

Self Study Report (SSR)



Submitted To
NATIONAL ASSESSMENT & ACCREDITATION COUNCIL (NAAC)

P.O.Box No.1075, Nagarbhavi, Bengaluru - 560072, Karnataka.



EAST WEST INSTITUTE OF TECHNOLOGY

#63, Off Magadi Road, Bengaluru - 560091

Website: www.ewitedu.in Email: principal@ewit.edu

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SUBRAMANYA EDUCATION SOCIETY (R.)
EAST WEST INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belgaum, Approved by AICTE,
New Delhi & Recognized by Govt. of Karnataka)

63, Off. Magadi Road, Vishwaneedam Post, Bangalore - 560 091.
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ISO 9001-2000
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Ref. No. EWIT/NAAC/2015-16/142

16-06-2016

To,

The Director

National Assessment and Accreditation Council

P.O. Box. No. 1075, Nagarbhavi,

Bangalore - 560072

Sub: Application for Accreditation of East West Institute of Technology, Bangalore - 560091
(Track ID:)

Ref: e-mail dated..... regarding LOI acceptance of East West Institute of Technology.

Thank you for accepting our LOI (Track ID :.....). This is for your kind information that, we have uploaded the Self Study Report (SSR) for NAAC accreditation in our institutional website www.ewit.edu on

As per guidelines, we will subsequently send five (5) hard copies of SSR to your office by the Indian Speed Post.

Please acknowledge the mail to assure us about the recipient of the letter.

We are attaching the DD (DD No.....) with this covering letter.

In this regard, I request you to please let us know further action to be taken from our side and also possible date of visit of your team of assessment.

Thanking You


Yours Faithfully
Dr. K. Channakeshavalu
Principal
Principal & Director
East West Institute of Technology
Bangalore-560 091



Executive Summary

Late Shri. C M NAGARAJ great social worker, Teacher, Educationist, Philanthropist established Subramanya Educational Society in 1968 with a vision of giving education to all. First initiative was Saraswathi Vidhyanikethan with 27 students in Malleshwaram with Kannada medium. He was elected as Mayor of Bangalore in 2002 when his sons Shri. C N Ravikiran and Shri. C N Shashikiran took initiatives to fulfill their father's dream and now the society has 06 institutions with 5860 students studying.

The institution being affiliated to Visvesvaraya Technological University (VTU) does not have enough autonomy to change and revise the curriculum on day-to-day basis. Institution is striving to attain learning outcomes through bridge courses, enrichment programmes, guest lectures, organizing seminars, workshops, conferences, internship programmes etc . The institution regularly initiates various actions to integrate the cross cutting issues such as gender, climate change, environmental education, social responsibility, human rights, etc., All these initiatives are output of rigours feedback from stakeholders.

The institution follows admission process as prescribed by the Directorate of Technical Education (DTE) Karnataka, whereas, the publicity for admission to management quota is done by the institution through various modes. The admission under management quota is reviewed and approved by DTE. Institution follows 360 degree grooming of students from day one by analyzing their profile, which emphasizes, on their strengths and weakness. Basic requirements of differently abled students are met where as special needs if any are taken care on priority. All faculty members are motivated, encouraged and exposed to modern technologies and faculties for teaching. Apart from various initiatives taken by faculty for innovative teaching, two initiatives 'Test Me' and Digitalization of Departmental Libraries plays a major role to augment teaching learning process. Institution strives to maintain better student teacher ratio and cadre ratio as per the requirements of the regulatory bodies by recruiting qualified faculty. Institution has stated policies for recharging of teachers and encouraging, motivating them to attend workshops, seminars, conferences, training programs etc,. More than 70% of faculty has utilized this facility for the last three years. Learning is made more student-centric by incorporating modern teaching methods, which paves scientific temper in the students' fraternity. Institution being affiliated does not have a say on evaluation system, all the reforms of University evaluation system are communicated to the students.

Whereas internal evaluation data is maintained, monitored and communicated through ERP. The institute has religiously adopted graduate attributes prescribed by National Board of



Accreditation and the departments have stated their learning outcomes.

Institution focus has always been for research which is recognized by state government by allowing us to run 8 Ph.D programs without getting permanent affiliation and autonomous status. 15 faculty members are recognized as Ph.D guides / supervisors. Apart from these, institution has 08 research centers recognized by affiliating university and grants more than 50 lakh rupees has been received from government agencies for establishment of these centers which has resulted in 767 publications, 15 books and 08 book chapters. In the last four years 09 projects have been sanctioned to faculty and students amounting to Rs. 82,15,000/-. Institution has 73 formal and informal MOUs which enhance/facilitates on curriculum development, internship, research, consultancy, placements etc,. Consultancy is at nascent stage, revenue generated is 17 lakhs. Institution religiously adopts all national and state promoted schemes for extension activities in the area along with active participation of students/staff in NSS.

The Institution is located in the pollution free green campus. The institution is spread over 20 acres with a total built up area of 41,191 sq.m institute abides the regulatory norms. The institution has good infrastructure facilities and is regularly upgraded as per the requirements. Institute has sufficient number of class rooms with LCD projectors, digital teaching aids, highly equipped laboratories, library with reading rooms, canteen, health center, transport facility, auditorium, ample parking place, separate hostels for girls and boys with generator facility, internet with Wi-Fi connection. Potable drinking water facility is provided in all the buildings. Institution has demarcated separate space for counseling, IQAC, placement, health center, canteen, sports complex having all latest equipments with auditorium etc,. Institute is having well equipped libraries (Separate for UG and PG) which cater to all needs of the students, faculty and researchers. Library has sufficient number of titles, volumes and journal as per regulatory norms. All the departmental libraries are digitalized with in house software. Maintenance of labs and infrastructure are taken care by in-house or outsourced according to the requirement. Institution strives to support the students by giving and assisting them to procure scholarships from government and private bodies. The institution has a mentoring/counseling system to guide students on personal/professional areas. Fast learners and slow learners are identified and accordingly trained and exposed to co-curricular and extracurricular activities at different levels.

Mandatory committees are in position with student participation as members and are known to students for their day to day grievances. Institution has established Victory Cricket Club



which is recognized by Karnataka State Cricket Association (KSCA). Doctor visits to the campus on a regular basis whereas a qualified full time nurse is available. Students are placed in reputed companies around the globe. 86% of the students are placed with average salary of Rs 3.2 lakh per annum. Alumni association has been registered and the alumnus actively participate in the development of institution.

The institution has proper documented governance structure with delegation of power up to faculty level. The institution has taken several welfare measures both for teaching and non-teaching staff such as employees provident fund, study leave, maternity leave, subsidized transport facility, etc. The faculty members are encouraged to take sabbatical leave and seed money. The institution encourages and supports involvement of the staff in improving the effectiveness and efficiency of the institutional processes. The institute has in place performance appraisal system for the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal. The institute has established IQAC to build and ensure a quality culture and to meet the diverse needs of the stake holders.

The institution has been meticulously involved in maintaining a green campus which assists in increasing an eco-balanced environment. The institution has adopted various modern methods of teaching within and beyond class room which have created a positive impact on the functioning of the institute such as image processing using simulations and live models, PID control using interactive sessions, animations of protocols in computer networking etc. In order to accomplish the institutional quality improvement, the institute has developed in-house built in software “Digital Departmental Library” for the easy access to retrieve information of the library, where a student can utilize the software for the creation, storage, retrieval and management bibliographic records and/or indexes. Using this software, the record format can be maintained in the database wherein it provides for authority to control author, subject headings etc.

The institute is constantly using MOODLE software to conduct “**TEST ME**” an Online Aptitude Test. The students can develop aptitude and technical skills to enhance analytical potentials and IQ while facing interviews and at the same time to provide a right podium to sense the presence of mind to solve the given problem within a stipulated time frame.



1. Profile of the Affiliated College

1. Name and Address of the College

Name	East West Institute of Technology
Address	#63, Off Magadi Road, BEL Layout, Vishwaneedam Post,
City	Bangalore -560091
State	Karnataka
Website	www.ewit.edu

2. For Communication

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. K Channakeshavalu	080-23288899	9482514447	23288244	principal@ewit.edu
Vice Principal	NA				
Steering Committee Coordinator	Dr. Nagaswarupa H P	080-23288899	9945406900	23288244	nagaswarupahp@ewit.edu

3. Status of the Institution

Affiliated College	✓
Constituent College	
Any other (specify)	

4. Type of the Institution

a. By Gender

For Men	
For Women	
Co- Education	✓

b. By Shift

Regular	✓
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Day	
Evening	

5. It is a recognized minority Institution.

Yes	
No	✓

6. Sources of funding

Government	
Grant-in-aid	
Self-financing	✓
Any other	

7. a. Date of establishment of the college: 06/07/2001

b. University to which the college is affiliated: Visvesvaraya Technological University (VTU),

c. Details of UGC recognition

Under Section	DD/MM/YY	Remarks
2(f)	-	Applied
12(B)	-	Applied

d. Details of recognition/approval by statutory/regulatory bodies other than UGC

Under Section/ clause	Recognition/ Approval details	DD/MM/YY	Validity	Remarks
-	AICTE, New Delhi F.No.South-West /1-2811889235/ 2016/ EOA	05/04/2016	For the Academic Year 2016-17	-



8. Does the Affiliating University Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?

Yes	✓
-----	---

No	
----	--

If yes, has the College applied for availing the autonomous status?

Yes	
-----	--

No	✓
----	---

9. Is the college recognized

a. By UGC as a College with Potential for Excellence (CPE)?

Yes	
-----	--

No	✓
----	---

b. For its performance by any other governmental agency?

Yes	
-----	--

No	✓
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10. Location of the campus and area in sq.mts

Location	Urban
Campus area in sq. mts.	80937.1
Built up area in sq. mts.	41191.4

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the Institute has an agreement with other Agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

a. Auditorium / Seminar Complex with Infrastructural facilities

Auditorium: 300 seating Capacity

b. Sports facilities

Play ground	✓
Swimming pool	



Gymnasium	✓
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c. Hostel

❖ **Boys Hostel**

- i. Number of Hostels: 01
- ii. Number of Inmates: 349
- iii. Facilities: Gym, Reading Room, Consulting Doctor, Internet facility, Indoor games, modernized kitchen, Filtered drinking water, Solar water heater.

❖ **Girls Hostel**

- a. Number of Hostels: 02
- b. Number of Inmates: 125
- c. Facilities: Gym, Reading Room, Consulting Doctor, Internet facility, Indoor games, Modernized kitchen, Filtered drinking water, Solar water heater

d. Residential facilities for teaching and non-teaching staff: No

e. Cafeteria: Yes

f. Health Center: Yes

g. Health Center Staff

Qualified Doctor	Full Time	Part Time	✓
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Qualified Nurse	Full Time	Part Time	✓
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h. Facilities like Banking, Post Office, Book shops

- ❖ Nationalized bank (Canara Bank) with ATM facility available in the campus.
- ❖ Stationery and photocopy shop is available inside the campus.
- ❖ Post office is 1.7 km from the campus.

i. Transport facilities to cater the needs of students and staff: 12 Buses, 02 Cars, 02 Vans

j. Animal house : NA



k. **Biological waste disposal:** NA

l. **Generator or other facility for management / regulation of electricity and**

Voltage: Two generators are available, with capacity of 125 KVA each

m. **Solid waste Management facility:** NA

n. **Waste Water Management facility:** Yes

o. **Water harvesting facility:** Yes

12. Details of programmes offered by the College

Sl. No.	Programme Level	Name of the Programme/ Course	Year of Starting	Duration (Years)	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted for 2015-16
1	Under Graduate (B.E)	Electronics and Communication Engineering	2001	04	PUC / (10+2) with 45% marks in PCM / through CET / COMED-K/ Management test	English	180	160
		Computer Science and Engineering	2001	04		English	180	180
		Information Science and Engineering	2001	04		English	120	120
		Mechanical Engineering	2002	04		English	180	172
		Civil Engineering	2008	04		English	180	168
		Electrical and Electronics Engineering	2011	04		English	60	60



Sl. No.	Programme Level	Name of the Programme/ Course	Year of Starting	Duration (Years)	Entry Qualification	Medium of instruction	Sanctioned/ approved Student strength	No. of students admitted for 2015-16
2	Post Graduate (M.Tech)	Digital Electronics	2007	02	B.E in relevant branch with 50% marks through PG CET / GATE / Management test	English	36	10
		Computer Science and Engineering	2007	02		English	24	08
		Computer Network Engineering	2011	02		English	18	03
		Information Technology	2014	02		English	18	02
		Machine Design	2007	02		English	18	15
		Thermal Power Engineering	2014	02		English	18	00
		Structural Engineering	2010	02		English	18	18
		Geotechnical Engineering	2010	02		English	18	18
		Post Graduate	Master of Computer Applications (MCA)	2008		03	Degree with 50% marks with Maths as compulsory subject through PG CET / Management	English
	Master of Business Administration (MBA)		2004	02	Any Degree with 50% marks through PG CET / KMAT/ Management	English	120	60



Sl. No.	Programme Level	Name of the Programme/ Course	Year of Starting	Duration* (Years)	Entry Qualification	No. of students registered for 2015-16
3	Ph.D / M.Sc Engg., by Research	Electronics and Communication Engineering	2011	3/4	60% marks in respective domain through VTU Entrance Test	--
		Computer Science and Engineering	2012	3/4		02
		Mechanical Engineering	2011	3/4		02
		Civil Engineering	2012	3/4		02
		Master of Business Administration	2012	3/4		--
		Physics	2012	3/4		01
		Chemistry	2011	3/4		01
		Mathematics	2012	3/4		--

*Minimum duration for full time Ph.D = 3 years, part time Ph.D = 4 years

13. Does the college offer self-financed Programmes?

Yes	✓	No	
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If Yes, How many?: All the programmes

14. New Programmes introduced in the College during the last five years?

Yes	✓	No		Numbers	04
-----	---	----	--	---------	----

15. List the departments



Faculty	Departments	UG	PG	Research
Science	Basic Science and Humanities	--	--	✓
Arts	-			
Commerce	-			
Any Other (Engineering and Technology, Management, MCA)	Electronics and Communication Engineering	✓	✓	✓
	Computer Science and Engineering	✓	✓	✓
	Information Science and Engineering	✓	--	--
	Mechanical Engineering	✓	✓	✓
	Civil Engineering	✓	✓	✓
	Electrical and Electronics Engineering	✓	--	--
	MBA	--	✓	✓
	MCA	--	✓	--

16. Number of programmes offered under

A	Annual System	--
B	Semester System	16
C	Trimester System	--

17. Number of Programmes with

a	Choice Based Credit System	All UG Programmes (06) (First year only in transition phase for subsequent years)
b	Inter/Multidisciplinary Approach	--
c	Any other (Semester Based System)	10

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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19. Does the college offer UG or PG programme in Physical Education?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-Teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		M	F	M	F
	M	F	M	F	M	F				
Sanctioned by the UGC / University / State Government Recruit	--	--	--	--	--	--	--	--	--	--
Yet to recruit	--	--	--	--	--	--	--	--	--	--
Sanctioned by the Management/ society or other authorized bodies (AICTE)	26	02	24	21	89	115	55	14	38	15
Yet to recruit	0	0	0	0	0	0	0	0	0	0

21. Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
Ph.D	26	2	--	--	--	--	28
M.Phil	--	--	--	2	1	3	6
PG	--	--	24	19	88	112	243
Temporary teachers							
Ph.D	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
Part Time							
Ph.D	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--



22. Number of Visiting Faculty /Guest Faculty engaged with the College.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Ph.D	06	--	--	--	--	--	06
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	04	--	04

23. Furnish the number of the students admitted to the college during the last four academic years

Categories	2015-16		2014-15		2013-14		2012-13	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	31	18	32	19	16	25	36	12
ST	11	04	20	9	9	2	4	0
OBC (MBC and BC)	331	227	299	104	205	124	142	74
General	176	84	283	160	192	158	230	102
Others	--	--	--	--	--	--	--	--

24. Details on students enrollment in the college during the current academic year

Type of students	UG	PG	Ph.D	Total
Students from the same state where the college is located	795	134	11	940
Students from other states of India	78	04	00	82
NRI students	00	00	00	00
Foreign students	01	00	00	01
Total	874	138	11	1023

25. Dropout rate in UG and PG (average of the last two batches)

UG	4%
----	----

PG	2%
----	----

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)



- a. Including the salary component: 1.52 lakhs
- b. Excluding the salary component: 0.83 lakhs

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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28. Provide Teacher-student ratio for each of the programme/course offered

Sl. No.	Programme	Ratio
1	BE in Electronics and Communication Engineering	1:15
2	BE in Computer Science and Engineering	1:15
3	BE in Information Science and Engineering	1:15
4	BE in Mechanical Engineering	1:15
5	BE in Civil Engineering	1:15
6	BE in Electrical and Electronics Engineering	1:15
7	M.Tech in Digital Electronics	1:12
8	M.Tech in Computer Science and Engineering	1:12
9	M.Tech in Computer Network Engineering	1:12
10	M.Tech in Information Technology	1:12
11	M.Tech in Machine Design	1:12
12	M.Tech in Thermal Power Engineering	1:12
13	M.Tech in Structural Engineering	1:12
14	M.Tech in Geotechnical Engineering	1:12
15	Master of Computer Applications	1:15
16	Master of Business Administration	1:15

- 29. Is the college applying for Accreditation: Cycle 1**
- 30. Date of accreditation : NA**
- 31. Number of working days during the last academic year: 188**
- 32. Number of teaching days during the last academic year: 177**
- 33. Date of establishment of Internal Quality Assurance Cell (IQAC): 25/01/2016**
- 34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC: NA**
- 35. Any other relevant data (not covered above) the college would like to include.
(Do not include explanatory/descriptive information)**



CRITERION I

CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the Vision, Mission and Objectives of the institution and describe how it is communicated to the students, teachers, staffs and other stakeholders.

Vision

- ❖ To achieve academic excellence on par with global standards

Mission

- ❖ To impart balanced high quality technical education that nurtures the spirit of inquiry.
- ❖ To foster technological innovation
- ❖ To give a fillip to all round personality development.
- ❖ To implant ethical and social commitment that grooms the students to become responsible citizens.

Quality Policy

- ❖ To inculcate the values of DISCIPLINE, DEDICATION and DUTY and inspire the young students to imbibe them scrupulously
- ❖ To standardize and document every activity as per stipulated quality policy
- ❖ To pave way for sustainable knowledge based education to replace the ubiquitous
- ❖ Examination oriented education
- ❖ To develop compassion to fellow citizens

Objectives

- ❖ To enhance capacity development in the institute
- ❖ Attaining excellence in teaching – facilities & methodologies
- ❖ Improving competency of staff and student
- ❖ Enhancing institution industry collaboration
- ❖ Strengthening academic reforms in the institution
- ❖ To nurture the holistic development of students community
- ❖ To impart quality oriented teaching pedagogies in enriching young minds.



Vision, Mission and Objectives of the institution are communicated through the following activities of the college.

- ❖ Displayed at main entrance of the institution, administrative cabins, office rooms, and at all prominent places in the campus such as the departments, library, hostel buildings, etc
- ❖ Hosted in the website: <http://www.ewit.edu>
- ❖ Conveyed during various students/faculty orientation/induction programs
- ❖ Printed in rules & regulations books, syllabus book, brochures

1.1.2 How does the Institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

The institution develops and practices extensive action plan for effective implementation of the curriculum through the following:

- ❖ Institute prepares its semester calendar in alignment with the university calendar of events.
- ❖ During departmental meetings, HODs discuss the choice of subjects and allocate the subject to the faculty based on their expertise and experience.
- ❖ Based on subject allocation, time table is prepared.
- ❖ Individual faculty members decide on the subject-wise assignments in consultation with the HOD and are communicated to the students.
- ❖ HODs conduct the faculty meeting to review syllabus completion.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and / or institution) for effectively translating the curriculum and improving teaching practices?

The institute discusses the entire VTU curriculum to facilitate the faculty members to understand the requirements of the curriculum. Further the institute extends the following support activities.

- ❖ The institute encourages the faculty members to participate in orientation / refresher courses / workshops / seminars organized by the affiliating university to update the knowledge and to improve the teaching practices.
- ❖ The institute organizes at least one FDP programme in a year to expose the faculty members on updated knowledge and teaching learning process.



1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

✚ Effective Curriculum delivery

The institution ensures effective curriculum delivery and facilitates the development of higher order cognitive skills such as critical analysis, problem-solving and evaluation by:

- ❖ Guest lectures, seminars, industrial visits and training programmes to supplement the curricular inputs.
- ❖ Readiness of the laboratory as per the requirements of the curriculum is ensured.

✚ Effective Curriculum Transaction

- ❖ The Head of the departments of the institute do collect the feedback of each subject including the electives from the faculty members and students of the institute and the same is being submitted to principal office.
- ❖ These feedbacks are submitted back to the university at the time of framing/reframing of the syllabus at the university level.

1.1.5 How does the institution network and interact with beneficiaries such as industry, Research bodies and the University in effective operationalization of the curriculum?

The institute continuously interacts with various stakeholders through Industry Institute Interaction Cell. Professors and Associate professors take lead in interacting with industry, Research bodies and university for effective operationalization of the curriculum. Training and placement cell also plays a major role in providing leads to respective departments.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

The institution collects regular feedback from all its stakeholders including the students, parents, faculty members and recruiters. Faculty members have contributed towards the curriculum development extensively. The suggestions proposed are analyzed and the recommendations are communicated to the affiliating university at the Board of Studies meetings. The HOD consults with their faculty members and the students regarding desired changes in the curriculum and represents the same to the university. The following faculty members are in the panel of Board of Examination.



Sl. No.	Name of the Faculty	University	Designated as
1	Dr. K Channakeshavalu	VTU, Belagavi	BOE-Mechanical Engineering
2	Dr. Ramesh B R	VTU, Belagavi	BOE-Civil Engineering
3	Dr. Arun Biradar	VTU, Belagavi	BOE-Computer Science & Engineering
4	Dr. Maruthi B H	VTU, Belagavi	BOE-Mechanical Engineering
5	Dr. Nagaswarupa H P	VTU, Belagavi	BOE-Composite Board of Chemistry
6	Dr. Prashanth S C	VTU, Belagavi	BOE-Composite Board of Physics

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating University) by it? If ‘yes’, give details on the process (‘Needs Assessment’, design, development and planning) and the courses for which the curriculum has been developed.

-NA-

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

- ❖ To achieve this, various class tests, preparatory exams are conducted to monitor the outcomes of the syllabus.
- ❖ Based on the result analysis and regular feedback from all the stake holders such as the employer, alumni, parents and students to assess the extent to which the program objectives are met.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/ diploma/skill Development courses etc., offered by the institution.

-NA-

1.2.2 Does the institution offer programmes that facilitate twinning/ dual degree? If ‘yes’, give details.

-NO-

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond



- Range of Core / Elective options offered by the university and those opted by the college and Choice Based Credit System and range of subject options

2015 CBCS Scheme for First Year

I SEMESTER (ALL BRANCHES)

❖ **PHYSICS GROUP**

SEMESTER	CORE OFFERED BY UNIVERSITY
I SEM	Engineering Maths-II 15MAT11
I SEM	Engineering Physics 15PHY12
I SEM	Elements of Civil Engg. & Engineering Mechanics 15EME13
I SEM	Elements of Mechanical Engg. 15EME14
I SEM	Basic Electrical Engg. 15ELE15
I SEM	Constitution Of India & Professional Ethics 15CIP18

❖ **CHEMISTRY GROUP**

SEMESTER	CORE OFFERED BY UNIVERSITY
I SEM	Engineering Maths-II 15MAT11
I SEM	Engineering Chemistry 15CHE12
I SEM	Computer concept & C Programming 15CCP13
I SEM	Computer Aided Engineering Drawing 15CED14
I SEM	Basic Electronics. 15ELE15
I SEM	Environmental Studies 15CIV18

II SEMESTER (ALL BRANCHES)

❖ **PHYSICS GROUP**

SEMESTER	CORE OFFERED BY UNIVERSITY
IISEM	Engineering Maths-II 15MAT21
IISEM	Engineering Physics 15PHY22
IISEM	Elements of Civil Engg. & Engineering Mechanics 15EME23
IISEM	Elements of Mechanical Engg. 15EME24
IISEM	Basic Electrical Engg. 15ELE25
II SEM	Constitution Of India & Professional Eithics 15CIP28

❖ **CHEMISTRY GROUP**



SEMESTER	CORE OFFERED BY UNIVERSITY
II SEM	Engineering Maths-II 15MAT21
II SEM	Engineering Chemistry 15CHE22
II SEM	Computer concept & C Programming 15CCP23
II SEM	Computer Aided Engineering Drawing 15CED24
II SEM	Basic Electronics. 15ELE25
II SEM	Environmental Studies 15CIV28

- **ELECTRONICS & COMMUNICATION ENGINEERING**

Core offered by the University	
Engineering Maths-III 10MAT31	Analog Communication 10EC53
Analog Electronic Circuits 10ES32	Microwaves and RADAR 10EC54
Logic Design 10ES33	Information theory and Coding 10EC55
Network Analysis 10ES34	Fundamentals of CMOS 10EC56
Electronics Instrumentation 10IT35	Digital Communication 10EC61
Field theory 10ES36	Microprocessors 10EC62
Engineering Maths-IV 10MAT41	Micro electronics circuits 10EC63
Microcontrollers 10ES42	Antennas and Propagation 10EC64
Control Systems 10ES43	Operating Systems 10EC65
Signals and Systems 10EC44	Computer Communication Networks 10EC71
Fundamentals of HDL 10EC45	Optical Fiber Communication 10EC72
Linear and IC's and Applications 10EC46	Power Electronics 10EC73
Management and Entrepreneurship 10AL51	Embedded System Design 10EC74
Digital Signals and Processing 10EC52	Wireless Communication 10EC81
	Digital Switching Systems 10EC82

Electives offered by the University	
Analog and mixed mode VLSI Design 10EC661	Real Time Systems 10EC762
Satellite Communication 10EC662	Image Processing 10EC763
Random Process 10EC663	Radio Frequency Integrated Circuits



	10EC764
Low Power VLSI Design 10EC664	Wavelet Transforms 10EC765
Data Structures using C++ 10EC665	Modeling and Simulation of Data Networks 10EC766
Digital systems design using Verilog 10EC666	Distributed Systems 10EC831
Virtual Instrumentation 10EC667	Network Security 10EC832
DSP Algorithms & Architecture 10EC751	Optical Networks 10EC833
Micro and Smart Systems Technology 10EC752	High Performance Computing Networks 10EC834
Artificial Neural Networks 10EC753	Internet Engineering 10EC835
CAD for VLSI 10EC754	Multimedia Communication 10EC841
Applied Embedded System Design 10EC755	Real Time Operating Systems 10EC821
Speech Processing 10EC756	GSM 10EC843
Programming in C++ 10EC761	Ad-hoc Wireless Networks 10EC844
	Optical Computing 10EC845

• COMPUTER SCIENCE & ENGINEERING

Core offered by the University	
Engineering Mathematics - III 10MAT31	Database Management Systems 10CS54
Electronic Circuits 10CS32	Computer Networks – I 10CS55
Logic Design 10CS33	Formal Languages and Automata Theory 10CS56
Discrete Mathematical Structures 10CS34	Management and Entrepreneurship 10AL61
Data Structures with C 10CS35	Unix Systems Programming 10CS62
Object Oriented Programming with C++ 10CS36	Compiler Design 10CS63
Engineering Mathematics – IV 10MAT41	Computer Networks – II 10CS64
Graph Theory and Combinatorics	Computer Graphics and Visualization



10CS42	10CS65
Design and Analysis of Algorithms 10CS43	Object-Oriented Modeling and Design 10CS71
Unix and Shell Programming 10CS44	Embedded Computing Systems 10CS72
Microprocessors 10CS45	Programming the Web 10CS73
Computer Organization 10CS46	Advanced Computer Architectures 10CS74
Software Engineering 10IS51	Software Architectures 10CS81
Systems Software 10CS52	System Modeling and Simulation 10CS82
Operating Systems 10CS53	

Electives offered by the University	
Operations Research 10CS661/10IS661	Artificial Intelligence 10CS764/10IS764
Signals and Systems 10CS662	Storage Area Networks 10CS765/10IS765
Data Compression 10CS663/10IS663	Fuzzy Logic 10CS766/10IS766
Pattern Recognition 10CS664/10IS664	Wireless Networks and Mobile Computing 10CS831/10IS831
Stochastic Models and Applications 10CS665	Web 2.0 and Rich Internet Applications 10CS832/10IS832
Programming Languages 10CS666/10IS666	VLSI Design and Algorithms 10CS833
Advanced DBMS 10CS751/10IS751	Network Management Systems 10CS834/10IS834
Digital Signal Processing 10CS752	Information and Network Security 10CS835/10IS835
Java and J2EE 10CS753/10IS753	Microcontroller-Based Systems 10CS836/10IS836
Multimedia Computing 10CS754/10IS754	Ad-hoc Networks 10CS841/10IS841
Data Warehousing and Data Mining 10CS755/10IS755	Software Testing 10CS842
Neural Networks 10CS756/10IS756	ARM Based System Design 10CS843
C# Programming and .Net 10CS761/10IS761	Services Oriented Architecture 10CS844/10IS844



Digital Image Processing 10CS762/10IS762	Clouds, Grids and Clusters 10CS845/10IS845
Game Theory 10CS763/10IS763	Multi-core Architecture and Programming 10CS846

• INFORMATION SCIENCE & ENGINEERING

Core offered by the University	
Electronic Circuits 10CS32	Database Management Systems 10CS54
Logic Design 10CS33	Computer Networks – I 10CS55
Discrete Mathematical Structures 10CS34	Formal Languages and Automata Theory 10CS56
Data Structures with C 10CS35	Management and Entrepreneurship 10AL61
Object Oriented Programming with C++ 10CS36	Unix Systems Programming 10CS62
Engineering Mathematics – IV 10MAT41	File Structures 10IS63
Graph Theory and Combinatorics 10CS42	Computer Networks – II 10CS64
Design and Analysis of Algorithms 10CS43	Software Testing 10IS65
Unix and Shell Programming 10CS44	Object Oriented Modeling and Design 10CS71
Microprocessors 10CS45	Information Systems 10IS72
Computer Organization 10CS46	Programming the Web 10CS73
Software Engineering 10IS51	Data Warehousing and Data Mining 10IS74/10CS755
Systems Software 10CS52	Software Architectures 10IS81
Operating Systems 10CS53	System Modeling and Simulation 10CS82

Electives offered by the University	
Operations Research 10IS661/10CS66	Wireless Networks and Mobile Computing 10IS831/10CS831
Compiler Design 10IS662/10CS63	Web 2.0 and Rich Internet Applications 10IS832/10CS832



10IS663/10CS663 Data Compression	User Interface Design10IS833
Pattern Recognition 10IS664/10CS664	Network Management Systems 10IS834/10CS834
Computer Graphics and Visualization 10IS665/10CS65	Information and Network Security 10IS835/10CS835
Programming Languages10IS666/10CS666	Microcontroller-Based Systems 10IS836/10CS836
Advanced DBMS 10IS751/10CS751	Ad-hoc Networks 10IS841/10CS841
Embedded Computing Systems 10IS752/10CS72	Information Retrieval 10IS842
Neural Networks 10IS756/10CS756	Supply Chain Management 10IS843
C# Programming and .Net 10IS761/10CS761	Services Oriented Architecture 10IS844/10CS844
Digital Image Processing 10IS762/10CS762	Clouds, Grids and Clusters 10IS845/10CS845
Game Theory 10IS763/10CS763	Decision Support Systems10IS846
Artificial Intelligence 10IS764/10CS764	

• CIVIL ENGINEERING

Core offered by the University	
Engineering Mathematics III-10MAT31	Geotechnical Engineering-I 10CV54
Building Materials and Construction Technology 10CV32	Hydrology & Irrigation Engineering 10CV55
Strength of Materials 10CV33	Transportation Engineering-I 10CV56
Surveying-I 10CV34	Environmental Engineering I- 10CV61
Fluid Mechanics 10CV35	Design & Drawing of RC Structures 10CV62
Applied Engineering Geology 10CV36	Transportation Engineering-II 10CV63
Engineering Mathematics-IV 10MAT41	Geotechnical Engineering-II 10CV64
Concrete Technology 10CV42	Hydraulic Structures and Irrigation Design-Drawing 10CV65
Structural Analysis-I 10CV43	Environment Engineering-II 10CV71
Surveying-II 10CV44	Design of Steel Structures 10CV72



Hydraulics and Hydraulic Machines 10CV45	Estimation and Valuation 10CV73
Building Planning & Drawing 10CV46	Design of Pre Stressed Concrete Structures 10CV74
Management & Entrepreneurship-10AL51	Advanced Concrete Technology 10CV81
Design of RCC Structural elements-10CV52	Design & Drawing of Steel Structures 10CV82
Structural analysis-II -10CV53	

Electives offered by the University	
Theory of Elasticity 10CV661	Photogrammetry & Remote Sensing 10CV764
Alternative Building Materials and Technologies 10CV662	Air Pollution and Control 10CV765
Ground Improvement Techniques 10CV663	Design & Drawing of Bridges 10CV766
Advanced Surveying 10CV664	Structural Dynamics 10CV767
Ground Water Hydrology 10CV665	Advanced Pre-Stressed Concrete Structures 10CV831
Rural Water Supply and Sanitation 10CV666	Advanced Foundation Design 10Cv832
Traffic Engineering 10CV667	Pavement Design 10CV833
Matrix Method of Structural Analysis 10CV751	Earthquake Resistant Design of Structures 10CV834
Advanced Design of RC Structures 10CV 752	Industrial Waste Water Treatment 10CV835
Design of Masonry Structures 10CV753	Construction Management & Engineering Economics 10CV836
Earth and Earth Retaining Structures 10CV754	Finite Element Analysis 10CV841
Highway Geometric Design 10CV755	Reinforced Earth Structures 10CV842
Open Channel Hydraulics 10CV756	Urban Transportation Planning 10CV843
Solid Waste Management 10CV757	Geographic Information System 10CV844
Numerical methods in Civil Engg 10CV761	Advanced Design of Steel Structures



	10CV845
Rock Mechanics 10CV762	Water Resources Engineering 10CV846
Pavement Materials & Construction 10CV763	Environmental Impact Assessment 10CV847

• MECHANICAL ENGINEERING

Core offered by the University	
Engineering Mathematics-III 10MAT31	Energy Engineering 10ME53
Material Sc. & Metallurgy/Mechanical Measurements & Metrology 10ME32A / 10ME32B	Dynamics of Machines 10ME54
Basic Thermodynamics 10ME33	Manufacturing Process III 10ME55
Mechanics of Materials 10ME34	Turbo Machines 10ME56
Manufacturing Process I 10ME35	Computer Integrated Manufacturing 10ME61
Computer Aided Machine Drawing / Fluid Mechanics 10ME36A / 10ME36B	Design of Machine Elements II 10ME62
Engineering Mathematics-IV 10MAT41	Heat & Mass Transfer 10ME63
Material Sc. & Metallurgy / Mechanical Measurements & Metrology 10ME42A / 10ME42B	Finite Elements Methods 10ME64
Applied Thermodynamics 10ME43	Mechatronics& Microprocessors 10ME65
Kinematics of Machines 10ME44	Economics 10ME71
Manufacturing Process II 10ME45	Mechanical Vibration 10ME72
Computer Aided Machine Drawing/ Fluid Mechanics 10ME46A/10ME46B	Hydraulics and Vibrations 10ME73
Management & Entrepreneurship-10AL51	Operations Research 10ME74
Design of Machine Elements I 10ME52	Operations Management 10ME81
	Control Engineering 10ME82

Electives offered by the University	
Theory of Elasticity 10ME661	Agile Manufacturing 10ME765



Refrigeration & Air Conditioning 10ME663	Robotics 10ME766
Mechanics of Composite Materials 10ME664	Finance Management 10ME767
Non-Traditional Machining 10ME665	Micro & Smart System Technology 10ME768
Project Management 10ME667	Product Life Cycle Management 10ME769
Mechanics of Composite Materials 10ME662	Tribology 10ME831
Design of Heat Exchangers 10ME664	Fracture Mechanics 10ME832
Knowledge Management 10ME666	Power Plant Engineering 10ME833
Statistical Quality Control 10ME668	Nanotechnology 10ME834
Mechanism Design 10ME751	Organizational Behaviour and Professional Communication 10ME835
Theory of Elasticity 10ME752	Computer Graphics 10ME836
Engineering Design 10ME753	Foundry Technology 10ME838
Non Conventional Energy Sources 10ME754	Machine Tool Design 10ME841
Gas Dynamics 10ME755	Industrial Engineering & Ergonomics 10ME842
Management Information System 10ME756	Bio Mass Energy Systems 10ME843
Automation in Management 10ME758	Automotive Engineering 10ME844
Experimental Stress Analysis 10ME761	Database Management Systems 10ME845
Tool Design 10ME762	Artificial Intelligence 10ME846
Cryogenics 10ME763	Design of Experiments 10ME847
Smart Materials 10ME764	Design for Manufacture & Assembly 10ME848

- **ELECTRICAL & ELECTRONICS ENGINEERING**

Core offered by the University	
Engineering Maths-III 10MAT31	Transmission and distribution 10EE53
Analog Electronic Circuits 10ES32	D.C Machines and synchronous machines



	10EE54
Logic Design 10ES33	Modern Control theory 10EE55
Network Analysis 10ES34	Linear ICs and applications 10EE56
Electrical and Electronics Measurements and Instrumentation 10EE35	Power systems Analysis and stability 10EE61
Electric power generation 10EE36	Switchgear & protection 10EE62
Engineering Maths-IV 10MAT41	Electrical machine design 10EE63
Microcontrollers 10ES42	Digital signal processing 10EE64
Control Systems 10ES43	Computer aided Electrical drawing 10EE65
Field theory 10EE44	Computer techniques in Power systems Analysis 10EE71
Power Electronics 10EE45	Electrical power utilization 10EE72
Transformers and induction machines 10EE46	High voltage Engineering 10EE73
Microcontrollers lab 10ESL47	Industrial drives and application 10EE74
Power Electronics lab 10EEL48	Electrical design ,estimating and costing 10EE81
Management and Entrepreneurship 10AL51	power System operation and control 10EE82
Signals and systems 10EE52	

Electives offered by the University	
Operation research 10EE661	Micro and smart systems 10EE765
Advanced power Electronic 10EE662	Electromagnetic Compatibility 10EE766
Fuzzy logic 10EE663	Reactive Power management 10EE831
Object Oriented Programming using C++ 10EE664	Flexible A.C Transmission Systems(FACTS) 10EE832
Embedded system 10EE665	Advanced Instrumentation Systems 10EE833
Electrical engineering materials 10EE666	AI Applications to the power systems 10EE834
HVDC Transmission 10EE751	Database management systems(DBMS) 10EE835



Programmable Logic Controller 10EE752	Renewable energy sources 10EE836
Artificial Neural Networks 10EE753	Power systems Dynamic and stability 10EE841
Operating System 10EE754	Energy auditing and demand side management 10EE842
Digital system design with VHDL technology 10EE755	Data communication and networking 10EE843
Testing and commissioning of Electrical Equipment 10EE756	Electrical distribution systems 10EE844
Power systems planning 10EE761	Insulation Engineering 10EE845
Computer control of electrical drives 10EE762	Intellectual Property rights 10EE846
Data structures 10EE763	Electrical power quality 10EE847
VLSI Circuits and design 10EE764	

- **MASTER OF BUSINESS ADMINISTRATION**

Core offered by the University	
Management & Organisational Behaviour 14MBA11	Human Resource Management 14MBA21
Economics for Managers 14MBA12	Financial Management 14MBA22
Accounting for Managers 14MBA13	Research Methods 14MBA23
Business Government and Society 14MBA14	Business Analytics 14MBA24
Marketing Management 14MBA15	Strategic Management 14MBA25
Managerial Communication 14MBA16	Entrepreneurial Development 14MBA26

Electives offered by the University	
Consumer Behaviour 14MBA MM301	
Retail Management 14MBA MM302	Integrated Marketing Communication 14MBA MM408
Marketing Research 14MBA MM303	E-Marketing 14MBA MM409
Service Marketing 14MBA MM304	Strategic Brand Management 14MBA MM410



Business Marketing 14MBA MM305	Rural Marketing 14MBA MM411
Supply Chain Management 14MBA MM306	International Marketing Management 14MBA MM412
Principles & Practice of Banking 14MBA FM301	Business Valuation Analysis 14MBA FM407
Financial Services 14MBA FM302	Risk Management and Insurance 14MBA FM408
Cost Management 14MBA FM303	Tax Management 14MBA FM409
Advanced Financial Management 14MBA FM304	International Financial Management 14MBA FM410
Investment Management 14MBA FM305	Financial Derivatives 14MBA FM411
Strategic Credit Management 14MBA FM306	Strategic Financial Management 14MBA FM412
Industrial Relations & Legislations 14MBA HR301	Public relations 14MBA HR407
Recruitment & Selection 14MBA HR302	Workplace Ethics 14MBA HR408
Compensation & Benefits 14MBA HR303	International Human Resource Management 14MBA HR409
Learning & Development 14MBA HR304	Organisation Change and Development 14MBA HR410
Knowledge Management 14MBA HR305	Strategic Talent Management 14MBA HR411
Conflict & Negotiation Management 14MBA HR306	Personal Growth & Interpersonal Effectiveness 14MBA HR412

- **MASTER OF COMPUTER APPLICATIONS**

Core offered by the University	
Problem Solving using C 13MCA11	Computer Networks 13MCA31
Discrete Mathematics and Graph Theory 13MCA12	Programming using Java 13MCA32
Digital Electronics and Computer Organization 13MCA13	Software Engineering 13MCA33
Introduction to Unix 13MCA14	Computer Graphics with Open GL



	13MCA34
Introduction to Web Technologies 13MCA15	Analysis and Design of Algorithms 13MCA41
Data Structures 13MCA21	Advanced Java Programming 13MCA42
Object Oriented Programming using C++ 13MCA22	Advanced Web Programming 13MCA43
Operating Systems 13MCA23	System Simulation and Modeling 13MCA52
System software 13MCA24	Programming using C#.NET 13MCA53
Database Management Systems 13MCA25	

Electives offered by the University	
UNIX system Programming 13MCA351	Software Architectures 13MCA454
Advanced Topics in DBMS 13MCA352	Enterprise Resource Planning (ERP) 13MCA454
Management Information Systems 13MCA353	Mobile and Adhoc Sensor Networks 13MCA541
Operations Research 13MCA354	Parallel Computing 13MCA542
Principles of User Interface Design 13MCA355	Multimedia systems 13MCA543
Systems Programming 13MCA356	Pattern Recognition 13MCA544
Advanced Computer Networks 13MCA441	Services Oriented Architecture 13MCA545
Data Warehousing and Data Mining 13MCA442	Compiler Design 13MCA546
Mobile Computing and Wireless Communications 13MCA443	Cloud Computing 13MCA551
Software Testing and Practices 13MCA444	Web2.0 and Rich Internet Applications 13MCA552
Theory of Computation (FAFL) 13MCA445	Information Retrieval and Search Engines 13MCA553
Cryptography and Network Security 13MCA451	Fuzzy Logic 13MCA554



Network Management 13MCA452	Computer System Performance Analysis 13MCA555
NOSQL 13MCA453	Building Enterprise Applications 13MCA556

- **COMPUTER NETWORK ENGINEERING**

Core offered by the University	
Wireless Adhoc Networks 14SCN11	Distributed Computing 14SCN22
Advanced in Computer Networks 14SCN12	Network Management 14SCN23
Information and Network Security 14SCN13	Switching & Statistical Multiplexing In Telecommunications 14SCN24
Advanced in Storage Area Networks 14SCN14	Client Server Programming 14SCN41
Multimedia Communications 14SCN21	

Electives offered by the University	
Advanced Algorithms 14SCN151	Advances in VLSI Design & Algorithm 14SCN254
Computer Systems Performance Analysis 14SCN152	Client-Server Programming 14SCN41
Multi Core Architecture and Programming 14SCN153	Analysis of Computer Networks 14SCN421
Soft Computing 14SCN154	Service Oriented Architecture 14SCN422
Cloud Computing 14SCN251	Mobile Application Development 14SCN423
Wireless Sensor Networks 14SCN252	Cybercrime and Digital Forensic 14SCN424
Optical networks 14SCN253	

- **DIGITAL ELECTRONICS**



Core offered by the University	
Advanced Mathematics 14ELD11	Coding Theory 14ELD22
Digital VLSI Design 14EVE12	Digital Signal Compression 14ELD23
Advanced Embedded Systems 14EVE13	Real Time Operating Systems 14ELD24
Digital Circuits and Logic Design 14ELD14	Advanced Computer Architecture 14ELD41
Modern DSP14ELD21	

Electives offered by the University	
Digital System Design using Verilog 14ELD151	MEMS 14 ELD 253
Automotive Electronics 14 ELD152	Multimedia Communication 14ECS254
NanoElectronics 14ELD153	Spread Spectrum Communication 14ECS255
ASIC Design 14EVE154	Advances in VLSI Design 14EVE 421
Simulation, Modeling and Analysis 14ELD155	Image and Video Processing 14ELD422
VLSI Design and Verification 14ELD 251	RF and Microwave Circuit Design 14ECS423
Synthesis & Optimization of Digital Circuits 14ELD252	Cryptographic Systems 14ELD 424
	Advanced Microcontrollers 14ELD425

- **MACHINE DESIGN**

Core offered by the University	
Applied Mathematics 14 MDE11	Advanced Machine Design 14MDE 22
Finite Element Method 14 MDE12	Dynamics & Mechanism Design 14MDE23
Continuum Mechanics 14 MDE13	Advanced Theory of Vibration 14MDE24
Experimental Mechanics 14CAE14	Tribology and Bearing Design14MDE41
Composite Materials Technology 14MST 21	

Electives offered by the University



Computer Graphics 14MDE 151	Rotor Dynamics 14MDE254
Computer Applications in Design 14MDE152	Automobile System Design 14MEA255
Mechatronics System Design 14MDE153	Fracture Mechanics 14CAE 421
Design for Manufacture 14MDE154	Smart Materials & Structures 14MST422
Advanced Fluid Dynamics 14MEA155	Robust Design 14MDE 423
Design Optimization 14CAE 251	Finite Element Methods for Heat Transfer and Fluid Flow Analysis 14CAE 424
Theory of Plasticity 14MDE252	Computational Fluid Dynamics 14MEA425
Advanced Manufacturing Process Simulation 14CAE 253	

• STRUCTURAL ENGINEERING

Core offered by the University	
Computational Structural Mechanics 14CSE11	Earthquake Resistant Structures 14CSE22
Advanced Design of RCC Structures 14CSE 12	Finite Element Method of Analysis 14 CSE 23
Mechanics of Deformable Bodies 14 CSE13	Design concepts of Substructures 14CSE 24
Structural Dynamics 14 CSE14	Stability of Structures 14CSE41
Design of Plates & Shells 14CSE21	

Electives offered by the University	
14 CSE 151 Design of Industrial Structures	Design of Tall Structures 14 CSE 252
Special concretes 14 CSE152	Masonry structures 14CSE 253
Repair and Rehabilitation of Structures 14 CSE 153	Composite and Smart materials 14 CSE421
AI & Expert System in Structural Engineering 14CSE154	Optimization of Structures 14 CSE422
14 CSE 251 Reliability Analysis of	Design of concrete bridges 14 CSE423



Structures	
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- GEOTECHNICAL ENGINEERING**

Core offered by the University	
Theory of Elasticity and Plasticity 14CGT11	Soil Dynamics 14 CGT 22
Site Investigation and Improvement Techniques 14CGT 12	Reinforced soil structures 14 CGT 23
Design of Shallow foundations 14 CGT 13	Design of deep foundations 14 CGT 24 14 CGT 25X
Advanced Soil Mechanics 14 CGT 14	Earth and Rockfill Dams 14CGT41
Finite element analysis and its Applications in Geotechnical Engineering 14CGT21	

Electives offered by the University	
Critical state soil mechanics 14 CGT 151	Foundations in Difficult ground 14 CGT 421
Pavement design and Management 14 CGT 152	Expansive soil Engineering 14 CGT 422
Advance design of Foundations 14 CGT 153	Remote sensing And Applications of GIS in Civil Engineering 14 CGT 423
Case histories in Geotechnical Engineering 14 CGT 154	Image and Video Processing 14 ELD 422
Rock Mechanics 14 CGT 251	RF and Microwave Circuit Design 14 ECS 423
Environmental Geotechnical Engineering 14 CGT 252	Cryptographic Systems 14 ELD 424
Pavement mechanics 14 CGT 253	Advanced Microcontrollers 14 ELD 425

- THERMAL POWER ENGINEERING**



Core offered by the University	
Applied Mathematics 14MDE11	Steam & Gas Turbines 14MTP 22
Finite Element Method 14MTP12	Advanced Power Plant Cycles 14MTP 23
Advanced Fluid Mechanics 14MTP13	Theory of IC Engines 14MTP 24
Thermodynamics & Combustion Engineering 14MTP14	Design of Heat Transfer Equipments for Thermal Power Plant 14MTP41
Advanced Heat Transfer 14MTP 21	
Electives offered by the University	
Non Conventional Energy System 14MTP 151	Engine Flow & Combustion 14MTP422
Nuclear Energy Conversion 14MTP 152	Design & Analysis of Thermal Systems 14MTP423
Energy Conservation and Management 14 MTP 153	Experimental Methods in Thermal Power Engineering 14MTP 424
Refrigeration and Air Conditioning 14MTP 154	Optimisation of Structures 14 CSE 422
Convective Heat and Mass Transfer 14MTP421	Design of concrete bridges 14 CSE 423

• INFORMATION TECHNOLOGY

Core offered by the University	
Enterprise Application Programming 14SIT11	Web Services 14SIT21
Data Compression 14SIT12	Cloud Computing 14SIT22
Advances in Database Management Systems 14SIT13	Mobile Application Development 14SIT22
Information storage Management 14SIT14	Agile Technologies 14SIT24
	Mangaing Big Data 14SIT41

Electives offered by the University	
Client Server Programming 14SIT151	Data Mining & Data Warehousing 14SIT253
Advances in Operating Systems 14SIT152	Bio-Informatics 14SIT254
Service Oriented Architecture 14SIT153	Business Intelligence and its Applications 14SIT421



Distributed Computing 14SIT154	Advances in Computer Graphics 14SIT422
Cyber Crime and Digital Forensic 14SIT251	WEB ENGINEERING 14SIT423
Multimedia Communication 14SIT252	Machine Learning Techniques 14SIT424

- **COMPUTER SCIENCE & ENGINEERING**

Core offered by the University	
Advances in Operating Systems 14SCS11	Managing Big Data 14SCS21
Cloud Computing 14SCS12	Advances in Computer Networks 14SCS22
Advances in Data Base Management System 14SCS13	Advanced Algorithms 14SCS23
Multi Core Architecture and Programming 14SCS14	Artificial Intelligence and Agent Technology 14SCS24
	Machine Learning Techniques 14SCS41

Electives offered by the University	
Advances in Digital Image Processing 14SCS151	Pattern Recognition 14SCS253
Advances in Storage Area Networks 14SCS152	Optical Networks 14SCS254
Embedded Computing Systems 14SCS153	Computer Vision 14SCS421
Advances in Computer Graphics 14SCS154	Business Intelligence and its Applications 14SCS422
Web Services 14SCS251	Agile Technologies 14SCS423
Information and Network Security 14SCS252	Wireless Network and Mobile Computing 14SCS424

- **Courses offered in modular form**

-NA.-

- **Credit transfer and accumulation facility**

-NA.-

- **Lateral and vertical mobility within and across programmes and courses**

Lateral entry is applicable at second year for engineering programs & MCA program. The



diploma students are directly admitted to third semester under lateral entry scheme.

- **Enrichment courses**

- **Department of Computer Science & Engineering**

SI #	Name of Programme	Date	Resource Person	Participants
1	Guest lecture on “Artificial Intelligence & Agent Technology”	May 16 th 2016	Prof.G.T.,Raju, Hod ,Dept of CSE,RNSIT,BLORE	30
2	One day Hands –On session on”Microprocessor & Its Applications”	April 7 th 2016.	Prof. Srinivas Shetty, Assoc Prof, Department of ISE, DBIT, Bangalore-91.	180
3	GUEST LECTURE ON “Data Structures & its Applications”	On 19 th Oct 2015	Chief guest & Main Speaker Prof. Padma Reddy, HOD, SAVIT,Blore	200
4	Workshop on NS2 & its Applications	On 2 nd & 3 rd Nov 2015	Speakers: 1..Prof Chandan Raj,Asst Prof,EWTI,Blore Presides :Dr.Arun Biradar ,HOD ,Dept of CSE	200
5	Workshop On “C# and .NET Concepts”.	On 4 th & 5 th NOV 2015	Speaker:Mr.Ramprasad,10seconds,blore	200
6	Internet of Things IOT BOOT CAMP	Nov 18 th -19 th 2015.	Dr. H. Jamadagani Professor & Chairman CEDT, IISc., Bangalore	150
7	Guest Lecture on “Computer Networks”	May 12 th 2015.	Prof.T.G.Basavaraj, Prof & Head,SKSIT,Ramanagar.	30
8	Guest lecture on “Artificial Intelligence &Agent Technology”	May 7 th , 2015	Prof.G.T.,Raju,Hod ,Dept of CSE,RNSIT,BLORE	30
9	Guest Lecture on “Research methodologies & its organization”	May 11 th 2015	Dr.Ravindra.C. Chairman BOS, SGGS IT,Nanded, Marathwada university Guest of Honours: 1.Mr.Narendra,Chief Project	300



			Manager,Siemens technology,Bangalore-91 2.Dr. Vijaya.R. T,Prof,Dept of IT, SGG SIT,Nanded,Marathwada university	
10	National Conference on Advances in Computer Science and Engg.2015 & Sri .C.M.Nagaraj Memorial Lecture	April 28 th -29 th 2015	Chief guest:Dr.P.Nagabhushan Chief Nodal Officer,Mysore university	250
11	Workshop on “SKILL DEVELOPMENT PROGRAM.”	On 25 th , 26 th March 2015.	Chief Guest: Dr.L.S.Nandeesh,Advisor,SJRC Institutions. Speakers: Mr.Ramprasad,10seconds,blore Mr.Anijit shetty,10 seconds,blore	250
12	Workshop on “NS2 & its Applications”	6 th -7 th Nov 2014	Speakers: 1.Prof. Mohammed .M.Khurrum,Asst Prof,GCOE,Ramanagar 2.Prof. Chandan Raj,Asst Prof,EWTI,Blore	300
13	Workshop on DYNAMIC WEB DEVELOPMENT	on 17 th & 20 th Oct 2014	Speaker:Mr.Kiran,#define,Bangalore	180
14	Seminar of “Programming Techniques “	OCT 19 TH 2014	Chief guest and speaker: Padma Reddy ,Prof and HOD,Dept of CSE,EWIT Blore	300
15	Guest Lecture “Industry focused skill”	April 30 th 2014	Chief guest:Mr.Pallab Bandopadyay, former CEO,CISCO Technologies,Blore	300
16	ISTE Faculty Convention	7 th -8 th Dec 2013	Dr. H. P. Kincha Former Vice-Chancellor VTU, Belgaum Dr. N. R. Shetty Former President ISTE, New Delhi	300
17	Seminar On “C# and .NET Technology”.	12 th -13 th NOV 2013	Speaker:Mr.RamPrasad,JVS Technologies,Blore.	120
18	Workshop on WEB	Nov 11 th	Speaker:Mr.Kiran,#define,Bangalore	150



	TECHNOLOGY	12 th 2013.		
19	Guest Lecture on “Research passion”	May 8 th 2013	Dr. U. Sinha,distinguished scientist, NAL ,Bangalore	250
20	National seminar on ”Emerging trends in Computer science & Engineering”	Oct 10 th 2012	1.DR. K. CHIDANANDA GOWDA Former VC,Kuvempu University 2.DR.SHIVANAND HANDIGUND HOD,PG R &D Co-coordinator, Bangalore Institute of Technology, Blore	350

Summary of CSE ends**✚ Department of Electronics & Communication Engineering**

Sl. No.	Name of the workshop / Seminars / Conference / Guest Lectures	Date	Place	Participants
1	IETE students forum inauguration	21 March 2015	Dr D C Pande, Prof H S Bhatia.	75
2	Speech Signal Processing	8 th August 2015	Dr. Uday Kumar	66
3	FDP on Ethics in Teaching	12 March 2014	Dr.Gururaj Karajagi	90
4	Power Semiconductor devices-manufacturing practices and applications	22 Feb 2012		80

Summary of E&C ends**✚ Department of Information Science & Engineering**

Sl no	Name of Programme	Date	Resource Person	Participan ts
1	Workshop on Web Development & Android Application, Dept Android App	28/09/2015 &29/09/2015	Mr. Kiran, Manager, Inventure Tech. Ltd	90
2	Technical Seminar on “An eye on ur career”	26/08/2015	Mr John Kurian, Business development Manager NIIT Ltd	79
3	Seminar on Youth	26/08/2015	Mr. Prashanth Yag ,	112



	Development		Speaker, I3 Ltd.,	
4	2 days workshop on Android development	28/02/15 & 01/03/2015	Mr. Kiran, Executive Director, Hash Define Ltd	110
5	Talk on Competitive examination preparation	05/02/2015	MrSajith Kumar Manager, Manhattan Review	95
6	LaTex Workshop	26/10/2014	Dr. C M Patil Prof, Dept of CSE, VVCE Mysore	98
7	Workshop on Dynamic Web Development	12/09/2014	Mr. Kiran, Project Manager, Disciples India Ltd	102
8	Seminar on careers in IT	19/08/2014	Ms. Madhushree Asst Manager, NIIT	97
9	Technical Seminar on Image Processing	13/08/2014	Dr. C M Patil Prof, Dept of CSE, VVCE Mysore	38
10	Seminar on Networking	11/08/2014	Mr. Amith Kumar, Network Engineer, NIIT	80
11	Seminar on Adhoc networks for Project Development	14/03/2013	Mr. Murali Reddy Asst Prof, Dept of ISE, SJBIT	92
12	Seminar on Web Technologies	28/09/2012	Mr. Kiran, Project Manager, Disciples India Ltd.	95
13	Technical Seminar on Java Technologies	26/08/2012	Umesh Chandra Java Core Developer, NIIT.	92

Summary of ISE ends**Department of Civil Engineering**

Sl no	Name of Programme	Date	Resource Person	Participants
1	B Build Mat 2015	27 th March, 2015	Dr. R Nagendra, Chairman, ICI,Civil Aid, Bangalore	657
2	Engineer's day Celebration	15 th September, 2015	Dr.SureshNagesh, Chair Professor, Dept. of Mechanical Engg., PES University	167
3	Site Visit to T.K Halli	May 2014	-	118



4	World Water Day	22 nd March, 2014	Shivakumar J Nayamati, Associate Professor, UVCE Bangalore Prasad G, Chief Engineer, Water Resource Department, GOK	137
5	Engineer's day Celebration	15 th September, 2014	Sri. B G Mallya, Chief Engineer, Bangalore Metro Rail Corporation	170
6	Guest Lecture	20 April 2014	Dr. Usha N Murthy	116
7	Guest Lecture on "How earthquake affects Architectural features of a building"	9 March 2013	Dr. Sunil M, Principal engineer, M/S Mott Macdonald India Pvt. Ltd.	76
8	Engineer's day Celebration	15 th September 2013	Dr. N. Govindaraju HOD, Mechanical dept, Sir MVIT	170
9	Lecture on Next Generation Concrete	11 September 2012	Dr. V. Ramachandra, Vice President (Tech) South Ultra Tech Cement Ltd., Bangalore	97
10	Engineer's day	15 September 2012	Dr. Lakshmikanth, Asst. Environmental Officer, Karnataka State Pollution Control Board, Mangalore	112
11	Guest lecture on "Air Pollution"	10 October 2012	Dr. V. Krishnamurthy, Prof. & Head, Biotechnology, PESIT.	86
12	Guest lecture on "Properties and Classification of Soil"	10 October 2012	Dr. K V N Rao, Director, Atria Institute of Technology	166

Summary of Civil ends

**Department of Mechanical Engineering**

SI #	Name of Programme	Date	Resource Person	Participants
1	Seminar on Geometrical Dimensions and Tolerances	18 th October 2014	Mr. PrasannaKiran, Asst. Manager, Product development, BOSCH limited	120
2	Guest lecture on Design of Machine Elements	19 th September 2014	Dr. T. Krishna Rao , Principal, Alpha College Of Engineering	120
3	Seminar on Automotive Transmission	19 th March 2014	Satish K U, Senior Architect, RBEI	120
4	Workshop on Automobile Basics and Systems	2 nd and 3 rd April 2014	Vivekananda Pathak, Autonext, Pune	120
5	Guest lecture	10 th October 2013	Dr. T. Krishna Rao, Principal SRSIT, Bangalore	120
6	Training Programme	10 th & 11 th Feb 2012	Dr Kumar, Kshipra Simulations	60
7	National Conference on Development and Opportunities in Civil Engineering, Applied Sciences and Mechanical Engineering (DOCAM-2012)	18 th & 19 th May 2012	Dr. N. Rudraiah, INSA Sr. Scientist, Bangalore University Former Vice chancellor, Bangalore 560001	60

Summary of ME ends**Department of Electrical & Electronics Engineering**

SI no	Name of Programme	Date	Resource Person	Participants
1	Project Tour to “ Varahi Hydro plant and Udupi power corporation”	27 th to 31 st Jan 2016	Mr. Krishnamurthy	42



2	Project Trip to Kaiga nuclear power plant and Varahi Hydro plant	20 th -22 nd Feb 2016	Mr. Krishnamurthy, Varahi power project Mr. NagarajMukari, KAIGA power plant	42
3	Seminar on “Opportunities for higher education abroad”	4/3/2015	Mr. Sridhar A	34
4	Seminar on “ Microcontroller and robotics”	3/8/2015	Mr. Prashanth Agarwal(MAX Embedded.com)	59
5	Industrial Visit to “FOREMAN TRAINING INSTITUTE, Peenya”	17/8/2015	Mr. Ganapathy, Deputy Director , FTI	52
6	Seminar on “ PLC and it’s applications”	14/9/2015	Mr. Nagaraj.S. Rao, SOURISH Automation	48
7	Two day Workshop on “PLC and it’s applications”	30/9/2015 to 1/10/ 2015	Mr. Nagaraj.S. Rao, SOURISH Automation	48
8	Seminar on GATE aspiration	12/08/2014	Mr. Bishnukanth Thakur, GATE FORUM	95
9	Industrial visit to Borukha power plant	18/03/2014	Mr. Ranganath B K(BPCL)	54

Summary of E&E ends**Department of MCA**

Slno	Name of Programme	Date	Resource person	Participants
1	Data Mining (Seminar)	02/04/2016	Mr Sudarshan Sr.S/w.Engg Mindset IT Pvt ltd	33
2	Automation Testing	2/11/2015	Mr. Prashanth K. S Sr. Validation Test Engg Quintiles Pvt ltd	53
3	Network Simulation	6/10/2015	Ms Bhagya Soft Engg Attrra Infotech Pvt Ltd	53
4	Seminar of Research Methodologies	6/8/2015	Dr.Vijaykumar Assoc.Prof Dept. MCA BMSCE	23
5	Cloud Computing	20/10/2015	Prof.Vishwanath RNS IT	27
6	Computer Networks (Seminar)	13/5/2015	Mr. Basavaraj Mathapati Project Manager ErevMax Pvt Ltd	46



7	DotNet	13/04/2015	Prof.Madhu h.k BIT Bangalore	27
8	“Inter integration Application using Android” (Workshop)	13/03/2013	Mr. Prakash k IONESIS Solution	63
9	OOAD using UML and IBM Rational software architecture (Workshop)	3/08/2011- 6/08/2011-	Mr. Yogesh Crane Pvt Ltd(IBM)	70

Summary of MCA ends**Department of MBA**

Sl no	Name of Programme	Date	Resource Person	Participants
1	Faculty Development Program	25/2/2016	Dr.S. John Manohar Dr.Manohran	43
2	Workshop on “Financial Education for Young Investors” Jopintly Organized by SEBI & Dept, of MBA	29/09/2015	Mr. Prakash Rao Jothady Financial Education Trainer	36
3	Inauguration & Orientation Day for MBA 2015-16 Batch Students	07/10/2015	Prof., Jayasimha, HR Trainer	57
4	Seminar on “Recent Trends in Banking”	9/10/215	Mr. Prakash Patel Sr. Manager, HRM, SVC Bank Ltd.,	45
5	Entrepreneurs Day 2015	19/10/2015		55
6	Workshop on Stock Market	23/02/2015	Mr. Kishore Stock Market Institute	52
7	Business Quiz	27/02/2015	EWIT	44
8	Industrial visit	17/4/2015	EWIT	36
9	MBA Graduation Day (2013-15 Batch) & Alumni Meet	23/05/2015	Dr. Suresh Gowda, Advocate & Youth Leader Dr. Venkatesh Babu, Principal, BGS IMS	44
10	Industrial visit	09/09/2014	EWIT	56
11	Inaugural & Orientation Programme of First Semester	14/10/2014	Dr. R L Nandeshwar Director, Management	33



	PG Classes for 2014-15 Batch (M.Tech, MCA, MBA)		Studies, OCBM, Bangalore. Prof. N Ramesh Incharge EDII, Bangalore.	
12	Inaugural & Orientation programme of first semester PG classes for 2013-14 batch	27/01/2014	Dr. Kumar K Manager, Infosys Technologies Ltd., Dr. Nandeesh V. Hiremath Professor & Dean, (IBMR-IBS)	55
13	Guest Lecture on “Opportunities for MBA Students”	10/02/2014	Dr. Nandeesh V. Hiremath, Prof. & Dean, (IBMR-IBS)	47
14	Workshop on “Mind * your Mind.”	15/02/2014	Prof., Jayasimha, HR Trainer	57
15	MBA ALUMNI MEET 2014	08/03/2014	Dr. Nandeesh V. Hiremath, Prof. & Dean, (IBMR-IBS)	55
16	One day Workshop on “Communication Assessment”	29/03/14	Prof. Vidyaprasad, Communication Expert	47
17	EDI 30 hrs Certificate programme From Entrepreneurship Development Institute of India (EDII)	13/02/2014	Prof. Ramesh, EDII, Bangalore	42

Department of Basic Science & Humanities

Sl no	Name of Programme	Date	Resource Person	Participants
1	Soft processing (Low-Energy production) of advanced inorganic materials for sustainable society	26/04/D2016	Dr. Masahiro Yoshimura	112
2	Sustainable agriculture through Plant Endophytes and metal oxide nanoparticles	06/01/2016	Dr. Vivek Babu,	103
3	Hydromagnetic Squeeze Films between porous rectangular plates with couplestress fluids	06/01/2016	Dr. Sayda Tasneem Fathima	110



4	Battery and their applications to sustainable energy.	27/03/2015	Dr. L.S. Nandeesh,	118
5	Luminescence of nanomaterials synthesized via different chemical routes	28/03/2015	Dr. H. Nagabhushana,	108
6	Magneto-Hydrodynamic squeeze film characteristics between two porous Annular discs-A Couplestress Fluid Model	28/03/2015	Dr. Hanuma Gowda	113
7	Green chemistry for environmental purification	29/03/2014	Dr. Dinesh Rangappa,	115
8	Combustion synthesis of inorganic materials and their applications	29/03/2014	Dr. B.M. Nagabhushana,	106
9	Switching equivalence in symmetric n-sigraphs-IV	29/03/2014	Dr. P. Siva Kota Reddy	104
10	Awareness on drugs, alcohol and their problems	15/09/2013	Dr. Shreys,	117
11	Advances in the theory of semirings	15/09/2013	Dr. G. Shobhalatha	115
12	Rational metric dimension of graphs	28/04/2012	Dr. B. Soorya Narayana	108
13	Stokes flow of micropolar fluid past a solid sphere	28/04/2012	Dr. D.V. Chandrashekhar	118

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

-NO-

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.



Yes, the Institute provides additional skill oriented programmes on latest Technologies soft skills, communication skills etc.

Department of Computer Science & Engineering

Sl. No	Date	Number of Days	Programme	Objectives achieved	Trainer
1	30/7/2015	1 Day	Seminar On Dream Jobs & Internships	Placement Support	US DELEGATES (SKILL GALORE)
2	14/8/2015 to 16/8/2015 to 21/8/2015 to 23/8/2015	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH
3	24/8/2015 to 25/8/2015	2 Days	Training For Eligible Students Of 2016 Batch	Placement Support	IBM
4	11/9/2015	1 Day	Campus Connect Roadshow & Technical Seminar on "Overview of BigData and HADOOP technologies"	Placement Support	BY CAMPUS CONNECT TEAM FROM INFOSYS-MR. ANOOP SINGH & MRS. SAHANA KUMARSWAMY
5	14/15/16 & 21/22/23 Sept-15	6 Days	Placement Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.
6	24,25,26/ - Sept- 2015	3 Days	Training on Aptitude	Placement Support	Skill Learning Solutions
7	30/07/2015	1 Day	Based on Interview selection and preparation for interview	Placement Support	SkillzGalore!
8	08/12/2015	1 Day	Based on JAVA Skills	Placement Support	SkillzGalore!
9	22-sep-14 to 1-Oct-14	9 Days	Training on Soft Skills, Aptitude & Verbal Ability	Communication Skills	SMART TRAINING RESOURCES PVT LTD.



10	6-Oct-14 to 11-Oct-14	6 Days	Technical Training related to Company specific	Placement Support	SMART TRAINING RESOURCES PVT LTD.
11	22-sep-14 to 1-Oct-14	9 Days	Training on Soft Skills, Aptitude & Verbal Ability	Communication Skills	SMART TRAINING RESOURCES PVT LTD.
12	6-Oct-14 to 11-Oct-14	6 Days	Technical Training related to Company specific	Placement Support	SMART TRAINING RESOURCES PVT LTD.
13	20/8/2014	1 Day	Technical Webinar on "Introduction to Hadoop"	To train students about advances in technology	Conducted by INFOSYS
14	8/10/2014 to 13/10/2014	6 Days	Quantitative Aptitude, Verbal Ability & Soft Skills	Communication Skills	QUANTECH
15	15/10/2014	1 Day	Aspirations 2020 Contest	Placement Support	Conducted by INFOSYS
16	10/5/2013	1 DAY	Campus Connect Roadshow	Placement Support	Conducted by INFOSYS(Mr. RiteshKumble)
17	14/ 9/2013	1 Day	Corporate Awareness Seminar	Personality Development	Ravi Kumar H (Lead Industrial Trainer) LagamannaBawoor(Project Lead-Motorola) ShivanandHiremeath (Senior HR Manager Tech Mahindra) Mohan Kumar K R (MD & CEO Ample Software Solutions)
18	7/9/2012 to 12/9/2012	6 Days	Soft Skills & Technical Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.

Summary of CSE ends**Department of Electronics & Communication Engineering**

SL NO	Date	Number of Days	Programme	Objectives achieved	Trainer
1	30/7/2015	1 Day	Seminar On Dream Jobs & Internships	Placement Support	US DELEGATES (SKILL GALORE)
2	12/8/2015	1 Day	One Day Technical Seminar On Java	Placement Support	QUANTECH



			Programming & C/C++ Programming Skills		
3	14/8/2015 to 16/8/2015 21/8/2015 to 23/8/2015	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH
4	24/8/2015 to 25/8/2015	2 Days	Training For Eligible Students Of 2016 Batch	Placement Support	IBM
5	11/9/2015	1 Day	Campus Connect Roadshow & Technical Seminar on "Overview of BigData and HADOOP technologies"	Placement Support	BY CAMPUS CONNECT TEAM FROM INFOSYS-MR. ANOOP SINGH & MRS. SAHANA KUMARSWAMY
6	15/10/2014	1 Day	Aspirations 2020 Contest	Placement Support	Conducted by INFOSYS
7	7/9/2012 to 12/9/2012	6 Days	Soft Skills & Technical Training	Communication Skills	SMART TRAINING RESOURCES PVT LTD.

Summary of ECE ends**Department of Information Science & Engineering**

S L N O	Date	Number of Days	Programme	Objectives achieved	Trainer
1	30/7/2015	1 Day	Seminar On Dream Jobs & Internships	Placement Support	US DELEGATES (SKILL GALORE)
2	12/8/2015	1 Day	One Day Technical Seminar On Java Programming & C/C++ Programming Skills	Placement Support	QUANTECH
3	14/8/2015 to 16/8/2015 21/8/2015 to	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH



	23/8/2015				
4	24/8/2015 to 25/8/2015	2 Days	Training For Eligible Students Of 2016 Batch	Placement Support	IBM
5	11/9/2015	1 Day	Campus Connect Roadshow & Technical Seminar on “Overview of BigData and HADOOP technologies”	Placement Support	BY CAMPUS CONNECT TEAM FROM INFOSYS-MR. ANOOP SINGH & MRS. SAHANA KUMARSWAMY
6	9/8/2014	1 Day	Seminar regarding “Recruitment Opportunity”	Placement Support	SAP LAB
7	21/8/2014	1 Day	Seminar regarding “Recruitment Opportunity”	Placement Support	RETAIL ON.NET
8	20/8/2014	1 Day	Technical Webinar on “Introduction to Hadoop”	To train students about advances in technology	Conducted by INFOSYS
9	8/10/2014 to 13/10/2014	6 Days	Quantitative Aptitude, Verbal Ability & Soft Skills	To train students about advances in technology	QUANTECH
10	15/10/2014	1 Day	Aspirations 2020 Contest	Placement Support	Conducted by INFOSYS
11	3/10/2013	1 Day	Aspirations 2020 Contest	Placement Support	Conducted by INFOSYS
12	5/10/2013 to 6/10/2013	2 Days	Programming Contest-Semicon 2013	To create competitive atmosphere	Conducted by PERSISTENT SYSTEMS PVT. LTD
13	10/5/2013	1 DAY	Campus Connect Roadshow	Placement Support	Conducted by INFOSYS(Mr. RiteshKumble)
14	14/ 9/2013	1 Day	Corporate Awareness Seminar	Personality Development	Ravi Kumar H (Lead Industrial Trainer) LagamannaBawoor(Project Lead-Motorola) ShivanandHiremeath (Senior HR Manager Tech Mahindra) Mohan Kumar K R (MD & CEO Ample



					Software Solutions)
15	7/9/2012 to 12/9/2012	6 Days	Soft Skills & Technical Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.

Summary of ISE ends

+ Department of Civil Engineering

SL NO	Date	Number of Days	Programme	Objectives achieved	Trainer
1	29 th February and 1 st March, 2016	2	Workshop on Cement and Concrete – An insight into a wonderful world	To train students about advances in technology	Sri. Vasudev Murthy, Founder and MD, Build BizzOnline Private Ltd., Bangalore
2	27 th & 28 th April 2012	2	National Workshop on Tunneling Mechanics and Underground Excavation	To train students about advances in technology	Sri.R.Sridhar, CEO & Director, APEX ENCON Pvt. Ltd.,
					Prof. T.G.Sitaram, Prof. of Civil Engineering, IISc and Chairman, KGC, Bangalore
					Ms.Raji, Research Scholar, Geotechnical Engg., IISc, Bangalore
					Sri.R Richardson, ASIR, Head of railway sector, Soma Enterprise Ltd., Bangalore
					Sri. C J Jagadeesha, Scientist, ISRO & Secretary, KERF
					Prof. M R



					Pranesh, Advisor, Emeritus, EWIT & Vice President, KERF
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Summary of CE ends**✚ Department of MBA**

Sl no	Date	Number of Days	Programme	Objectives achieved	Trainer
1	29/09/2015	01	Workshop on “Financial Education for Young Investors”	Awareness about the investment market	Mr. Prakash Rao Jothady Financial Education Trainer
2	9/10/215	01	Seminar on “Recent Trends in Banking”	Exposure to banking technologies	Mr. Prakash Patel Sr. Manager, HRM, SVC Bank Ltd.,
3	23/02/2015	01	Workshop on Stock Market	How to trade What to trade When to trade	Mr. Kishore Stock Market Institute
4	27/02/2015	01	Business Quiz	Better aptitude skills	EWIT
5	17/4/2015	01	Industrial visit	Exposure to the corporate world	EWIT
6	09/09/2014	01	Industrial visit	Exposure to the corporate world	EWIT
7	10/02/2014	01	Guest Lecture on “Opportunities for MBA Students”	Awareness about the opportunities available for MBA students	Dr. Nandeesh V. Hiremath, Prof. & Dean, (IBMR-IBS)
8	15/02/2014	01	Workshop on “Mind * your Mind.”	Sustain mental stability	Prof., Jayasimha, HR Trainer
9	29/03/14	01	One day Workshop on “Communication Assessment”	Improvement in communication skills	Prof. Vidyaprasad, Communication Expert
10	13/02/2014	10	EDI 30 hrs Certificate programme From Entrepreneurship Development Institute of India (EDII)	Imbibing the attitude of job provider	Prof. Ramesh, EDII, Bangalore

Summary of MBA ends

**✚ Department of MCA**

SL NO	Date	Number of Days	Programme	Objectives achieved	Trainer
1	23/10/2015	07DAYS	Placement training	Placement Support	QNANTEC TRANIEE'S
2	23/10/2014	07DAYS	Placement training	Placement Support	QNANTEC TRANIEE'S
3	23/10/2013	07DAYS	Placement training	Placement Support	QNANTEC TRANIEE'S
4	23/10/2012	07DAYS	Placement training	Placement Support	SMART TRANIEE'S

Summary of MCA ends**✚ Department of Mechanical Engineering**

SL NO	Date	Department	Number of Days	Programme	Objectives achieved	Trainer
1	14/8/2015 to 16/8/2015 21/8/2015 to 23/8/2015	EWIT(All Department Students)	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH
2	8/10/2014 to 13/10/2014	EWIT(All Department Students)	6 Days	Quantitative Aptitude, Verbal Ability & Soft Skills	To train students about advances in technology	QUANTECH
3	7/9/2012 to 12/9/2012	EWIT(All Department Students)	6 Days	Soft Skills & Technical Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.

Summary of ME ends**✚ Department of Electrical & Electronics Engineering**

SL NO	Date	Number of Days	Programme	Objectives achieved	Trainer
1	14/8/2015 to 16/8/2015 21/8/2015 to	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH



	23/8/2015				
2	8/10/2014 to 13/10/2014	6 Days	Quantitative Aptitude, Verbal Ability & Soft Skills	To train students about advances in technology	QUANTECH
3	7/9/2012 to 12/9/2012	6 Days	Soft Skills & Technical Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.

Summary of EEE ends

3. Does the University provide for the flexibility of combining the conventional face-to-face And Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students.

-NO-

1.3 Curriculum Enrichment

- 1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

Institute strives to supplement the university’s curriculum by interacting with industry experts on different platforms, organizing regular national conferences exposing students to latest technologies/Business practices through training programmes, workshops, seminars, guest lectures, other Co-curricular and extracurricular activities.

- 1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

 **Department of Computer Science & Engineering**

Sl No	NAME OF THE INDUSTRY	SCOPE OF MOU
1	CAMPUS CONNECT PROGRAMME, INFOSYS TECHNOLOGIES LIMITED, BANGALORE,	Focus on Industry practices to academics in teaching learning process
2	#10SECONDS, BANGALORE	To provide hands-on experience of various



		Programming Techniques
3	#RAYS TECHNOLOGY, VIJAYANAGAR BANGALORE	Emphasis on Research & Development Activities
4	LIVEWIRE	Value added training on Network Engineering (CCNA)- Routing & Switching, Course on NS2, Copurse on Network Security, Course on Virtualization
5	GLOBAL TECHNOLOGIES INC	Website Design & Applications
6	HASHDEFINE	Provide Training to Students on “Web Development”
7	INFOSYS LIMITED	Campus Connect Program for enriching the technical education process and enhancing quality of education imparted to students

Summary of CSE ends**✚ Department of Electronics & Communication Engineering**

SL NO	NAME OF THE INDUSTRY	SCOPE OF MOU
1	GLOBAL TECHNOLOGIES INC	Website Design & Applications
2	HASHDEFINE	Provide Training to Students on “Web Development”
3	INFOSYS LIMITED	Campus Connect Program for enriching the technical education process and enhancing quality of education imparted to students

Summary of ECE ends**✚ Department of Information Science & Engineering**

SL NO	NAME OF THE INDUSTRY	SCOPE OF MOU
1	LIVEWIRE	Value added training on Network Engineering (CCNA)- Routing & Switching, Course on NS2, Copurse on Network Security, Course on Virtualization
2	GLOBAL TECHNOLOGIES INC	Website Design & Applications
3	HASHDEFINE	Provide Training to Students on “Web Development”
4	INFOSYS LIMITED	Campus Connect Program for enriching the technical education process and enhancing quality of education imparted to students

Summary of ISE ends**✚ Department of Civil & Engineering**

SL NO	NAME OF THE INDUSTRY	SCOPE OF MOU
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1	SURYA CONCRETE PRODUCTS	Research and Development in Concrete Technology
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Summary of CE ends

✚ Department of Mechanical & Engineering

SL NO	NAME OF THE INDUSTRY	SCOPE OF MOU
1	GROWELL CNC SYSTEMS	Students are trained to use CNC machines

Summary of ME ends

✚ Department of MCA

SL NO	NAME OF THE INDUSTRY	SCOPE OF MOU
1	INFOSYS	Campus Connect Program for enriching the technical education process and enhancing quality of education imparted to students
2	GLOBAL TECHNOLOGIES INC	Website Design & Applications
3	DEFINE	Provide Training to Students on “Web Development”
4	INPRO LABS	Provide Training to Students on “Web Development”
5	FIRSTNAUKRI.COM	Focus on Industry practices to academics in teaching learning process
6	COCUBES TECHNOLOGIES PVT.LTD	To provide hands-on experience of various Programming Techniques
7	MONSTER	Provide Training to Students on “Web Development”

Summary of MCA ends

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc.,into the curriculum?

The institution has been regularly initiating various actions to integrate the cross cutting issues such as gender, climate change, environmental education, human rights, ICT etc.

- ❖ The institute gives equal preference for both the genders in all disciplines by accommodating male and female faculty and students in all the committees of the institution.



- ❖ Issues pertaining to climate are integrally taught in the classrooms. Environmental science is a compulsory paper prescribed by the university irrespective of the stream.
- ❖ Students are sensitized about the rights enshrined in the Constitution of India and are put into practice on campus. Students are constantly reminded that they should respect the rights of others in the same manner as they want their rights to be respected.
- ❖ ICT is an integral part of the curriculum prescribed by the affiliating university and is being adopted by the institution. The institute has sought to integrate ICT into curriculum delivery by initiating the process of creating an asynchronous learning network to support learning interactions outside the classroom and to encourage them to pick up ICT-skills.
- ❖ Some of the other measures taken by the institution are:
 - ❖ Provision of laptops to faculty members, internet, smart classrooms with LCDs.
 - ❖ Projectors for ICT application in teaching-learning endeavors.
 - ❖ Basic skills training in computer usage and application at the earliest stage of programmes.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

- ❖ **Moral and ethical values**
- ❖ **Employable and life skills**
- ❖ **Better career options**
- ❖ **Community orientation**

The institution has foreseen the need for value added curriculum delivery keeping in view the need for all-round development of the students.

In addition to the faculty efforts, services of eminent speakers are utilized to improve holistic development of students and faculty. The topics include moral and ethical values, employable and life skills, better career options, community orientation.

In addition to each programme an industry specified elective is introduced in final year. Seminar and mini-projects are introduced in present curriculum, in addition to main project.

❖ Moral and ethical values

The university has offered a subject on “**Constitution of India and Professional Ethics**” for engineering students to ensure holistic development and to inculcate the moral and ethical values of students.



❖ Employable and life skills

To enhance the employability skill which is required by the industry, the placement training is the part of the curriculum provided by the institution to its students. Institution conducts personality and communication skill development program as a part of regular placement training. The Institution also supports students to attend internship program provided by the industry.

🏠 Department of Computer Science & Engineering

Sl. No	Date	Number of Days	Programme	Objectives achieved	Trainer
1	30/7/2015	1 Day	Seminar On Dream Jobs & Internships	Placement Support	US DELEGATES (SKILL GALORE)
2	14/8/2015 to 16/8/2015 to 21/8/2015 to 23/8/2015	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH
3	24/8/2015 to 25/8/2015	2 Days	Training For Eligible Students Of 2016 Batch	Placement Support	IBM
4	11/9/2015	1 Day	Campus Connect Roadshow & Technical Seminar on Overview of BigData and HADOOP technologies	Placement Support	BY CAMPUS CONNECT TEAM FROM INFOSYS-MR. ANOOP SINGH & MRS. SAHANA KUMARSWAMY
5	14/15/16 & 21/22/23 Sept-15	6 Days	Placement Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.
6	24,25,26/ - Sept- 2015	3 Days	Training on Aptitude	Placement Support	Skill Learning Solutions
7	30/07/2015	1 Day	Based on Interview selection and preparation for interview	Placement Support	SkillzGalore!
8	08/12/2015	1 Day	Based on JAVA Skills	Placement Support	SkillzGalore!
9	22-sep-14 to 1-Oct-14	9 Days	Training on Soft Skills, Aptitude & Verbal Ability	Communication Skills	SMART TRAINING RESOURCES PVT LTD.



10	6-Oct-14 to 11-Oct-14	6 Days	Technical Training related to Company specific	Placement Support	SMART TRAINING RESOURCES PVT LTD.
11	22-sep-14 to 1-Oct-14	9 Days	Training on Soft Skills, Aptitude & Verbal Ability	Communication Skills	SMART TRAINING RESOURCES PVT LTD.
12	6-Oct-14 to 11-Oct-14	6 Days	Technical Training related to Company specific	Placement Support	SMART TRAINING RESOURCES PVT LTD.
13	20/8/2014	1 Day	Technical Webinar on "Introduction to Hadoop"	To train students about advances in technology	Conducted by INFOSYS
14	8/10/2014 to 13/10/2014	6 Days	Quantitative Aptitude, Verbal Ability & Soft Skills	Communication Skills	QUANTECH
15	15/10/2014	1 Day	Aspirations 2020 Contest	Placement Support	Conducted by INFOSYS
16	10/5/2013	1 DAY	Campus Connect Roadshow	Placement Support	Conducted by INFOSYS(Mr. RiteshKumble)
17	14/ 9/2013	1 Day	Corporate Awareness Seminar	Personality Development	Ravi Kumar H (Lead Industrial Trainer) LagamannaBawoor(Project Lead-Motorola) ShivanandHiremeath (Senior HR Manager Tech Mahindra) Mohan Kumar K R (MD & CEO Ample Software Solutions)
18	7/9/2012 to 12/9/2012	6 Days	Soft Skills & Technical Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.

Summary of CSE ends**✚ Department Of Electronics & Communication Engineering**

Sl. No.	Date	Department	Number of Days	Programme	Objectives achieved	Trainer
1	30/7/2015	ECE	1 Day	Seminar On Dream Jobs & Internships	Placement Support	US DELEGATES (SKILL



						GALORE)
2	12/82015	EWIT	1 Day	One Day Technical Seminar On Java Programming & C/C++ Programming Skills	Placement Support	QUANTECH
3	14/8/2015 to 16/8/2015 to 21/8/2015 to 23/8/2015	EWIT(All Department Students)	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH
4	24/8/2015 to 25/8/2015	EWIT	2 Days	Training For Eligible Students Of 2016 Batch	Placement Support	IBM
5	11/9/2015	EWIT	1 Day	Campus Connect Roadshow & Technical Seminar on "Overview of BigData and HADOOP technologies"	Placement Support	BY CAMPUS CONNECT TEAM FROM INFOSYS-M R. ANOOP SINGH & MRS. SAHANA KUMARSWAMY
6	15/10/2014	ECE	1 Day	Aspirations 2020 Contest	Placement Support	Conducted by INFOSYS
7	7/9/2012 to 12/9/2012	EWIT(All Department Students)	6 Days	Soft Skills & Technical Training	Communication Skills	SMART TRAINING RESOURCES PVT LTD.

Summary of ECE ends**✚ Department of Information Science & Engineering**

Sl. No.	Date	Number of Days	Programme	Objectives achieved	Trainer
1	30/7/2015	1 Day	Seminar On Dream Jobs & Internships	Placement Support	US DELEGATES (SKILL GALORE)
2	12/82015	1 Day	One Day Technical Seminar On Java Programming & C/C++ Programming Skills	Placement Support	QUANTECH



3	14/8/2015 to 16/8/2015 21/8/2015 to 23/8/2015	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH
4	24/8/2015 to 25/8/2015	2 Days	Training For Eligible Students Of 2016 Batch	Placement Support	IBM
5	11/9/2015	1 Day	Campus Connect Roadshow & Technical Seminar on “Overview of BigData and HADOOP technologies”	Placement Support	BY CAMPUS CONNECT TEAM FROM INFOSYS-MR. ANOOP SINGH & MRS. SAHANA KUMARSWAMY
6	9/8/2014	1 Day	Seminar regarding “Recruitment Opportunity”	Placement Support	SAP LAB
7	21/8/2014	1 Day	Seminar regarding “Recruitment Opportunity”	Placement Support	RETAIL ON.NET
8	20/8/2014	1 Day	Technical Webinar on “Introduction to Hadoop”	To train students about advances in technology	Conducted by INFOSYS
9	8/10/2014 to 13/10/2014	6 Days	Quantitative Aptitude, Verbal Ability & Soft Skills	To train students about advances in technology	QUANTECH
10	15/10/2014	1 Day	Aspirations 2020 Contest	Placement Support	Conducted by INFOSYS
11	3/10/2013	1 Day	Aspirations 2020 Contest	Placement Support	Conducted by INFOSYS
12	5/10/2013 to 6/10/2013	2 Days	Programming Contest-Semicolons 2013	To create compitative atmosphere	Conducted by PERSISTENT SYSTEMS PVT. LTD
13	10/5/2013	1 DAY	Campus Connect Roadshow	Placement Support	Conducted by INFOSYS(Mr. RiteshKumble)
14	14/ 9/2013	1 Day	Corporate Awareness Seminar	Personality Development	Ravi Kumar H (Lead Industrial Trainer) LagamannaBawoor(Project Lead-Motorola) ShivanandHiremeath (Senior HR Manager Tech Mahindra) Mohan Kumar K R (MD &



					CEO Ample Software Solutions)
15	7/9/2012 to 12/9/2012	6 Days	Soft Skills & Technical Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.

Summary of ISE ends**✚ Department of Civil Engineering**

Sl. No.	Date	Number of Days	Programme	Objectives achieved	Trainer
1	29 th February and 1 st March, 2016	2	Workshop on Cement and Concrete – An insight into a wonderful world	To train students about advances in Technology	Sri. Vasudev Murthy, Founder and MD, Build BizzOnline Private Ltd., Bangalore
2	27 th & 28 th April 2012	2	National Workshop on Tunneling Mechanics and Underground Excavation	To train students about advances in Technology	Sri.R.Sridhar, CEO & Director, APEX ENCON Pvt. Ltd.,
					Prof. T.G.Sitaram, Prof. of Civil Engineering, IISc and Chairman, KGC, Bangalore
					Ms.Raji, Research Scholar, Geotechnical Engg., IISc, Bangalore
					Sri.R Richardson, ASIR, Head of railway sector, Soma Enterprise Ltd., Bangalore
					Sri. C J Jagadeesha, Scientist, ISRO & Secretary, KERF
					Prof. M R Pranesh, Advisor, Emeritus, EWIT & Vice President, KERF

Summary of CE ends**Department of MCA**



Sl. No.	Date	Number of Days	Programme	Objectives achieved	Trainer
1	23/10/2015	07DAYS	Placement training	Placement Support	QANTEC TRANIEE'S
2	23/10/2014	07DAYS	Placement training	Placement Support	QANTEC TRANIEE'S
3	23/10/2013	07DAYS	Placement training	Placement Support	QANTEC TRANIEE'S
4	23/10/2012	07DAYS	Placement training	Placement Support	SMART TRANIEE'S

Summary of MCA ends**✚ Department of Mechanical Engineering**

Sl. No.	Date	Number of Days	Programme	Objectives achieved	Trainer
1	14/8/2015 to 16/8/2015 21/8/2015 to 23/8/2015	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH
2	8/10/2014 to 13/10/2014	6 Days	Quantitative Aptitude, Verbal Ability & Soft Skills	To train students about advances in technology	QUANTECH
3	7/9/2012 to 12/9/2012	6 Days	Soft Skills & Technical Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.

Summary of ME ends**✚ Department of Electrical & Electronics Engineering**

Sl. No.	Date	Number of Days	Programme	Objectives achieved	Trainer
1	14/8/2015 to 16/8/2015 21/8/2015 to 23/8/2015	6 Days	Placement Training In EWIT For 2016 Batch	Placement Support	QUANTECH
2	8/10/2014 to 13/10/2014	6 Days	Quantitative Aptitude, Verbal Ability & Soft Skills	To train students about advances in technology	QUANTECH
3	7/9/2012 to 12/9/2012	6 Days	Soft Skills & Technical Training	Placement Support	SMART TRAINING RESOURCES PVT LTD.

Summary of EEE ends

**✚ Department of MBA**

Sl. No.	Date	Number of Days	Programme	Objectives achieved	Trainer
1	29/03/14	01	One day Workshop on “Communication Assessment”	Improvement in communication	Prof.Vidya Prasad
2	13/02/2014 to 08/04/2014	10	EDI 30 hrs Certificate programme	Imparted Entrepreneur skills	Prof.Ramesh

Summary of MBA ends**❖ Better Career Options****✚ Department of Computer Science & Engineering**

Sl. No.	Name of Programme	Date	Resource Person	Participants
1	One day Hands –On session on”Microprocessor & Its Applications”	April 7 th 2016.	Prof. Srinivas Shetty, Assoc Prof, Department of ISE, DBIT, Bangalore-91.	180
2	Guest lecture on “Artificial Intelligence & Agent Technology”	May, 2016	Prof.G.T.,Raju, Hod ,Dept of CSE,RNSIT,BLORE	30
3	Workshop on “SKILL DEVELOPMENT PROGRAM.”	On 25 th , 26 th March 2015.	Chief Guest: Dr.L.S.Nandeesh,Advisor,SJRC Institutions. Speakers:Mr.Ramprasad,10seconds,blore Mr.Anijit shetty,10 seconds,blore	250
4	National Conference on Advances in Computer Science and Engg.2015 & Sri .C.M.Nagaraj Memorial Lecture	April 28 th -29 th 2015	Chief guest:Dr.P.Nagabhushan Chief Nodal Officer,Mysore university	250
5	Guest Lecture on “Research methodologies & its organization”	May 11 th 2015	Chief guest: Dr.Ravindra.C. Chairman BOS, SGGs IT,Nanded, Marathwada university Guest of Honours: 1.Mr.Narendra,Chief Project Manager,Siemens technology,	300



			Bangalore-91 2.Dr.Vijaya.R.T,Prof,Dept of IT, SGGSIT,Nanded,Marathwada university	
6	Guest lecture on “Artificial Intelligence & Agent Technology”	May 7 th ,2015	Prof.G.T.,Raju,Hod ,Dept of CSE,RNSIT,BLORE	30
7	Guest Lecture on “Computer Networks”	May 12 th 2015.	Prof.T.G.Basavaraj, Prof & Head, SKSIT, Ramanagar.	30
8	GUEST LECTURE ON “Data Structures & its Applications”	On 19 th Oct 2015	Chief guest & Main Speaker Prof. Padma Reddy, HOD, SAVIT,Blore	200
9	Workshop on NS2 & its Applications	On 2 nd & 3 rd Nov 2015	Speakers: 1..Prof Chandan Raj,Asst Prof,EWTI,Blore Presides :Dr.Arun Biradar ,HOD ,Dept of CSE	200
10	Workshop On “C# and .NET Concepts”.	On 4 th & 5 th NOV 2015	Speaker:Mr.Ramprasad, 10seconds, blore	200
11	Internet of Things IOT BOOT CAMP	Nov 18 th -19 th 2015.	Dr. H. Jamadagani Professor & Chairman CEDT, IISc., Bangalore	150
12	Guest Lecture “Industry focused skill”	April 30 th 2014	Chief guest:Mr.Pallab Bandopadyay, former CEO,CISCO Technologies,Blore	300
13	Workshop on DYNAMIC WEB DEVELOPMENT	on 17 th & 20 th Oct 2014	Speaker:Mr.Kiran,#define, Bangalore	180
14	Seminar of “Programming Techniques “	on OCT 19 TH 2014	Chief guest and speaker: Padma Reddy ,Prof and HOD,Dept of CSE,EWIT Blore	300
15	Workshop on “NS2 & its Applications”	on 6 th ,7 th Nov 2014	Speakers: 1.Prof. Mohammed .M.Khurram,Asst Prof,GCOE,Ramanagar 2.Prof. Chandan Raj,Asst Prof,EWTI,Blore	300
16	Two days National Workshop on Wired, Wireless MANET Simulation using NS2	March 12 th ,13 th 2013	Keynote speaker: Dr.J.T. Devaraju, Chairman,wi-max and wireless sensor networks lab,Bangalore university. Speaker:Prof.Mohit.P. Tahiliani,Dept of CSE,NITK Surathkal	55



17	Guest Lecture on “Research passion”	May 8 th 2013	Dr. U. Sinha,distinguished scientist, NAL ,Bangalore	250
18	Workshop on WEB TECHNOLOGY	Nov 11 th 12 th 2013.	Speaker:Mr.Kiran,#define,Bangalore	150
19	Seminar On “C# and .NET Technology”.	On 12 th ,13 th NOV 2013	Speaker:Mr.RamPrasad,JVS Technologies,Blore.	120
20	ISTE Faculty Convention	7 th 8 th Dec 2013	Dr. H. P. Kincha Former Vice-Chancellor VTU, Belgaum Dr. N. R. Shetty Former President ISTE, New Delhi	300
21	National seminar on ”Emerging trends in Computer science & Engg”	Oct 10 th 2012	1.DR. K. CHIDANANDA GOWDA Former VC,Kuvempu University 2.DR.SHIVANAND HANDIGUND HOD,PG R &D Co-coordinator, Bangalore Institute of Technology, Blore	350

Summary of CSE ends**✚ Department of Electronic & Communication Engineering**

Sl. No.	Name of the workshop / Seminars Conference / Guest Lectures	Date	Place	Participants
1	IETE students forum inauguration	21 March 2015	Dr D C Pande, Prof H S Bhatia.	75
2	Speech Signal Processing	8 th August 2015	Dr. Uday Kumar	66
3	FDP on Ethics in Teaching	12 March 2014	Dr.Gururaj Karajagi	90
4	Power Semiconductor devices-manufacturing practices and applications	22 Feb 2012	Dr. Saji Salkalachen	80

Summary of ECE ends**✚ Department of Information Science & Engineering**

Sl No	Name of Programme	Date	Resource Person	Participants
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1	Talk on Competitive examination preparation	05/02/2015	MrSajith Kumar Manager, Manhattan Review	95
2	2 days workshop on Android development	28/02/15 & 01/03/2015	Mr. Kiran, Executive Director, Hash Define Ltd	110
3	Seminar on Youth Development	26/08/2015	Mr. PrashanthYag , Speaker, I3 Ltd.,	112
4	Technical Seminar on “An eye on ur career”	26/08/2015	Mr John Kurian, Business development Manager NIIT Ltd	79
5	Workshop on Web Development & Android Application, Dept Android App	28/09/2015 & 29/09/2015	Mr. Kiran, Manager, Inventure Tech. Ltd	90
6	Seminar on Networking	11/08/2014	Mr. Amith Kumar, Network Engineer, NIIT	80
7	Technical Seminar on Image Processing	13/08/2014	Dr. C M Patil Prof, Dept of CSE, VVCE Mysore	38
8	Seminar on careers in IT	19/08/2014	Ms. Madhushree Asst Manager, NIIT	97
9	Workshop on Dynamic Web Development	12/09/2014	Mr. Kiran, Project Manager, Disciples India Ltd	102
10	LaTex Workshop	26/10/2014	Dr. C M Patil Prof, Dept of CSE, VVCE Mysore	98
11	Seminarr on Adhoc networks for Project Development	14/03/2013	Mr. Murali Reddy Asst Prof, Dept of ISE, SJBIT	92
12	Technical Seminar on Java Technologies	26/08/2012	Umesh Chandra Java Core Developer, NIIT.	92
13	Semainar on Web Technologies	28/09/2012	Mr. Kiran, Project Manager, Disciples India Ltd.	95

Summary of ISE ends**✚ Department of Civil Engineering**

SI No	Name of Programme	Date	Resource Person	Participants
1	Engineer's day Celebration	15 th September, 2015	Dr.SureshNagesh, Chair Professor, Dept. of Mechanical Engg., PES University	556
2	Build Mat 2015	27 th March,	Dr. R Nagendra,	657



		2015	Chairman, ICI,Civil Aid, Bangalore	
3	Guest Lecture	20 April 2014	Dr. Usha N Murthy	116
4	Engineer's day Celebration	15 th September, 2014	Sri. B G Mallya, Chief Engineer,Bangalore Metro Rail Corporation	167
5	World Water Day	22 nd March, 2014	Shivakumar J Nayamati, Associate Professor, UVCE Bangalore	137
			Guruprasad G, Chief Engineer, Water Resource Department, GOK	
6	Site Visit to T.K Halli	May 2014	-	118
7	Engineer's day Celebration	15 th September 2013	Dr. N. Govindaraju HOD, Mechanical dept, Sir MVIT Dr. Veeresh K Basalahalli, Director, Sir. MVIT	167
8	Guest Lecture on "How earthquake affects Architectural features of a building"	9 March 2013	Dr. Sunil M, Principal engineer, M/S Mott Macdonald India Pvt. Ltd.	76
9	Lecture on Next Generation Concrete	11 September 2012	Dr. V. Ramachandra, Vice President (Tech) South Ultra Tech Cement Ltd., Bangalore	97
10	Engineer's day	15 Sept 2012	Dr. Lakshmikanth, Asst. Environmental Officer, Karnataka State Pollution Control Board, Mangalore	112
11	Guest lecture on "Air Pollution"	10 October 2012	Dr. V. Krishnamurthy, Prof. &Head, Biotechnology, PESIT.	86
12	Guest lecture on "Properties and Classification of Soil"	10 October 2012	Dr. K V N Rao, Director, Atria Institute of Technology	166



Summary of CE ends

✚ Department of Mechanical Engineering

SI No	Name of Programme	Date	Resource Person	Participants
1	Workshop on Automobile Basics and Systems	2 nd and 3 rd April 2014	Vivekananda Pathak, Autonext, Pune	120
2	Seminar on Automotive Transmission	19 th March 2014	Satish K U, Senior Architect, RBEI	120
3	Guest lecture on Design of Machine Elements	19 th September 2014	Dr. T. Krishna Rao , Principal, Alpha College Of Engineering	120
4	Seminar on Geometrical Dimensions and Tolerances	18 th October 2014	Mr. PrasannaKiran, Asst. Manager, Product development, BOSCH limited	120
5	Guest lecture	10 th October 2013	Dr. T. Krishna Rao, Principal SRSIT, Bangalore	120
6	National Conference on Development and Opportunities in Civil Engineering, Applied Sciences and Mechanical Engineering (DOCAM-2012)	18 th & 19 th May 2012	Dr. N. Rudraiah, INSA Sr. Scientist, Bangalore University Former Vice chancellor, Bangalore 560001	60
7	Training Programme	10 th & 11 th Feb 2012	Dr Kumar, Kshipra Simulations	60

Summary of ME ends

✚ Department of Electrical & Electronics Engineering

SI No	Name of Programme	Date	Resource Person	Participants
1	Project Tour to “Varahi Hydro plant and Udupi power corporation”	27 th to 31 st Jan 2016	Mr. Krishnamurthy	42
2	Project Trip to Kaiga nuclear power plant and Varahi Hydro plant	20 th -22 nd Feb 2016	Mr. Krishnamurthy, Varahi power project Mr. NagarajMukari, KAIGA power plant	42
3	Seminar on “Opportunities for higher education abroad”	4/3/2015	Mr. Sridhar A	34
4	Seminar on “Microcontroller and robotics”	3/8/2015	Mr. Prashanth Agarwal(MAX Embedded.com)	59
5	Industrial Visit to “FOREMAN TRAINING	17/8/2015	Mr. Ganapathy, Deputy Director , FTI	52



	INSTITUTE, Peenya”			
6	Seminar on “ PLC and it’s applications”	14/9/2015	Mr. Nagaraj.S. Rao, SOURISH Automation	48
7	Two day Workshop on “PLC and it’s applications”	30/9/2015 to 1/10/ 2015	Mr. Nagaraj.S. Rao, SOURISH Automation	48
8	Industrial visit to Borukha power plant	18/03/2014	Mr. Ranganath B K(BPCL)	95
9	Seminar on GATE aspiration	12/08/2014	Mr. Bishnukanth Thakur, GATE FORUM	54

Summary of E&E ends**Department of MCA**

Slno	Name of Programme	Date	Resource person	Participants
1	Data Mining (Seminar)	02/04/2016	Mr Sudarshan Sr.S/w.Engg Mindset IT Pvt ltd	33
2	Automation Testing	2/11/2015	Mr. Prashanth K. S Sr. Validation Test Engg Quintiles Pvt ltd	53
3	Network Simulation	6/10/2015	Ms Bhagya Soft Engg Attrra Infotech Pvt Ltd	53
4	Seminar of Research Methodologies	6/8/2015	Dr.Vijaykumar Assoc.Prof Dept. MCA BMSCE	23
5	Cloud Computing	20/10/2015	Prof.Vishwanath RNS IT	27
6	Computer Networks (Seminar)	13/5/2015	Mr. Basavaraj Mathapati Project Manager ErevMax Pvt Ltd	46
7	DotNet	13/04/2015	Prof.Madhu h.k BIT Bangalore	27
8	“Inter integration Application using Android” (Workshop)	13/03/2013	Mr. Prakash k IONESIS Solution	63
9	OOAD using UML and IBM Rational software architecture (Workshop)	3/08/2011- 6/08/2011-	Mr. Yogesh Crane Pvt Ltd(IBM)	70

Summary of MCA ends**Department of MBA**

Sl No	Name of Programme	Date	Resource Person	Participants
1	Industrial visit to KSDL	17/4/2015	-	43
2	Workshop on “Mind your Mind.”	15/02/2014	Prof., Jayasimha, HR Trainer	90



3	Guest Lecture on “Opportunities for MBA Students”	10/02/2014	Dr. Nandeesh V. Hiremath, Prof. & Dean, (IBMR-IBS)	63
4	Industrial visit to Hindustan Coca Cola Beverages Pvt. Ltd.,	09/09/2014	-	43

Summary of MBA ends**Community Orientation**

Sl. No.	Activity	Date
1	Celebration of national youth day	12/01/2013
2	Republic Day celebration	26/01/2013
3	Blood donation camp	19/02/2013
4	World Women’s Day celebration	09/03/2013
5	Selection trials to participate in National Integration camp at college level	18/03/2013
6	Awareness programme on voting & voting rights	13/04/2013
7	Bharat Bhawna Diwas	06/05/2013
8	Anti tobacco awareness programme	31/05/2013
9	Tree plantation	08/06/2013
10	Tree plantation	20/07/2013
11	Independence day celebration	15/08/2013
12	Teachers day celebration	05/09/2013
13	NSS day Celebration	24/09/2013
14	Gandhi Jayanthi celebration	02/10/2013
15	Kannada Rajyotsava Celebration	09/11/2013
16	Republic day celebration	26/01/2014
17	World Women’s Day celebration	15/03/2014
18	Health Day Celebration	12/04/2014
19	Van Mahotsava Week	31/05/2014 to 7/06/2014
20	Independence day celebration	15 /08/2014
21	Teacher’s day celebration	05/09/2014
22	Gandhi Jayanthi Celebration	02/10/2014
23	Awareness programme on Human Rights	10/12/2014
24	Republic day celebration	26/01/2015
25	Health awareness Programme	11/04/2015
26	Awareness programme on Environment	06/06/2015
27	Mass tree Plantation	27/06/2015 To 04/07/2015



28	Independence day celebration	15 /08/2015
29	Engineer's day celebration	19/09/2015
30	Gandhi Jayanthi Celebration	02/10/2015
31	Kannada Rajyotsava Celebration	07/11/2015
32	Republic day celebration	26/01/2016
33	Eye Check – up camp	5/03/2016

1.3.5 Citing a few examples, enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

The institution has various channels to collect and document responses on curriculum from the stakeholders. The students express their opinion on curriculum through feedback process. Oral responses are also taken into consideration during parent-teachers meeting. The head of the department is responsible for collecting feedback from different stakeholders through periodic meetings pertaining to the department. Finally, all the feedback will be sent to the university.

Based on the feedback of the stakeholders, the below mentioned enrichment programmes are conducted.

- ✚ Department of Computer Science & Engineering conducted workshop on “NS2 and its Applications.” on 2-11-15 and 3-11-15 as per the feedback obtained by students of 2014-15 academic year.
- ✚ Department of Electronics & Communication Engineering conducted workshop on “ARM7 Microcontroller”. On 01/10/2015 and 05/10/2015 as per the feedback obtained by students of 2014-15 academic year.
- ✚ Department of Civil Engineering conducted workshop on “Cement and Concrete Technology.” On 29/02/2016 to 01/03/2016 as per the feedback obtained by students of 2014-15 academic year.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

HODs regularly monitor programs enrichment activities, and in turn report to the principal regarding outcomes and feedback. Depending on the feedback received from students, every year HODs and subject experts redesign the programs in consultation with other stakeholders namely industry and research organizations.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the Curriculum prepared by the University?



The institution is affiliated to VTU, Belgaum and therefore there is no scope for framing institution curriculum on its own. The institution looks after the affairs of the feedback process and analyzes through the syllabus committee members/Board of Studies and conveys the same to the university. Before attending the meetings regarding the revision of curriculum, these members consult with the other faculty members, analyze the facts and discuss the changes required to bring them into contemporary system.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

Yes.

- ❖ The Institution encourages various stakeholders such as students, alumni and industry people to give their feedback on curriculum.
- ❖ The institution uses a feedback mechanism i.e. questionnaires to obtain feedback on the curriculum from the students and faculty and the outcome of such feedback is thoroughly discussed in the HOD's meetings and necessary suggestions are forwarded to the University.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

Four new programmes/courses were introduced by the institution. The new programmes/courses have started depending upon the increase in demand for the particular programme/course of the relevant technical field.

SI No	Year of Introduction	Department	Degree	Courses
1	2011-12	Electrical & Electronics Engineering	BE	UG
2		Computer Networks & Engineering	M.Tech	PG
3	2014-15	Information Technology & Engineering	M.Tech	PG
4		M.TechThermal Power Engineering	M.Tech	PG



CRITERION II

TEACHING–LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the College ensure publicity and transparency in the admission process?

- ❖ For all programmes the publicity for admission is done through college website, prospectus and advertisement in print media.
- ❖ College website: www.ewit.edu has detailed information about the admission procedure and the various courses offered.
- ❖ Prospectus: Detailed information about the institution academic activities and ‘state of the art’ facilities are explicitly mentioned.
- ❖ Advertisement in print media: A paper advertisement about the admission to various courses is given in leading national and regional newspapers.
- ❖ Transparency is ensured in admission process. The candidates are selected as per the affiliated university norms and procedures.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) Combination of Merit and Entrance test or Merit, Entrance Test and Interview (iv) Any other) to various programmes of the Institution.

- ❖ **UNDER GRADUATE:** For the undergraduate programmes (B.E.), 45% of the seats are reserved and filled as per the Karnataka Government norms through CET, 30% seats are filled through the COMEDK and remaining 25% from NRI Quota.
- ❖ **POST GRADUATE:** For the Post graduate programmes, admission is as per the university norms which are based on PGCET, K MAT, G MAT and C MAT entrance tests conducted by the government.
- ❖ **CET:** Based on the performance of the candidates in the Common Entrance Test and the qualifying examination, as the case may be, the merit / rank list will be prepared and published. All the eligible candidates will be considered for allotment of seats in the order of their merit / rank and based on the options and as per the seat matrix issued by the government. Passed in 2nd PUC / 12th Std / equivalent exam with English as one of the languages and obtained a minimum of 45% of marks in aggregate in physics and mathematics along with chemistry / bio-Technology / biology / electronics / computer.



(40% for SC, ST, Cat-1, 2A, 2B, 3A and 3B category candidates)

- ❖ **COMEDK:** The general merit candidates should have passed with a minimum aggregate of 45% marks (40% in respect of SC, ST and OBC candidates of Karnataka state) in physics, chemistry and mathematics and should have passed these subjects individually. Physics and Mathematics are compulsory subjects along with chemistry or bio Technology or biology or computer science or electronics as one of the optional subjects. However, changes, if any, in the eligibility criteria by the AICTE will be adopted.

- ❖ **PGCET**

- **MBA:** (i) For full time MBA courses: A candidate who has passed recognised bachelor's degree of minimum of 3 years duration examination or equivalent examination and obtained an aggregate minimum of 50% marks taken together in all the subjects including languages in all the years of the degree examination is eligible for admission to MBA courses. (45% of marks in Q. E. in case of SC, ST and Category-I of Karnataka candidates) Page 7 of 30 (ii) For Part Time MBA courses: A candidate who has passed recognized bachelor's degree of minimum of 3 years duration examination or equivalent examination and obtained an aggregate minimum of 50% marks taken together in all the subjects including languages in all the years of the degree examination is eligible for admission to MBA courses (45% of marks in Q. E. in case of SC, ST and category-I of Karnataka candidates). In addition to this a candidate after obtaining the degree, must have worked for not less than three years as on 31st July 2015, in an establishment and must be working in an organization situated within a radial distance of 40 Km from the institution in which the candidate seeks admission.
- **MCA:** A candidate who has passed any recognized under graduate examination or equivalent examination with mathematics or statistics or computer science or computer applications or computer programming or business mathematics or business statistics as one of the optional subjects and obtained an aggregate minimum of 50% marks taken together in all the subjects in all the years of the degree examination is eligible for admission to MCA courses. 45% of marks in Q. E. in case of SC, ST and category-I of Karnataka candidates. Provided that in respect of candidate who has studied and passed one of the subjects specified above in pre-university course with fifty percent of marks in that subject shall also be considered for admission. 45% of marks in case of SC, ST and category-I of Karnataka candidates. Lateral Entry to 2nd year MCA. A candidate who



has passed recognised Bachelor's Degree of minimum of 3 years duration examination in BCA, B.Sc (I.T. / computer science) with mathematics at 10 + 2 level or at graduate level and obtained an aggregate minimum of 50% marks taken together in all the subjects in all the years of the degree examination is eligible for admission to MCA courses (45% of marks in Q. E. in case of SC, ST and category-I of Karnataka candidates) No part time courses are offered for MCA.

- **M.E. / M.Tech / M.Arch** - Course (i) For Full Time M.E. / M.Tech / M.Arch - course TM A candidate with valid GATE score. TM A candidate who has passed qualifying examination or equivalent examination as prescribed by the competent authority and obtained an aggregate minimum of 50% marks taken together in all the subjects of all the years / semesters of the degree examination is eligible for admission to M.E. / M.Tech / M.Arch courses (45% of marks in Q. E. in case of SC, ST and category-I candidates. (Reservation is applicable only for Karnataka candidates) TM (ii) For Part Time M.E. / M.Tech / M.Arch courses: A candidate who has passed a prescribed qualifying examination or equivalent examination as prescribed by the competent authority and obtained an aggregate minimum of 50% marks taken together in all the subjects of all the years / semesters of the degree examination is eligible for admission to M.E. / M.Tech / M.Arch courses (45% of marks in Q. E. in case of SC, ST and category-I Karnataka candidates) (Reservation is applicable only for Karnataka Candidates)

In addition to this candidate after obtaining the complete degree, must have worked for not less than three years as on 31st July 2015, in an establishment and must be working in an organization situated within a radial distance of 40 Km from the institution in which the candidate seeks admission. However, the employer has to fill up the NOC duly signed by the competent authority.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

Sl. No.	Programme	Year 2012-13	Year 2013-14	Year 2014-15	Year 2015-16
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		Cutoff ranks	Cutoff ranks	Cutoff ranks	Cutoff ranks
UG					
1	B.E (ECE)	18479-58883	11381-58660	42529-94751	46284-112420
2	B.E (CSE)	24528-70667	15472-49233	47574-75531	40850-107150
3	B.E (ISE)	33798-68657	24270-79919	77259-89297	66340-107788
4	B.E (CIV)	43873-76575	22897- 50035	53251-80609	58328-80728
5	B.E (ME)	31161-63810	18759-63874	54344-95430	55104-103807
6	B.E (EEE)	29816-69733	20435-78143	66043-94374	61197-112173
PG					
1	MBA	3201-18312	1897-4573	611-9789	2903 -13309
2	MCA	1977-4802	1298-3738	1152-4200	593 -3034
3	M.TECH (LDE)	956-9241	488-13850	4403-19428	4585-10878
	M.TECH (SCS)	305-7199	2164-9074	5833-19838	8687-13627
	M.TECH (SCN)	892-7351	2031-6242	7788-19045	10489-12629
	M.TECH (MMD)	1391-5165	1918-13166	4572-18018	6369-14108
	M.TECH (CSE)	3674-17520	945-12080	6353-10858	6142-12157
	M.TECH (CGT)	1299-19406	6155-19564	2838-18055	4585-13670
	M.TECH (MTP)	-	-	1389-6275	4302-7486
	M.TECH (IT)	-	-	8972-11022	1052-13421

❖ UNDER GRADUATE Comparative Analysis of Near By Institution

Programme						
Near By Institution (Name, Address and distance)	EC	CS	IS	EEE	CV	ME
East West Institution of Technology	MIN:	MIN:	MIN:	MIN:	MIN:	MIN:
	46284	40880	66340	61197	58328	55104
	MAX:	MAX:	MAX:	MAX:	MAX:	MAX:
	112430	107150	107788	112173	80728	103807
Rajarajeshwari College of Engineering No.14, Ramohalli Cross,, Mysore Rd, Bengaluru, Karnataka 560074(13 Km)	MIN:	MIN:	MIN:	MIN:	MIN:	MIN:
	45014	39331	56559	63153	58825	53462
	MAX:	MAX:	MAX:	MAX:	MAX:	MAX:
	1043050	106657	98998	105355	82321	99250



A C Shanmugham College of Engineering Mysore Road, Kambipura, Bengaluru, Karnataka 560074(12 Km)	MIN: 64511 MAX: 84678	MIN: 56539 MAX: 83607	--	MIN: 103438 MAX: 104770	MIN: 74601 MAX: 101779	MIN: 69494 MAX: 109825
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❖ **POST GRADUATE Comparative Analysis of Near By Institution**

Programme	LDE	SCS	SCN	MMD	CGT
Near By Institution (Name, Address and distance)					
East West Institution of Technology	MIN: 4509 MAX: 10878	MIN: 8087 MAX: 13627	MIN: 10489 MAX: 12629	MIN: 6369 MAX: 14108	MIN: 6145 MAX: 12157
Rajarajeshwari College of Engineering No.14, Ramohalli Cross,, Mysore Rd, Bengaluru, Karnataka 560074 (13 Km)	MIN: Nil MAX: Nil	MIN: 6735 MAX: 13364	-	-	-

2.1.4 Is there a mechanism in the Institution to review the admission process and student profiles annually? If “Yes” what is the outcome of such an effort and how has it contributed the improvement of the Process?

Yes, there is a mechanism in the institution to review the admission process and student profiles annually. The percentage of students qualifying examination during admissions, compared with the percentage of outgoing students. The percentage of improvement in the quality of student increased which helps in the placement. However, the university examination results with average 65-70% of aggregate pass with bridge courses, remedial classes, and workshops can fetch appropriate placements in reputed MNCs and public sectors.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the Institution and its students profiles demonstrate/reflect the National Commitment to diversity and inclusion.

❖ **SC/ST**



- ❖ **OBC**
- ❖ **Women**
- ❖ **Differently abled**
- ❖ **Economically weaker sections**
- ❖ **Minority Community**
- ❖ **Any other**

Institution follows the norms laid down by the DTE, Govt. of Karnataka, for admission process.

- ❖ **Women:** - An analysis of the student profile of the institute would show a significant number of women learners are part of different courses. There are more than 30 percent of girl students studying in various courses like UG and PG, which speaks about the encouragement given to women students.
- ❖ **Economically weaker sections:-** All those who apply are given admission to the courses depending on their eligibility. Fee concessions are offered to the deserving candidates and in some cases cent percent fee concessions are given.

2.1.6 Provide the following details for various Programmes offered by the Institution during the last four years and comment on the trends. i.e., reasons for increase/decrease and actions initiated for improvement.

Sl. No.	Programme	2012-13	2013-14	2014-15	2015-16
1	BE(ECE)	117	120	188	161
2	BE(CSE)	127	175	167	184
3	BE(ISE)	122	97	119	123
4	BE(ME)	126	188	176	175
5	BE(CV)	118	126	179	171
6	BE(EEE)	47	54	63	56
7	M.Tech(LDE)	35	34	29	10
8	M.Tech(SCS)	24	24	21	8
9	M.Tech(MMD)	18	18	14	15
10	M.Tech(CSE)	18	18	18	18
11	M.Tech(CGT)	17	16	16	18
12	M.Tech(SCN)	17	18	10	3



13	M.Tech(MTP)	-	-	9	0
14	M.Tech(IT)	-	-	2	2
15	MBA	79	27	44	60
16	MCA	33	20	26	3
17	Ph.D.	9	8	0	13

Demand ratio cannot be calculated as the required data is available with CET, COMED-K and PG CET cells.

2.2 Catering to Student Diversity

2.2.1 How does the Institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

Institute identifies the needs of differently-abled students and caters them timely. Our institutions is equipped with lifts, ramps and toilets.

2.2.2 Does the Institution assess the students' needs in terms of Knowledge and skills before the commencement of the Programme? If "yes", give details on the Process.

The institution conducts induction and orientation programmes for the freshers every academic year. The programmes involve talk by chairman of the governing council speaks about the vision and mission and the advantages of joining East West institution, because of its uniqueness. During orientation programme awareness is given on curriculum, examination pattern, attendance, CBCS, library, student support services etc. so as to acquaint them with academic and non-academic programmes of the institution. Institute collects student profiles after admission and identifies the weakness of the students such as communication, subject knowledge etc., Special classes are conducted for the students.

2.2.3 What are the strategies drawn and deployed by the Institution to bridge the Knowledge gap of the enrolled students (Bridge/Remedial/Add-on/Enrichment Courses, etc.) to enable them to cope with the Programme of their choice?

The strategy of the institute for conducting bridge/remedial/add-on/enrichment courses, etc. After analyzing the profile of the students and requirement from the industry HOD's along with the faculty chalk out the plan for the whole semester to enable students for coping with the program of their choice.

2.2.4 How does the college sensitize its staff and students on issues such as gender,



inclusion, environment etc.?

As on date there are no gender issues. The ratio of male and female students/staff is 50:50 and in some departments it is 30:70. We have women empowerment cell which takes care of gender issues.

All programs have one or two environment courses. A unit of NSS also helps staff and students to create and protect the environment.

2.2.5 How does the Institution identify and respond to special educational/learning needs of advanced learners?

Class teachers/mentors identify fast learners,

The following facilities are given to them to encourage and enhance their performance.

- ❖ Training to take up advanced level projects, and add on courses.
- ❖ Encouragement to participate in state, national and international conferences.
- ❖ Assigning them with responsibilities of editorial board for dept magazines/newsletters, encouraging them to take live projects and do trainings in latest technologies in government, public and private industry and research organization.
- ❖ Participation in quiz/debates etc.
- ❖ Provision to carry out in-house and research funded projects under the guidance of the faculty members.
- ❖ Best outstanding student in every stream is awarded.
- ❖ Highest scorer, in the academic year is awarded and recognized.
- ❖ Encouraged to participate in intra and inter college competitions.
- ❖ Class teachers/mentors identify fast learners, and are attached with PG students for reviewing of the research papers.
- ❖ The responsibilities of editorial board for dept. magazines/ news letters, are entrusted on them, encourage them to take live projects and do trainings in latest technologies in government, public and private industry and research organization.

2.2.6 How does the Institute collect, analyze and use the data and information on the Academic performance (through program duration) of the students at risk of drop out (students from disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc., who may discontinue their studies if some sort of help is not provided)?



Institution has a proper mechanism of collecting and analyzing the data of academic performance of the students who are at the risk of dropout through class teacher, mentors and HOD's.

	Year 2012-13	Year 2013-14	Year 2014-15	Year 2015-16
Drop out students numbers for last four years	30	19	14	-

2.3 Teaching Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation Schedules? (Academic calendar, Teaching plan, Evaluation blue print, etc.)

- ❖ At the beginning of every semester, the college academic calendar is prepared in accordance to the university calendar and communicated to all staff and students which include co-curricular and extracurricular activities.
- ❖ Proper slot for EDUSAT transmission is created time to time as per the notification from the university.
- ❖ A detailed lesson plan, topics in the syllabus, number of hours required to cover the syllabus, text book details and bridge courses, enrichment programs are prepared by each faculty. After getting the approval from the head of the department, the lesson plan is distributed to students through GEMS ERP.

Evaluation:

- ❖ The end semester examinations are conducted as per the university schedule.
- ❖ The institution follows the system of continuous internal assessment through tests and assignments.
- ❖ Practicals are conducted through continuous assessment system and a final laboratory examination at the end of the semester.
- ❖ Every department has a detailed blue print of the question paper for all semesters as well as a comprehensive question bank is prepared for all subjects in all the departments.

2.3.2 How does IQAC contribute to improve the teaching learning process?

The vast experience of IQAC members exposes us to latest teaching learning processes which are incorporated in departments by faculty.



2.3.3 How learning is made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

Students are identified by class teacher and mentors and topics are assigned based on the intellect. Institution has provided a robust infrastructure in terms of learning resources, digital platform to access the information and materials to the students.

The students are given ample opportunity to give their opinion and show their eagerness to learn through

- ❖ Case study analysis
- ❖ Students projects
- ❖ Presentations
- ❖ Student workshops
- ❖ Role-plays
- ❖ Talks by industrial experts
- ❖ Group activities
- ❖ Industrial projects
- ❖ Quiz
- ❖ Technical lectures by the students
- ❖ Educational field trips
- ❖ Contribution to departmental magazine
- ❖ TEST ME (Online Aptitude Test)

Apart from academic activities which facilitate student centric learning, the co-curricular activities are organized by the students through which they learn organizational and leadership skills. Further, in order to make the learning process more student centric different support systems like

- ❖ Use of EDUSAT, webinars, NPTEL, LCD projectors, demonstration aids, You tube videos, etc.,
- ❖ Digitization of the library, uploading the contents by faculty on websites, accessing online materials on website.
- ❖ Organizing seminars, conferences, workshops and debates.
- ❖ Ensuring holistic development and enhancing student learning with the help of various value added and skill development programmes.



2.3.4 How does the Institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

Fast learners are attached with PG students for reviewing of the research papers, assigning them with responsibilities of editorial board for dept magazines / news letters, encourages them to take live projects and do trainings in latest technologies in government, public and private industry and research organization for nurturing them in critical thinking, creativity and scientific temperament to transform them into life-long learners and innovators.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

- ❖ All the units of the institution have adequate number of projectors to facilitate a better learning environment. Sufficient arrangements are made for audio visual learning and discussions through screening of video presentations relevant to the course.
- ❖ The departments adopts the modern learning to enhances critical reasoning skills of the students through multimedia projectors, smart boards, laptops, internet, animated technical programmes and other learning resources to introduce innovative teaching methodologies.
- ❖ Video conferencing facility is available whenever required.
- ❖ The modern teaching aids like NPTEL lectures, EDUSAT, and webinars are made available to augment the teaching learning process.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (Blended learning, expert lectures, seminars, workshops etc.) ?

Student are exposed to advanced level of knowledge and skills by exposing them to webinars, video conferencing, seminars, workshops, conferences, industrial visits, motivates them to participate in technical fests in-house and other institutions, project exhibitions etc., Departmental associations play a major role in exposing students and faculty to advance level of knowledge by brain storming on latest technologies on regular basis.



Institution has proper guidelines for exposing the faculty to advance level of knowledge through FDP's, seminars, conferences, workshops, training programs conducted in-house and outside in association with university and industry.

2.3.7 Detail (process and the number of students / benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?

Academic and personal support/guidance is available through class teacher, mentors, training and placement officer and HOD's. Number of students who got benefitted on professional counseling are 183 mentoring are 360 and academic advice are 721. Psycho-social cases have not come to notice till date.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the Institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The institution believes in innovative teaching methods. Keeping this in mind the institution has adopted modern methods of teaching within and beyond class room.

- ❖ Use of technology in teaching learning
- ❖ Creation of virtual classes, on-line and e-learning
- ❖ Use of modern teaching aids coupled with required equipments in the laboratories
- ❖ Case studies
- ❖ Personality development classes

The evidence of improvement in learning is seen in the increase in the pass percentage of the students.

The institution has a mechanism for the evaluation of teachers by students/ alumni. The student's feedback focuses on the broad areas like teaching, use of instructional aids, design of curriculum and completion of syllabus.

The following list some of the innovative teaching methods adopted by the faculty.



Faculty name	Teaching method
Anand M.	Explanation of image processing using simulations and live models. Image enhancement is done by using NPTEL Lecture. Image Restoration is done by using NPTEL Lecture.
Anil N.S.	Explanation of Various Coordinate Systems using Simulations and Practical Demo models for better Understanding of the Field and waves. RC coupled amplifier is done by using NPTEL Lecture. Optical fiber mechanical properties is done by using NPTEL Lecture
Chinmayi	PID Control made easy by using interactive sessions. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kruthika Priyadarshini	PID Control made easy by using simulations. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mangala C.N	Massively Empowered Classrooms Tool Provided by Microsoft to teach Analysis and design of Algorithms
Madhura G Sunil	Massively Empowered Classrooms Tool Provided by Microsoft to teach Analysis and design of Algorithms. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjushree Patil.	Animations to explain some Protocols in Computer Networking.
Dhanraj	Animations to explain some Protocols in Computer Networking.
Rajshekar S.A.	ICT and models
Dr.Ramesh B R	ICT, models and puzzles
Dr. Shashishekar T R	Webinar on Carbon Credits-Citizens roles. Lab equipment's, models
Nagaraja Gupta	ICT, models, rock samples and social network. RCC is done by using NPTEL Lecture
Dr.Radhika K N	Video lectures, animations
Ashwini G	ICT, models and puzzles
Geetha K	Mock stock trading to give students hands on experience on how the stock Exchange works.
Prathap	Various Management games are Conducted to Inculcate leadership and team work.
Divya H.N.	Signals and systems fundamentals are done by using NPTEL Lecture
Santhosh Kumar	webinar on Oracle database fundamental. Java Programing explained by using NPTEL Lecture. Basic diode operation is done by using NPTEL Lecture
Shruthi T.V	Webinar on Internet of things
Hemanth Kumar	Webinar on Software Engineering and Cloud Security
Dr. ArunBirdar	Webinar on visual studio light switch. Webinar on UNISYS Campus Connect 2014
Dr.Suresh M.B	Webinar on social network analysis. Webinar on Indian Recruiting



	Trends 2015
Chidanand Prasad R	Webinar on Take wings a look at the future. Webinar on bloom's taxonomy. Webinar on Inspire faculty Excellence Awards
Dr.Channakeshavalu K	Webinar on Take a wings a look at the future
Dr. Maruthi B.H	Webinar on mobility-anything ,anywhere, anytime
Dr S G Hiremath	Webinar on software engineering cloud security
Shruthi T.V	Webinar on Overview of Big data technology landscape
Shana Devi	Industrial visit to BHEL to explain PLC, Solar panel for final year EC students.Case Study used to explain the management and Entrepreneurship. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Pramila B	Industrial visit to INFOSYS, to look in to software creation cycle.. HDL programing is done by using NPTEL Lecture. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Naveen Kumar B K	CMOS fundamentals are done by using NPTEL Lecture. Webinar on outcome based education. Microcontroller timer and counters programing is done by using NPTEL Lecture
Manjula B B	Industrial visit to BOSCH, Bangalore, students are exposed to automotive relays . C++ Data Structures is done by using NPTEL Lecture. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Prathap	Case Study used to explain the managerial skills.
Chidanand Prasad R	CMOS design flow explained by using NPTEL Lecture.
Ravichandra V	Microprocessor is done by using NPTEL Lecture
Prasanna	Big Data is done by using NPTEL Lecture
Jagadisha	Case Study used to explain Stack exchange.
Prathap	Case Study used to explain Banking system
Sharma	Role Play Conducted to explain Network analysis
Chethana Srinivas	Optical fiber mechanical properties is done by using NPTEL Lecture. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Arvind G	IC engine is done by using NPTEL Lecture
Sandeep	Operating systems explained by using NPTEL Lecture
Jagadisha	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjunath	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server..
Prasanna Kumar M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rajshekhar S A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Mangala C N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chandan Raj	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjushree Patel	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dhanraj	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Deepu S R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kiran M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sagar B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Anusha K L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Lakshmikantha S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Hemantha Y K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Prasanna G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Basavaraj S H	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shylaja B.R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sunanda V K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vinod H.N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Poornima T	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vinutha S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Swetha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Harsha A C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Suhas G K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Deepaka R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mamatha A	Uploading of TEST ME (Online Aptitude) question Bank to the



	MOODLE Server.
Akshata K.L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ramya R.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vedha C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rashmi H.P	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Bindushree G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Bhagya L.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kotresh H M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
K Sudheendra	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sandeep R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Bhagya	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rohith H S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Roopashree K M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Divya B.N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Naveen V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Akashya Y M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Radha J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manasa S.	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vedavathi B S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjunath N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Namaratha Naikar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ramya N K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Yashshwini	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ashwini S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sneha	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sushma R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vidyashree N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjula G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Jagadisha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Smitha P	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Savitha T	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Usha M V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ravikumar J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjula B S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Geetha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chethana	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vidya K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Divya K V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Roopa Mahadev	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shruthi J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Hemanth Kumar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shashank H P	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Geetha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chethana	Uploading of TEST ME (Online Aptitude) question Bank to the



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Vidya K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Divya K V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mamatha B N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Bhavya T	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rashmi J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr. B R Channappa	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr. Radhika K N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
P S Prasanna	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
KalaswamyNaika D	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Pushpa B L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shruthi H K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vinod Shavare	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mamatha A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vijay Kumar D	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Arun Kumar H R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Harish C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shivakumar M Hosamani	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Deepa C S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sreedevi R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ramyashree	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Raghunandan C Mantri	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server



Swapna V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Nagarjuna S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shilpa B S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Girish S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
ManjunathItagi	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
B K Smitha	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rajeshwari B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Usha K N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Soumya R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mohan K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Tejnatha R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rakesh C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Raghuveer N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Siddesh N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rohith B E	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Naveen R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Basavana Gowda	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Swathi Rani K S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Deepthi H O	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Srilakshmi R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shruthi B J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Meghana Prasad	Uploading of TEST ME (Online Aptitude) question Bank to the



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Shwetha D	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shridhara D G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Akhila S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Honnegowda	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Prakyat	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Divya T S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Allumella Naveena	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr.R.Chandra Moorthy	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr.N.S.Nagesh Rao	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr.Raghavendra. B. N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Prathap.B.N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Nethravathi. N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sharma K.R.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sushma.J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Pavan Kumar.P.V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Divya H N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Pavithra.B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Abhilash	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sowmya.B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr. Sathish Babu B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chidananda Prasad. R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Puttaswamaiah.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chandru.B.T	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Guruprasad.H.L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Punith Gowda.K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Aravind.K.U	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rudresh.M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Santhosh Kumar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Venkatesh.N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Harish H	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rakshith A N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Gunesh N Ravnkar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rohini H.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Swethashree.B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shivraj J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vivekananda prabhu N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sreekanth A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Annapoorna K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Muruli B H	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vijayashree Nagaral	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Nandan M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Puneeth K S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mruthyunjaya	Uploading of TEST ME (Online Aptitude) question Bank to the



Manchali	MOODLE Server.
Vinay Kumar R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Anil P	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Krishnakant. Bhole	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Umesh Babu G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Thippeswamy	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Vithun S N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Chennakeshava	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manajunath	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Karthik	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Raghu	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Appaji Gowda B M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kodandaram N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Praveen Kumar M B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mallika	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manoranjan S N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr.A Rajeswari	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sharada K A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Revathi R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Nagalambika. S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Praveen k s	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Nagaveni	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Shailesh Prasad	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Lakshmi reddy s	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kaalidoss	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Suneetha L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vidya S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shilpa C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Anitha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
C S L Madhavi	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Srinivasan M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjula Biradar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mrudula Mittal	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.

2.3.9 How are library resources used to augment the teaching-learning process?

The institution library has a vast collection of text books, reference books and other collections. They have on-line course ware, e-learning resources and internet facilities. The libraries of the constituent units have a host of e-journals which caters to the demands of postgraduate, research scholars and faculty members.

The Wi-Fi enabled campus encourages blended learning by way of providing access to various website containing e-learning resources. On the institutional website there is a link of online access for D-book stores which is available to each student and faculty.

The internet connections are available in the libraries which enhances the scope of e-learning.

2.3.10 Does the Institution face any challenges in completing the curriculum within the planned time frame and calendar? If “yes”, elaborate on the challenges encountered and the institutional approaches to overcome these.

No

**2.3.11 How does the Institute monitor and evaluate the quality of teaching learning?**

The institution monitors and evaluates the quality of teaching learning at macro and micro levels, feedbacks are procured from students through online and evaluated by HOD's.

- ❖ The feedback and evaluation is communicated to the respective faculty.
- ❖ The faculty members are informed about the areas of concern which assist them to improve in chosen areas.

2.4 Teacher Quality**2.4.1 Provide the following details and elaborate on the strategies adopted by the college in Planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the Curriculum**

To meet the changing requirements of the curriculum, institute motivates faculty members to attend FDPs, conferences, workshops and seminars for recruitment and retention of the human resource in the institute. Proper service rules are in place.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D	29	02	0	--	--	--	31
M.Phil	--	--	--	02	01	03	06
PG	--	--	26	18	95	104	243
Temporary teachers							
Ph.D	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
Part Time teachers							
Ph.D	--	--	--	--	--	--	--
M.Phil	--	--	--	--	--	--	--
PG	--	--	---	--	--	--	--

2.4.2 How does the Institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study



being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the Institution in this direction and the outcome during the last three years.

No new programmes/ modern areas (emerging areas) of study has being introduced (Biotechnology, IT, Bioinformatics etc.)

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the Institution in enhancing the teacher quality.

a. Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty Nominated
Refresher courses	42
HRD programmes	33
Orientation programmes	24
Staff training conducted by the university	35
Staff training conducted by other institutions	10
Summer / winter schools, workshops, etc.	23

b. Faculty Training programmes organized by the Institution to empower and enable the use of various tools and technology for improved teaching-learning.

- ❖ Teaching learning methods/approaches
- ❖ Handling new curriculum
- ❖ Content/knowledge management
- ❖ Selection, development and use of enrichment materials
- ❖ Assessment
- ❖ Cross cutting issues
- ❖ Audio Visual Aids/multimedia
- ❖ OER's
- ❖ Teaching learning material development, selection and use

Sl No	DATE	PROGRAM	NAME OF THE RESOURCE PERSON



1	7/04/2016	One day Hands –On session on”Microprocessor and Its Applications”	Prof. Srinivas Shetty
2	27-02-2016	Vocabulary	Prof. Stany R Miranda
3	25-02-2016	Dept of MBA organized seminar on Research Methodology	Dr. John Manohar
4	05-08-2015	Barriers of Communication	Prof. Stany R Miranda
5	4/11/2015	Workshop On “C# and .NET Concepts”.	Mr.Ramprasad
6	2/11/2015	Workshop on NS2 and its Applications	Dr.Arun Biradar
7	19/10/2015	GUEST LECTURE ON “Data Structures and its Applications”	Prof. Padma Reddy
8	30/09/2015	Workshop on “ PLC and Its Applications"	Mr. Nagaraj S Rao
9	29/09/2015	Workshop on “Financial Education for Young Investors”	Mr. PrakashRaoJothady
10	17/11/2014	Seminar on Employable opportunities in the INDIAN ARMY	Mr. Sachin Kashyap
11	13-09-2014	FDP by Wipro 10X on Advanced Workshop	Company resource person
12	20/8/2014	Web development	Mr.Kiran B.N
13	13/8/2014	Seminar on Image processing	Dr.C.M. Patil
14	5/5/2014	Seminar on PLC and SCADA	MrPrakash
15	15-03-2014	FDP by Wipro 10X on “High Impact Teaching skills”	Company resource person
16	12/03/2014	“FDP on ethics in Teaching”	Dr. GururajKarajagi



17	20/02/2014	“Recent Advances in wireless communication and wireless sensor networks”	Dr.T.J. Devraj
18	05-10-2013	Seminar on LATEX	Dr. SrinivasPurouhit

c. Percentage of faculty

- ❖ **Invited as resource persons in workshops/seminars/conferences organized by external professional agencies** 2.9%
- ❖ **Participated in external workshops/seminars/conferences recognized by national/international professional bodies** 38.56%
- ❖ **Presented papers in workshops/seminars/conferences conducted or recognized by professional agencies** 70.76%

2.4.4 What policies/systems are in place to recharge teachers? (e.g.: providing research grants, study leave, support for research and academic publications teaching experience in other national Institutions and specialized programmes industrial engagement etc.)

The faculty members of EWIT are given opportunity to upgrade their qualifications to masters/doctorate/post-doctorate levels. Faculty members are permitted to pursue higher studies under this program in premier institutions.

For research and academic publication the institution supports by reducing the work load, by giving study leave, infrastructure, man power, and transport are made available from time to time as per the requirement.

Full-time faculty at EWIT, whose articles are selected on behalf of institution in any domestic or international conferences. His / Her registration fees, official duty leave and travel expenses are reimbursed by the office.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the Institutional culture and environment contributed to such performance/achievement of the faculty.

For the last 4 years No. of best paper awards for staff = 20



Institution has created serene environment which motivates faculty to take part in evolving and implementing, new dynamics in teaching learning and research

2.4.6 Has the Institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching learning process?

Yes, principal along with HOD's communicate and council the faculty members regarding the improvements in teaching learning process.

2.5 Evaluation Process and Reforms

2.5.1 How does the Institution ensure that the stakeholders of the Institution especially students and faculty are aware of the evaluation processes?

The institution at the time of orientation program distributes the university syllabus hand book, which lists evaluation methods / scheme of examination is communicated to the students by the faculty members.

2.5.2 What are the major evaluation reforms of the university that the Institution has adopted and what are the reforms initiated by the Institution on its own?

Following are the evaluation reforms adopted by university and implemented by the institution.

- ❖ Continuous assessment and credit-based grading has been introduced by the university.
- ❖ Entry of attendance and mark details in the web portal and automated calculation of internal assessment marks were introduced by VTU, Belgaum.
- ❖ The university has introduced a scheme of applying for photocopies of answer scripts for revaluation and chance to challenge the valuation. The fees for challenging the valuation will be refunded if there is a change in the grade.
- ❖ Evaluation of PG project and Ph.D thesis are through university web portal
- ❖ The university has digitalized the entire evaluation process.
- ❖ Being affiliated institution, we cannot introduce any evaluation reforms of our own. We strictly follow university guidelines.

2.5.3 How does the Institution ensure effective implementation of the evaluation reforms of the university and those initiated by the Institution on its own?

All reforms are communicated to each faculty member, student through seminars, notices on



notice board and institute website. Institute equips itself with required infrastructure and trained human resource time to time.

2.5.4 Provide details on the formative and summative evaluation approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

❖ Formative Evaluation Approaches

Three internal assessment tests (Formative Assessment Tests) are conducted every semester as per the university norms. Based on the performance in these tests, the internal assessment marks are awarded by the institution. The weightage of internal assessment marks for various courses is shown in table below. Students are advised to give due importance to the formative assessment tests and they are well informed that learning is a continuous process.

Sl.No.	Name of the course	Max. IA marks
1	BE (CBCS scheme)	20
2	BE (General scheme)	25
3	M.Tech.	50
4	MBA	50
5	MCA	50

✚ Internal marks for Project evaluation

Sl.No.	Name of the course	Max. IA marks
1	BE(CBCS scheme)	-
2	BE(General scheme)	50
3	M.Tech.	50
4	MBA	50
5	MCA	50

✚ Summative Evaluation Approaches

Institute conduct preparatory examinations at the end of each semester (Summative Assessment Examinations). These examinations help the students in preparing towards the end semester university examinations.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency



in the internal assessment during the last four years and weightage assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

Answer books of internal assessment are distributed in the class room and the scheme is discussed to ensure transparency. Institution sends progress report of their ward to the parents through GEMS ERP.

Students have become more confident and precise in presentation which is the significant improvement in overall development.

2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

The graduate attributes are not specified by the university where as the institution has adopted the same prescribed by the National Board of Accreditation.

✚ Graduate Attributes (GAs)

- ❖ Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- ❖ Problem Analysis: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- ❖ Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
- ❖ Conduct investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
- ❖ Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- ❖ The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent



responsibilities relevant to professional engineering practice.

- ❖ **Environment and Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
- ❖ **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
- ❖ **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
- ❖ **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
- ❖ **Project Management and Finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- ❖ **Life-long Learning:** Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

The attainment of these is done through direct and indirect methods.

2.5.7 What are the mechanisms for Redressal of grievances with reference to evaluation both at the college and University level?

The students are entitled to come out with their grievances and to approach the concerned subject teachers and also the evaluation processes even at university level. Those grievances are resolved as per the norms.

❖ At Institute Level

Internal evaluation is made by the concerned subject teacher. The students can approach the teachers in case of clarification on the marks awarded based on the scheme of valuation discussed in the class.

❖ At University Level

The university has introduced a scheme of applying for Photo copies of answer scripts and for



reevaluation. The details are given below.

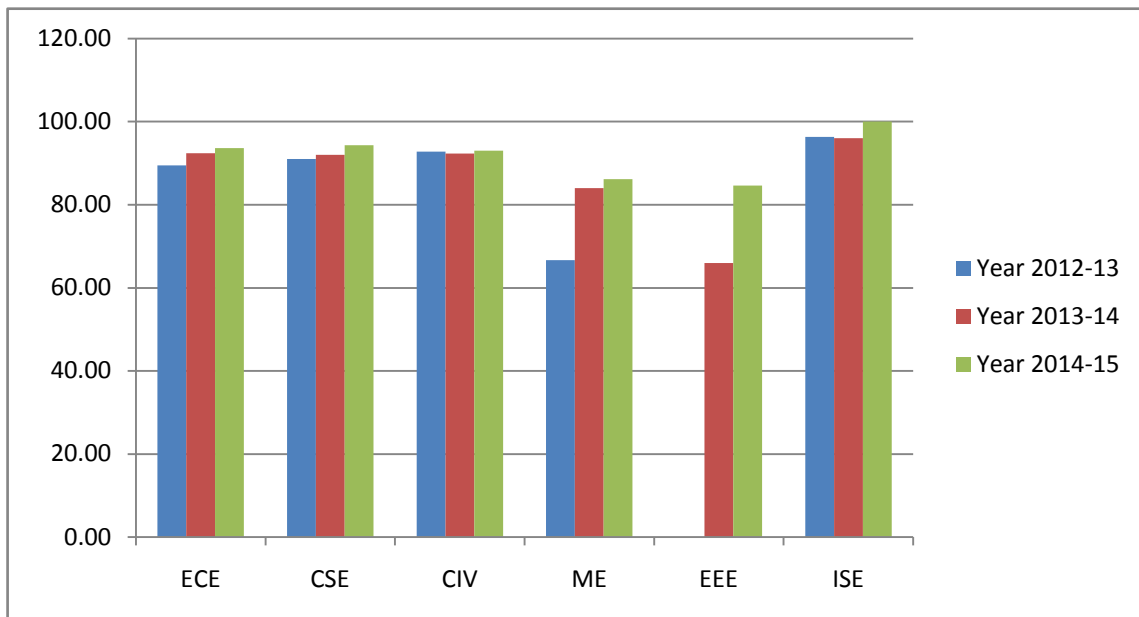
	RV/CRV in Rs	Photocopy
UG	300	400
PG	3000	-

2.6 Student Performance and Learning Outcomes

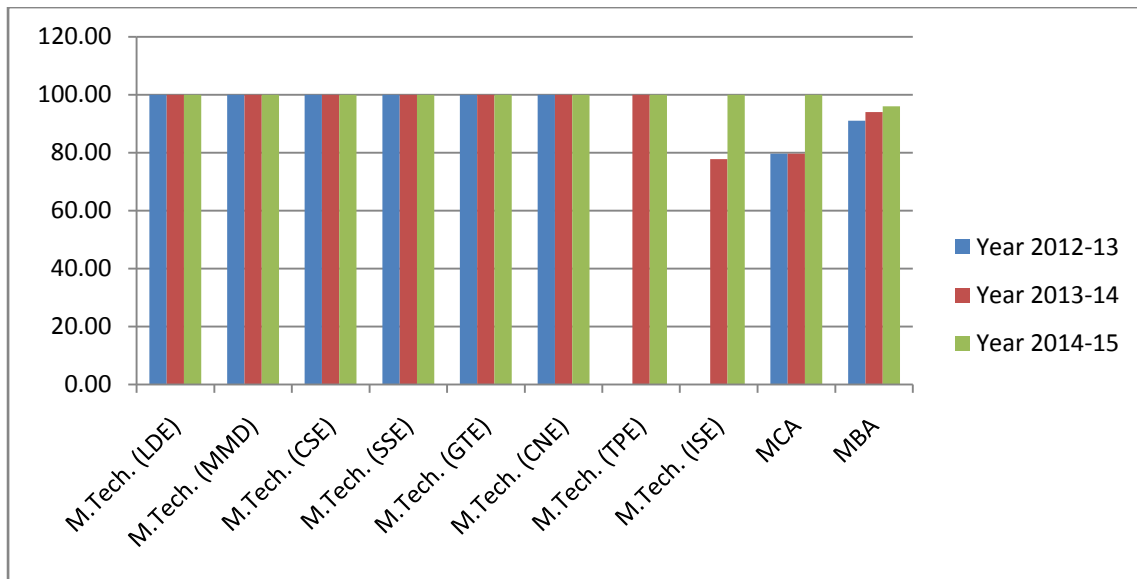
2.6.1 Does the college have clearly stated learning outcomes? If “yes” give details on how the students and staff are made aware of these?

Yes. The learning outcomes are displayed on institute website and department notice boards.

2.6.2 Enumerate on how the Institution monitors and communicates the progress and performance of students through the duration of the course/Programme? Provide an analysis of the student’s results/achievements (Programme/ course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/ courses offered.



UG RESULT ANALYSIS



PG RESULT ANALYSIS

2.6.3 How are the teaching, learning and assessment strategies of the Institution structured to facilitate the achievement of the intended learning outcomes?

The teaching-learning strategies are structured to facilitate the achievement of the intended learning outcomes by designing the academic plan, lesson plan, innovative teaching-learning methods, MOU's with industry and research bodies, industrial visits, exposing them to curricular, co-curricular, extracurricular, project exhibitions in and out of the campus, organizing conference, seminars, workshops, guest lectures, training programmes, which facilitates achievement of learning outcomes.

2.6.4 What are the measures/ initiatives taken up by the Institution to enhance the social and economic relevance (student placement, entrepreneurship, innovation and research aptitude developed among students etc,) of the courses offered?

To enhance the social and economic relevance of the courses offered the measures/ following initiatives have taken.

- ❖ Pre placement training program is provided to the pre final year students
- ❖ MOU's with industries for placement
- ❖ Regular online aptitude tests every week
- ❖ Mock interviews through departmental associations



Entrepreneurship Development Cell maintains the database of business opportunities, processes, technologies etc., and organizes regular lectures, certificate courses.

- ❖ PG students along with UG students in executing projects.
- ❖ Students are regularly motivated to attend conferences, seminars on innovations and research in and outside the campus.

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

Students' performance data is collected through formal and informal channels at different levels. The analysis of the data is done at the HOD's level which helps in planning and overcoming the barriers of learning for achievement of learning outcomes.

2.6.6 How does the Institution monitor and ensure the achievement of learning outcomes.

The learning outcomes achievement is monitored and ensured through the regular informal interaction in the classes, periodic tests, home-assignments, seminar presentations as well as the end term examinations, analyzing the end semester examination results which makes faculty to devise corrective action wherever necessary. The student-centric teaching and learning methods ensure the achievement of learning outcomes.

2.6.7 Does the Institution and individual teachers use assessment/evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If "yes", provide details on the process and cite a few examples.

Yes, the following are few of the examples for evaluating student performance, achievement of learning objectives and planning.

- ❖ Department of Computer Science and Engineering conducted workshop on "NS2 and its Applications." on 2-11-15 and 3-11-15 as per the feedback obtained by students of 2014-15 academic year.
- ❖ Department of Electronics and Communication Engineering conducted workshop on "ARM7 Microcontroller". On 01/10/2015 and 05/10/2015 as per the feedback obtained by students of 2014-15 academic year.
- ❖ Department of Civil Engineering conducted workshop on "Cement and Concrete



Technology.” On 29/02/2016 to 01/03/2016 as per the feedback obtained by students of 2014-15 academic year.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

- ❖ Conduction of Online aptitude test on weekly basis in each program. (TEST ME)
- ❖ Digitalized library in all the Departments.

CRITERION - III

RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the Institution have a Recognized Research Center / s of the affiliating University or any other agency / organization?

Yes, the following research centers are recognized by VTU, Belagavi.

Sl.No	Research Centers
1	Computer Science and Engineering
2	Electronics and Communication Engineering
3	Mechanical Engineering
4	Civil Engineering
5	Physics
6	Chemistry
7	Mathematics
8	Master of Business Administration

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, the Institute has a well formulated research committee. The composition of the committee is given below

Sl. No.	Name of the Faculty	Designation	Department
1	Dr. Channakeshavalu K	Chairman	Principal & Director
2	Dr. Hiremath S G	Member & Convener	Electronics and Communication Engineering
3	Dr. Arun Biradar	Member	Computer Science and Engineering
4	Dr. Maruthi B H	Member	Mechanical Engineering
5	Dr. Nagaswarupa H P	Member	Chemistry
6	Dr. Prashantha S C	Member	Physics
7	Dr. Shivakumar H M	Member	Mathematics
8	Dr. Radhika K N	Member	Civil Engineering
9	Dr. Chandra Moorthy R	Member	MBA
10	Dr. Rajeswari A	Member	MCA



The Recommendations made by the Research Committee are:

- ❖ Recognition of research supervisor
- ❖ To send research proposals to the funding agencies
- ❖ To start a journal
- ❖ To acquire a plagiarism software
- ❖ To start working towards product development and applying for IPRs
- ❖ To verify the progress of research scholars.

Due to encouragement and motivation from research committee

- ❖ 15 faculty members are recognized as research supervisors at VTU, Belagavi.
- ❖ Till date 10 projects have been sanctioned amounting to Rs. 82,15,000/- whereas 06 projects of Rs. 1,54,00,000 have been submitted with different bodies subject to approval.
- ❖ To acquire plagiarism software already proposal has been submitted to VGST.
- ❖ 03 products have been developed where as 03 products are in pipeline. Filing of one IPR is in progress.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes / Projects?

❖ Autonomy of the principal investigator

Principal investigator enjoys the autonomy and he/ she is the prime person implementing the plan of execution of the project. The heads of the departments cooperate with the principal investigator whenever needed.

❖ Timely availability or release of resources

The institution ensures the timely availability of resources for the execution of the projects as per plan.

❖ Adequate infrastructure and human resources

The research centers of the institution are equipped with sophisticated equipments, work space, required technical and administrative staff for the research projects.

❖ Time-off, reduced teaching load, special leave etc. to teachers

Faculty members who pursue research are provided with time off, reduced teaching load, special leave etc.,.



❖ **Support in terms of technology and information needs**

All supervisors are provided with personal computer/ laptops with internet connectivity, LAN, on-line and digital resources etc. Research centers are also equipped with computers, printers and scanners.

❖ **Facilitate timely auditing and submission of utilization certificate to the funding authorities**

The institution employs a Certified Auditor to provide utilization certificate for the expenditure incurred on the project. The service of the Institute administrative staff is extended for the preparation and submission of utilization certificates in time.

❖ **Any other**

Transport and human resource is provided as per the requirement

3.1.4 What are the efforts made by the institutions in developing scientific temper and research culture and aptitude among students?

Students publish their scientific articles in the institution magazine and Institute organizes events such as Technical Paper presentation, workshop, Student Symposium, Seminar, conferences, Project Exhibitions, Software development competitions, Problem solving competitions to develop and promote creativity and critical thinking among the students.

Institute also encourages and guides the students to participate in the National Level Technical Competitions organized by other Institutes and Universities. Institute invites eminent scientists, entrepreneurs and industry resource persons to share their success stories with students.

The Project Exhibition is conducted every year, in which many projects from various disciplines of engineering have been displayed. This is a real motivating factor for the innovative ideas of the students.

Five UG students are associated with one PG student along with a faculty member for creating scientific temperament.

3.1.5 Give the details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)



Sl. No.	Faculty	Guiding details
1.	Dr. Arun Biradar	Guiding UG,PG and Phd students Involved in research projects Engaged in individual/collaborative research
2.	Mr. Prasanna Kumar M	Guiding UG,PG students Engaged in individual/collaborative research
3.	Mr. Rajshekhar S A	Guiding UG,PG students Engaged in individual/collaborative research
4.	Mrs. Sahanadevi K J	Guiding UG,PG students Engaged in individual/collaborative research
5.	Mrs. Chetana Srinivas	Guiding UG,PG students Engaged in individual/collaborative research
6.	Mrs. Mangala C N	Guiding UG,PG students Engaged in individual/collaborative research
7.	Mr. Chandan Raj	Guiding UG,PG students Engaged in individual/collaborative research
8.	Mrs. Manjushree Patel	Guiding UG,PG students Engaged in individual/collaborative research
9.	Mr. Dhanraj	Guiding UG,PG students Engaged in individual/collaborative research
10.	Mr. Deepu S R	Guiding UG,PG students Engaged in individual/collaborative research
11.	Mr. Kiran M	Guiding UG,PG students Engaged in individual/collaborative research
12.	Mr. Sagar B	Guiding UG,PG students Engaged in individual/collaborative research
13.	Mrs. Madhura G Sunil	Guiding UG,PG students Engaged in individual/collaborative research
14.	Mrs. Anusha K L	Guiding UG,PG students Engaged in individual/collaborative research
15.	Mr. Lakshmikantha S	Guiding UG,PG students Engaged in individual/collaborative



		research
16.	Mr. Hemantha Y K	Guiding UG,PG students Engaged in individual/collaborative research
17.	Mr. Prasanna G	Guiding UG,PG students Engaged in individual/collaborative research
18.	Mr. Basavaraj S H	Guiding UG,PG students Engaged in individual/collaborative research
19.	Ms. Shylaja B.R	Guiding UG,PG students Engaged in individual/collaborative research
20.	Mrs. Sunanda V K	Guiding UG,PG students Engaged in individual/collaborative research
21.	Mr. Vinod H.N	Guiding UG,PG students Engaged in individual/collaborative research
22.	Mrs. Poornima T	Guiding UG,PG students Engaged in individual/collaborative research
23.	Mrs. Vinutha S	Guiding UG,PG students Engaged in individual/collaborative research
24.	Mrs. Swetha N	Guiding UG,PG students Engaged in individual/collaborative research
25.	Mr. Harsha A C	Guiding UG,PG students Engaged in individual/collaborative research
26.	Mr. Suhas G K	Guiding UG,PG students Engaged in individual/collaborative research
27.	Mrs. Deepika R	Guiding UG students Engaged in individual/collaborative research
28.	Mrs. Mamatha A	Guiding UG students Engaged in individual/collaborative research
29.	Mrs. Akshata K.L	Guiding UG students Engaged in individual/collaborative research



30.	Mrs. Ramya R.S	Guiding UG students Engaged in individual/collaborative research
31.	Mrs. Vedha C	Guiding UG students Engaged in individual/collaborative research
32.	Mrs. Rashmi H.P	Guiding UG students Engaged in individual/collaborative research
33.	Mrs. Bindushree G	Guiding UG students Engaged in individual/collaborative research
34.	Mrs. Bhagya L.S	Guiding UG students Engaged in individual/collaborative research
35.	Dr. S G Hiremath	Guiding UG,PG and Phd students Involved in research projects, Engaged in individual/collaborative research
36.	Dr.Shashi Kumar R	Guiding UG,PG and Phd students Involved in research projects Engaged in individual/collaborative research
37.	Mr.Anand M	Guiding UG,PG students Engaged in individual/collaborative research
38.	Mr. Kotresh H M	Guiding UG,PG students Engaged in individual/collaborative research
39.	Mr. Santhosh Kumar G	Guiding UG,PG students Engaged in individual/collaborative research
40.	Ms. Manjula B B	Guiding UG,PG students Engaged in individual/collaborative research
41.	Ms. Pramila B	Guiding UG,PG students Engaged in individual/collaborative research
42.	Mr. K sudheendra	Guiding UG,PG students Engaged in individual/collaborative research
43.	Mr. Sandeep R	Guiding UG,PG students Engaged in individual/collaborative research
44.	Mr. Anil N S	Guiding UG,PG students Engaged in individual/collaborative



		research
45.	Ms. Bhagya	Guiding UG,PG students Engaged in individual/collaborative research
46.	Mr. Naveen Kumar B K	Guiding UG,PG students Engaged in individual/collaborative research
47.	Mr. Rohith H S	Guiding UG,PG students Engaged in individual/collaborative research
48.	Ms. Roopashree K M	Guiding UG,PG students Engaged in individual/collaborative research
49.	Ms. Divya B.N	Guiding UG,PG students Engaged in individual/collaborative research
50.	Mr. Naveen V	Guiding UG,PG students Engaged in individual/collaborative research
51.	Ms. Akashya Y M	Guiding UG,PG students Engaged in individual/collaborative research
52.	Ms. Radha J	Guiding UG,PG students Engaged in individual/collaborative research
53.	Ms. Manasa S.	Guiding UG students Engaged in individual/collaborative research
54.	Ms. Vedavathi B S	Guiding UG students Engaged in individual/collaborative research
55.	Mr. Manjunath N	Guiding UG students Engaged in individual/collaborative research
56.	Ms. Namaratha Naikar	Guiding UG students Engaged in individual/collaborative research
57.	Mr. Ramya N K	Guiding UG students Engaged in individual/collaborative research
58.	Ms. Yashshwini	Guiding UG students Engaged in individual/collaborative research
59.	Ms. Ashwini S	Guiding UG students Engaged in individual/collaborative research



60.	Ms. Sneha	Guiding UG students Engaged in individual/collaborative research
61.	Ms. Sushma R	Guiding UG students Engaged in individual/collaborative research
62.	Ms. Vidyashree N	Guiding UG students Engaged in individual/collaborative research
63.	Dr. Suresh M B	Guiding UG,PG and Phd students Involved in research projects Engaged in individual/collaborative research
64.	Mrs. Manjula G	Guiding UG,PG students Engaged in individual/collaborative research
65.	Mr. Jagadisha N	Guiding UG,PG students Engaged in individual/collaborative research
66.	Mrs. Smitha P	Guiding UG,PG students Engaged in individual/collaborative research
67.	Mrs. Savitha T	Guiding UG,PG students Engaged in individual/collaborative research
68.	Mrs. Shruthi T V	Guiding UG,PG students Engaged in individual/collaborative research
69.	Mrs. Usha M V	Guiding UG,PG students Engaged in individual/collaborative research
70.	Mr. Ravikumar J	Guiding UG,PG students Engaged in individual/collaborative research
71.	Mrs. Manjula B S	Guiding UG,PG students Engaged in individual/collaborative research
72.	Mrs. Roopa Mahadev	Guiding UG,PG students Engaged in individual/collaborative research
73.	Ms. Shruthi J	Guiding UG,PG students Engaged in individual/collaborative research
74.	Mr. Hemanth Kumar	Guiding UG,PG students Engaged in individual/collaborative research



75.	Mr. Shashank H P	Guiding UG students Engaged in individual/collaborative research
76.	Ms. Geetha N	Guiding UG students Engaged in individual/collaborative research
77.	Ms. Chethana E	Guiding UG students Engaged in individual/collaborative research
78.	Ms. Vidya K	Guiding UG students Engaged in individual/collaborative research
79.	Ms. Divya K V	Guiding UG students Engaged in individual/collaborative research
80.	Mrs. Mamatha B N	Guiding UG students Engaged in individual/collaborative research
81.	Mr. Suresh Kumar	Guiding UG students Engaged in individual/collaborative research
82.	Ms. Bhavya T	Guiding UG students Engaged in individual/collaborative research
83.	Ms. Rashmi J	Guiding UG students Engaged in individual/collaborative research
84.	Dr. Ramesh BR	Guiding UG, PG and Phd students Involved in research projects Engaged in individual/collaborative research
85.	Dr. Shashi Shekar T R	Guiding UG, PG and Phd students Involved in research projects Engaged in individual/collaborative research
86.	Dr. B R Channappa	Guiding UG, PG students Engaged in individual/collaborative research
87.	Dr. Radhika K N	Guiding UG students Engaged in individual/collaborative research
88.	Prof. Nagaraja Gupta M S	Guiding UG, PG students Engaged in individual/collaborative research
89.	Prof. Ashwini G	Guiding UG, PG students Engaged in individual/collaborative research



		research
90.	Prof Chandisha E V	Guiding UG,PG students Engaged in individual/collaborative research
91.	Prof Geetha K	Guiding UG,PG students Engaged in individual/collaborative research
92.	Prof. Aruna T	Guiding UG,PG students Engaged in individual/collaborative research
93.	Mr. P S Prasanna	Guiding UG students Engaged in individual/collaborative research
94.	Mr. D KalaswamyNaika D	Guiding UG,PG students Engaged in individual/collaborative research
95.	Mrs. Pushpa B L	Guiding UG,PG students Engaged in individual/collaborative research
96.	Mrs. Shruthi H K	Guiding UG,PG students Engaged in individual/collaborative research
97.	Mr. Vinod Shavare	Guiding UG,PG students Engaged in individual/collaborative research
98.	Mrs. Mamatha A	Guiding UG,PG students Engaged in individual/collaborative research
99.	Mr. Vijay Kumar D	Guiding UG,PG students Engaged in individual/collaborative research
100.	Mr. Arun Kumar H R	Guiding UG,PG students Engaged in individual/collaborative research
101.	Mr. Harish C	Guiding UG,PG students Engaged in individual/collaborative research
102.	Mr. Shivakumar M Hosamani	Guiding UG students Engaged in individual/collaborative research
103.	Mrs. Deepa C S	Guiding UG students Engaged in individual/collaborative research
104.	Ms. Sreedevi R	Guiding UG students Engaged in individual/collaborative research



105.	Mrs. Ramyashree	Guiding UG,PG students Engaged in individual/collaborative research
106.	Mr. Raghunandan C Mantri	Guiding UG students Engaged in individual/collaborative research
107.	Ms. Swapna V	Guiding UG students Engaged in individual/collaborative research
108.	Mr. Nagarjuna S	Guiding UG students Engaged in individual/collaborative research
109.	Ms. Shilpa B S	Guiding UG,PG students Engaged in individual/collaborative research
110.	Mr. Girish S	Guiding UG students Engaged in individual/collaborative research
111.	Mr. ManjunathItagi	Guiding UG,PG students Engaged in individual/collaborative research
112.	Mrs. B K Smitha	Guiding UG,PG students Engaged in individual/collaborative research
113.	Ms. Rajeshwari B	Guiding UG students Engaged in individual/collaborative research
114.	Ms. Usha K N	Guiding UG,PG students Engaged in individual/collaborative research
115.	Ms. Soumya R	Guiding UG,PG students Engaged in individual/collaborative research
116.	Mr. Mohan K	Guiding UG,PG students Engaged in individual/collaborative research
117.	Mr. Tejnatha R	Guiding UG,PG students Engaged in individual/collaborative research
118.	Mr. Rakesh C	Guiding UG students Engaged in individual/collaborative research
119.	Mr. Raghuveer N	Guiding UG students Engaged in individual/collaborative research
120.	Mr. Siddesh N	Guiding UG students



		Engaged in individual/collaborative research
121.	Mr. Rohith B E	Guiding UG students Engaged in individual/collaborative research
122.	Mr. Naveen R	Guiding UG students Engaged in individual/collaborative research
123.	Mr. Basavana Gowda	Guiding UG students Engaged in individual/collaborative research
124.	Mrs. Swathi Rani K S	Guiding UG students Engaged in individual/collaborative research
125.	Mrs. Deepthi H O	Guiding UG students Engaged in individual/collaborative research
126.	Ms Kruthika Priyadarshini	Guiding UG students Engaged in individual/collaborative research
127.	Mrs Meghana Prasad	Guiding UG students Engaged in individual/collaborative research
128.	Mrs Shwetha D	Guiding UG students Engaged in individual/collaborative research
129.	Mr Sridhara D G	Guiding UG students Engaged in individual/collaborative research
130.	Mrs Akhila S	Guiding UG students Engaged in individual/collaborative research
131.	Mr Honnegowda	Guiding UG students Engaged in individual/collaborative research
132.	Mr Prakyat	Guiding UG students Engaged in individual/collaborative research
133.	Mrs Divya T S	Guiding UG students Engaged in individual/collaborative research
134.	Mrs Allumella Naveena	Guiding UG students Engaged in individual/collaborative research
135.	Dr.R.Chandra Moorthy	Guiding PG students Engaged in individual/collaborative research
136.	Dr.N.S.Nagesh Roa	Guiding PG students Engaged in individual/collaborative research



137.	Dr.Raghavendra. B. N	Guiding PG students Engaged in individual/collaborative research
138.	Mr.Prathap.B.N	Guiding PG students Involved in research projects Engaged in individual/collaborative research
139.	Mrs. Nethravathi. N	Guiding PG students Engaged in individual/collaborative research
140.	Mr.Sharma K.R.S	Guiding PG students Engaged in individual/collaborative research
141.	Mrs. Sushma.J	Guiding PG students Engaged in individual/collaborative research
142.	Mr.Pavan Kumar.P.V	Guiding PG students Engaged in individual/collaborative research
143.	Ms. Divya H N	Guiding PG students Engaged in individual/collaborative research
144.	Ms. Pavithra.B	Guiding PG students Engaged in individual/collaborative research
145.	Mr. Abhilash	Guiding PG students Engaged in individual/collaborative research
146.	Ms. Sowmya.B	Guiding PG students Engaged in individual/collaborative research
147.	Dr. K Chennakeshavalu	Guiding UG,PG and Phd students Involved in research projects Engaged in individual/collaborative research
148.	Dr. Maruthi.B.H	Guiding UG,PG and Phd students Involved in research projects Engaged in individual/collaborative research
149.	Dr. Sathish Babu B	Guiding UG,PG and Phd students Involved in research projects Engaged in individual/collaborative research
150.	Mr. Chidananda Prasad. R	Guiding UG,PG students Engaged in individual/collaborative research
151.	Mr. Puttaswamaiah.S	Guiding UG,PG students Engaged in individual/collaborative research



152.	Mr. Chandru.B.T	Guiding UG,PG students Engaged in individual/collaborative research
153.	Mr. Guruprasad.H.L	Guiding UG,PG students Engaged in individual/collaborative research
154.	Mr. Punith Gowda.K	Guiding UG,PG students Engaged in individual/collaborative research
155.	Mr. Aravind.K.U	Guiding UG,PG students Engaged in individual/collaborative research
156.	Mr. Rudresh.M	Guiding UG,PG students Engaged in individual/collaborative research
157.	Mr. Santhosh Kumar	Guiding UG,PG students Engaged in individual/collaborative research
158.	Mr. Venkatesh.N	Guiding UG,PG students Engaged in individual/collaborative research
159.	Mr. Harish H	Guiding UG,PG students Engaged in individual/collaborative research
160.	Mr. Rakshith A N	Guiding UG,PG students Engaged in individual/collaborative research
161.	Mr. Gunesh N Ravnkar	Guiding UG,PG students Engaged in individual/collaborative research
162.	Ms. Rohini H.S	Guiding UG,PG students Engaged in individual/collaborative research
163.	Ms. Swethashree.B	Guiding UG,PG students Engaged in individual/collaborative research
164.	Mr. Shivraj J	Guiding UG,PG students Engaged in individual/collaborative research
165.	Mr. Vivekananda prabhu N	Guiding UG students Engaged in individual/collaborative research
166.	Mr. Sreekanth A	Guiding UG,PG students Engaged in individual/collaborative research
167.	Ms. Annapoorna K	Guiding UG students
168.	Mr. Muruli B H	Guiding UG students



		Engaged in individual/collaborative research
169.	Ms. Vijayashree Nagaral	Guiding UG students Engaged in individual/collaborative research
170.	Mr. Nandan M	Guiding UG students Engaged in individual/collaborative research
171.	Mr. Puneeth K S	Guiding UG students Engaged in individual/collaborative research
172.	Mr. Mruthyunjaya Manchali	Guiding UG students Engaged in individual/collaborative research
173.	Mr. Vinay Kumar R	Guiding UG students Engaged in individual/collaborative research
174.	Mr. Anil P	Guiding UG students Engaged in individual/collaborative research
175.	Mr. Krishnakant. Bhole	Guiding UG students Engaged in individual/collaborative research
176.	Mr. Umesh Babu G	Guiding UG students Engaged in individual/collaborative research
177.	Mr. Thippeswamy	Guiding UG students Engaged in individual/collaborative research
178.	Mr. Vithun S N	Guiding UG students Engaged in individual/collaborative research
179.	Mr. Chennakeshava	Guiding UG students Engaged in individual/collaborative research
180.	Mr. Manajunath	Guiding UG students Engaged in individual/collaborative research
181.	Mr. Karthik	Guiding UG students Engaged in individual/collaborative research
182.	Mr. Raghu	Guiding UG students Engaged in individual/collaborative research
183.	Mr. Appaji Gowda B M	Guiding UG students Engaged in individual/collaborative research
184.	Mr. Kodandaram N	Guiding UG students Engaged in individual/collaborative research



185.	Mr. Praveen Kumar M B	Guiding UG students Engaged in individual/collaborative research
186.	Ms.Mallika	Guiding UG students Engaged in individual/collaborative research
187.	Mr. Manoranjan S N	Guiding UG students Engaged in individual/collaborative research
188.	Dr.A Rajeswari	Guiding Phd students Involved in research projects Engaged in individual/collaborative research
189.	Mrs. Sharada K A	Guiding PG students Engaged in individual/collaborative research
190.	Mrs. Revathi R	Guiding PG students Engaged in individual/collaborative research
191.	Mrs.Nagalambika. S	Guiding PG students Engaged in individual/collaborative research
192.	Mr. Praveen K S	Guiding PG students Engaged in individual/collaborative research
193.	Mrs. Nagaveni	Guiding PG students Engaged in individual/collaborative research
194.	Mr. Shailesh Prasad	Guiding PG students Engaged in individual/collaborative research
195.	Mrs. Lakshmi reddy S	Guiding PG students Engaged in individual/collaborative research
196.	Mr. Kaalidoss	Guiding PG students Engaged in individual/collaborative research
197.	Mrs. Suneetha L	Guiding PG students Engaged in individual/collaborative research
198.	Mrs. Vidya S	Guiding PG students Engaged in individual/collaborative research
199.	Ms. Shilpa C	Guiding PG students Engaged in individual/collaborative research
200.	Mrs. Anitha N	Guiding PG students Engaged in individual/collaborative research
201.	Mrs. C S L Madhavi	Guiding PG students



		Engaged in individual/collaborative research
202.	Mr Srinivasan M	Guiding PG students Engaged in individual/collaborative research
203.	Mrs. Manjula Biradar	Guiding PG students Engaged in individual/collaborative research
204.	Dr. Nagaswarupa H.P.	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research
205.	Dr. Prashantha S C	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research
206.	Dr. Shivaram M	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research
207.	Dr. Naveen C S	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research
208.	Dr. Piyush Kumar Pareek	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research
209.	Dr. Raghavendra K	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research
210.	Dr. Harish N	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research
211.	Dr. Raghvendra Kulakarni	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research
212.	Dr. Vijay Kumar C N	Guiding UG / PG / Ph.D students Involved in research projects Engaged in individual/collaborative research

3.1.6 Give the details of workshops / training programmes / sensitization programmes conducted / organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.



Various departments of the Institute periodically organize conferences/ workshops/ training programmes over the academic session to imbibe research culture among faculty and students.

Some of the events of the past are mentioned below.

SI No	Date	Name of the Program/topic	Beneficiaries
1.	17/05/2016	Seminar on research methodology of data collection	25
2.	26/04/2016	Soft processing (Low-Energy production) of advanced inorganic materials for sustainable society	23
3.	5/04/2016	National seminar on recent trends in Geotechnical Engineering	70
4.	29/02/2016 to 01/03/2016	Cement and concrete – an insight to a wonderful world	200
5.	25/2/2016	Faculty Development Program on research methods	59
6.	06/01/2016	Sustainable agriculture through Plant Endophytes and metal oxide nanoparticles	67
7.	18/11/2015 and 19/11/2015	IOT Boot camp	96
8.	30/09/2015 and 1/10/2015	Workshop on “PLC and Its Applications”	45
9.	12/09/2015	Tools and techniques in M and E	62
10.	16/05/2015	SEminar on research methodology of literature review	30
11.	11/05/2015	Guest lecture on research methodologies organisation	148
12.	29/04/2015 and 30/04/2015	National conference on advances in Computer science and engg	157
13.	18/11/2015 and 19/11/2015	Workshop on IOT Boot camp	96
14.	28/03/2015	Luminescence of nanomaterials synthesized via different chemical routes	87
15.	27/03/2015	Battery and their applications to sustainable energy.	75
16.	26/9/2014	Workshop on research thesis writing using Latex Tool	85
17.	02/04/2014 to 3/4/2014	Automobile workshop	63
18.	29/03/2014	Green chemistry for environmental purification	83
19.	29/03/2014	Combustion synthesis of inorganic materials and their applications	79



20.	20/02/2014	“Recent Advances in wireless communication and wireless sensor networks”	35
21.	06/02/2014	“Workshop on VLSI	32
22.	12/11/2013 and 13/11/2013	Seminar On “C# and .NET Technology”.	120
23.	11/11/2013 and 12/11/2013	Workshop on “Web technology”.	112
24.	15/09/2013	Awareness on drugs, alcohol and their problems	87
25.	30/5/2013	National conference on emerging trends in management	73
26.	8/05/2013	Guest Lecture on “Research passion”	45
27.	12/03/2013 and 13/03/2013	Two days National Workshop on Wired, Wireless MANET Simulation using NS2	66
28.	09/03/2013	Seminar on how architectural features affects building during earthquake	80
29.	10/10/2012	Seminar on “Emerging Trends in Computer Science and Engineering	35
30.	18/05/2012 and 19/05/2012	National conference DOCAM	121
31.	27/04/2012 to 29/04/ 2012	National Workshop on Tunneling Mechanics and Underground Excavation	35
32.	28/04/2012	Stokes flow of micropolar fluid past a solid sphere	57
33.	28/04/2012	Rational metric dimension of graphs	47
34.	22/02/2012	Seminar on wireless communication	50
35.	02/05/2011	National Conference on Advances in Electronics and Intelligent Computing	65
36.	01/04/2009	Seminar on “Robotics and a Case study in UAV”	75
37.	19/08/2013 to 22/08/2013	FDP on Micro-Nano Technologies	137

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

The institution has well qualified faculty experts in various domains. The prioritized research areas of the Institution are listed below.



Sl. No.	Name	Area of Expertise
1.	Dr. Nagaswarupa H P	Nano Science
2.	Dr. Prashantha S C	Nano Technology
3.	Dr. Shivram M	Nano Technology
4.	Dr. Niranjana M J	Algebra
5.	Dr. H. M. Shivakumar	Fluid Dynamics
6.	Dr. Naveen C S	Nano Technology
7.	Mr. Stany Miranda	English Literature
8.	Mr. Hoysala Adithya	Kannada Literature
9.	Mr. Anil Kumar M R	Nano Science
10.	Mr. R Gurushantha K	Photocatalysis
11.	Ms. Geetha M C	Graph Theory
12.	Mr. Surendra B S	Organic Chemistry
13.	Mr. Ravikumar C R	Battery Technology
14.	M.A. Shilpa Amulya	Material Science
15.	Mr. Arun Kumar N B	Material Science
16.	Mrs. Bhavya Shivaraj	Fluid Dynamics
17.	Mrs. Umadevi R	Fluid Mechanics
18.	Mrs. Manjula M	Fluid Mechanics
19.	Mrs. Divya S	Finite Element Method
20.	Ms. Kalpana B R	Numerical Methods
21.	Ms. Yogalakshmi S	Graph Theory
22.	Ms. Sheela N	Algebra



23.	Ms. Ashwini. R	Graph Theory
24.	Mr. Jagannath G	Glass Science
25.	Ms. Divya M	Material Science
26.	Mr. Basavaraju N	Material Science
27.	Dr. Arun Biradar	Ad-hoc Networks
28.	Dr. Piyush Kumar Pareek	Software Engineering
29.	Mr. Prasanna Kumar M	Software Engineering
30.	Mr. Rajshekhar S A	Wireless Ad-hoc Networks
31.	Mrs. Sahanadevi K J	Data Mining and warehousing
32.	Mrs. Chetana Srinivas	Image Processing/Big Data
33.	Mrs. Mangala C N	Image Processing/Bigdata
34.	Mr. Chandan Raj	Wireless Sensor Networks
35.	Mrs. Manjushree Patel	Wireless Sensor Networks
36.	Mr. Dhanraj	Computer Networks
37.	Mr. Deepu S R	Cloud Computing, Big data
38.	Mr. Kiran M	Networks / Cloud computing
39.	Mr. Sagar B	Image processing
40.	Mrs. Madhura G Sunil	Image Processing
41.	Mrs. Pooja Nayak	Computer Networks
42.	Mrs. Anusha K L	Image Processing
43.	Mr. Lakshmikantha S	Networking and Internet Engg.
44.	Mr. Hemantha Y K	Cloud Computing / Computer Networks
45.	Mr. Prasanna G	Image Processing



46.	Mr. Basavaraj S H	Networks
47.	Ms. Shylaja B.R	Image Processing
48.	Mrs. Sunanda V K	Wireless Sensor Networks
49.	Mr. Vinod H.N	Data Mining, Image Processing
50.	Mrs. Poornima T	Wireless Sensor Networks
51.	Mrs. Vinutha S	Image Processing
52.	Mrs. Swetha N	Networks
53.	Mr. Harsha A C	Data Mining
54.	Mr. Suhas G K	Image Processing
55.	Mrs. Deepak R	Image Processing
56.	Mrs. Mamatha A	Networks
57.	Mrs. Akshata K.L	Image Processing
58.	Mrs. Ramya R.S	Image Processing
59.	Mrs. Vedha C	Cloud Computing
60.	Mrs. Rashmi H.P	Image Processing
61.	Mrs. Bindushree G	Networks
62.	Mrs. Bhagya L.S	Image Processing
63.	Dr. Suresh M.B	Image Processing
64.	Mrs. Manjula G	Big data
65.	Mr. Jagadisha N	Image Processing
66.	Mrs. Smitha P	ADhoc Networks
67.	Mrs. Savitha T	Image Processing
68.	Mrs. Shruthi T V	Image Processing



69.	Mrs. Usha M V	Cloud Computing
70.	Mr. Ravikumar J	Image Processing
71.	Mrs. Manjula B S	Manets
72.	Mrs. Roopa Mahadev	Network security
73.	Ms. Shruthi J	ADhoc Networks
74.	Mr. Hemanth Kumar	Image Processing
75.	Mr. Shashank H P	Programming Languages
76.	Ms. Geetha N	Data Mining
77.	Ms. Chethana E	Programming Languages
78.	Ms. Vidya K	Image Processing
79.	Ms. Divya K V	Image Processing
80.	Mrs. Mamatha B N	Cloud Computing
81.	Mr. Suresh Kumar	Image Processing
82.	Ms. Bhavya T	Computer Networks
83.	Ms. Rashmi J	Computer Networks
84.	Ms. Neethu Sharma	Cloud Computing
85.	Ms. Kavyashree	Cloud Computing
86.	Mrs. Ramya V Kulkarni	Image Processing
87.	Mrs. Vidya Kumari H.S	Image Processing
88.	Ms. Sushma Kotur	Manets
89.	Mrs. Pavani	Image Processing
90.	Prof. Srinivasa Murthy R V	Power System and High Voltage
91.	Mrs Chinmayi	Power electronics/VLSI Embedded



92.	Mrs Srilakshmi R	Power Systems
93.	Mrs Shruthi B J	Power Electronics
94.	Ms Kruthika Priyadarshini	Digital Electronics
95.	Mrs Meghana Prasad	Digital Electronics
96.	Mrs Shwetha D	Power Electronics
97.	Mr Sridhara D G	Computer Aided Industrial Drives
98.	Mrs Akhila S	VLSI
99.	Mr Honnegowda	Digital Electronics
100.	Mr Prakyyat	Computer Aided Industrial Drives
101.	Mrs Divya T S	Industrial Drives
102.	Mrs Allumella Naveena	Power Systems
103.	Dr.Ramesh B R	Hydrology and Water resources
104.	Dr. Balamurugan	Environmental Science
105.	Dr. Shashi Shekar T R	Environmental Engineering
106.	Dr. Harish N	Geo Technical Engineering
107.	Dr. B R Channappa	Hydrogeology and Environmental Science
108.	Dr. Radhika K N	Hydrogeology and Environmental Science
109.	Prof. Nagaraja Gupta M S	Environmental Engineering
110.	Col. P S Prasanna	Environmental Engineering
111.	Mr. D Kalaswamynaika D	High way engineering
112.	Prof Ashwini G	Pre stressed Concrete Structures
113.	Prof Chandhisha E V	Geo Technical Engineering
114.	Prof Geetha K	Structural Engineering



115.	Mrs. Pushpa B L	Construction Technology
116.	Mrs. Shruthi H K	Structural Engineering
117.	Mr. Vinod Shavare	Structural Engineering
118.	Mrs. Mamatha A	Structural Engineering
119.	Mr. Vijay Kumar D	Structural Engineering
120.	Mr. Arun Kumar H R	Structural Engineering
121.	Mr. Harish C	Deep Foundation
122.	Mr. Shivakumar M Hosamani	High Way Engineering
123.	Mrs. Deepa C S	Water and Waste Water Engineering
124.	Ms. Sreedevi R	Irrigation Engineering
125.	Mrs. Ramyashree	Structural Engineering
126.	Mr. Raghunandan C Mantri	Construction Technology
127.	Ms. Swapna V	Construction Technology
128.	Mr. Nagarjuna S	Geo Technical Engineering
129.	Ms. Shilpa B S	Structural Engineering
130.	Mr. Girish S	Construction Technology
131.	Mr. Manjunathitagi	Pre stressed Concrete Structures
132.	Mrs. B K Smitha	Structural Engineering
133.	Ms. Rajeshwari B	Transportation Engineering
134.	Ms. Usha K N	Structural Engineering
135.	Ms. Soumya R	Geo Technical Engineering
136.	Mr. Mohan K	Structural Engineering
137.	Mr. Tejnatha R	Geo Technical Engineering



138.	Mr. Rakesh C	Geo Technical Engineering
139.	Mr. Raghuveer N	Environmental Engineering
140.	Mr. Siddesh N	Structural Engineering
141.	Mr. Rohith B E	High way engineering
142.	Mr. Naveen R	Structural Engineering
143.	Mr. Basavana Gowda	Structural Engineering
144.	Mrs. Swathi Rani K S	Structural Engineering
145.	Mrs. Deepthi H O	Earth Quake Resistant structure
146.	Dr. Hiremath S G	Signal Processing & Neural Network Modelling
147.	Dr. Shashi Kumar R	VLSI
148.	Dr. Raghavendra Kulakarni	Image Processing
149.	Dr. Vijay Kumar C N	Image Processing
150.	Prof. Anand M	Image Processing
151.	Mr. Kotresh H M	Embedded VLSI
152.	Mr. Santhosh Kumar G	Image Processing
153.	Ms. Manjula B B	VLSI and embedded
154.	Mr. Pramila B	Image Processing and Fuzzy logic
155.	Mr. K Sudheendra	Power electronics
156.	Mr. Sandeep R	Network Communication
157.	Mr. Anil N S	Image Processing
158.	Ms. Bhagya	VLSI and embedded
159.	Mr. Naveen Kumar B K	Digital electronics
160.	Mr. Rohith H S	VLSI and embedded



161.	Ms. Roopashree K M	General electronics
162.	Ms. Divya B.N	Digital Electronics
163.	Mr. Naveen V	Digital Electronics
164.	Ms. Akashya Y M	Digital Electronics
165.	Ms. Radha J	Communication and Networking
166.	Ms. Manasa S.	VLSI and Embedded
167.	Ms. Vedavathi B S	Digital Electronics
168.	Ms. Manjunath N	VLSI and Embedded
169.	Mr. Namaratha Naikar	Digital Electronics
170.	Ms. Ramya N K	VLSI and Embedded
171.	Ms. Yashshwini	Digital Electronics
172.	Ms. Ashwini S	Digital Electronics
173.	Ms. Sneha	Communication systems
174.	Ms. Sushma R	VLSI and Embedded
175.	Ms. Vidyashree N	VLSI and Embedded
176.	Dr.Channakeshavalu K	Composite Materials
177.	Dr. Maruthi.B.H	Design of rotor disc
178.	Dr. Sathish Babu B	Composite Materials
179.	Dr. Raghavendra K	Composite Materials
180.	Mr. Chidananda Prasad. R	Composite Materials
181.	Mr. Puttaswamaiah.S	Composite Materials
182.	Mr. Chandru.B.T	Vibrations
183.	Mr. Guruprasad.H.L	Polymer Matrix Composites



184.	Mr. Punith Gowda.K	Metal Matrix Composites
185.	Mr. Aravind.K.U	Composite Materials
186.	Mr. Rudresh.M	Residual Stress Analysis
187.	Mr. Santhosh Kumar	Composites Materials
188.	Mr. Venkatesh.N	Bio Materials
189.	Mr. Harish H	IC Engines
190.	Mr. Rakshith A N	Composite Materials
191.	Mr. Gunesh N Ravnkar	Thermal Barrier Coating
192.	Ms. Rohini H.S	Design of Rotor Disc
193.	Ms. Swethashree.B	Composite Materials
194.	Ms. Shivraj J	Composite Materials
195.	Mr. Vivekananda Prabhu N	Composite Materials
196.	Mr. Sreekanth A	Vibration Materials
197.	Ms. Annapoorna K	Polymer Matrix Composites
198.	Mr. Muruli B H	Metal Matrix Composites
199.	Mr. Vijayashree Nagaral	Composite Materials
200.	Mr. Nandan M	Residual Stress Analysis
201.	Mr. Puneeth K S	Composites Materials
202.	Mr. Mruthyunjaya Manchali	Bio Materials
203.	Mr. Vinay Kumar R	IC Engines
204.	Mr. Anil P	Composite Materials
205.	Mr. Krishnakant. Bhole	Thermal Barrier Coating
206.	Mr. Umesh Babu G	Design of rotor disc



207.	Mr. Thippeswamy	Composite Materials
208.	Ms. Vithun S N	Composite Materials
209.	Mr. Chennakeshava	Composite Materials
210.	Mr. Manajunath	Vibrations
211.	Mr. Karthik	Polymer Matrix Composites
212.	Mr. Raghu	Metal Matrix Composites
213.	Mr. Appaji Gowda B M	Composite Materials
214.	Mr. Kodandaram N	Residual Stress Analysis
215.	Mr. Praveen Kumar M B	Composites Materials
216.	Ms. Mallika	Bio Materials
217.	Mr. Manoranjan S N	IC Engines
218.	Dr. R Chandra Moorthy	Human Resource
219.	Dr. N S Nagesh Roa	Operations Management
220.	Dr. Raghavendra B N	Economics
221.	Mr.Prathap B N	Finance
222.	Mrs. Nethravathi N	Human Resource
223.	Mr.Sharma K R S	Finance
224.	Mrs. Sushma.J	Marketing
225.	Mr.Pavan Kumar.P.V	Marketing
226.	Ms. Divya H N	Marketing
227.	Dr. A Rajeswari	Algebra
228.	Mrs. Sharada K A	Manets in Wireless Sensor Networks
229.	Mrs. Revathi R	Data Analysis



230.	Mrs.Nagalambika. S	Data Analysis and cloud computing
231.	Mr. Praveen K S	Data Mining and Data Warehousing
232.	Mrs. Nagaveni	Data Analysis
233.	Mr. Shailesh Prasad	Software Engineering
234.	Mrs. Lakshmi Reddy	Java
235.	Mr. Kaalidoss	Networking
236.	Mrs. Suneetha L	Networking
237.	Mrs. Vidya S	Software Engineering
238.	Ms. Shilpa C	Big data
239.	Mrs. Anitha N	Cloud Computing
240.	Mrs. C S L Madhavi	Software Engineering
241.	Mr. Srinivasan M	Software Testing
242.	Mrs. Manjula Biradar	Software Engineering
243.	Mrs. Mrudula Mittal	Software Engineering

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The professional associations of the departments are active in organizing the guest lectures, technical symposium, seminars, conferences, workshops, hands-on training and exhibitions, which aims at bringing the academicians and researchers from other institutions/ organizations.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

1% of staffs have utilized sabbatical leave for research activities. The knowledge is shared among the students to enhance the research culture.



3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/ advocating/ transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

- ❖ Patent - 01
- ❖ Textbooks -16
- ❖ Book Chapters - 08
- ❖ Products Developed -03
- ❖ Consultancy - 20

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

2% of the total budget is earmark for research. The details of budget allocation and utilization are given below.

Details	Financial Year	Financial Year	Financial Year	Financial Year
	2015-16	2014-15	2013-14	2012-13
Infrastructure	278876	434459	922659	2477835
Equipment	1005000	2767979	1806566	2742321
Recurring expenses	41500	112340	290297	240037
Organizing conferences Seminars Workshops	1,03,000	1,77,000	1,18,000	1,84,000
Softwares	75897	150000	110287	153534
R and D Allowances	8,99,736	896340	900000	846000
E-Journals	1496000	384237	616656	-
Total	2328112	4921955	4764465	5882327

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

Yes, Rs. 36 lakhs has been disbursed, 7.5% of faculty has availed in last 4 years.

3.2.3 What are the financial provisions made available to support student research projects by students?

The financial provision of Rs. 5,000 - 50,000/- is available for the support of student research project.



3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

As and when the requirement arises from the students and faculty, it is brought to the notice of the HOD. The HOD in turn discusses the issues in the HOD's meeting and faculty members are identified with the specified expertise.

Academic Year: 2015-16

Sl. No.	Name of the Project/Publication	Faculty / Student	Dept.
1	Nickel hydro oxide reinforced with nano metal oxides: Enhancing their electrical peoperties for super capacitor applications	Prof. Nagaswarupa H P	BSH
		Yogesh C	EEE
		Narayana K	
2	Green synthesis of rare earth doped Mg ₂ SiO ₄ for WLED's	Dr. Prashantha S.C	BSH
		Vyshak	CSE
		Shruthi S S	ISE
3	Secured Data Sharing Using Composite Key Cryptosystem	Dr. Suresh M B	ISE
		Chethan S K	CSE
4	Auto Irrigate Based On Need And Collect Irrigation Data For Data Mining Application	Prof. Jagadisha N	ISE
		and Dr. Ramesh B R	
			CIV
		Vikas gowda	CSE
5	Increasing the electrical properties of Nickel by using nano based oxide-materials in super capacitor applications	Ravikumar CR	BSH
		and Sridhar D G	EEE
		Chandrakala G	EEE
		Pooja V M	
		Rekha R H	
		Shwetha R	



Academic Year: 2014-15

Sl. No.	Name of the Project/Publication	Faculty / Research Scholar	Dept.
1	Analysis Of Color Features Using The Content Based Image Retrieval Approach	Dr. Suresh M B	ISE
		Divya K V	CSE
2	Ordinal Feature Selection For Iris And Palm Print Recognition	Prof. Jagadisha N	ISE
		C Suresh Kumar	CSE
3	Accurate Iris Recognition At A Distance Using Stabilised Iris Encoding And Zernike Moents Phase	Prof. Jagadisha N	ISE
		Gopinath T	CSE
4	Text Detection And Extraction From Images And Video	Dr. Suresh M B	ISE
		Lucy Lalmceanchhu rngi	CSE
5	Mrc Comparision Of Text Document Image Using 4.264/Avc	Prof. Shruthi T V	ISE
		M P Vidya	CSE
6	Balancing The Performance , Accuracy And Precision For Secure Cloud Transaction	Prof. Jagadisha N	ISE
		Mohan Kumar L A	CSE
7	Exploiting Long Term Connectivity Of Multi Person Tracking Using Sgcrf	Prof. Smitha P	ISE
		Nandasri D	CSE
8	Improved Ask Algorithm For Mining Privacy Preserving Assw	Prof. Manjula G	ISE
		Pavan M N	CSE

Academic Year: 2013-14

Sl. No.	Name of the Project/Publication	Faculty / Research Scholar	Dept.
1	Recovery of Metals from Grinding Wastes by Chemical Method	Dr. Nagaswarupa H.P.	BSH
		Mahesh .C.	Mechanical
		J. Charles Avinash	Mechanical

Academic Year: 2012-13

Sl. No.	Name of the Project/Publication	Faculty / Research Scholar	Dept.
1	Recovery of Metals from Grinding Wastes by Chemical Method	Dr. Nagaswarupa H.P.	BSH
		Mahesh .C	Mechanical
		J. Charles Avinash	Mechanical



3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

All labs have equipments which lead to research is utilized to the fullest by UG, PG and PhD students. The labs are made available from 8.30 am to 8.00 pm

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.

Yes, institution has received grants from many organizations for upgrading the research facilities and also to procure latest equipments and the details about such major prestigious assignments are as follows:

Sl. No.	Department	Grant/finances received from	Title of the Project	Total Amount	Year
1	BSH	VGST, Govt. of Karnataka	Development of Nano metal borates for battery and super capacitor applications”	40,000/-	2015-16
2	BSH	VGST	Development of novel Nanophosphor materials for dosimetry and display Applications	2000000.00	2014-15
3	CSE	MODROBS, AICTE, New Delhi	Modernization of Electronic circuit and LD and Micro Processor Laboratory for Graduate and Post Graduate courses	895000.00	2013-14
4	BSH	VGST	Green Synthesis of rare earth (Re3+) doped forsterite for WLEDs using palnt latex	40000.00	2013-14
5		VGST, Dept. of IT, BT, and ST, GOK	Recovery of Metals from Grinding Wastes	40000.00	2012-13



			by Chemical Method		
6		VGST, Dept. of IT, BT, and ST,GOK	Development of Low Cost Nano-Particles for corrosion resistance studies	3000000.00	2012-13
7	ECE	MODROBS, AICTE, New Delhi	Modernization of Advanced embedded / DSP Lab	900000.00	2012-13
8	Mechanical	MODROBS, AICTE, New Delhi	Material science and Metallurgical Testing laboratory	700000.00	2011-12
9	BSH	VGST, Dept. of IT, BT, and ST, GOK	Study of Dusty viscous fluid flows	400000.00	2010-11
	Total			8015000.00	

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organization. Provide details of ongoing and completed projects and grants received during the last four years.

Faculty members have received grants from various funding agencies like AICTE, VGST. Institute provides all resources, financial support, manpower and conducive environment for the faculty members who are into the research.

Nature of the Project	Duration Year From To	Title of the project	Name of the funding agency	Total Grant		Total grant received till date
				Sanctioned	Received	
Minor projects	19/08/2013 to 22/08/2013	Micro Nano Technology in Small Satellites.	VTU – VGST	2,00,000/-	2,00,000/-	2,00,000/-
Major projects	2009-10 to 2010-11	Study of Dusty Viscous Fluid Flows.	VGST, Dept. of IT, BT, & ST, GOK	4,00,000/-	4,00,000/-	4,00,000/-
	2012-13 to 2015-16	Development of Low Cost Nano-Particles for Corrosion Resistance Studies.	VGST, Dept. of IT, BT, & ST, GOK	30,00,000/-	20,00,000/-	20,00,000/-
	2014-15 to 2017-18	Development of novel	VGST, Dept. of IT, BT, &	20,00,000/-	10,00,000/-	10,00,000/-



		Nanophosphor materials for Dosimetry and display Applications.	ST, GOK			
Interdisciplinary projects	2015-16	Increasing the electrical properties of Nickel by using nano based oxide-materials in super capacitor applications	Institution	23000	23000	23000
Industry sponsored	2015-16	An internship report on Pile foundation analysis banaglore metro UG-1 and UG-2	Soma buiders	20500	20500	20500
	2015-16	On-Board software simulators	Isro satellite center	21000	21000	21000
	2015-16	Optical transmission system	BSNL	22000	22000	22000
	2015-16	Compression technique using efficient XML in communication middleware	BEL	21500	21500	21500
	2015-16	Lead acid batteries	KRSNA Electro energies pvt ltd.	21750	21750	21750
	2015-16	Design of peristaltic pump and piston pump	Swami design solutions	23500	23500	23500
	2015-16	Kannada character recognision	IISC Bangalore	23100	23100	23100
	2015-16	Upgradation of NBL rotor fan wlding using seimens PLC with additional features	BOSCH ltd.	24300	24300	24300
	2015-16	DSBSC modulation and demodulation using system generator	BEL	23250	23250	23250
	2015-16	Reactive power compensation for renewable energy generation using FACTS	KPTCL, bangalore	23500	23500	23500
	2015-16	Automation of diesel generator with reports on the DG parameters with GUI	M/S Sourish Automation , kengeri, bangalore	23300	23300	23300
	2015-16	Secure and	KAITEN	21500	21500	21500



		dynamic multi keyword ranked search scheme on encrypted cloud data	Technologies			
2015-16		Secure trasmission to remote groups	NAL	18500	18500	18500
2015-16		PLC based intelligent water distribution and quality monitoring system with GUI reports	M/S Sourish Automation , kengeri, bangalore	22500	22500	22500
2015-16		G 6 storey residential apartment at mysore	e-construct design and build pvt ltd.	23350	23350	23350
2015-16		Analysis design and proof checking of RC structures	Civil Aid tehnologies	13500	13500	13500
2015-16		Analysis and design of residential buildings	Adarsh developers	23450	23450	23450
2015-16		An internship report on excavation methods and lateral supporting system	Karnataka test home	18500	18500	18500
2015-16		An internship report on litetature survey on time effects on Pile capacity	Sorathi technologies	23450	23450	23450
2014-15		Design and implementation of fiber optic voice modem	BEL, Bangalore	16250	16250	16250
2014-15		Semi automation of magnetic separator for sanding Grog machine	BHEL pvt ltd.	18500	18500	18500
2014-15		Developing vehicular data cloud service in IOT environment	Mind Logic	17500	17500	17500
2014-15		Visual cryptography	Syslog Technologies	22500	22500	22500
2013-14		Vehical parking security system	Global logica technologies	22500	22500	22500
2013-14		NEOD: Network embedded online disaster	Effent technologies	17500	17500	17500
2013-14		A secure intrusion detection system for MANETS	Kaiten Technologies	18500	18500	18500
2013-14		Warning system	HAL	23550	23550	23550



		for pilot in jaguar Aircraft	technologies			
	2013-14	CAN bus protocol convertors	DRDO	25500	25500	25500
	2013-14	Engineering optimization tool development	ABB	18500	18500	18500
Students' research projects	2014-15	Semi automation of magnetic separator for sanding Grog machine	BHEL pvt ltd.	40,000/-	40,000/-	40,000/-
	2014-15	Developing vehicular data cloud service in IOT environment	Mind Logic	40,000/-	40,000/-	40,000/-
	2014-15	Visual cryptography	Syslog Technologies	5,000/-	5,000/-	5,000/-
Any other (specify)	2014-15	Aircraft area detection	BEL	7,00,000/-	7,00,000/-	7,00,000/-
	2014-15	Radar system analysis using Mat lab	LRDE, bangalore	9,00,000/-	9,00,000/-	9,00,000/-
	2014-15	HDR QPSK modulator in X-Band using microstrip lines for satellite communication	ISRO, Bangalore	125000/-	125000/-	125000/-
	2013-14	Design of press tool to improve productivity and to reduce consumption of raw materials for bushes	Kenna metal India Ltd.	255000/-	255000/-	255000/-

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

All the research laboratories of the respective departments, departmental labs, central and departmental library are available to the students and research scholars within the campus

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The institution welcomes and always ready to upgrade the labs, equipments and infrastructure facilities to meet the needs of researchers in the shortest duration of time.

The funds received from MODROBS and other funding agencies are utilized to upgrade &



create infrastructural facilities to meet the needs of the research scholars.

3.3.3 Has the Institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'Yes', what are the instruments/facilities created during the last four years.

Yes, institution has received grants from AICTE for creating research facility mainly to upgrade facilities; the details about such major assignments are as follows:

S#	Department	Grant - in - Aid received from	Instruments/Facilities	Academic Year
1	CSE	MODROBS, AICTE, New Delhi	Modernization of electronic circuit and LD and micro processor Laboratory for graduate and post graduate courses	2013-14
2	ECE	MODROBS, AICTE, New Delhi	Modernization of advanced embedded / DSP Lab	2012-13
3	Mechanical	MODROBS, AICTE, New Delhi	Material science and Metallurgical testing laboratory	2011-12

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Sl.No.	Institution/Industry	Area of Research
1	KPTCL	Power Systems
2	Sourish Automation	PLC
3	IISC	Image processing, Networking, Materials characterization, embedded system, FPGA
4	BEL	RADAR, FPGA, Patient monitoring
5	BOSCH	Fuel monitoring and PLC
6	ISRO	Satellite Communication, RF Amplifier
7	NAL	FPGA



8	LRDE	IP
9	HAL	USB Drives
10	RVCE	Plagiarism
11	Dr. AIT	Plagiarism, big data with image processing
12	SIT	Plagiarism
13	AMC	Plagiarism
14	Reva university	Plagiarism
15	Bangalore University	Wireless Communication
16	Pragmatic Embedded solutions	Embedded Systems
17	Merlinhawk Aerospace Pvt Ltd	Aerospace
18	4 Semi Technology India Pvt Ltd	Analog communications, SOC, GSM
19	DRDO	High Voltage
20	Bharathiyar University	Data mining and warehousing
21	Swami ramanand theerthe marathwada university	Genetics algorithm
22	Texcel automation pvt ltd	PLC
23	Foremen training institute	Protective Relays and circuit breakers
24	DRDO	High Voltage
25	CINOV Technologies	Analysis and design of buildings
26	Econstruct design and build pvt limited,	Analysis and design of buildings
27	Shilpi design and engineering,	Analysis and design of buildings
28	Cinox technologies,	Analysis and design of buildings
29	Ray Builtech	Analysis and design of buildings
30	Adarsh developers	Analysis and design of buildings



31	VS consultants	Industrial training
32	CDM smith consultants	Highway project
33	Manasa consultants	Analysis and design of buildings
34	Chetana consultants services pvt limited	Analysis and design of buildings
35	Synergy property development services pvt limited	Analysis and design of buildings
36	Civil aid techno clinic	Analysis, design and proof checking of RCC structures
37	Arvind infrastructure	Analysis and design of buildings
38	Naksha engineers	Analysis and design of buildings
39	International architectural systems	Analysis and design of architectural buildings
40	KNS Infrastructure Pvt. Ltd,	Analysis and design of industrial buildings
41	Sarathi geo tech and Engg service Pvt Ltd	Design of pile foundation
42	Karnataka Test house Pvt Ltd	Soil investigation and field testing
43	Deccan Engineers	Soil investigation and micro pile designs
44	Geo frontiers	Soil investigation and field testing

Research scholars whose supervisors are in other institutions are allowed to avail the research facilities available in those institutions. Institution has signed MoUs with various industries covering activities like collaborative projects, research projects, training, placement, development of training facilities for students, guest lectures, participation in technical events etc.

3.3.5 Provide details on the library / information resource centre or any other facilities available specifically for the researchers?

E-journal Details: University E-Consortium which consists of all the e-journals required for the academics.

Access to IISc, IEI library

NPTEL Lectures: 400+ Videos are available for the research scholars.



EDUSAT Lectures: This is conducted as per the university timetable and separate edusat fully equipped seminar hall/ classrooms.

All the departments have their own digitalized library

All major equipments available for research in research labs and other labs

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Institution has established the following collaborative research facilities in the campus.

Sl.No.	Name of the lab created
1	Physics research lab
2	Chemistry research lab
3	Mathematics research lab
4	Electronics and Communication Engineering research lab
5	Computer Science and Engineering research lab
6	Mechanical Engineering research lab
7	Civil Engineering research lab
8	MBA research lab

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- **Patents obtained and filed (process and product):** One (filed)
- **Original research contributing to product improvement:** One
- **Research studies or surveys benefiting the community or improving the services**

SI No	Name of the innovative Project benefiting the community	Dept
1	Energy auditing in EWIT Campus using PLC	EEE
2	Assistance for handicap using MEMS accelerometer	ECE



3	Bus detection device for blind using passive RFID application	ECE
4	Remote keyless entry system and anti theft cars using an android based smart phone	ISE
5	Capturing and uploading property photo	ISE
	with GPS coordinates	
6	Vehicle parking security system	ISE
7	Wind mill	Mech
8	Solar power lighting	Mech
9	Ragi thrusher	Mech
10	Kannada character recognition	ECE
11	Implementation of vedic multiplier using kogge stone adder	ECE
12	Use of building demolition wastes in concrete	Civil
13	Porous concrete for pavements	Civil
14	Bio diesel production using waste oil	Civil
15	Strength improvement of BC soil using Geo textiles	Civil
16	Soil stabilization using textiles materials and solid wastes	Civil
17	Replacement of sand with Msand for filler materials for strength improvement of soil.	Civil
18	Replacement of cement by using geo polymer concretes	Civil
19	Improvement of seepage by using geo polymers textiles and natural coir fiber	Civil
20	Recovery of metals from grinding wastes by chemical method	BSH
21	Green synthesis of rare earth doped Mg_2SiO_4 for WLED's	BSH
22	Nickel hydro oxide reinforced with nano metal oxides: Enhancing their electrical peoperties	BSH



	for super capacitor applications	
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▪ **Research inputs contributing to new initiatives and social development**

SI No	Name of the Projects contributing to social development
1	Grading of rice grains by image reputation
2	Waste separation using smart dustbin
3	Automation of drip irrigation system
4	My Privacy, my decision control of photo sharing on online social networks
5	Plastic fuel
6	Eco-papers recycling bin
7	Civic wet waste smart bin

3.4.2 Does the institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

Yes, the institute has published Asia Pacific Journal of Research an international journal bearing an ISSN: 2320-5504 the expenditure for publishing journal is Rs.1,23,568/- and Materials Today: Proceedings an international journal bearing an ISSN: 2214-7853 the expenditure for publishing journal is 102000/-.

The following are the composition of editorial board member.

Asia Pacific Journal of Research editorial board

<p>Dr B Krishna Reddy Former Registrar, Former Regional Director of NCTE, Professor and Head, SKIM, Sri Krishnadevaraya University, Anantapur.</p>	<p>Dr R Subramanian Director, Mind Biz Pvt Ltd, Govt of India.</p>
<p>Dr T M Geetha Professor, School of Education, Karnataka State Women's University, Bijapur.</p>	<p>Dr R Venkatamuni Reddy Research Director, Acharya B School, Bangalore.</p>
<p>Dr Badiuddin Ahmed Professor and Head, School of Commerce and Business</p>	<p>Dr K Rajesh Kumar Professor, Department of MBA, Dayananda Sagar Institution of</p>



Management, Maulana Azad National Urdu University, Hyderabad.	Engineering, Bangalore.
Dr G Venkatachalam Academic Consultant, Department of Commerce, Vikrama Simhapuri University Post-Graduate Centre, Kavali.	Dr. B Ravichandra Reddy Professor, Department of MBA, New Horizon Institution of Engineering, Bangalore
Dr Muhammad Asif Post Doctoral Fellow School of Management and Governance, University of Twente, The Netherlands.	Dr Prasanna Kumar Professor and Head, Department of MBA, Sri Revana Siddeswara Institute of Technology, Bangalore.
Dr D Pavan Kumar Thai Nippon Steel ,Thailand.	Dr E Jalaja Principal, Netaji School of Management, Hyderabad
Dr E Eswara Reddy Principal, Sushruti Institute of Management Studies, Bangalore.	Dr C Sivashanmugam Professor and Head, Department of MBA, AMC City Engineering Institution Bangalore
Dr. Dinesh Rangappa Chairman: ICNANO-2016 Professor & Chairman, Dept. of Nanotechnology, VTU, Muddenahalli, Chikkaballapura	Dr. Nagaswrupa H.P Convener: ICNANO-2016 Professor & Head, Department of Chemistry, East West Institute of Technology, Bangalore – 560091
Dr. Prasanna D. Shivaramu Organizing Secretary: ICNANO-2016 Dept. of Nanotechnology, Visvesvaraya Technological University, Muddenahalli, Chikkaballapur	

3.4.3 Give details of publication by the faculty and students:

- Publication per faculty: 3
- Number of papers published by faculty and students in peer reviewed journals (national / international : 767



- Number of publications listed in International Database (for Eg: Web of Science , Scopus, Humanities International Complete , Dare Database – International Social Sciences Directory, EBSCO host, etc.): 387
- Monographs: 07
- Chapter in Books: 08
- Books Edited: 15
- Books with ISBN/ISSN numbers with details of publishers

Sl. No.	Name of the faculty	Name of the books published	ISBN/ISSN	Publisher
1	Prof. Srinivasamurthy R V	Basic Electrical Engineering	81-88849-01-4	Sanguine technical publisher
2	Prof. Srinivasamurthy R V	Network Analysis	81-88849-02-2	Sanguine technical publisher
3	Prof. Nagaraja Gupta M S	Simple studies for elements of Civil Engineering and Engineering Mechanics	-	Vinayaka publishers
4	Prof. Nagaraja Gupta M S	Solved question papers for elements of Civil Engg.	-	Eminent publisher
5	Prof. Nagaraja Gupta M S	Solved question papers for strength of materials.	-	Eminent publisher
6	Dr. Nagaswarupa H P	Chromium Removal Using Activated Carbon	ISBN-13: 978-3659 677342 ISBN-10: 36596773 45	Lambert Academic Publishing
7	Prof. Prathap B N	Investment Analysis	ISBN-978 -93-5163-874-2	Thakur Publishing House
8	Dr. Nagaswarupa H P DR. PRASHANTH S C	Green combustion route using plant latex	ISBN-13: 978-3-659 -57130-5	Lambert Academic Publishing



9	Dr. Nagaswarupa H P	Zircon Composites: Fundamentals and Its Corrosion Studies	ISBN-13: 978-369-9 719864 ISBN-10: 36397198 67	Scholars' Press
10	Dr. Yogish H K	Unix system programming with C/C++	-	PRISM
11	Dr. Prashanth S C	Swift Heavy Ions-its fundamental abd applications in Luminescence	ISBN:978 -3-639-85 979-9	Scholars' Press
12	Dr. Piyush Kumar Pareek	Ergonomics	ISBN: 978-3-659 -285-28-8	Lap Lambert Publication, Germany
13	Dr. Piyush Kumar Pareek	Optimization of Energy Consumption	ISBN:978 -3-659-32 199-3	Lap Lambert Publication, Germany

▪ **Citation Index, SNIP, SJR, Impact Factor and h-index:**

Dept	No. of papers in Journals	Google	Total no. of Citation index		SNIP	SJR	Impact factor range	h-index
			TOTAL	Scopus				
BSH	196	491	30		-	--	1-6	1-15
ECE	55		0-2	-	-	--	1.59-2.39	01
CSE	187		1-15	-	-	-	1-4	1-13
ISE	56		-		-	--	1-3	-
CIV	21		75-85	-	-	--	0-2	2
Mechanical	150		0-2	-	-	-	0-1	-
EEE	55		1-12		-	-	1-4	-
MCA	18		1-10	-	--	-	0-3	-
MBA	19		1-13	-	-	-	1-4	-

3.4.4 Provide details (if any) of

▪ **Research awards received by the faculty:**

Sl. No	Faculty Name	Awards / Recognition
1	Ms. Srilakshmi R	GRET-Citation award
2	Mr. Anand M	Best Paper Award
3	Ms. Manjula B B	Best Paper Award
4	Ms. Sahanadevi	Best Paper Award
5	Ms. Chethana Srinivas	Best Paper Award
6	Ms. Mangala C N	Best Paper Award



7	DR. K N Radhika	2nd Best Paper Award
8	Ms. Sridevi R	Best Paper Award
9	Mr. Prathap B N	02 Best Paper Award
10	Dr. Shashi Kumar R	Best Paper Award
11	Dr. Prashanth S.C.	Certificate of Excellence for the year 2012 – 2013
12	Dr. Nagaswarupa H.P.	Certificate of Excellence for the year 2012 – 2013
13	Dr. Nagaswarupa H.P.	Senior Scientist Award
14	Dr. Nagaswarupa H.P.	Outstanding Service Award (Silver Category)
15	Dr. Nagaswarupa H.P.	Best Faculty Chapter Award 2012
16	Dr. Nagaswarupa H.P.	Second Best Paper Award
17	Dr. Nagaswarupa H.P.	Best guide award
18	Ms. Manjula B B	Special contribution award for guiding students (Mentor graphics)
19	Mr. Ravichandra	Special contribution award for guiding students (Mentor graphics)
20	Dr. Prashanth S C	Best paper Award
21	Mr. Gurushanth K	Best paper Award

- **Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally:**

Sl. No.	Faculty Name	Recognition Received
1	Dr. K Channakeshavalu	BoE, Mech Board VTU, GC Member VTU Nominee, Staff Selection Committee, VTU Nominee
2	Dr. Nagaswarup H P	Chairman of BoE(Nanotechnology), Member LIC of VTU, Special inviter of PhD, GC member of ECSI, Sub-Committee member of NSS, Treasure of “Forum of Chemistry Teachers in Engineering Institution s”, Expert committee member, Registration expert commity, VTU
3	Dr. Arun Biradar	Section Managing committee member, ISTE Karnataka section, Chairman ISTE, Member of Local Inspection committee, VTU Belguam
4	Dr. Shashishekar T R	Committee memner , Zero waste society of India
5	Dr. Prashanth S C	Committee member, Luminescence of India, Karnataka chapter
6	Dr. Suresh M B	Member of Local Inspection committee, VTU Belguam
7	Dr. S G Hiremath	Member of Local Inspection committee, VTU Belguam



8	Dr. B H Maruthi	Member of Local Inspection committee, VTU Belguam
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- **Incentives given to faculty for receiving state, national and international recognitions for research contributions.**

The Institute always encourages the faculty to publish papers in national and international journals on latest and emerging areas. The institute also recognizes those faculties and gives the incentives of Rs 500 for those faculties who got the best paper awards in national and international conferences.

Sl. No	Faculty Name	Incentives Given (in Rs.)
1	Srilakshmi R	500
2	Anand M	500
3	Manjula B B	500
4	Sahanadevi	500
5	Chethana Srinivas	500
6	Mangala C N	500
7	Dr. K N Radhika	1000
8	Sridevi R	500
9	Prathap B N	1000
10	Shashi Kumar R	500
11	Dr. Prashanth S.C.	500
12	Dr. Nagaswarupa H.P.	3000
13	Manjula B B	500
14	Ravichandra	500
15	Prof. Prashanth S C	500
16	Gurushanth K	500

Along with the incentives the institute gives the R and D allowances for the following faculty members to promote and encourage the research in the institution.

Sl. No.	Name of the faculty	Research Center	Desgn.	Research Allowances
1	Dr. Channakeshavalu K	Mechanical	Professor and Principal	16978.00
2	Dr. Maruthi B H	Mechanical	Professor and Head	8500.00
3	Prof. Chidanand R Prasad	Mechanical	Associate Professor	6000.00
4	Dr. Nagaswarupa H P	BSH	Professor	7500.00
5	Dr. Prashantha S C	BSH	Professor	6500.00
6	Dr. Arun Biradar	CSE	Professor and Head	5000.00
7	Dr. Suresh M B	CSE	Professor and Head	5000.00
8	Prof. Jagadisha N	CSE	Associate Professor	2000.00
9	Dr. S G Hiremath	ECE	Professor and Head	7500.00
10	Dr. Rajeswari A	MCA	Professor	1000.00



11	Prof. Prathap B N	MBA	Associate Professor and Head	1000.00
12	Dr. Shashishekhar T R	Civil	Professor	5000.00
13	Prof. Nagaraja Gupta M S	Civil	Associate Professor	3000.00
Seed money				74978.00

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

Industry institute interaction cell has been working since 2013-14 academic session which looks into establishing institute-industry interface. One person from each department is associated with the cell.

As per the need of the hour, through existing industry associates, alumni, the cell try to tap the industry highlighting the expertise available in the campus.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

As per the stated policy of the institution the consultancy amount will be distributed as follows

- For non equipment consultancy 50% for institute and 50% for faculty member,
- With equipments 70% for institute 30% for faculty member.

The expertise is advertised through letters to industries and government organizations.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

Institute through industry institute interaction cell advertise faculty expertise in outside the world to encourage them to utilize their expertise and available facilities for consultancy services.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

Broad area : online tests/organizing online/offline exams and Materials synthesis and characterisation and total revenue collected in last 4 years is Rs.1706022/-.



3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

As per service rules if any faculty member did any consultancy work in the institution then the following rules will be applied in sharing the consultancy profit.

For Non Equipment consultancy 50% for institute and 50% faculty member.

With equipments 70% for institute 30% faculty member.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

Institution promotes community network, good citizenship, service orientation programs for holistic development of the students in consistence with the national programs. The institute has NSS unit which conducts several community network based programes like blood donation camps, health check camps, plantation and initiatives are taken for organ donation etc.

3.6.2 What is the institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

Institute is actively participating all international, national and state level schemes to track students involvement in social moments.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The institute is highly concerned with its stakeholder i.e. includes students, parents, staff, alumni. system of formal feedback is in place on website. Where as informal feedback is gathered to complement the formal feedback.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The institute creates awareness among the students to organize collection of relief funds for



people affected by natural calamities, funds have been created for health check up camps, donations have been initiated towards blind society, orphanage, old-age homes etc

The students will initiate through NSS to collect funds for the above mentioned activities and Rs. 4,64,600/- is spent from NSS to organize many events in the institution.

Fund received for NSS in Rupees:

Sl. No.	Date	Activity	DD No.	Amount
1	06/12/2006	Regular	611078	7200.00
2	07/04/2007	Regular(OPA)	033758	2200.00
3	19/03/2008	Special	159817	15000.00
4	12/09/2008	Special	540804	15000.00
5	30/01/2009	Regular	545194	7200.00
6	12/02/2009	Special	545535	15000.00
7	25/11/2009	Regular	782678	7200.00
8	18/12/2009	Regular(OPA)	783323	4800.00
9	16/12/2010	Regular(OPA)	632567	2400.00
10	16/12/2010	Regular	632538	15200.00
11	09/09/2011	Special	864516	22500.00
12	14/12/2011	Regular	867801	16000.00
13	08/10/2012	Special	115122	22500.00
14	23/11/2012	Regular	105284	16000.00
15	28/09/2013	Regular(OPA)	683285	4800.00
16	07/04/2014	Regular	453727	16000.00
17	03/12/2014	Special	061095	22500.00
18	07/03/2015	Regular(OPA)	325292	4800.00
19	30/03/2015	Regular	322131	16000.00
20	15/03/2016	Special	061111	22500.00
Total				254800.00
Institution Amount spent on NSS				209800.00
Grand Total				464600.00



3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International agencies?

During the orientation program of newly admitted students, the faculty coordinators of NSS unit, various other clubs and societies, make presentation to the students about the respective clubs, their functions and the benefit and scope of such extension activities. Information regarding proposed activities is notified through circulars, web notifications, in academic and hostel building on a regular basis. Every student is encouraged to become a member of such clubs / societies.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable section of society?

The various extension activities that the institute organizes with active participation of its students serve two basic purposes. First, it help institute fulfill its own social obligation of empowering and helping socially under-privileged groups by providing them with certain skills and knowledge that may be necessary for their social mobility in future. The second benefit of such activities is to create awareness among students of the institute about the social realities of country and expose them to the challenges that they may face in future as leaders.

- Institution provides scholarship up to 50% of tuition fee waiver to the academically meritorious students since the management felt that money should not be a constraint for pursuing higher studies.
- Institute provides the special attention to the female students and handicapped students. These activities make students more compassionate, enlightened and a better leader of the future.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The students will learn to disseminate the knowledge among deprived section of the society through non formal mode of education for the benefit of community. This programs will help to uplift the status of the under privileged and vulnerable sections of society. These programs will sensitize the community towards environmental concerns and to inculcate ethics and team spirit.



The students will become lifelong learners and society and environment oriented citizens. The students will learn to assist upliftment of under privileged and vulnerable sections of society. The students will learn ethics, team spirit, humanity, discipline and commitment.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The Institute always encourages the student participation in community activities like forming the different clubs which benefits the society and environment. The institute also have collaborative tie up with NGOs and organizing many events like blood donation camp, health checkup camps and mass tree plantation etc.

Sl. No.	Date	Activity
1	30/3/2016	Social Awareness Program
2	12/3/2016	Glaucoma Awareness Rally
3	7/11/2015	Kannada Rajyotsava Celebration
4	27/06/2015 To 4/7/2015	Mass tree Plantation
5	6/6/2015	Awareness programme on Environment
6	11/4/2015	Health awareness Programme
7	10/12/2014	Awareness programme on Human Rights
8	31/05/2014 to 7/6/2014	Van Mahotsava Week
9	12/4/2014	Health Day Celebration
10	15/03/2014	World Women's Day celebration
11	9/11/2013	Kannada Rajyotsava Celebration
12	20/07/2013	Tree plantation
13	8/6/2013	Tree plantation
14	31/05/2013	Anti tobacco awareness programme
15	13/04/2013	Awareness programme on voting and voting rights
16	18/03/2013	Selection trials to participate in National Integration camp at college level
17	9/3/2013	World Women's Day celebration and created awareness of women empowerment
18	19/02/2013	Blood donation camp
19	12/1/2013	Celebration of national youth day
20	1/12/2012	Awareness programme on "AIDS"
21	13/11/2012	Participated in the "Walkathon" – an awareness campaign on the need to reduce air and noise pollution at freedom park, Bangalore
22	10/11/2012	Kannada Rajyotsava Celebration
23	20/10/2012	Awareness Programme on Health of Women



24	12/10/2012	Awareness program on organ donation
25	25/08/2012	Programme on collection of contribution for "Indian Association For The Blind"

3.6.9 Give the details on the constructive relationship forged (if any) with other institution of the locality for working on various outreach and extension activities.

Sl. No.	Names of the organizations	ACTIVITY
1	Narain Sewa Sansthan	
	25/02/2016 to 2/03/2016	Health education and awareness program on health
	06/11/1014 to 12/10/2014	Educational program on general health and awareness program on tobacco illness
	16/10/2012 to 22/10/2012	General health check up and awareness program
2	Police Gun-training	Training on safety use of guns
3	Rotary	Educational Programme on general health and awarness programme on tobacco illness
4	Lions club	General health checkup and awareness programme
5	LPG	Safety use of LPG

3.6.10 Give the details of awards received by the institution for extension activities and /contributions to the social /community development during the last four years.

Sl. No.	Award
1	Best Faculty Chapter Award 2012 -received as a Secretary of East West Institute technology ISTE chapter
2	Outstanding Service Award (Silver Category) , awarded on 2 nd February 2013 at Madurai, by Indian Association for the Blind.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives-collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.



Industry institute cell in association with faculty expertise interact with industry, research labs and institutes for research activities.

Institution/Industry	Area of Research
KPTCL	Power Systems
Sourish Automation	PLC
IISC	Image Processing, Networking, Materials characterization
BEL	RADAR, FPGA, Patient Monitoring
BOSCH	Fuel Monitoring
ISRO	Satellite Communication, RF Amplifier
NAL	FPGA
LRDE	IP
HAL	USB Drives
Global Technologies Inc.	Website development
#Define Technologies	website development and Android
Inpro Labs	IC designs and electronics Applications
Surya Concrete Products	Constructions
Growcell CNC Sysytems	Design of mechanical products
OS Infoteck, Bangalore	Product Development
Royal precision Filtration system, Bangalore	Filtration systems
4 th Dimension , Bangalore	Designing

- **Cite examples and benefits accrued of the initiatives collaborative research**

Sl. No.	Name	Dept	Collaboration with other college	Benefits
1	Srinivas Murthy	EEE	VTU-Edusat	Knowledge Imparting
2	Chandan Raj	CSE	T-John	Knowledge Imparting
3	Suresh M B	ISE	SKIT	Knowledge Imparting



3.7.2 Provide details on the MoUs/Collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

Following are the MoUs/Collaborative arrangements, which have contributed to the development of the institution.

Sl. No.	Institute / Industry/ University / Corporate	Contribution for development of institution
1	Infosys	Placements, Ind visits, Training and research
2	ISRO	Research, Interviews, Outreach and extension activity
3	Global Technologies Inc.	Website development and guest lecture
4	#Define Technologies	Workshop on website development and Android
5	Inpro Labs	IC designsand electronics Applications
6	First Naukri.com	Placements
7	Monster.com	Placements
8	Surya Concrete Products	Constructions
9	Growcell CNC Sysytems	Design of mechanical products
10	OS Infoteck, Bangalore	Product Development
11	TCS	Consultancy , industry visits and placements
12	Lions Club	Outreach and Extension activities
13	Police	Outreach and Extension activities
14	Rotary	Outreach and Extension activities
15	KPSC	Outreach
16	BESCOM	Outreach and Extension activities
17	NIC	Outreach



18	Syndicate Bank	Outreach
19	IBPS	Outreach
20	Karnataka Bank	Outreach
21	BMTC	Outreach
22	Dept. of Post, Govt. of India	Outreach
23	SSC, Govt. of India	Outreach
24	COMEDK	Admissions, Examinations
25	IISC, Bangalore	Consultancy and Library
26	Sikkim Manipal University	Consultancy and library
27	KPTCL	Outreach
28	Sourish Automation	Machinery automation
29	IISC	Research, library
30	BEL	Research, Industrial visit
31	BOSCH	Industrial visit, placements
32	NAL	Research, placements, Industrial visit
33	LRDE	Research, Industrial visit
34	HAL	Industry visit, research
35	Peol Solutions	Placement
36	Acropetal Ltd.	Placement and Training
37	CMC Ltd.,	Placement, consulting and Training
38	Seed Infotech	Placement ,consulting and Training
39	Aptean Software Pvt. Ltd.	consulting and Training
40	Health Assyst Software Pvt. Ltd.	Placement and Training



41	Unisys	Placement, consulting and Training
42	Common Floor Software Pvt. Ltd.,	Placements , constructions
43	Vti Infotech	Application developments, Placement and Training
44	Dreams Gain Financial India Pvt. Ltd.,	Financial advisory, consulting and Training
45	Metal Cam Technologies	Placement and Training
46	Huaiwei Technologies	Networking support, Placement and Training
47	Micro Land	System support ,Placement and Training
48	Retailon	Placement and Training
49	Razorthink	Placement and Training
50	Volante Technologies	Placement and Training
51	Westline Ship Management Pvt Ltd	Placement and Training
52	Capgemini	Consulting, Placement and Training
53	Unisys	Consultancy,Placement and Training
54	Ntt Data	Placement and Training
55	Aricent Technologies Trigent Softwareare	Placement and Training
56	Halsys It Solutions	Placement and Training
57	Mphasis	Consulting, Placement and Training
58	Marine Shipping India Pvt Ltd	Placement and Training
59	Antal International Ltd	Placement and Training
60	Induja Golbal Solutions	Placement and Training
61	Acropetel Technologies Ltd	Placement and Training
62	Oracle	Industry visit, Placement and Training
63	Larsen Turbo	Constructions, Placement and Training



64	Robert BOSCH	Industrial Placement and Training
65	Toyota	Placement and Training
66	Indian Airforce	Outreach, Placement and Training
67	Pretige Groups	Placement, Industrial visit and Training
68	Mantri Developers	Constructions, Placement and Training
69	Telidrahma Technologies Pvt	Placement and Training
70	Ranal Engineering Services	Placement ,consulting and Training
71	Bharath Fritz India Pvt Ltd	Placement
72	Shoba Developers	Placement and constructions
73	Prof. C.N.R Rao center for advanced studies ,Dept of PG studies in Physics ,Tumkur university, Tumkur	Characterization of synthesized nano materials, research

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment/creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/ library/ new technology/ placement services etc.

Sl. No.	MoU's with Industry
1	Infosys
2	Global Technologies Inc.
3	#Define Technologies
4	Inpro Labs
5	First Naukri.Com
6	Monster.Com
7	Surya Concrete Products
8	Growcell Cnc SysteMS
9	Os Infoteck, Bangalore
10	IBM



11	TCS
12	Wipro
13	HP
14	Peol Solutions
15	Acropetal Ltd.
16	Cmc Ltd.,
17	Seed Infotech
18	Aptean Software Pvt. Ltd.
19	Accord Software
20	Global Fortune 500 Com.
21	Health Assyst Software Pvt. Ltd.
22	Unisys
23	Common Floor Software Pvt. Ltd.,
24	Vti Infotech
25	Dreams Gain Financial India Pvt. Ltd.,
26	Quinnax
27	Metal Cam Technologies
28	Huaiwei Technologies
29	L And T INFOTECH
30	Micro Land
31	Retailon
32	Razorthink
33	Volante Technologies
34	Westline Ship Management Pvt Ltd
35	Capgemini
36	Unisys
37	Ntt Data
38	Aricent Technologies Trigent Softwareare
39	Halsys It Solutions
40	Mphasis
41	Marine Shipping India Pvt Ltd



42	Antal International Ltd
43	Induja Golbal Solutions
44	Acropetel Technologies Ltd
45	Oracle
46	Larsen Turbo
47	Robert BOSCH
48	Toyota
49	Indian Airforce
50	Pretige Groups
51	Mantri Developers
52	Quinnox
53	Accord Software Pvt Ltd
54	Seed Info Tech Pvt Ltd
55	Global Fortune 500
56	Everent Industries
57	Nurture Software Solutions
58	Health Asyst Software Pvt Ltd
59	Telidrahma Technologies Pvt
60	Gomax Elctrinics
61	Triveni Engineering
62	Ranal Engineering Services
63	Bharath Fritz India Pvt Ltd
64	Shoba Developers

3.7.4 Highlighting the names of eminent scientist /participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Sl. No.	Name of the Guest	Designation	Organization
1	Dr. Masahiro Yoshimura	Professor,	National Cheng Kung University, Taiwan.
2	Dr. Uday Shankar	Professor,	Dept of IT, SJCE, Mysore



3	Dr. Vivek Babu,	Scientist,	CSIR-Central Institute of Medicinal and Aromatic Plants, Research Centre, Allalassandra, GKVK Post, Bangalore - 560 065, India.
4	Dr. L.S. Nandeesh,	Professor.	SJRC College, Bengaluru-560001
5	Dr. H. Nagabhushana,	Professor,	Tumkur University, Tumakuru-572 103.
6	Dr. Dinesh Rangappa,	Professor	Dept. of Nanotechnology, VTU RC, Muddenahalli, Chikkaballapur- 562101
7	Dr. B.M. Nagabhushana,	Professor,	M. S. Ramaiah Institute of Technology Bengaluru-560 054
8	Dr. Shreys,	Medical Doctor,	Mandya Institute of Medical College, Mandya-571401.
9	Dr. Sayda Tasneem Fathima	Professor and Head of Dept.	Dept. of Mathematics, Reva Institute of Technology and Management, Bangalore
10	Dr. Hanuma Gowda	Professor and Head of Dept.	Dept. of Mathematics, Reva University, Bangalore
11	Dr. P. Siva kota Reddy	Associate Professor, Dept. of Mathematics	Siddaganga Institute of Technology, Tumkur
12	Dr. G. Shobhalatha	Professor, Dept. of Mathematics	Sri Krishna Devaraya University, Ananthpur, Andhra Pradesh.
13	Dr. B. Soorya Narayana	Professor and Head of Dept	Dept. of Mathematics, Dr. Ambedkar Institute of Technology, Bangalore
14	Dr. D.V. Chandrashekhar	Vice Principal, Professor and Head of Dept., Dept. of Mathematics.	Vivekananda Institute of Technology, Bangalore
15	Dr.K.Chidananda Gowda	Former vice chancellor,	Kuvempu university, shimoga
16	Prof.Mohit.P.Tahiliani,	professor	National Institute of technology Kannada, Surathkal
17	Dr.Devaraju,	Professor	Bangalore university, Bangalore
18	Dr.U.N.Sinha	Senior scientist,	National Aerospace Laboratories, Bangalore
19	Mr.Someshwar halikhede	Co-founder,	Bridge info private limited ,Bangalore



20	Mr.Ganesh yala	Senior Manager,	Accenture Technologies,Bangalore
21	Prof. Pallab Bandopadyay	Human Resources	Citrix Systems Bangalorelore
22	Mr.Prasad.P	Learning Facilitator,	Ibm Technologies
23	Prof.Padma Reddy	Prof and Head,Dept of CSE,	Sai vidya Institute of Technology,Bangalore
24	Dr.P.Nagabhushan	Chief Nodal Officer,	university of Mysore, Mysore
25	Dr.L.S.Nandeesh	Advisor	, SJRC Institutions
26	Dr.H.S.Jamadagni	Professor and Chairman	CEDT,IISc,Bengaluru
27	Prof. V Keshavamurthy	Professor	Dr AIT, Bangalore-56
28	Mr Nagaraj .S. Rao	Director	Sourish Automations, Bangalore.
29	Dr. Nandeesh V. Hiremath	Prof. and Dean	IBMR-IBS, Bangalore
30	Prof., Jayasimha,	HR Trainer, Motivational Speaker	Mindsoft, Bangalore
31	Prof. Vidyaprasad	Communication Expert	Bangalore
32	Prof. Ramesh	Professor	EDII, Bangalore
33	Mr. Kishore	Finance manager	Stock Market Institute, Bangalore
34	Mr. Prakash Rao Jothady	Financial Education Trainer	SEBI ,Bangalore
35	Sri.R.Sridhar,	CEO and Director,	Apex Encon Pvt. Ltd.,
36	Sri.R.Sridhar,	CEO and Director,	Apex Encon Pvt. Ltd.,
37	Prof. T.G.Sitaram	Prof. of Civil Engineering,	IISc and Chairman, KGC, Bangalore
38	Ms.Raji,	Research Scholar,	Geotechnical Engg.,IISc, Bangalore
39	Sri.R Richardson,	ASIR, Head of railway sector,	Soma Enterprise Ltd.,Bangalore
40	Sri. C J Jagadeesha,	Scientist, ISRO and Secretary	KERF
41	Sri.Jaymes Khell,	Manager –	South Asia for the Under Ground division of BASF



42	Prof. M R Pranesh,	Advisor, Emeritus, EWIT and Vice President,	KERF, Bangalore
43	Dr. N. Govindaraju	HOD, Mechanical dept,	Sir MVIT
44	Dr. Veeresh K Basalahalli,	Director,	Sir. MVIT
45	Shivakumar J Nayamati,	Associate Professor,	UVCE Bangalore
46	Guruprasad G	Chief Engineer, Water Resource Department,	Govt Of Karnataka
47	Dr. R Nagendra,	Civil Aid,	Bangalore
48	Prof Shivapullaiah	Professor, Dept of Civil Engg.,	IISC Bangalore
49	Dr. L Govindharaju	Associate Professor., Professor, Dept of Civil Engg.,	UVCE Bangalore
50	Dr. H N Ramesh	Professor, Professor, Dept of Civil Engg.,	UVCE Bangalore
51	Sri C S Ramashesha	Commissioner Ministry of water Resources Government of India	Central Ground Water Board
52	Dr. Suresh Nagesh	Professor	PES university Bangalore
53	Vishwanath	Adviser	Biome Solutions Bangalore
54	Vasudev Murthy	Founder and MD	Build bizz online private Ltd
55	Sri B G Malya	Chief Engineer	BMRC Bangalore
56	Dr Sunil M	Principial Engineer	M/s MOTT Macdonald India Pvt Ltd
57	Dr. Gopalakrishna	Professor,	Jain University
58	Dr. C Suresh	Professor,	BIT, Bangalore
59	Madhav Murthy	Assistant professor,	JSSAME
60	Dr. T Krishna Rao	Principal	Alpha college of Engineering



61	Mr. Prasanna Kiran	Asst. Manager,	BOSCH
62	Mr. Sathish K U	Architect,	RBEI
63	Mr. Jayachandran	Manager	HAL
64	Dr. H V Lakshminarayana	Professor,	DSCE
65	Mr. Appaji Gowda B M	Manager,	HAL
66	Vithun S N	Scientist,	CMTI, Bangalore
67	Pavan Raj	Manager,	Saffron International
68	Ravindra K U	Manager,	Robert BOSCH, India
69	K T Umesh	Manager,	BHEL, Bangalore
70	Kumar K	Prof and HOD,	VVIT, Bangalore
71	Suresh C S	Asst Prof,	BIT, Bangalore
72	Dr Girish C	Prof,	AMC College of Engineering
73	Prof. Madhu H.K	Professor	BIT, Bangalore
74	Prof. Vishwanath	Professor	RNSIT, Bangalore
75	Ms. Bhagya	Software.Engineer	Attrra InfoTech pvt ltd
76	Mr. Sudarshan	Senior Software.Engineer	Mindset IT Pvt ltd
77	Dr. Ravichandra Reddy	Professor	New Horizon college of Engg.
78	Dr. Ragesh Kumar	Professor	DSIT, Bangalore
79	Dr. Venkatamunni Reddy	Prof and Head,	Acharya B School Bangalore
80	Dr. Jalaja	Principal	Nethaji School of Management, APs
81	Dr. John Manohar S	Prof	BMSCE
82	Dr. Manoharan S	Assoc Prof	BMSCE



Sl. No.	Date	Name of the Conferences	Resource Person
1	2/5/2011	National Conference on Advances in electronics and intelligent computing	Dr. K Uday Kumar
			Professor, Dept of IT, SJCE, Mysore
2	29/04/2015 and 30/04/2015	National conference on advances in computer science and engg and Sri C M Nagaraj memeorial Lecture	Dr. P Nagabhushan
			Chief nodal officer, Mysore university
3	18/05/2012 to 19/05/2012	National conference DOCAM	Dr. N. Rudraiah,
4	30/05/2013	Natrional conference on Emerging trends in management	Dr. Ravichandra Reddy
			Prof, New Horizon college of Engg.
			Dr. Ragesh Kumar
			Prof, DSIT
			Dr. Venkatamunni Reddy
			Prof and Head, Acharya B School
			Dr. Jalaja
Principal Nethaji School of Management, AP			

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated.

a) Curriculum development/enrichment

Wipro Mission 10 X: Wipro initiated faculty development program in the institute and other institute also. The faculties participated in the FDP program and learned new methodologies in the teaching learning process

Infosys Campus Connect: we have an MoU with Infosys in which the Infosys regularly coming to the institute about the latest technologies in the industry, aptitude process and also conducted online guest lectures, seminars etc.



Sl. No.	Name of linkages/collaborations	Activities	Beneficiaries
1	Infosys	Online aptitude test conduction	2000
2	IBM	Faculty Development Program	500
3	Wipro Mission 10 X	Faculty Development Program	40
4	First naukri.com	Job placements	500
5	Monster.com	Job placements	500

b) Internship/On-the-job training

Sl.No	Intership Program	Beneficiaries
1	IBM Intership program	12
2	Hindustan Aeronautical Limited	26
3	Aeronautical development agency	4
4	ABB	12
5	ISRO	17
6	Bharat electronics Limited	23
7	BhuRakshan	2
8	BHEL	12
9	BOSCH	8
10	HMT	2
11	Kennametal	4
12	BEML	4
13	Fouress	4
14	LandT	6



15	Shobha Developer	4
16	KPTCL	4
17	DRDO	7
18	LRDE	6
19	STEEL AUTHORITY OF INDIA, RANCHI	4
20	Bangalore University	3
21	4 Semi Technology India Pvt Ltd	5
22	IISC	6
23	NAL	8
24	BSNL	8
25	Logic mind technologies	8
26	APPTAD tech pvt ltd	2
27	ISLEEN solution pvt ltd	2
28	ALSTOM transport india ltd	1
29	Unitech solutions	1
30	Threlek solutions	1
31	KAAF system and solutions pvt ltd	1
32	Hospira healthcare pvt ltd	1
33	TExcel automation pvt ltd (PLC)	4
34	Foremen training institute(Protective relays and circuit breakers)	1
35	Royal precision Filtration system, Bangalore	4
36	4 th Dimension , Bangalore	7



c) Summer placement

Sl.No.	Company/Agencies
1	Quantec origin pvt. Ltd
2	JV Global Placements pvt Ltd.

d) Faculty exchange and professional development

Faculty members have been trained in industry environment by industries such as Infosys and WIPRO, etc, on latest technologies and teaching methodologies. This invariably helps students as the faculty imparts similar training to students.

e) Research

Industries like IBM and Infosys have established research environment in Institution. Faculty members make use of these infrastructural facilities to pursue research in their respective discipline. In addition, we have established research labs in which many industries play key role as members of advisory committee. These labs help in molding students as entrepreneurs. Many products have been developed by students.

f) Consultancy

- Faculties are engaged in consulting activities with industries.
- The list of consultancy works has been listed in 3.5.4.

g) Extension

Institute is organizing various extension activities for the betterment of society and less privileged

Sl.No.	Companies/ NGO
1	Inventure Tech
2	Narian Seva Sanstan

h) Publication

- Faculty members have published 767 papers in national and international journals and students have presented more than 1000 papers in conferences and symposiums.
- The majority of these publications are the result of the research works carried out due to the interaction with industries.

**i) Student Placement**

Sl. No.	Name of the Company
1	Infosys
2	IBM
3	TCS
4	WIPRO
5	HP
6	Peol Solutions
7	Acropetal Ltd.
8	CMC LTD.
9	Seed Infotech
10	Aptean Software Pvt. Ltd.
11	ACCORD SOFTWARE
12	Global Fortune 500 Com.
13	Health Assyst Software Pvt. Ltd.
14	Unisys
15	Common Floor Software Pvt. Ltd.,
16	Vti Infotech
17	Dreams Gain Financial India Pvt. Ltd.,
18	Quinnax
19	Metal Cam Technologies
20	Huaiwei Technologies
21	L And T Infotech
22	Micro Land
23	Retailon
24	Razorthink
25	Volante Technologies
26	Westline Ship Management Pvt Ltd
27	Capgemini
28	Unisys
29	Ntt Data
30	Aricent Technologies Trigent Softwareare
31	Halsys It Solutions
32	Mphasis
33	Marine Shipping India Pvt Ltd
34	Antal International Ltd
35	Induja Golbal Solutions
36	Acropetel Technologies Ltd
37	Oracle
38	Larsen Turbo
39	Robert BOSCH
40	Toyota
41	Indian Airforce
42	Pretige Groups
43	Mantri Developers



44	Quinnox
45	Accord Software Pvt Ltd
46	Seed Info Tech Pvt Ltd
47	Global Fortune 500
48	Everent Industries
49	Nurture Software Solutions
50	Health Asyst Software Pvt Ltd
51	Telidrahma Technologies Pvt
52	Gomax Electronics
53	Triveni Engineering
54	Ranal Engineering Services
55	Bharath Fritz India Pvt Ltd
56	Shoba Developers

Twining Programmes - NA

j) Introduction of new courses - NA

k) Student exchange – NA

l) Any other – NA

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

The institute is regularly planning a good and professional relationship with industries and other institutions. The institute always welcomes the new initiatives taken by the depts. And placement for the establishment of professional relationship with the industries for that we have signed MoU's with many organizations.

The research committee regularly ensures the research initiatives taken in the respective departments. The institute is trying to establish the linkages/collaborations with reputed educational institutions and industries. The need for collaborations with the industries and other institutions are planned during the Governing Council and IQAC meetings. The deliberations of the meetings are conveyed to the HoDs and the training and placement cell through the principal and necessary initiatives are taken to implement the meeting proceedings. The departments are also involved in establishing linkages and collaborations with industries and other research institutes.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

Nil

CRITERION IV

Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitates effective teaching and learning?

Institute abides regulatory bodies' norms. The facilities are regularly upgraded as per the requirements. The management is proactive and has a positive approach in the development of infrastructure facilities for the benefit of the stakeholders and creating a conducive environment for academic activities.

4.1.2 Detail the facilities available for

- a. **Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**

Sl. No	Type of Infrastructure	Quantity and Facilities available
1	Class Rooms	Total 84 Nos. More than 40% of the classrooms are equipped with LCD projectors.
2	EDUSAT Room (Technology enabled learning spaces)	One state of the art EDUSAT room with seating capacity of 120. smart board, benq projector, BOSCH speakers 40W output, mike with amplifiers, computer with I5 processor, 4GB RAM, 500GB hard disk, DVD writer, Display card, 20" monitor, MODEM connected to EDUSAT dish placed on the terrace.
3	Seminar Halls	9 with Audio and visual facility
4	Tutorial Rooms	08
5	Laboratories	96
6	Specialized facilities and equipment for teaching,	NPTEL videos, digital library, Access to E-journals, remote access to e-content



	learning and research	
7	Equipment for teaching	White boards, green board, smart boards, LCDs with multi- media kit, models and charts
8	Research Labs	8
9	Drawing Hall	1

b. Extra –curricular activities – outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

Sl.No	Type of Facility	Details
1	Sports, Outdoor	Cricket, football, volleyball, throw ball and badminton courts.
2	Sports, Indoor	Table tennis, chess, carrom, etc, indoor badminton courts.
3	Gymnasium	Area – 102 sq.m, tread mill-2 nos, spine bike-2 nos,biur /triumph combo, multi press combo, peek fly/rear delt, weight assist chin/deik combo, leg ext/leg eurl, lat pull/ doulm, seated low rowing, wrist conditioner, functional cable cross oven, hauk svauat/ leg pros, seated colt stand, t-bar rowing, multi ale bench, multi adjustable bench, Olympic incline/flat bench, olympic decline/flat bench, hyper ext/ heike flexor, twister standing, vertical knee raiser/ parallel bar/dep, olympic rods (plates) upto 450 kgs, dumbbells up to 410 kgs
4	Auditorium	300 Capacity
5	NSS	Block-1 Room no- 109 Area - 20 sq.m
7	Cultural Activities	Auditorium is available with all facilities for conducting cultural events.
8	Public Speaking	Public addressing system available
9	Communication skills development	Block 1, Room No. 509 Area – 66 sq.m 20 Computers, 20 headphones with necessary accessories and software.
10	Yoga	200 sqmts in auditorium block
11	Health and Hygiene	Medical room - 40 sq.m, 20 sq.m, investigating



		space with stretcher, first aid kit, dressing trolley, examination couch, hand sanitizer, wash basin, record book, table and chair for doctor. RO purified water in all the blocks and floors.
12	Bank with ATM	300 sq.m, , Canara Bank with 24X7 ATM facility
13	Canteen	300 sq.m with capacity of more than 150

4.1.3 How does the Institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/ augmented and the amounts spent during the last four years (enclose the master plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any).

The basic infrastructure as per the requirement of the regulatory bodies is approved from governing council at the time of establishing the institution. Other requirements of faculty for teaching learning and research are discussed in Principal and HOD's meetings which is further approved from governing council.

The institution makes an effort to optimally utilize its available infrastructure facilities through MOU's with industry, government and private organizations on non-academic days.

Give specific examples of the facilities developed/ augmented

Sl.No.	Facilities Created /augmented	Amount Spent (in lakh rupees)	Purpose
1	Auditorium and indoor sports complex	221	Overall development
2	Projectors, Laptops, Computers and Peripherals	237	Teaching learning, online tests and consultancy.
3	Wi fi and Internet	18	Holistic development
4	CCTV	8	Security

Annexure 2 - Master plan of East West campus

4.1.4 How does the Institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The institute's buildings are differently abled friendly. All the buildings are provided with ramps, lifts and toilets. Wheel chair is available in each block for the smooth movement.



4.1.5 Give details on the residential facility and various provisions available within them:

- ❖ **Hostel Facility** – Accommodation available
- ❖ **Recreation facilities, gymnasium, yoga center, etc**
- ❖ **Computer facility including access to Internet in hostel**
- ❖ **Facilities for medical emergencies**
- ❖ **Library facility in the hostels**
- ❖ **Internet and Wi-Fi facility**
- ❖ **Recreational facility –Common room with audio – visual equipment**
- ❖ **Security**

The institution has one boy's hostel, which can accommodate 500 students within the campus. Hostel provides facilities like gym, reading room, consulting doctor, free internet facility and WiFi facility, indoor games, modernized kitchen, RO water, solar water heater and mess facilities. 24x7 electricity, water supply, security is provided.

The institution has two girl's hostel of 150 capacities, outside the campus. Available facilities include reading room, consulting doctor, free internet and WiFi facility, modernized kitchen, RO water, solar water heater and mess facilities. 24x7 electricity, water supply, security is provided. Both hostels are under CCTV surveillance.

- **Available residential facility for the staff and occupancy constant supply of safe drinking water**

Residential facility is not available for the staff. However, safe drinking water is provided in all the hostels through RO filters.

4.1.6 What are the provisions made available to the students and the staff in terms of health care on the campus and off the campus?

- Health care room with First Aid facilities is available for the students and staff in the campus.
- The college has visiting Doctor and a full time nurse in the campus.
- Maternity leaves are granted.



- MOU with Sri Lakshmi multi speciality hospital, Magadi Road, Sunkadakatte and Nethra drishti eye clinic, Anjana nagar for emergency treatment for Staff and Students.

4.1.7 Give details of the common facilities available on the campus - space for special unions like IQAC, Grievance Redressal Unit, women's cell, counseling and career guidance, placement unit, health center, canteen, recreation spaces for staff and students, safe drinking water facility, auditorium etc.

Sl. No.	UNIT	Place of Location
1	IQAC	Block -1, first floor room no. 111
2	Grievance Redressal Unit	Block -1, 5 th floor room no.510 cabin A
3	Women's Cell	Block -1- 5 th floor room no.510 cabin B
4	Counseling and Career Guidance	Block -1- 5 th floor room no.510 cabin C
5	Placement Unit	Block - 1- 5 th floor, room no. 510, cabin D
6	Health Centre	Block - 2, ground floor, room no.5
7	Canteen	Block -8
8	Recreational spaces for staff and students	Indoor stadium, playground
9	Safe drinking water facility Campus	All blocks, all floors.
10	Auditorium	Block-07

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student / user friendly?

Yes, Chairperson is one of the HODs' on rotational basis. Senior faculty members from respective departments are the members. Librarian is member secretary.

HOD	Chair Person	Prof. Srinivasa Murthy R V, HOD, EEE
Senior Faculty	Members	Mrs. Sushma J, Dept. of MBA Mr.Gurushantha K, Dept. of BSH Mr. Chandru.B.T., Dept. of Mechanical Engg.



		Mrs. Manjula.B.S., Dept. of ISE Mrs. Mangala.C.N., Dept. of CSE Mrs. Ashwini G, Dept. of Civil Engg. Mr. Sudeendra K, Dept. of ECE, Mrs. Sharada K A, Dept of MCA
Librarian	Member secretary	Mrs. Malathi R, Librarian, EWIT

Some of the significant initiatives are:

- ❖ Separate libraries for UG and PG
- ❖ Installation of CCTV.
- ❖ Digitalization of departmental libraries.
- ❖ NPTEL videos.
- ❖ Installation of mesh windows.
- ❖ Digitized VTU question papers to staff and students.

4.2.2 Provide the details of the following

- **Total area of the library (in sq.m)** : 617
- **Total seating capacity** : 200

Working hours

- On working days (Mon-Fri) : 8.00 a.m to 8.00 p.m
- On working days (Sat) : 8.00 a.m to 2.30 p.m
- On holidays : 10.00 a.m to 1.00 p.m
- Before examination days : 8.00 a.m to 8.00 p.m
- During examination days : 8.00 a.m to 8.00 p.m
- During vacation : 8.30 a.m to 4.30 p.m

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources):

Annexure - 3.1– UG library

Annexure - 3.2 – PG library

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

Prescribed requisition form is in place for the faculty through which they submit their requisition to respective HOD's for books, journals and other reading materials. The combined list is reviewed by the library advisory committee. The recommendations are sent to principal



for approval and procurement.

Library Holdings	2012-13		2013-14		2014-15		2015-16	
	Numbers	Total Cost	Numbers	Total Cost	Numbers	Total Cost	Numbers	Total Cost
Text Books / Reference Books	4568	567275.00	1884	156684.00	1984	257768.00	1801	3,67,539.00
Journals / Periodicals	87	202891.00	40	95686.00	6	0.00	23	20,100.00
E - resource	224	618656.00	--	0.00	161	388365.00	VTU Consortium E-journals	14,96,000.00
Others (News paper and Magazine)	--	51406.00	--	49193.00	--	26637.00	--	25,235.00
		1440228.00		301563.00		672770.00		19,08,874.00

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- ❖ OPAC: Available
- ❖ Electronic resource management package for e-journals: Knimbus
- ❖ Federated searching tools to search articles in multiple databases:Knimbus
- ❖ Library Website:www.ewit.edu/library
- ❖ In-house/remote access to e-publications: www.ewit.edu/library
- ❖ Library automation:Lib-soft
- ❖ Total number of computers for public access :12
- ❖ Total number of printers for public access:1
- ❖ Internet band width/ speed: 65 mbps
- ❖ Institutional Repository: Yes www.ewit.edu/library
- ❖ Content management system for e-learning: No
- ❖ Participation in resource sharing networks / consortia (like Inflibnet): Yes, VTU Consortium.

4.2.5 Provide details on the following items

Average number of walk-ins	343 / day
Average number of books issued / returned	288 /day
Ratio of Library books to students enrolled	9:1
Average number of books added during last 3 years	1556
Average number of login to OPAC	87



Average number of login to e-resources	132
Average number of e-resources downloaded/printed	63
Number of information literacy trainings organized	Nil
Details of “weeding out” of books and other materials	Nil

4.2.6 Give details of the specialized services provided by the library

- ❖ Manuscripts : No
- ❖ Reference : 5487
- ❖ Reprography : 01
- ❖ ILL (Inter Library Loan) : No
- ❖ Information deployment and notification : Yes
- ❖ Download : Yes
- ❖ Printing : 02
- ❖ Reading List / Bibliography compilation : No
- ❖ In-house / Remote access to e-resources : Yes
- ❖ User Orientation and awareness : Yes
- ❖ Assistance in searching Databases : Yes
- ❖ INFLIBNET / IUC Facilities : VTU consortium

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

Library staff provides open access facilities to students and staff, which help easy access and use of library as a learning resource. New arrivals are displayed in the separate rack. Photocopy/reprographic services to the faculty and students on demand.

4.2.8 What are the special facilities offered by the library to the visually / physically challenged persons? Give details.

Institute identifies the needs of differently abled students and caters them timely. The library staff is always ready to assist the visually / physically challenged persons in obtaining the materials / documents. They are usually given priority while issuing books.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to



collect feedback from users? How is the feedback analyzed and used for further improvement of the library services)?

Yes, suggestion box is available in the library. Library receives feedback from faculty and students. Library committee scrutinizes the feedback and lists out the issues prioritizing according to seriousness it arranges the same at the earliest possible.

4.3 IT Infrastructure

4.3.1 Give details on computing facility available (hardware and software) at the Institution?

Number of computers with Configuration (provide actual number with exact configuration of each available system)

Sl. No.	Systems / Brand Name	Configurations	Quantity
1	ACER Power Series	Acer Desktop Computer with 15" Monitor Core 2 Duo Processor 160 GB HDD Keyboard Optical mouse	88
2	Zenith	Zenith Premium with 15" Monitor , dual core Processor 2GB RAM 160GB HDD Mouse Keyboard	297
3	ACER 200 version	Acer Desktop Computer with 17" Monitor Core 2 Duo Processor 320GB/500GB HDD Keyboard Optical mouse	274
4	ACER-P4	ACER-4 3.06 GHz 256 MB RAM 40GB HDD 17" monitor PS2 Keyboard Mouse	106
5	Lenovo	Lenovo Desktop 3597147 Lenovo M72E Tower core I3 3220 processor 2GB RAM 500GB HDD 18.5" LED Monitor Keyboard Mouse	165
6	HCL	HCL Desktop, 2.4 Dual Core Processor, 1GB RAM, 160GB HDD, 15" Monitor	13
7	ACER AMD	2.31ghz/2 gb /160 gb/15" monitor	103
8	DELL	core2duo /1 gb /160/17" monitor	37
9	THIN CLIENTS	VXL 256MB RAM, 2GB FLASH, USBPORT, KB PORT, VGA,SERIAL,MOUSE PORT	35



10	INTEL	CELERON 1.6Ghz, 256 MB RAM, 10GB HDD, 14" DISPLAY, KB,MOUSE	24
11	INTEL	G530, 160 GB Hard disk, 2GB RAM, Xeon 3GHz processor	2
12	INTEL	1 TB hard disk, 8GB RAM, Xeon Server, 3GHz	5

No. of computers with configuration : 1149

Computer Student ratio : UG 1:6 PG 1:4

Stand-alone facility : 24

LAN facility : 974

Wi-Fi facility:

- ❖ 24 Zylinx routers with range of 15m out of which 16 outdoor units with external antenna and remaining 8 indoor units with built in omni antenna with a band width upto 300 Mbps.
- ❖ 2 Wavion omni antenna WiFi routers with a maximum range of 1000m and concurrent uses of upto 500 units are placed one in boy's hostel and the other at the centre of the campus with a bandwidth upto 300 Mbps.
- ❖ 2 Brovis bridges are used to connect between the main block to girls hostel for the internet connectivity with a bandwidth upto 150 Mbps.
- ❖ 1 ubiquity device is installed specifically for the management and principal with a range of 30m and bandwidth upto 150 Mbps.

Licensed Software

Microsoft campus agreement - The institute has signed an agreement with Microsoft bearing agreement No. V9915629 entitled 'Open value subscription agreement for education solutions' valid upto March 2017 which includes all Microsoft system and application software products. Apart from Microsoft software products we have other open source system and application softwares as tabulated below.

S#	List of open source system softwares	# of licenses
1	Redhat Linux all versions	open license
2	Open suse all versions	open license



3	Ubuntu all versions	open license
4	Fedora all versions	open license

S#	List of Application Software	# of licenses
1	IBM Rational Rose	20 users
2	Oracle 10g std one edition for windows	10 users
3	TC + +	10 users
4	English Laboratory	20 users
5	Xilinx	10 users
6	Tally Currency-2700	1 user
7	Quick Heal Antivirus server edition	5 users
8	Mipower	20 users
9	Cadance EDA tool	30 users
10	Auto CAD Educational suite	30 users
11	E survey	10 users
12	EDGE CAM	20 users
13	Solid Edge	60 users
14	NISA civil	30 users
15	Quick heal Total security	10 users
16	NS - 2	open license
17	MATLAB	10 users
18	Simulink	open license
19	Mentor Graphics	25 users
20	ANSYS	25 users
21	P - SPICE	open license

Number of nodes / Computers with Internet facility: 974

Any other

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus ?

Computers for Students (for academics) : 985



Computers for Faculty	: 104
Library	: 16
Office	: 21
Boys Hostel	: 06
Off Campus (Head Office, Girls Hostel)	: 17
Total	: 1149

Internet Facility 65 Mbps lease line and 20 Mbps BSNL BROADBAND. All the computers mentioned above are connected to the internet.

4.3.3 What are the Institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Need analysis is done at the departmental and Institutional level. Institution, as a policy matter keeps on updating the IT infrastructure, peripherals and relevant facilities as per the industry requirement.

4.3.4 Provide details on the provision made in the annual budget for procurement, up gradation, deployment and maintenance of the computers and their accessories in the Institution (Year wise for last four years)

Description	2011-2012	2012-2013	2013-2014	2014-2015
Procurement	Rs. 8730900.00	Rs. 8688785.00	Rs. 5369778.00	Rs. 1142549.00
Up gradation, Maintenance	Rs. 57500.00	Rs. 239121.00	Rs. 216291.00	Rs. 147154.00
Total amount	Rs. 8788400.00	Rs. 8927906.00	Rs. 5586069.00	Rs. 1289703.00

4.3.5 How does the Institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

Institute has provided with sufficient ICT resources. Faculty and students are encouraged to use ICT resources extensively; some of the latest initiatives are webinars, availability of e-resources in web portal, EDUSAT, digitalization of departmental library etc.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources,



independent learning, ICT enabled classrooms/learning spaces etc.) by the Institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- ❖ The schedule of EDUSAT is included in the timetable.
- ❖ The institution has facilitated the faculty members to upload their study materials on to the institute website, which is easily accessed by the students for self learning.
- ❖ The institute provides user ID and passwords for e-resources which facilitate independent learning of students for writing papers, review of case studies and projects.
- ❖ All departmental library activities are digitalized.
- ❖ Online aptitude and technical skill test for students.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes, the Institution is affiliated to VTU and is a member of Visvesvaraya Technological University Consortium. The consortium gives access to Knimbus digital library software which helps in remote access of e-journals. Access is also provided to IEEE-IEL, Elsevier, Science Direct, Springer, Taylor and Francis, ASCE, Pro-quest Engg., Pro-quest management related 1800 e-journals, 6514 conference proceedings and 3043 standards.

4.4 Maintenance of Campus Facilities

4.4.1 How does the Institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

Sl. No	Budget allocated for Maintenance of	Amount in Lakhs			
		2011-12	2012-13	2013-14	2014-15
a	Buildings	Rs. 3,639,000.00	Rs. 6,096,278.00	Rs. 3,567,968.00	Rs. 11,755,530.00
b	Furniture	Rs. 931,016.00	Rs. 1,449,210.00	Rs. 417,709.00	Rs. 597,087.00
c	Equipment	Rs. 2,517,292.00	Rs. 3,108,860.00	Rs. 1,330,467.00	Rs. 3,029,424.00
d	Computers	Rs. 8,730,900.00	Rs. 8,624,157.00	Rs. 5,351,843.00	Rs. 992,150.00
e	Vehicles	Rs. 469,520.00	Rs. 922,339.00	Rs. 923,650.00	Rs. 901,551.00
f	Any other	Rs. 0.00	Rs. 0.00	Rs. 0.00	Rs. 0.00



4.4.2 What are the Institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

Maintenance is looked after by a dedicated person with the help of electricians, and plumbers. Any civil work maintenance is outsourced. Lab technicians under the supervision of lab in-charge take care of maintenance of equipment. AMC's for some equipment are also available.

4.4.3 How and with what frequency does the Institute take up calibration and other precision measures for the equipment/ instruments?

The lab in charge along with lab technicians calibrates the equipment before start of the semester and as and when required. External agencies are approached if required for calibration and maintenance.

4.4.5 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

The generators are placed at one of the corners of the campus which is properly secured and guarded. For upkeep and maintenance electricians are available 24×7. Proper raking system is available for UPS and maintenance is done through AMC for constant supply of water, institution has 5 borewells from which water is pumped out on daily basis to ground sumps having 3 lakh litres capacity from where again it is pumped to the overhead tanks. Each block is provided with RO or UV system for potable water and the maintenance of the same is through AMC.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.



CRITERION V

STUDENT SUPPORT AND PROGRESSION

5.1. Student Mentoring and Support:

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability.

Yes. The institution publishes updated prospectus to highlight the vision and mission statement, quality policies, rules and regulations, college timings, transport details, training and placement details, list of rank holders, infrastructure and facilities available in the institution and achievements of the staff/students of various departments. The prospectus also contains detailed information on various programmes offered by the institution.

The head of the institution along with the HOD's periodically supervises conduction of theory/practical classes, analyses results, procures feedback from the students and regularly monitors all the activities taking place in the institution and takes remedial measures in case of discrepancies.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The institution provides merit scholarship to students.

Year	No. of Students	Amount in Lakhs
2012-13	45	5.1
2013-14	48	6.3
2014-15	51	8.4
2015-16	60	9.5

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

19.92 % of students are benefited by receiving financial assistance.



5.1.4 What are the specific support services / facilities available for

✓ **Students from SC / ST, OBC and economically weaker sections?**

- ❖ A dedicated office staff is specifically nominated for the purpose of verification of documents and speeding up the process of procuring scholarships for SC/ST/OBC students. Efforts are made to secure the government scholarships to the students in time.
- ❖ SC/ST book bank is available for the students in the library.
- ❖ Government of India and Karnataka government scholarships are given to help SC/ST/OBC students
- ❖ Students from economically weaker sections are permitted to pay the fees on installment basis according to their convenience.

✓ **Students with physical disabilities**

The institution provides ramps, wheel chairs, lifts and toilets for students with physical disabilities. Classrooms are provided in the ground floor wherever possible.

✓ **Overseas students**

The institution provides hostel mess according to their food habits. It also facilitates overseas students to learn English proficiency language through a dedicated English language teacher.

✓ **Students to participate in various competitions/National and International**

- ❖ Institution transport facilities are extended to visit summits, exhibitions and fairs.
- ❖ Institutional dresses are given to students for participating in sports
- ❖ Food expenses are borne by the Institution for the students participating in various national and international competitions.
- ❖ Registration fees are reimbursed in the case of the participation in the international level conferences, seminars and competitions.

✓ **Medical assistance to students: health centre, health insurance etc.**

One male and one female visiting doctor and a full time nurse are available for taking care of the health of the students.

✓ **Organizing coaching classes for competitive exams**

Special classes are conducted by teachers in preparing students for competitive exams after college hours.

✓ **Skill Development (spoken English, computer literacy, etc)**

Basic English and Kannada language classes are conducted for the students to excel in



language proficiency. A dedicated English teacher assists the students in preparing resumes, and encourages involving in-group discussions.

For skill development, the following trainings are being given to the students:

- Computer literacy is given to the students through the curriculum.
- Students are encouraged to present seminars for technical topics, thereby enhancing presentation skills of students.

✓ **Support for “slow learners”**

Remedial classes are conducted for slow learners. Special attention is given in the form of additional classes, personal counseling and assignments. Personal counseling is also given to the students for improving their academic performance.

✓ **Exposures of students to other institution of higher learning/ corporate/ business house etc.,**

Industrial visits are arranged for students to impart knowledge about practical procedures followed in industry. Students are encouraged for doing mini projects and internship projects in industry. Students are advised to participate in technical symposiums, workshops, seminars in reputed Institutions. Special lectures are given to the students by renowned technical experts. Students, thus get to know about industry work practices by the interaction with the experts. A number of MoUs with organizations like ISRO, Infosys, etc are signed with industries which facilitate students in visiting industries. Internships are arranged to the students to understand the corporate culture and business practices.

➤ **Publication of student magazines**

- ❖ Wall magazines published and displayed on the notice board for the students to post their technical articles, drawings, poems etc.
- ❖ Annual magazine is published by the students and faculty team once in a year.
- ❖ Newsletter is published yearly twice by every department, through an editorial board comprising of senior faculty members and students wherein the student’s performances are included comprehensively.

5.1.5 Describe the efforts made by the Institution to facilitate entrepreneurial skills among the student and the impact of the efforts ?

Entrepreneurship Development Cell (EDC) is available in the Institution for facilitating entrepreneurial skills among the students. Students are advised to think as job providers rather than the job seekers. The EDC cell initiates entrepreneurial culture among students. Several workshops/seminars are conducted to encourage students to think about small scale business opportunities. All new schemes such as SKILL INDIA, MAKE IN INDIA,



DIGITAL INDIA, START-UP INDIA etc., are discussed with the students.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

Institution tries to include maximum co-curricular and extracurricular activities in the academic calendar so that students are motivated to participate in such activities.

***Additional academic support, flexibility in examinations**

The head of the institution recommends condoning attendance for the students who have participated in sports and other extracurricular activities as per the rules and regulations of the university. As per the university guidelines there is no provision for flexibility in examinations.

*** Special dietary requirements, sports uniform and materials**

The institution provides sports uniform for students participating in various sports competitions

*** Any other**

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

Senior faculty from the department is designated with the job of letting the students know all the necessary details about the schedule of competitive exams/civil exams. Respective details will be put on the notice board. They also conduct mock-online test for the students to prepare them for appearing in competitive exams.

Examination	Appeared	Qualified
GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services	347	233

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)



Academic and personal support/guidance is available through class teacher, mentors, training and placement officer and HOD's. Psycho-social cases have not come to notice till date.

5.1.9 Does the Institution have a structured mechanism for career guidance and placement of its students? If yes details on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interview by different employers (list the employers and the programmes)

Yes. All the departments in the institution have a faculty member, designated with the role of placement coordinator. The placement cell organizes trainings as per the requirement, conduct mock interviews which help them to face the interviews. The human resource managers and experts from leading organization are invited to deliver lecture on interview techniques and methodology of group discussion.

The following table gives the details of % of students placed in the last three years.

Department	% of Students placed during the last 3 years
CSE	77.6
ECE	79.33
EEE	69.00
ISE	82.00
ME	52.00
CIVIL	17.00
MBA	80.00
MCA	60.33
Total Placement % (Campus)	64.65

The following is the partial list of companies who have come for campus placement to our institution:

Sl. No.	Employer Name	Total % of students placed in last 3 years
1	Westline shipment	4.46
2	Hinduja Global	4.15
3	Headrun Technologies	3.54
4	CMC Ltd	3.22
5	Prestige	2.3
6	Shobha	2.24
7	Mind Tree	2.17
8	Mantri	1.94



9	Quinnox	1.87
10	IBM	1.87
11	HCL	1.74
12	Ankit Factoriess	1.72
13	M Phasis	1.69
14	Toyota	1.63
15	Procim Design	1.5
16	Razorthink	1.46
17	WIPRO	1.44
18	RANAL Engineering	1.41
19	LandT	1.24
20	Infosys	1.22
21	NTT Datta	1.2
22	West line	1.15
23	Metal CAM Tech	1.11
24	Unisys	1.09
25	LandT infotech	1.06
26	Oracle	1
27	APTEAN Software	1
28	Huwai Tech	0.94
29	Acropetal	0.89
30	Robert BOSCH	0.89
31	Global Fortune	0.8
32	Aricent Tech	0.72
33	HP	0.72
34	TCS	0.69
35	SEED Infotech	0.67
36	Accenture	0.61
37	Haisys tech	0.59
38	Peol Soln	0.54
39	Gomax Electronix	0.52
40	Dream Gain Fin India	0.48
41	Azureiken	0.48
42	Kirloskar	0.48
43	Cognizant	0.37
44	Accord Software	0.33
45	Common Floor	0.3
46	CEGEDIM Technologies	0.3
47	Health ABB S/W LTD	0.28
48	Indian Airforce	0.24
49	Microland	0.22
50	VIT Infotech	0.11
Total % Placement (Campus)		64.65



5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes, there is a grievance redressal cell which deals with problems associated with students. Most of the grievances of the students are effectively addressed by the allotted mentor with the class teacher and HOD.

Date	Grievances	Action taken
21-03-16	College bus routes	More number of college buses were added and a modified bus route was recommended by the transport committee depending on the students requirement.
09-09-15	Facility for indoor games	An auditorium was constructed for playing indoor games.
02-04-14	Facility for group discussion	A separate building is constructed for conducting group discussion, mock interviews etc.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The institute has sexual harassment cell as per the guidelines of the Supreme Court and they are empowered to take any decision depending on the issues. However, till date no such cases have been reported. The institute premises are entirely under CCTV camera vigilance in order to prevent such incidents.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes, there is an anti ragging committee. However, no such incidents have been reported.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- ❖ Institution has a designated team which is responsible for distributing government and other institutional scholarship of different categories after receipt from the authorized sources.
- ❖ Economically poor students and meritorious students are provided with scholarship and other financial assistance, cash rewards and certificate for their academic performance.
- ❖ The management provides fee concession for meritorious students.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and



infrastructure development?

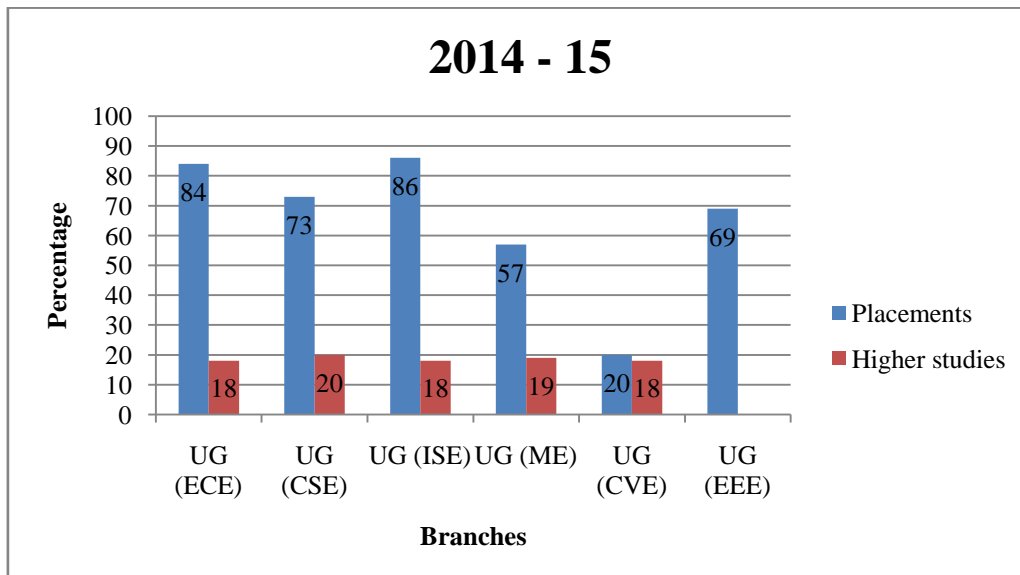
Yes. The major contribution of alumni is with industry institute interaction cell for having linkages with industry for academic, research, training and placement activities.

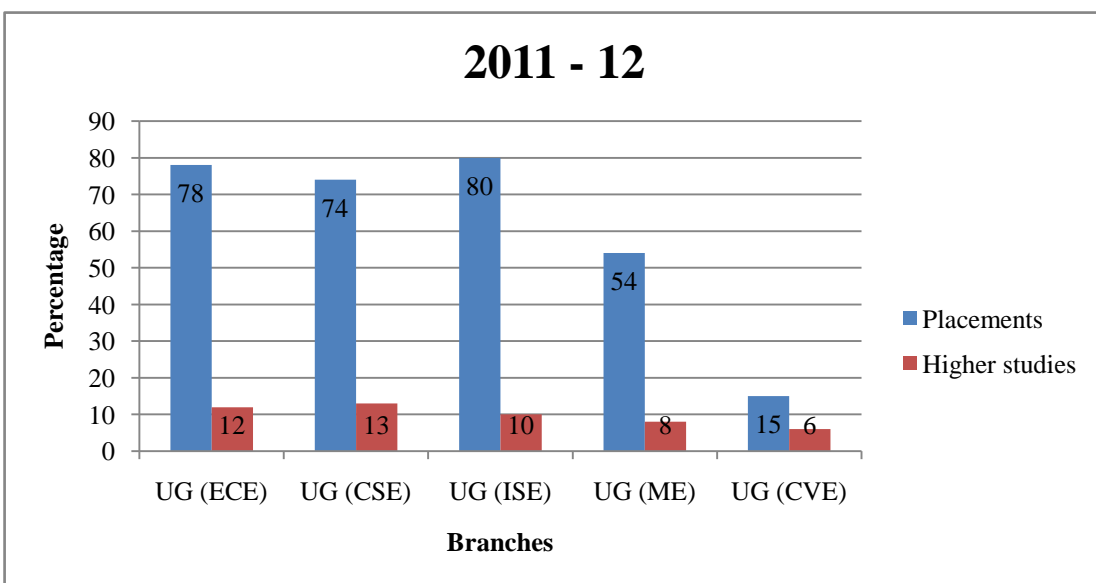
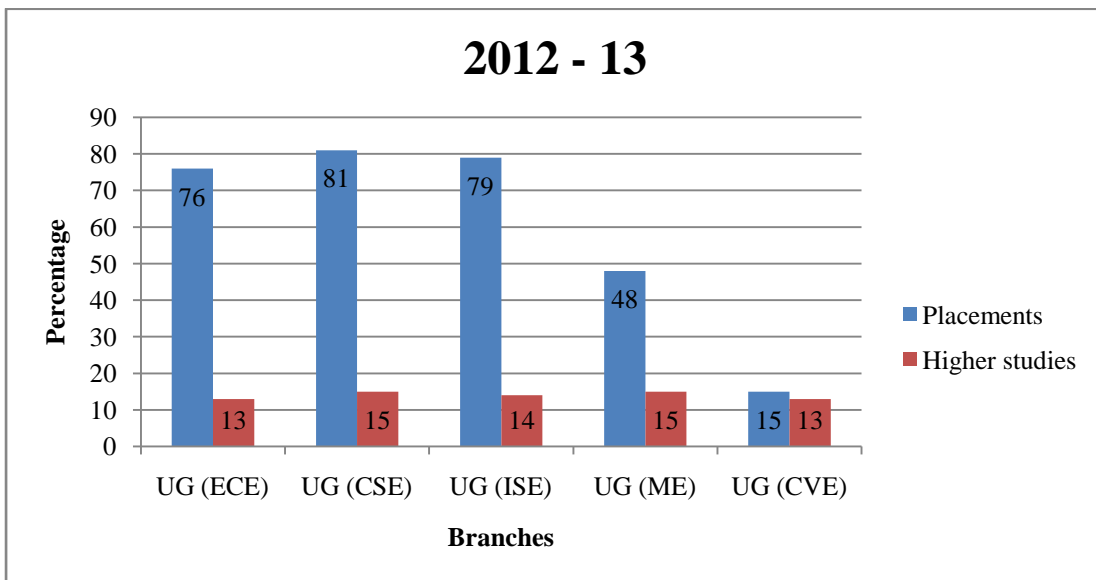
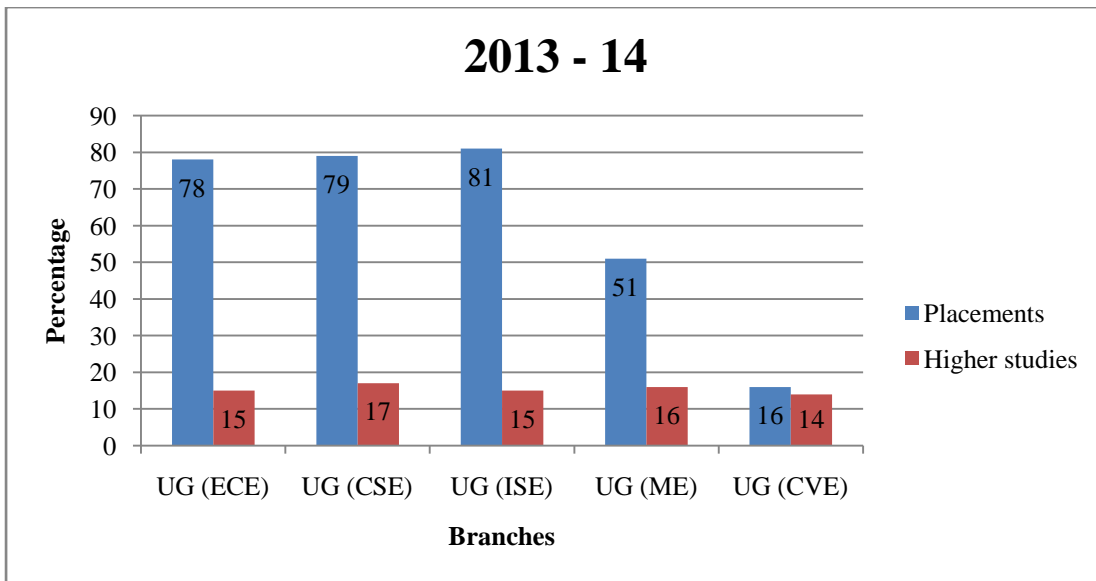
Some of the activities conducted by the institution involving student/faculty alumni.

Name of the Alumni (Student/Faculty)	Activity	Contribution
Captain Kashyap (Student)	Addressed students about career opportunities in Indian Air Force	Inspired students to join Indian Air Force.
Prof. Karunakar S (Faculty)	Seminar on “Composite materials”	Recent trends in composites involving their processing techniques and applications were discussed.
Rudresh M (Student)	Workshop on “3D modeling”	Students were told about new modeling softwares.
Vivekananda Prabhu (Student)	Workshop on “Automotive Engineering”	An insight of automotive engineering was presented to the students.

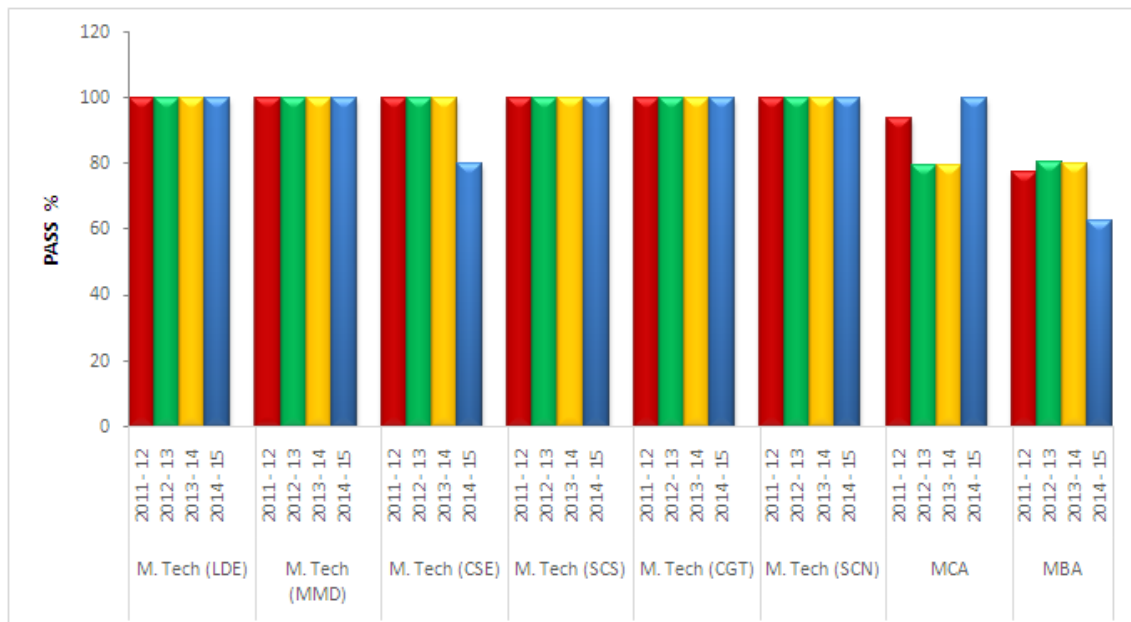
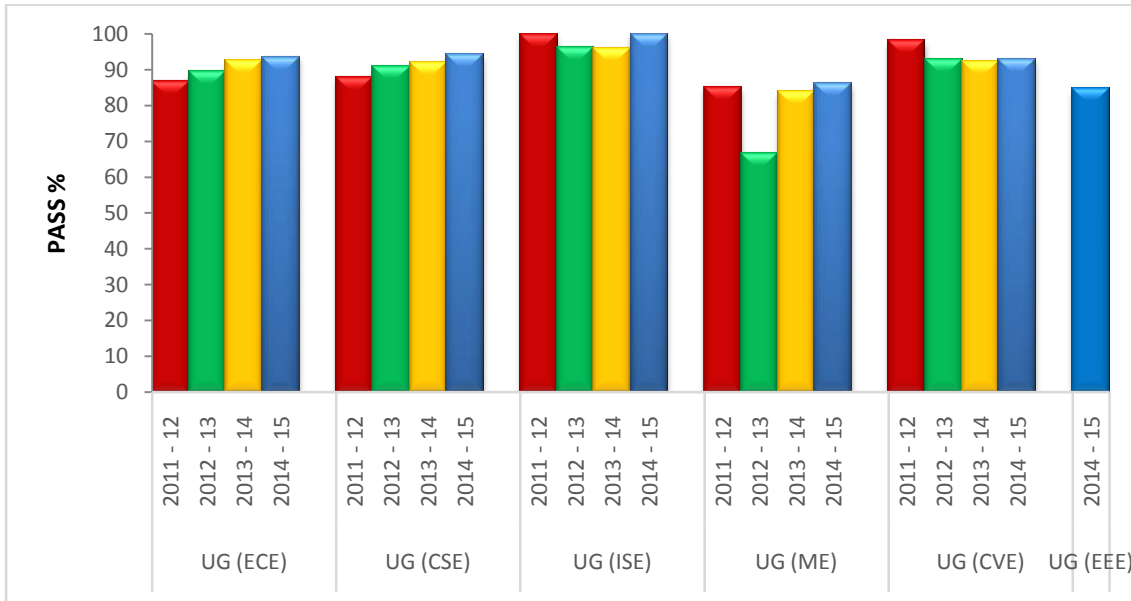
5.2. Student Progression

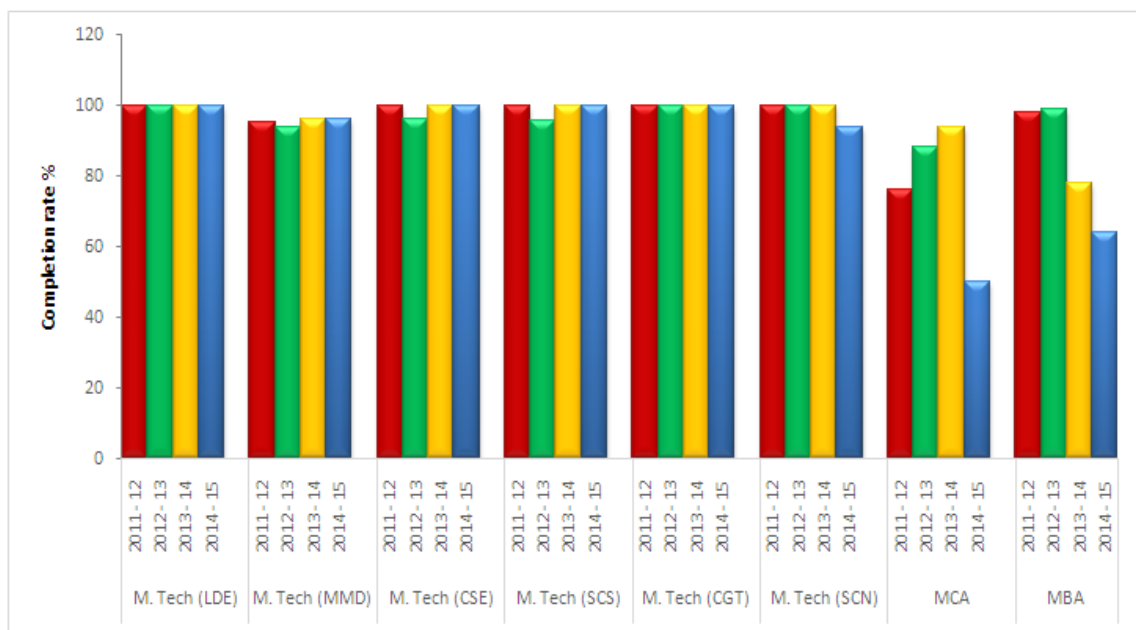
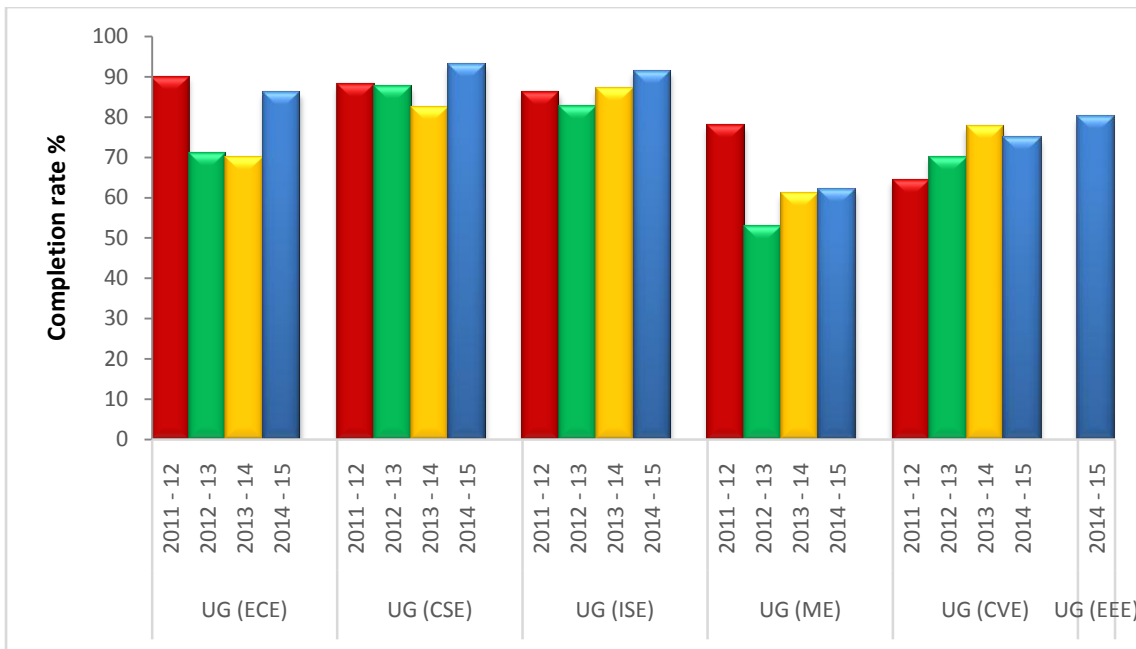
5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlights the trends observed





5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.





Year	Course	Pass Percentage	Pass percentage comparison with other colleges affiliated to the university within the city/district
2011-12	CIVIL(UG)	98	96
2012-13		92.78	95
2013-14		92.34	93
2014-15		93.00	92



Year	Course	Pass Percentage	Pass percentage comparison with other colleges affiliated to the university within the city/district
2011-12	ME(UG)	100	84
2012-13		66.67	62
2013-14		84.00	95
2014-15		86.13	82

Year	Course	Pass Percentage	Pass percentage comparison with other colleges affiliated to the university within the city/district
2011-12	ISE(UG)	100	90
2012-13		96.34	88
2013-14		96.00	90
2014-15		100	89

Year	Course	Pass Percentage	Pass percentage comparison with other colleges affiliated to the university within the city/district
2011-12	CSE(UG)	91.00	88
2012-13		91.00	91
2013-14		92.00	89
2014-15		94.31	88

Year	Course	Pass Percentage	Pass percentage comparison with other colleges affiliated to the university within the city/district
2011-12	ECE(UG)	87	85
2012-13		89.47	88
2013-14		92.37	88
2014-15		93.62	90



5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The institution has a placement coordinator who coordinates by providing pre placement drives by the training and placement cell to facilitate students towards employment. On/Off campus placement drives are arranged from reputed industries and organizations. Mock interviews are conducted in the department as part of training the students for facing and communicating with the industry. Students are motivated to pursue for higher studies.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- Special/remedial classes are conducted after regular working hours.
- Simplified notes material is provided for easy understanding of the subject.
- Question banks are discussed; assignments are given to slow learners.

5.3 Students participation and activities

5.3.1 List the range of sports, games, cultural and other extra-curricular activities available to students. Provide details of participation and program calendar.

The following sports/games are available to the students.

Sports/Games	Number of participants
Cricket	900
Badminton	72
Chess	61
Carom board	143
Discuss throw	115
Javelin throw	93
Shot-put	100
Football	150
Volley ball	150
Weight lifting	50
Running race	92
Kabaddi	150
Relay Race	4
Net ball	252



Basket ball	152
Long Jump	76

The institution runs an exclusive cricket club by name “Victory Cricket Club” that has former Ranji players to coach and train cricket players.

Physical Education Director keeps students busy in sports activities and plans for annual athletic meet every year in the month of March. Cultural fest and college day is also conducted in a grand way in the month of April as per academic calendar. Some of the extracurricular activities conducted in the institution are:

Extra-Curricular Activities	Number of students participated
Vibes	155
Music competition	52
Painting competition	58
Rangoli	50
Blood Donation Camp	102
Tree plantation program	155
Solo Dance	16
Group Dance	152
Solo Singing	13
Mad ads	31
Percussion	16
Dirt Race	31
Slow Drag	13
Photography	24
Dubsmash	41
Typomania	14
Hog-a-thon	21

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels; University/ State/ Zonal/ National/ International, etc. for the previous four years

Respective coordinators in each department of the institution are responsible in recognizing



student talent and give him specific training to participate in respective cultural and other co-curricular and extracurricular activities.

➤ **Achievements/participation in co curricular, extracurricular activities and cultural activities**

2012-13				
Sl. No	Name	Event	College/University/State/ National/International level	Place/Rank
1	Vaibhav Kumar D	Net Ball	National	1 st
2	Chaitra G	Athletics	College	Best Athletics
3	Harish	Basket Ball	State	Participated
4	Harshith S	High Jump	National	1 st
5	Harshith S	HighJump	National	3 rd
6	Harshith S	HighJump	State	2 nd
7	Harshith S	HighJump	VTU Inter Collegiate	1 st
2013-14				
Sl. No	Name	Event	College/University/State/ National/International level	Place/Rank
1	Darshan J B	Instant Programming	Inter collegiate	2 nd
2	Keerthana	Essay Writing	Inter collegiate	2 nd
3	Harshith S	High Jump	National	1 st
4	Harshith S	High Jump	VTU Inter Collegiate	1 st
2014-15				
Sl. No	Name	Event	College/University/State/ National/International level	Place/Rank
1	Abhiram, Asha rani C, Keerti, Vijay Amir A	Net Ball	National/ VTU inter collegiate	3 rd
2	Chaitra G	Athletics(100)	VTU inter collegiate	1 st
3	Chaitra G	Relay	VTU inter collegiate	3 rd
4	Chaitra G	Long Jump	VTU inter collegiate	2 nd
5	Chaitra G	Javelin	VTU inter collegiate	2 nd
6	Pushpa	Quiz	College	Participated
7	Nishanth N	Weight Lifting	VTU Inter Collegiate	1 st
8	Harshith S	High Jump	National	1 st
2015-16				
Sl.	Name	Event	College/University/State/ National/International level	Place/Rank



No			National/International level	
1	Harshith S	High Jump	State	1 st
2	Harshith S	High Jump	National	Participated
3	Nishanth N	Weight Lifting	State	3 st
4	Pavithra	Cricket	University	Participated
5	Womens	Net Ball	University	3 rd
6	Mens	Net Ball	University	3 rd
7	Srivatsa	Quiz	College	Participated
8	Prajeesh	Quiz	College	Participated
9	Sanjay	Quiz	College	Participated
10	Vivek	Quiz	College	Participated
11	Meghana J	Quiz	College	Participated
12	Chethana	Quiz	College	Participated
13	Vibha	Net ball	University	Participated
14	Sheetal Gowda K	Net ball	University	Participated
15	Usha	Net ball	University	Participated
16	Srinivas	Net ball	University	Participated
17	Punith	Net ball	University	Participated
18	Abhiram	Net ball	University	Participated
19	Yadhunandan D	Fencing	National-Junior	Participated
20	Yadhunandan D	Fencing	National-Senior Level	Participated
21	Yadhunandan D	Fencing	University	Participated
22	Harshith S	High Jump	University	1 st Place
23	Srinivas	Hand Ball	National	Participated

Department of Electronics and Communication Engineering				
Academic Year	Name of the student	Name of the event	College/University/State/ National/International level	Position
2013-14	Anjana R	IEEE Conference	Coimbatore	2 nd
Department of Computer Science and Engineering				
Academic Year	Name of the student	Name of the event	College/University/State/ National/International level	Position
2015-16	Goutam P Nayak	Classical Instrumental	VTU Inter Collegiate	1 st
2014-15	Goutam P Nayak	Instrumental fusion	State Level	1 st
2013-14	Goutam P Nayak	Classical Song	VTU inter collegiate	2 nd



2012-13	Vaibhav Kumar D	Intel Youth Enterprise Ideation Camp	VTU inter collegiate	Participated
Department of Mechanical Engineering				
Academic Year	Name of the student	Name of the event	College/University/State/ National/International level	Position
2015-16	Aditya Bharadwaj E Ashwin M Prashanth Singh U Bharadwaj N Nandan E Srinesh A Lalit Kumar B C Eithesham Kothwal Mallikarjun T R	SAE –BAJA	National	Participated
2014-15	Aditya Bharadwaj E Ashwin M Chetan Kumar G Bharadwaj N	Balloon Sat Competition	National	3 rd
2013-14	Abbu-Bakar Ansari, Naveen Kumar H P, Charles Avinash	PM Primer Training	National	Participated
2012-13	Shiva Jingade, Deepak , Omprakash, Shivwang Pandey, Kishan Padiyar	SAE –BAJA	National	Participated

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The institution takes formal and informal data from its graduates and employers and tries to



incorporate the valuable suggestions. Alumni coordinator regularly communicates with the passed out graduates and employers to get information about the availability of the job opening and any particular training to be given to the students.

A web site is made available through which the coordinators are responsible for interacting with the outside world and get the day-to-day progress in their respective industries. The institution collects the feedback from students in each semester and takes necessary measures for corrective action.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine and other material. List the publications materials brought out by the students during the previous four academic sessions.

The institution encourages all its students to publish their articles in the magazines. Students are advised to design posters, brochures for the technical symposia, workshops and Seminars conducted in the college. The student's publications involve

- Wall magazines
- Departmental Magazines
- Newsletters

Details of the student's publications are given in the following table:

Department	No. of Students Publications			
	2014-15	2013-14	2012-13	2011-12
Computer Science and Engineering	29	26	24	23
Electronics and Communication Engineering	27	25	23	21
Electricals and Electronics Engineering	02	02	01	01
Mechanical Engineering	14	13	13	12
Information Science and Engineering	18	15	05	01
MBA	03	02	01	01
Civil Engineering	23	20	17	17

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

No.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.



The Institution has academic bodies that actively encourages and involves student representatives in them. Senior staff members guide the students for active participation in the committees/societies formed. The student representatives are mainly involved for the conduction of these activities.

Name of the Committee	Name of the Students
Cultural committee	Divakar, Trived, Sriya, Yashas, Chaitra, Priyanka, Naveen, Nandan, Vishal, Aditya Bari, Glerin, Pradeep
Editorial Board for students magazines, wall magazines	Madhukar, shruthi H N, Sahana J, Sajan M, Vyshnavi M G, Atul Kumar
Departmental students association such as INSIGNIA, CENSA, INFOSEA, Civil engineering association, FLAME.	Aditya E Bharadwaj, Ashwin, Avinash Seena, Ashok
Sports committee	Manjunath Govind M, Harshith, Chaitra G, Asha Rani, Abhiram, Punith, Gagan Vijay
NSS	Arjun S, Mahesh, Akarsh, Manish, Madhu Gowda
Hostels-mess committee	Ashok, Aswhin Ponnanna
IQAC	Aishwarya, Rakshith

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution

The institution has developed a strong network with corporate through their alumni association.

The institution has a registered alumni association. The alumni association is engaged in organizing alumni meet from time to time.

The respective department has a strong network with alumni and former faculty by collaborating lectures and training programmes. Industry institute interaction cell also interacts with alumni and collaborates in development of teaching/learning process, training, research, and industrial visits.

Any other relevant information regarding student support and progression which the college would like to include:

-Nil-



CRITERION VI

GOVERNANCE, LEADERSHIP and MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the Institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, Institution's traditions and value orientations, vision for the future, etc.?

❖ **VISION**

- To Achieve Academic Excellence on par with Global Standards.

❖ **MISSION**

- To impart balanced, high quality education that nurtures the spirit of inquiry.
- To foster technological innovation.
- To give fillip to all-round personality development
- To implant ethical and social commitment that grooms the students to become responsible citizens

❖ **DISTINCTIVE CHARACTERISTICS OF MISSION**

- Most important and essential needs of the society is to build vibrant youngsters with the right attitude, strong skills and adequate knowledge. Hence, the institution was established with the mission to indoctrinate the right attitude, skills and knowledge.
- The right way to edify society is to train them, right from the grass root level through innovative minds in brightening the passion of today's younger generation.
- The institute started with a mission to empower and to bring out the inbound treasure of every student to lime light of the society through imparting quality education.
- To promote a right state of moral identity among students, the institute encourages students participation in social awareness programs such as blood donation camp, swath bharat, organ donation etc to groom them to become a responsible youths of the nation building.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?



Policies and plans of institution are discussed in the faculty and HOD's meeting, and are conveyed to the principal who further presents it in governing council, which is reviewed, suggestions if any are incorporated and approved. Governing council also takes initiatives in incorporating best practices followed world wide which is implemented by principal, HOD and faculty.

6.1.3 What is the involvement of the leadership

- The policy statements and action plans for fulfillment of the stated mission.
- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan.
- Interaction with stakeholders.
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders.
- Reinforcing the culture of excellence.
- Champion organizational change.

All the policy decisions and envisioning the policies through action plans have active participation of the leadership through discussion, suggestions and deliberations with the stakeholders before taking up such matters in the meetings of governing council. The governing council had exhaustively deliberated on the issue towards all round development of students and staff.

The leadership ensures that before formulating policies and finalizing action plans, inputs from stakeholders are available to them. Based on the inputs from the HoDs through Principal, the governing council authorizes the Principal for necessary actions.

Based on identification of needs through research, analysis and also consultation with various stakeholders, leadership ensures that necessary support for policy and planning in terms of funds infrastructural and academic requirements is always extended from their end.

The leadership advocates the excellence in all aspects and processes including academic and administrative process. Beyond guidelines of regulatory bodies leadership is always enthusiastic to implement the best innovative ideas in teaching learning and research.

Leadership ensures champion of organizational change as firm commitment to introduce the changes as per the need of the hour.

6.1.4 What are the procedures adopted by the Institution to monitor and evaluate policies and plans of the Institution for effective implementation and improvement from time to time?



The Institution monitors and evaluates plans and policies through various committees where Principal, HOD's and faculty are members.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

S#	Name of the Committee	Chairman and Co-ordinator		
		Name	Department	Designation
1	PG Courses, Research and Development, Workshops / Seminars	Dr. Suresh M B	ISE	Chief Co-ordinator
		Dr. Satish Babu B	MECH	Co-ordinator
2	Campus Connect program, Pre- Placement training programs, Placement activities, Alumni, Publicity / Newsletter / Magazines.	Dr. Suresh M B	ISE	Chief Co-ordinator
		Prof. Chidananda Prasad	MECH	Co-ordinator
		Prof. Stany R Miranda	ENGLISH	Co-ordinator
		Mrs. Shruthi T V	ISE	Co-ordinator
3	Departmental Associations.	HODs' of respective Departments.		
4	Academic committee/work load. Calculations, calendar of events, result analysis, time table/Classes monitoring committee etc.,	Dr. Arun Biradar	CSE	Chief Co-ordinator
		Prof. Prasanna Kumar M	CSE	Co-ordinator
5	VTU Examination /Tests.	Dr. S G Hiremath	ECE	Chief Co-ordinator
		Dr. Shashikumar R	ECE	Co-ordinator
		Mr. Nagabhushana G S	Office	Co-ordinator
6	Sports / Cultural / Functions, Program / Prizes and award committee	Dr. Maruthi B H	MECH.	Chief Co-ordinator
		Prof. Shivakumar H M	MATHS	Co-ordinator
7	ISTE Chapter / N.S.S / Transportation / Canteen / Hostels / Parking / Arrangements for faculty meeting	Dr. Nagaswarupa H P	BS&H	Co-ordinator
		Dr. Prashantha S C	PHY.	Co-ordinator
8	Anti ragging and Disciplinary/ Anti Sexual Harassment/ Human Rights/ Mobile.	Prof. Srinivasamurthy	EEE	Chief Co-ordinator
		Prof. Shivakumar H M	BS&H	Co-ordinator
		Prof. Guruprasad H L	MECH.	Co-ordinator
		Ms. Manjula N	BS&H	Co-ordinator



		Mrs. Chinmayi	EEE	Co-ordinator
		Mrs. Manjula B B	ECE	Co-ordinator
9	Library/ Preparation of Lab Manuals, Q.B, Resource Material.	Prof. Srinivasamurthy R V	EEE	Chief Co-ordinator
		Prof. Nagaraja Gupta M S	CIVIL	Co-ordinator
		Prof. Aravind K U	MECH.	Co-ordinator
		Mrs. Savitha T	ISE	Co-ordinator
		Mrs. Mangala C N	CSE	Co-ordinator
		Mrs. Malathi R	LIB.	Co-ordinator
10	Counselors /Mentors/Class teachers/Progress reports/ Parents Teachers Meet.	Dr. Arun Biradar	CSE	Chief Co-ordinator
		Dr. Prashantha S C	BS&H	Chief Co-ordinator
		Dr. Rajeswari A	BS&H	Co-ordinator
		Prof. Nagaraj Gupta M S	CIVIL	Co-ordinator
		Prof. Chandan Raj B R	CSE	Co-ordinator
		Mr. Vivekananda Prabhu	MECH.	Co-ordinator
		Mr. Prathap B N	MBA	Co-ordinator
11	Finance / Budget/ Purchase/ Stock verification/ inventory committee.	Dr. K Channakeshavalu	Principal	Chief Co-ordinator
		HODs' of respective Departments.		
12	Internet/Wi-Fi/ Web/ UPS/ EDUSAT/ Computers peripherals/Software/Printers / Website inform./ System maintenance, Online / Offline exams conduction etc.,	Prof. Chandan Raj B R	CSE	Chief Co-ordinator
		Mr. Praveen K S	MCA	Co-ordinator
		Mr. Padmanabha B A	CSE	Co-ordinator
		Mr. Raghavendra	ISE	Co-ordinator
13	Staff selection and review committee.	Principal, HODs' of respective Departments and Subjects Experts		
14	Planning Committee	Chairman, Director, Principal and HODs' of respective Departments.		
15	Academic, Publication and Audit Committee	Principal and HODs' of respective Departments.		
16	Admission committee (CET, COMED- K, Lateral entry, Management)	Chairman, Director and Principal		
17	Appointments (Academic, exams, RandD, PG Studies, social activities,	Chairman, Director, Principal, HODs' of respective Departments and Subject Expert		



	community development, training development etc.)	
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6.1.6 How does the college groom leadership at various levels?

The management always encourages and supports the interest of the staff for the enhancement of the effectiveness and efficiency of the institutional development. The management with the assistance of the head of the institution entails the staff members in various activities associated to the improvement of the institution. The staff members are involved through partaking in different committees such as anti ragging committee, grievance redressal committee, training and placement committee, etc. Some of the activities of the institution that assist the staff members to prepare themselves as high-quality leaders.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the Institution and work towards decentralized governance system?

The Principal is the executive head of the institution. Nevertheless, the administrative responsibilities are delegated to all the department heads to ensure a decentralized governance system. The Principal, as the head of the institution has the authority to delegate autonomy up to Rs. 1,00,000 where in all the heads of the department are empowered to delegate autonomy up to Rs. 20,000. Faculty members are authorized to purchase the books which are not accessible in the library amounting up to Rs. 1000. The department heads play a vital role in advising the Principal and GC on matters of academic administration, student affairs and any other academic related substance referred to them.

6.1.8 Does the college promote a culture of participative management? If “yes”, indicate the levels of participative management.

The Institute promotes culture of participative management at all levels, involving academic and non-academic matters discussing it regularly at various levels. During the meeting, views of faculty are considered and minutes of meeting are drawn and circulated to all concerned for effective implementation. Further, HoDs, teaching and non teaching staff members are members of various institutional committees.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

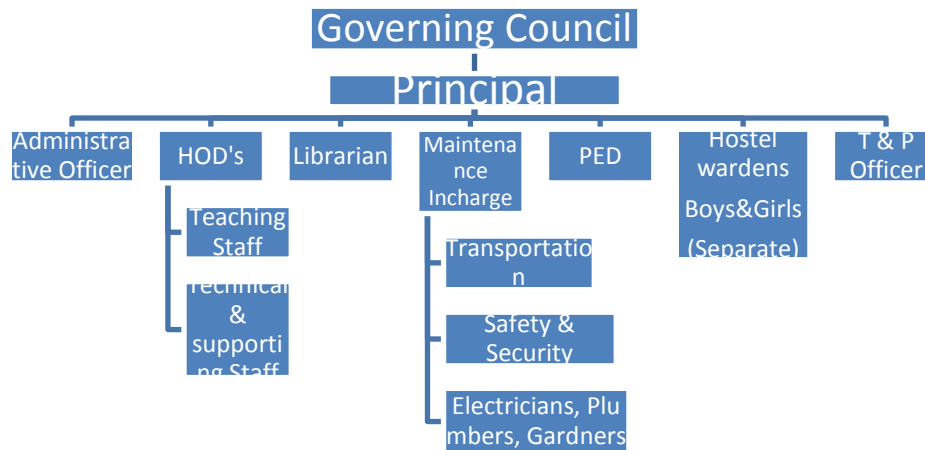
Yes, the institute has a quality policy. It is developed and driven on requirement of the society and industry. It is reviewed in consultation with stakeholders and deployed accordingly.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes, the Institute has a perspective plan for development

The perspective plan of the institution is

- To get 12B and 2f
- To get all the accreditations
- To get Autonomous status
- To create centers of excellence for research and development.
- To become a deemed university.

6.2.3 Describe the internal organizational structure and decision making processes.**6.2.4 Give a broad description of the quality improvement strategies of the Institution for each of the following****• Teaching and Learning**

The institution meets all the requirements of staff as per AICTE norms and appointed them through staff selection committee. At the same time, the institution enforces the teaching staff to plan teaching materials and methods of teaching under the due direction of Heads of the Departments and the senior most faculty members. The totality of understanding achieved by the student community is evaluated repeatedly during periodical tests, pre-final examinations and laboratory tests etc., based on the assessment, the weak students are given extra teaching classes / bridge courses / laboratory classes etc.,

• Research and Development

The institution provides the required facilities to most of the faculty members to pursue research in the chosen area. In addition to this, institution exposes/motivates faculty for doing sponsored projects. Emphases on creation of research centers and further developing them to center of excellence.



- **Community engagement**

Institute religiously follows all central and state level scheme for community development. Institution along with the international, national and state level organizations conduct various Community engagement programs.

- **Human resource management**

Complete transparency is maintained in recruitment and selection process of human resource. Employees are supported by good infrastructural facilities and conducive working environment. Good support is extended by the Institute to the faculty members in taking research and consultancy activities.

- **Industry Interaction**

Institute has an Industry institute interaction cell which is established with the motto of developing good relationship with the industry for industrial visits, invited talks, extension activities.

6.2.5 How does the Head of the Institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the Institution?

HoDs, III cell head and TandP officer share their experiences which are communicated to the management for their information.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

Management encourages and supports the involvement of the staff in improving the efficiency and aptitude of the institutional progression by providing indispensable infrastructure and financial assistance to the faculty members. The teaching staff are provided with study leave to pursue Ph.D work. In addition to this, they are also provided leave and reimbursement of registration fees for participating in national /international conferences. Faculty members are provided with opportunities to convene/ part-takeing in different conferences, seminars, workshops, FDPs etc. to facilitate their proficiency towards career development.

During meeting, the perceptions of every faculty members are taken into consideration, and minutes of meeting are drawn and circulated for the effective implementation of the institutional process.



6.2.7 Enumerate the resolutions made by the management council in the last year and the status of implementation of such resolutions.

✓ Resolutions made in the GC Meeting:

- ❖ The Management council has resolved to start the process of NBA and NAAC for all the Branches in the last year.
- ❖ To obtain the Status of recognition of institution under section 2(f) / 12(B) of the UGC Act, 1956.
- ❖ To involve in industry oriented Lectures, Technical talks.
- ❖ To visit various industries / organizations to get good industry exposures.
- ❖ Research Scholars and Sr. Faculty members should write project proposals.
- ❖ To conduct one activity per semester from each department which are highly beneficial to the students and staff members.
- ❖ To stabilize the intake of the UG courses.

✓ Implementations of such resolutions

- ❖ The Institution has started the process of NAAC.
- ❖ The Institution has applied for 2(f) / 12(B) of the UGC Act, 1956.
- ❖ The Senior Professors have submitted projects proposals to VGST, Dept. of Science and Technology, Govt. of Karnataka.
- ❖ Conducted Seminars and workshops from Eminent Professors and Industry Experts.

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated Institution? If “yes”, what are the efforts made by the Institution in obtaining autonomy?

Yes, the institution holds four recognized programs permanently affiliated to VTU and has also applied for other courses for which the assessment is being performed. Currently, we have applied for 12B and NAAC accreditation which is under progress. The institution has future intends going for NBA accreditation.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

The department heads concentrates on the grievances of the stakeholders and resolves them with an immediate action. If needed, the problems are forwarded to “Grievance Redressal Committee” straight away. The committee is guided by the principles of natural justice while



deciding on the specific accusation. The committee does needful in this regard and sets out the problem at the earliest and corresponds the same to all concerned stakeholders.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the Institute? Provide details on the issues and decisions of the courts on these?

NIL

6.2.11 Does the Institution have a mechanism for analyzing student feedback on Institutional performance? If “yes”, what was the outcome and response of the Institution to such an effort?

Yes, student feed back system is followed effectively in gauging the effectiveness of classroom and lab teaching.

Feedback is obtained namelessly in a format from all the students once in a semester. Feedback report will be discussed with the staff, area for improvement is identified and action is initiated against the problems on continuous basis.

HOD's will collect individual feedback from the toppers on various areas.

Alumni students give feedback about the institution in every meeting. The minutes will be recorded and forwarded to the top management.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the Institution to enhance the professional development of its teaching and non-teaching staff?

The institution encourages teaching staff to attend FDP training programs, management development program, seminars and other enriching activities. New equipments' have been installed and training will be provided by the company to all the non-teaching staffs with all required operating skill. Computer literacy programs are also being conducted recently for non- teaching staff to enhance knowledge for the all round development of the institution.



6.3.2 What are the strategies adopted by the Institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

Faculty members are appreciated and motivated for their performance by means of certificates and cash awards. At the same they are encouraged to attend the seminars conferences as well as refresher courses organized by university and AICTE by providing on duty. Orientation programmes are also conducted for the newly recruited faculty members once in a year to learn teaching process.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Faculty members have been asked to fill the annual performance appraisal report every academic year. Appraisal based on the following criteria,

- Experience (Teaching and Industry)
- Activities and contribution made in academic and administration (Institution level, Department level and National level)
- Developmental activities
- Research
- Contribution to the placement
- Self appraisal of the respective candidates.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The management, Principal and HOD's are involved in reviewing the performance appraisal report. Top management reviews the performance of the faculty's appraisal, which reflects in increment, incentive, allowances and promotions. The major decisions taken were inclusion of R&D funds to faculty members on monthly basis. The same is communicated to the respective members. Promotion order copies are also filed in their individual files and maintained in the Principal office.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- Maternity leave



- Blazers are given to faculty members free of cost.
- Two weeks vacation leave every semester
- Provision for laptop on installments.
- Complete institution fees are waved off for the wards of employees studying in group of institutions.
- Advances to faculty and staff without interest
- Marriage leave
- EPF and ESI are provided to all teaching and non-teaching staff members.

100% of staff have availed the benefit of such schemes in the last four years

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Faculty members are supported with good infrastructural facilities and positive working environment.

- R&D fund is given to the faculty members in pursuance of research activities.
- Institute rewards the staff objectively.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the Institutional mechanism to monitor effective and efficient use of available financial resources?

The financial resources of the institution are sufficient, stable to sustain and achieve the institutional educational objectives. Department heads prepare the budget proposal based on their requirements and submit to the management every academic year. The top management reviews the budget proposals and approve accordingly. The purchases are made strictly according to comparative statement of the quotations called. If any deviation occurs in the budget, respective HODs have to address the issue and give justification so that, subsequently the same will be approved. Following this procedure, unnecessary purchases are avoided and the available funds are effectively utilized.

6.4.2 What are the Institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The institution has hired two people with required qualification for internal audit. For external audit institution has a tie up with M/s Poojari and Associates. Last Audit done on 31st March 2015 and no major audit objections found.



6.4.3 What are the major sources of Institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

Tuition fee collected from students is the major source of the institution. In addition, management is funding for capital expenses like new building and major equipments required if any. The audited income and expenditure statement for all the previous years are made available in accounts section of the college.

6.4.4 Give details on the efforts made by the Institution in securing additional funding and the utilization of the same (if any).

S #	Dept.	Grant - in - Aid received by the Laboratories	Grant - in - Aid received from	Title of the Project	Co-ordinator Name	Year	Grant - in - Aid Sanctioned letter no.	Total Amount	Process of utilization
1	BSH	R and D Center, Dept. of BS&H	VGST, Dept. of IT, BT, and ST, GOK	Study of Dusty Viscous Fluid Flows	Dr. Madhura K R	2010 -11	VGST/Seed Money 2009-10/MS-59/10-11 154 Dated 26.05.10 and 07.06.10 AND VGST/Seed Money 2009-10/MS-59/10-11 645 Dated 05.03.11	400000.00	Completed
2	Mech. Engg.	Material Science and Metallurgical Testing Laboratory	MODR OBS, AICTE, New Delhi	Material Science and Metallurgical Testing Laboratory	Dr. Suresh P M	2011-12	8024/RIFD/MOD-70 (Pvt.)/Policy-III/2011-12, Dated 02.03.12	700000.00	Completed
3	BSH	Student project, Dept. of BS&H	VGST, Dept. of IT, BT, and ST, GOK	Recovery of Metals from Grinding Wastes by Chemical Method	Dr. Nagaswarupa H P	2012 -13	VGST/TRIP/2012-13/242 Dated 22.12.12	40000.00	Completed
4	BSH	R and D Center Dept. of BS&H	VGST, Dept. of IT, BT, and ST, GOK	Development of Low Cost Nano-Particles for Corrosion Resistance Studies	Dr. Nagaswarupa H P	2012 -13	VGST/CISEE/2012-13/282	3000000.00	On going
5	ECE	Advanced Embedded / DSP	MODR OBS, AICTE, New	Modernization of Advanced Embedded	Dr. S G Hiremath	2012 -13	12/AICTE/RIFD/MOD (Policy-1)Pvt-09/2012-13 Dated	900000.00	Completed



Self Study Report

		Lab	Delhi	d / DSP Lab			06.02.2013		
6	ECE and Chemistry	FDP	VTU – VGST FDP	Micro Nano Technology in Small Satellites	Dr. Dinesh Rangappa and Dr. K Channakeshavalu	2012-13	VTU/Aca./2012-13/A-9/294 dated 10.04.2013	200000.00	Completed
7	CSE	Electronic circuit and LD and Micro Processor Laboratory	MODROBS, AICTE, New Delhi	Modernization of Electronic circuit and LD and Micro Processor Laboratory for Graduate and Post Graduate courses	Dr. Arun Biradar	2013-14	F.No.9-237/RIFD / MODROB/POLICY-2/2013-14	895000.00	Completed
8	BSH	R and D Center Dept. of BS&H	VGST	"Green Synthesis of rare earth (Re3+) doped forsterite for WLEDs using palnt latex"	Dr. S C Prashantah	2013-14	VGST/P5/TRIP/2013-14	40000.00	Completed
9	BSH	R and D Center Dept. of BS&H	VGST	Development of novel Nanophosphor materials for Dosimetry and display Applications	Dr. S C Prashantha	2014-15	VGST/K-FIST(L1)/GRD-360/2014-15	2000000.00	On going
10	BSH	Student project, Dept. of BS&H	VGST, Dept. of IT, BT, and ST, GOK	Recovery of Nano Metal borates for battery and super capacitor applications	Dr. Nagaswarupa HP	2015-16	VGST/TRIP/2015-16 dated 05/03/16	40000.00	Received
Total Amount								8215000.00	



6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. **Has the Institution established an Internal Quality Assurance Cell (IQAC)? If “yes”, what is the Institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

Yes,

Quality Policy

- To inculcate the values of DISCIPLINE, DEDICATION and DUTY and inspire the young students to imbibe them scrupulously.
 - To standardize and document every activity as per stipulated quality policy.
 - To pave way for sustainable knowledge based education to replace the ubiquitous Examination oriented education.
 - To develop compassion to fellow citizens.
- b. **How many decisions of the IQAC have been approved by the management authorities for implementation and how many of them were actually implemented?**
- Only one IQAC meeting has been done till date where few recommendations were given out of which four have been approved by the management authority
- c. **Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**

Yes, IQAC has external members on its committee.

Significant contribution by external members of IQAC

- Dr. V Krishna Murthy, Registrar PES university suggested to constitute Academic Audit Committee , Department Advisory Committee, Department Curriculum Committee and Class committee.
 - Dr. Sachin Sinha, President, Narain Seva Sansthan given his valuable suggestions towards social responsibilities.
- d. **How do students and alumni contribute to the effective functioning of the IQAC?**
- Students and alumni have taken active participation in IQAC meeting and they have provide valuable inputs on various aspects.
- e. **How does the IQAC communicate and engage staff from different constituents of the Institution?**
- IQAC is constituted wherein the faculty members representing all the departments are the members.



- The members in turn communicate the proceedings of the meetings and resolutions made to the faculty members of the department.

6.5.2 Does the Institution have an integrated framework for Quality assurance of the academic and administrative activities? If “yes”, give details on its operationalisation.

Yes, the institute has an integrated framework for quality assurance of the academic and administrative activities. It is achieved through structured internal audits. Daily and weekly work abstract are maintained in all the departments under the supervision of respective HOD

6.5.3 Does the institution provide training to its staff for effective implementation of the quality assurance procedures? If “yes”, give details enumerating its impact.

Yes, the senior faculty members of the institution are permitted to undergo the audit courses to enable them to perform the internal audit impartially, they take up an internal audit through the academic audit committee of the institute. Further, all the staff members are also trained at the department level.

6.5.4 Does the Institution undertake Academic Audit or other external review of the academic provisions? If “yes”, how are the outcomes used to improve the Institutional activities?

Academic audit committee has been formed which will undertake academic audit and give suggestions.

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Apart from the audit done through the academic audit committee the internal quality assurance mechanism ensures the institution comply to the requirements of the regulatory authorities.

6.5.6 What Institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Institute has formal and informal mechanism for continuous reviewing of teaching learning process. Some of the informal mechanism is taking feedback from immediate passing out students, toppers of each semester per department, peer experts.



Formal feedback on teaching learning process is taken at different levels:

Students: Formal online feedback once in a semester.

Faculty: Daily and weekly work abstracts are analyzed and counseling / guidance of the faculty for improvement is done by the HoD.

Evaluation Plan: Institute conducts class tests as scheduled in Academic Calendar.

The evaluated answer sheets are shown to the students with proper feedback and discussion by concerned Faculty members. Internal assessment also incorporates marks of home assignments/ presentations which are given to every student by the respective course teacher at the commencement of semester.

6.5.7 How does the Institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The Institute communicates quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders in the following manner:

- Quality policy of the institution is displayed in all prominent places and on the institute website copies are made available to all faculty and staff members.
- The communication is also ensured by displaying notices and circulars on the notice boards.
- Details are also uploaded on institute's website for external stakeholders.

Any other relevant information regarding Governance Leadership and Management which the college would like to include

Nil



CRITERIA VII

INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

The institution conducts surveys and maintain numbering of trees, on regular basis to ensure, institute remain a green campus.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Energy conservation: Ample provision is made for natural illumination and ventilation across the campus, therefore the usage of power is minimum. Use of LED bulbs is adopted. To create awareness among students and staff programmes were conducted. Save energy boards are displayed in each room.

Use of renewable energy: To use renewable energy solar water heaters are used in hostels. Institute is planning to install solar panels on roof top of academic blocks.

Water Harvesting: Water harvesting system is available with a storage of fifty thousand liters capacity. Institution has bore well recharging pits.

Check dam construction: No

Efforts for Carbon neutrality: As the campus is away from the noise and pollution of the city and carbon free environment. The institute is situated in a serene atmosphere and 869 trees and greenery is available. To create awareness among students and staff programmes are conducted.

Plantation: 869 trees and 461 pots are planted.

Hazardous Waste Management: NA

e-waste Management: E-waste is accumulated and periodically handed over to the certified agencies/vendors of electronic equipment for safe and proper disposal.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

The institution believes in innovative teaching methods. Keeping this in mind the institution has adopted modern methods of teaching within and beyond class room which have created a positive impact on the functioning of the institute.



The evidence of improvement in learning is seen in the increase in the pass percentage of the students.

The details of innovations introduced during the last four years is listed below:

Faculty name	Teaching method
Anand M.	Explanation of image processing using simulations and live models. Image enhancement is done by using NPTEL Lecture. Image Restoration is done by using NPTEL Lecture.
Anil N.S.	Explanation of Various Coordinate Systems using Simulations and Practical Demo models for better Understanding of the Field and waves. RC coupled amplifier is done by using NPTEL Lecture. Optical fiber mechanical properties is done by using NPTEL Lecture
Chinmayi	PID Control made easy by using interactive sessions. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kruthika Priyadarshini	PID Control made easy by using simulations. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mangala C.N	Massively Empowered Classrooms Tool Provided by Microsoft to teach Analysis and design of Algorithms
Madhura G Sunil	Massively Empowered Classrooms Tool Provided by Microsoft to teach Analysis and design of Algorithms. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjushree Patil.	Animations to explain some Protocols in Computer Networking.
Dhanraj	Animations to explain some Protocols in Computer Networking.
Rajshekar S.A.	ICT and models
Dr.Ramesh B R	ICT, models and puzzles
Dr. Shashishekar T R	Webinar on Carbon Credits-Citizens roles. Lab equipment's, models
Nagaraja Gupta	ICT, models, rock samples and social network. RCC is done by using NPTEL Lecture
Dr.Radhika K N	Video lectures, animations
Ashwini G	ICT, models and puzzles
Geetha K	Mock stock trading to give students hands on experience on how the stock Exchange works.
Prathap	Various Management games are Conducted to Inculcate leadership and team work.
Divya H.N.	Signals and systems fundamentals are done by using NPTEL Lecture
Santhosh Kumar	webinar on Oracle database fundamental. Java Programing explained by using NPTEL Lecture. Basic diode operation is done by using NPTEL Lecture



Shruthi T.V	Webinar on Internet of things
Hemanth Kumar	Webinar on Software Engineering and Cloud Security
Dr. ArunBirdar	Webinar on visual studio light switch. Webinar on UNISYS Campus Connect 2014
Dr.Suresh M.B	Webinar on social network analysis. Webinar on Indian Recruiting Trends 2015
Chidanand Prasad R	Webinar on Take wings a look at the future. Webinar on bloom's taxonomy. Webinar on Inspire faculty Excellence Awards
Dr.Channakeshavalu K	Webinar on Take a wings a look at the future
Dr. Maruthi B.H	Webinar on mobility-anything ,anywhere, anytime
Dr S G Hiremath	Webinar on software engineering cloud security
Shruthi T.V	Webinar on Overview of Big data technology landscape
Shana Devi	Industrial visit to BHEL to explain PLC, Solar panel for final year EC students.Case Study used to explain the management and Entrepreneurship. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Pramila B	Industrial visit to INFOSYS, to look in to software creation cycle.. HDL programing is done by using NPTEL Lecture. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Naveen Kumar B K	CMOS fundamentals are done by using NPTEL Lecture. Webinar on outcome based education. Microcontroller timer and counters programing is done by using NPTEL Lecture
Manjula B B	Industrial visit to BOSCH, Bangalore, students are exposed to automotive relays . C++ Data Structures is done by using NPTEL Lecture. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Prathap	Case Study used to explain the managerial skills.
Chidanand Prasad R	CMOS design flow explained by using NPTEL Lecture.
Ravichandra V	Microprocessor is done by using NPTEL Lecture
Prasanna	Big Data is done by using NPTEL Lecture
Jagadisha	Case Study used to explain Stack exchange.
Prathap	Case Study used to explain Banking system
Sharma	Role Play Conducted to explain Network analysis
Chethana Srinivas	Optical fiber mechanical properties is done by using NPTEL Lecture. Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Arvind G	IC engine is done by using NPTEL Lecture
Sandeep	Operating systems explained by using NPTEL Lecture
Jagadisha	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Manjunath	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server..
Prasanna Kumar M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rajshekhar S A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mangala C N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chandan Raj	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjushree Patel	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dhanraj	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Deepu S R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kiran M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sagar B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Anusha K L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Lakshmikantha S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Hemantha Y K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Prasanna G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Basavaraj S H	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shylaja B.R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sunanda V K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vinod H.N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Poornima T	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vinutha S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Swetha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Harsha A C	Uploading of TEST ME (Online Aptitude) question Bank to the



	MOODLE Server.
Suhas G K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Deepaka R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mamatha A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Akshata K.L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ramya R.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vedha C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rashmi H.P	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Bindushree G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Bhagya L.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kotresh H M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
K Sudheendra	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sandeep R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Bhagya	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rohith H S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Roopashree K M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Divya B.N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Naveen V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Akashya Y M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Radha J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manasa S.	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vedavathi B S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Manjunath N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Namaratha Naikar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ramya N K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Yashshwini	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ashwini S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sneha	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sushma R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vidyashree N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjula G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Jagadisha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Smitha P	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Savitha T	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Usha M V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ravikumar J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjula B S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Geetha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chethana	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vidya K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Divya K V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Roopa Mahadev	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shruthi J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Hemanth Kumar	Uploading of TEST ME (Online Aptitude) question Bank to the



	MOODLE Server.
Shashank H P	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Geetha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chethana	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Vidya K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Divya K V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mamatha B N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Bhavya T	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rashmi J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr. B R Channappa	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr. Radhika K N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
P S Prasanna	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
KalaswamyNaika D	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Pushpa B L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shruthi H K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vinod Shavare	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mamatha A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vijay Kumar D	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Arun Kumar H R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Harish C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shivakumar M Hosamani	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Deepa C S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Sreedevi R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Ramyashree	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Raghunandan C Mantri	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Swapna V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Nagarjuna S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shilpa B S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Girish S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
ManjunathItagi	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
B K Smitha	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rajeshwari B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Usha K N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Soumya R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mohan K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Tejnatha R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rakesh C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Raghuveer N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Siddesh N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rohith B E	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Naveen R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Basavana Gowda	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Swathi Rani K S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Deepthi H O	Uploading of TEST ME (Online Aptitude) question Bank to the



	MOODLE Server.
Srilakshmi R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shruthi B J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Meghana Prasad	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Shwetha D	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shridhara D G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Akhila S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Honnegowda	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Prakyat	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Divya T S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Allumella Naveena	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr.R.Chandra Moorthy	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr.N.S.Nagesh Rao	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr.Raghavendra. B. N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Prathap.B.N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Nethravathi. N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sharma K.R.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sushma.J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Pavan Kumar.P.V	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Divya H N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Pavithra.B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Abhilash	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Sowmya.B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr. Sathish Babu B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chidananda Prasad. R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Puttaswamaiah.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Chandru.B.T	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Guruprasad.H.L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Punith Gowda.K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Aravind.K.U	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rudresh.M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Santhosh Kumar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Venkatesh.N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Harish H	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rakshith A N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Gunesh N Ravnkar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Rohini H.S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Swethashree.B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shivraj J	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vivekananda prabhu N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sreekanth A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Annapoorna K	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Muruli B H	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vijayashree Nagaral	Uploading of TEST ME (Online Aptitude) question Bank to the



	MOODLE Server.
Nandan M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Puneeth K S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mruthyunjaya Manchali	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vinay Kumar R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Anil P	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Krishnakant. Bhole	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Umesh Babu G	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Thippeswamy	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Vithun S N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server
Chennakeshava	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manajunath	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Karthik	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Raghu	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Appaji Gowda B M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kodandaram N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Praveen Kumar M B	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mallika	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manoranjan S N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Dr.A Rajeswari	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Sharada K A	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Revathi R	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.



Nagalambika. S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Praveen k s	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Nagaveni	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shailesh Prasad	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Lakshmi reddy s	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Kaalidoss	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Suneetha L	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Vidya S	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Shilpa C	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Anitha N	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
C S L Madhavi	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Srinivasan M	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Manjula Biradar	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.
Mrudula Mittal	Uploading of TEST ME (Online Aptitude) question Bank to the MOODLE Server.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no.98, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Title of the Practice

1. Digital Departmental Library: In House Built Software

Goal:

The idea of easy, finger-tip access to information, what we conceptualize as digital libraries today, and has continued to evolve with each advance in information science. With the arrival of computers, the concept centered on large bibliographic databases.

To project a sense of discipline in planning, organizing and managing the library tasks to meet



and access the requirements of staff and students through in house built software.

- To perform the tasks of issue and return of books to students on line
- To maintain database of students, books borrowed from the department library
- Easy maintenance of accession register and updation of books

The Context:

The in-built software is widely used for the creation, storage, retrieval and management of bibliographic records and/or indexes. Using this software, record format can be maintained in the database wherein, it provides for authority control/login control, subject titles/volumes etc. There are two different interfaces for search engine and retrieval of the catalog used through the software.

- The inhouse software allows the admin to maintain the library database (the main cataloging module),
- For users, the software allows to search and show the results – through Online Public Access Catalog (OPAC)

The Practice:

This software is used in all departments to issue, borrow books from department library.

The software is successfully installed and used to maintain the database of books, titles/volumes, and journals. The software is also used as accession register to sustain the complete details of departmental library

With the assistance of this software, Library Management can track records of new book and retrieving the details of book available in the library. It also provides the list of books available with its details.

Module description:

1. Material entry module:

With this module entry of books is done with all the details of books like book number, name of the book, author, publisher etc.

2. Member entry module:

All students and faculty member's details is added to the database.

3. Transaction module:

This particular module includes issue of the books and returned date of the books

4. Search:

The module searches the particular book or member details regarding the books issued or returned.

5. Reports :

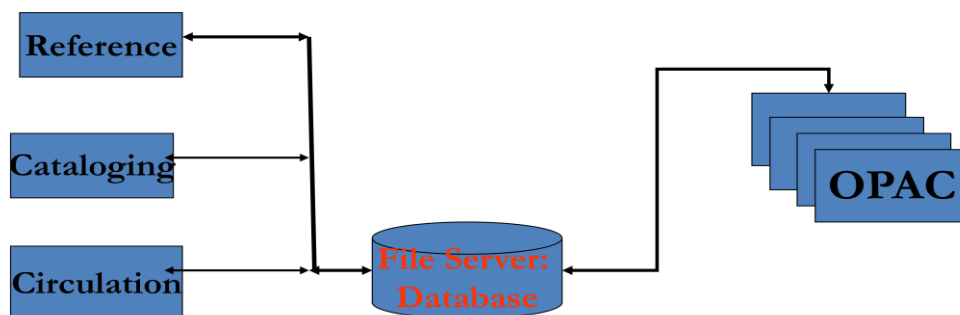
This includes the report of books transactions and used to generate digital accession register.

Limitation

- Lack of availability of servers for instant access of data.
- Lack of requirement of LAN service for accessing data.

The evidence of success:

The students used digitalized library facility extensively to retrieve library information like online access to e-books and other library resources without much difficulty through a mobile application. The complete inhouse software installation and barcode scanning of books will be done in the departmental library to assist digitalization. Barcode scanning is helpful in digitization and for fast entry of books details in the database.

**A Local Area Network****Problems Encountered and resource required:**

- Manual maintenance of books, data and accession register requires more time.
- The database maintenance of the register is difficult.
- The report generation fails to possess much accuracy.

Hence, the department planned to have separate software in this regard in order to reduce the problem in database maintenance.

Resources required are the skilled faculty members to develop and run the software.

Technical architecture

The first issue is that of the technical architecture that underlies any digital library system. Libraries will need to enhance and upgrade current technical architectures to accommodate digital materials. The architecture will include components such as:

- High-speed local network.
- Relational databases that support a variety of digital formats



- Full text search engines to index and provide access to resources
- Electronic document management functions that will aid in the overall management of digital resources

Metadata

Metadata is another issue central to the development of digital libraries. Metadata is the data that describes the content and attributes of any particular item in a digital library. It is a concept familiar to librarians because it is one of the primary things that librarians do they create cataloguing records that describe documents.

Naming, identifiers, and persistence

This is related to metadata. It is the problem of naming in a digital library. Names are strings that uniquely identify digital objects and are part of any document's metadata. Names are as important in a digital library as an ISBN number is in a traditional library. They are needed to uniquely identify digital objects for purposes information retrieval.

Resource Required: Skilled faculty members to develop and run the software. The first issue is

Hardware requirement:

- Operating system: Window 7
- Hard disks: 40GB
- RAM: 256 MB

Software requirement:

- VB.NET
- MS ACCESS

Title of the Practice

“TEST ME” (Online Aptitude Test and Development of Technical Skills)

Goal:

- To develop aptitude and technical skills to enhance analytical potentials and IQ among the students to face interviews.
- To emphasize on their logical proficiency and placement requirements
- To provide right podium to sense the presence of mind to solve the given problem within a stipulated time frame.
- To refresh the previous subjects and concepts.



The Context:

Since students face lots of difficulty in aptitude solving tests during placements, in order to resolve the problem the institute developed an in house soft ware to assist students to improve aptitude skills and logical reasoning.

The context of aptitude test explores how to tackle the problems while undergoing aptitude. The innate nature of aptitude is in contrast with skills and achievements. Aptitude and intelligence quotient are related and in some ways differ views of human ability.

Through online aptitude tests, solving the code or problems could be challenging or any such questions can be easily solved by providing student with proper inputs.

There are many hurdles faced by the faculty members in training those students who are unable to score well in the aptitude.

These set of students must be given extra importance, in order to achieve better progression in terms of marks in the aptitude and face the aptitude test in future with confidence.

The Practice:

Aptitude tests are designed to measure the work-related to cognitive capacity wherein the concept behind these tests provides only one correct answer, which assists the students to solve the given question correctly.

The TEST ME is designed to encourage and inspire students to improve their skills to face challenges by undergoing online aptitude test. Following are the process measures-

- 1) Regular conduction of tests is being carried out every week as per the program schedule by using moodle software.
- 2) The questions for the test are collected by the faculty members from various thirst areas as per the industry requirement related to the concerned subjects.
- 3) The faculty members upload the aptitude multiple choice questions (in .txt format) to the server.
- 4) The answers for the multiple choice questions are uploaded to the server which facilitates self evaluation by the students after successful completion of test.
- 5) Data base of “TEST ME” is maintained for Continuous evaluation to track the student performance and the software also provides graphical representation of student past performance.

Evidence of Success

The outcome of “Test Me” represents how quickly a student can understand, analyze, approach and answer the question correctly. By means of practicing these online tests, the



students have enhanced their performance to an optimum level.

In the journey of aptitude, our students have been very much benefited in last few years. The ratio of improvement in clearing the aptitude test is quite varied as students before aptitude test they could not clear many aptitude questions, as we know today's world of job competition in clearing aptitude round is of prime importance to our students. Hence forth from the day aptitude test is been a part of the curriculum, ratio of clearing the aptitude test increased.

1. Before conducting the aptitude test student have no idea about the question in any steam or weakness.
2. After conducting the aptitude test they are gradually get to know the idea of questions.
3. The Students are clearing the test within stipulated time frame
4. The Placements of the students are increased significantly.

As the programmed moodle software itself provides accuracy in result analysis the student can self evaluate the current status of his/her aptitude and analytical skills.

It provides student the first hand information how to confront the test and at same time teaches them how to overcome from it. Finally, it provides a wider exposure both to students and staff.

Problems Encountered and Resource Required

As far as problem is concerned with respect to Moodle is that the software cannot support for lengthy questions rather assists only to the multiple choice questions.

Many challenges are faced and addressed by the faculty members in designing and implementing the practice of aptitude on the whole in order to increase the proficiency effort of the students endlessly wherein a student can crack any sort of questions raised in future. The major expectation of student ability is to fetch good questions in order to increase their knowledge and improve the overall approach.

Software Requirements:

- a) Moodle Software
- b) MS office
- c) Windows XP or Ubuntu /Fedora

Hardware Requirements:

- a) Server



- b) LAN Connection
- c) Computer: 160GB Hard disk, Dual core processor, 2GB RAM

Notes (optional)

The priority lists for online aptitude test activities

- 1) Moodle Software
- 2) Creation of event
- 3) Conduction of event
- 4) Declaration of the result in the excel format

Contact details:

Name of the Principal: Dr. K Channakeshavalu

Name of the Institution: East West Institute of Technology

City: Bangalore

Pin Code: 560091

Accredited status: No

Work Phone: 080-23286732

Fax: 080- 23288244

Email:principal@ewit.edu

Website: www.ewit.edu

Mobile: 9482514447



Evaluative Report of the Departments

Department of Basic Science and Humanities

1. Name of the Department: Basic Science and Humanities

2. Year of Establishment: 2001

Research centre - Chemistry : 2011-2012

Research centre - Physics : 2012-2013

Research centre - Mathematics : 2012-2013

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)

UG: Fundamental science courses for BE programmes like Engineering Mathematics – for I, II, III, IV semesters. Engineering Physics, Engineering Chemistry, Environmental Studies, Constitution of India, Professional Ethics and Human Rights, Languages like Kannada and English for I & II Semesters.

PG: Advance Mathematics (ECE) and Applied Mathematics (ME).

Ph.D in Chemistry, Physics and Mathematics.

4. Names of Interdisciplinary courses and the departments/units involved

Sl. No.	Semester	Subject code	Name of the subject	Dept. handling subject
1	I / II	15CIV13/23	Elements of Civil Engineering and Mechanics	CV
2	I / II	15EME14/24	Elements of Mechanical Engineering	ME
3	I / II	15ELE15/25	Basic Electrical Engineering	EEE
4	I / II	15WSL16/26	Workshop Practice	ME
5	I / II	15PCD13/23	Programming in C and Data Structures	CSE/ISE
6	I / II	15CED14/24	Computer Aided Engineering Drawing	ME
7	I / II	15ELN15/25	Basic Electronics	ECE
8	I / II	15CPL16/26	Computer Programming Lab	CSE/ISE

5. Annual/ semester/choice based credit system (programme wise)

From the academic year 2015-16 onwards Choice Based Credit System.

Previously semester system was followed.



6. Participation of the department in the courses offered by other departments

At present the programmes mentioned in item 3 are being conducted to all UG programmes like CSE, ISE, ECE, EEE, CV, ME and PG Programmes like ECE and ME. However, an interdisciplinary flair is provided in research activities by carrying out research related topics on Nanoscience and Technology, Environmental sciences, Material Science, Condensed matter physics, Graph theory, Algebra and Fluid Mechanics / Dynamics.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

NIL

8. Details of courses/programmes discontinued (if any) with reasons

NIL

9. Number of teaching posts

	Sanctioned	Filled
Professors	3	3
Associate Professors	6	6
Assistant Professors	19	19

10. Faculty profile with name, qualification, designation, specialization, D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last four years
1.	Dr. Prashantha S C	B.Sc., M.Sc., Ph.D.,	Professor	Physics	16	1
2.	Dr. Purushottam B.	B.Sc., M.Sc., Ph.D.,	Professor	Humanities	14	
3.	Dr. Nagaswarupa H.P.	B.Sc., M.Sc., Ph.D.,	Professor	Chemistry	14	1
4.	Dr. Shivram M	B.Sc., M.Sc., Ph.D.,	Assoc. Prof.	Physics	37	
5.	Dr. H. M. Shivakumar	B.Sc., M.Sc., Ph.D	Assoc. Prof.	Mathematics	15	
6.	Dr. Niranjana M.J.	B.Sc., M.Sc., Ph.D.,	Assoc. Prof.	Mathematics	10	
7.	Geetha M.C.	B.Sc., M.Sc., M. Phil., (Ph.D)	Assoc. Prof	Mathematics	10	



8.	N. Manjula	B.Sc., M.Sc., M. Phil., (Ph.D)	Assoc. Prof	Physics	10	
9.	Dr. Naveen C. S.	B.Sc., M.Sc., Ph.D	Asst.Prof.	Physics	4	
10.	Mr. Hoysaladithya	B.A., M.A., (Ph. D)	Asst.Prof.	Humanities	12	
11.	Mr. Stany R Miranda	B.A., M.A.,MBA., BEd, (Ph. D)	Asst.Prof.	Humanities	9	
12.	Anil Kumar M. R.	B.Sc., M.Sc., (Ph.D)	Asst.Prof.	Chemistry	8	
13.	Bhavya Shivaraj	B.Sc., M.Sc., M. Phil., (Ph.D)	Asst.Prof.	Mathematics	8	
14.	Manjula M	B.Sc., M.Sc.,M.Phil	Asst.Prof.	Mathematics	8	
15.	Umadevi R	B.Sc., M.Sc., (Ph.D)	Assoc. Prof	Mathematics	8	
16.	Gurushantha K	B.Sc., M.Sc., (Ph.D)	Asst.Prof.	Chemistry	6	
17.	Surendra B.S.	B.Sc., M.Sc., (Ph.D)	Asst.Prof.	Chemistry	6	
18.	Ravikumar C. R.	B.Sc., M.Sc., (Ph.D)	Asst.Prof.	Chemistry	6	
19.	Yogalakshmi S	B.Sc., M.Sc., (Ph.D)	Asst.Prof.	Mathematics	7	
20.	Sheela N	B.Sc., M.Sc.,M.Phil (Ph.D)	Asst.Prof.	Mathematics	6	
21.	Divya S	B.Sc., M.Sc.,	Asst.Prof.	Mathematics	6	
22.	Ashwini R	B.Sc., M.Sc.,	Asst. Prof	Physics	5	
23.	M.A. Shilpa Amulya	B.Sc., M.Sc.,	Asst.Prof.	Chemistry	5	
24.	Jagannath G	B.Sc., M.Sc., (Ph.D)	Asst. Prof	Physics	4	
25.	Divya B M	B.Sc., M.Sc.,	Asst. Prof	Physics	4	
26.	Arun kumar N.B.	B.Sc., M.Sc.,	Asst.Prof.	Chemistry	3	
27.	Basavaraju N	B.Sc., M.Sc.,	Asst. Prof	Physics	3	
28.	Kalpana B. R.	B.Sc., M.Sc.,	Asst.Prof.	Mathematics	2	

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise)

by temporary faculty: NIL

13. Student -Teacher Ratio (programme wise): UG -1:15

14. Number of academic support staff (technical) and administrative staff; sanctioned



and filled

Staff	Sanctioned	Filled
Academic support staff (technical)	2	2
Administrative staff	3	3

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ M.Phil / PG.

- Ph. D :07
- M. Phill :05
- PG :16

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Sl. No.	Title	Supporting Agency	Year	Amount	Faculty in Charge
1	Development of Low Cost Nano-Particles for Corrosion Resistance Studies	VGST, Govt. of Karnataka	2012 - 15	3000000.00	Dr. Nagaswarupa H.P. (Programme Coordinator)
2	Development of novel Nanophosphor Materials for Dosimetry and display applications	VGST, Govt. of Karnataka	2014 - 16	2000000.00	Dr. Prashantha S.C. (Programme Coordinator)
3	Development of Nano metal borates for battery and super capacitor applications	VGST, Govt. of Karnataka	2015 - 16	40000.00	Dr. Nagaswarupa H.P. (Faculty Advisor)

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Total Grant: Rs. 51,20,000/- from VGST, DST, Govt. of Karnataka

18. Research Centre /facility recognized by the University - YES

Research centres in Physics, Chemistry and Mathematics recognized to VTU.

Chemistry: Ref. No.VTU /Aca / 2011-2012 / A12 / 923, dated 12 MAY 2011.

Physics: Ref. No.VTU /Aca / 2012-2013 / A-5 / 3949, dated 2 AUG 2012.

Mathematics: Ref. No.VTU /Aca / 2012-2013 / A-5 / 3684, dated 26 JUL 2012.

19. Publications:

❖ Publication per faculty : 7



- ❖ Number of papers published in peer reviewed journals (National / International) by faculty and students: 196
- ❖ Number of publications listed in International Data base (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): 196
- ❖ Monographs: 7
- ❖ Chapter in Books: 8
- ❖ Books Edited: 15
- ❖ Books with ISBN/ISSN numbers with details of publishers: 6
- ❖ Citation Index: 30
- ❖ SNIP: NIL
- ❖ SJR: NIL
- ❖ Impact factor: 1-6
- ❖ h-index: 1-15

20. Areas of consultancy and income generated:

Photocatalysis, synthesis of nano materials, UV and CV studies, materials synthesis and characterization Rs. 28,650.00

21. Faculty as members in

- a) National committees: 01
- b) International committees: Nil
- c) Editorial boards:01

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme - NA
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies – NA

23. Awards / Recognitions received by faculty and students

Sl. No	Name	Faculty / student	Area	Nature of recognition
1	Dr. Nagaswarupa H.P	Faculty member	Chemistry, Nanoscience	Rashtriya Ekta Samman awarded on 19 th August 2013 at Delhi, on the eve of 70 th Birth Anniversary of Late Sri Rajiv Gandhi.



				<p>Certificate of Excellence for the year 2012 – 2013 was given by East West Institute Technology, Bangalore.</p> <p>Senior Scientist Award in “National Conference on Recent Advances in Nano Science and Technology” (NCRNT – 2013).</p> <p>Outstanding Service Award (Silver Category), awarded on 2nd February 2013 at Madurai, by Indian Association for the Blind.</p> <p>Second Best Paper Award in “National Symposium on Electrochemical Science and Technology” (NSEST-2012).</p> <p>Young Scientist Award in “National Conference on Green Technologies, Fight Pollution” on 4th – 5th April 2012.</p>
2	K. Gurushantha	Faculty member	Chemistry, nanoscience	<p>Best Paper Award in “National Conference on Advanced Functional Materials” (AFM – 2015) on 4th – 5th Dec 2015, organized by Department of Chemistry, Dayananda Sagar College of Engineering, Bangalore – 78</p>
3	Dr. Prashantha S.C.	Faculty member	Physics of nanomaterials	<p>Certificate of Excellence for the year 2012 – 2013 was given by East West Institute Technology, Bangalore.</p>

24. List of eminent academicians and scientists / visitors to the department



Sl. No.	Date	Name	Designation and Address
1	26-04-2016	Dr. Masahiro Yoshimura	Professor, National Cheng Kung University, Taiwan.
2	06-01-2016	Dr. Vivek Babu,	Scientist, CSIR-Central Institute of Medicinal and Aromatic Plants, Research Centre, Allalasanra, GKVK Post, Bengaluru - 560 065, India.
3	27-03-2015	Dr. L.S. Nandeesh,	Professor, SJRC College, Bengaluru-560001
4	28-03-2015	Dr. H. Nagabhushana,	Professor, Tumkur University, Tumkuru-57203
5	29-03-2014	Dr. Dinesh Rangappa,	Professor, Dept. of Nanotechnology VTU RC, Muddenahalli Chikkaballapura- 562101
6	29-03-2014	Dr. B.M. Nagabhushana	Professor, MSRIT Bengaluru-560054
7	15-09-2013	Dr. Shreyas H S	Medical Doctor, Mandya Institute of Medical College Mandya-571401.
8	06-01-2016	Dr. Sayda Tasneem Fathima	Professor and Head of Dept. Dept. of Mathematics Reva Institute of Technology and Management. Bangalore
9	28-03-2015	Dr. Hanuma Gowda	Professor and Head of Dept. Dept. of Mathematics Reva University Bangalore
10	29-03-2014	Dr. P. Siva Kota Reddy	Associate Professor. Dept. of Mathematics Siddaganga Institute of Technology. Tumkur
11	15-09-2013	Dr. G. Shobhalatha	Professor. Dept. of Mathematics Sri Krishna Devaraya University Ananthpura, Andhra Pradesh.
12	28-04-2012	Dr. B. Sooryanarayana	Professor and Head of Dept Dept. of Mathematics. Dr. Ambedkar Institute of Technology, Bengaluru
13	28-04-2012	Dr. D.V. Chandrashekhar	Vice Principal Professor and Head of Dept, Dept. of Mathematics. Vivekananda Institute of Technology, Bengaluru

25. Seminars/ Conferences/Workshops organized and the source of funding

a) National b) International: Nil



26. Student profile programme/course wise:

Academic Year 2015-16

Name of the Course / Programme	Selected	Enrolled		Pass percentage
		*M	*F	
B.E.				
ECE	161	83	78	
CSE	184	108	76	
ISE	123	41	82	
ME	175	124	51	
CV	171	160	12	
EEE	56	37	20	

Academic Year 2014-15

Name of the Course/ Programme	Selected	Enrolled		Pass percentage
		*M	*F	
B.E.				
ECE	179	114	65	84.6
CSE	167	70	97	84.7
ISE	119	22	97	72.9
ME	179	176	3	73.1
CV	179	176	3	69.14
EEE	63	36	27	68.18

Academic Year 2013-14

Name of the Course / Programme	Selected	Enrolled		Pass percentage
		*M	*F	
B.E.				
ECE	123	50	73	97.5
CSE	189	76	113	85
ISE	97	40	57	90.7
ME	182	157	25	95
CVE	126	90	36	78.57
EEE	54	23	31	83.3

Academic Year 2012-13

Name of the Course / Programme	Selected	Enrolled		Pass percentage
		*M	*F	
B.E.				
ECE	116	72	44	94.8
CSE	120	70	50	97.5
ISE	115	70	45	95.61
ME	120	108	12	95
CVE	120	85	35	75
EEE	45	34	11	97.7



*M = Male *F = Female

27. Diversity of Students

Academic Year 2015-16

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E.			
ECE	98.75	1.25	Nil
CSE	90.27	9.73	Nil
ISE	97.58	2.42	Nil
ME	90.85	9.15	Nil
CV	81.4	18.60	Nil
EEE	85.96	12.29	1.75

Academic Year 2014-15

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E.			
ECE	94.35	5.65	Nil
CSE	85.96	14.04	Nil
ISE	97.54	1.64	0.82
ME	80	20	Nil
CV	78.2	21.28	0.52
EEE	98.49	1.51	Nil

Academic Year 2013-14

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E.			
ECE	94.3	5.7	Nil
CSE	92.26	7.182	0.558
ISE	93.81	6.19	Nil
ME	89.07	10.93	Nil
CV	87.3	12.7	Nil
EEE	92.6	7.4	Nil

Academic Year 2012-13

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E.			
ECE	89.7	6	4.3
CSE	82.5	12.5	5
ISE	83.5	9.6	6.9
ME	79.2	15	5.8



CV	78.3	9.16	12.54
EEE	95.6	2.2	2.2

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NA

29. Student progression

Student progression	Against % enrolled
UG to PG	NA
PG to M. Phil	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	NA
Entrepreneurship / Self-employment	NA

30. Details of Infrastructural facilities

a) **Library:** Yes

No. of Volumes	110
No. of Titles	57
Total No. of Books	110
No. of Journals	4
No. of UG Projects	4

b) **Internet facilities for Staff and Students:** Available with Band Width 65 mbps

c) **Class rooms with ICT Facility:** 2

d) **Laboratories:** 6

31. Number of students receiving financial assistance from college, university, Government or other agencies: 1973

32. Details on student enrichment programmes (special lectures/workshops/ seminar) with external experts



Sl. No.	Date	Name of the activity	Resource person
1	26-04-2016	Soft processing (Low-Energy production) of advanced inorganic materials for sustainable society	Dr. Masahiro Yoshimura
2	06-01-2016	Sustainable agriculture through Plant Endophytes and metal oxide nanoparticles	Dr. Vivek Babu,
3	27-03-2015	Battery and their applications to sustainable energy.	Dr. L.S. Nandeesh,
4	29-03-2014	Green chemistry for environmental purification	Dr. Dinesh Rangappa,
5	29-03-2014	Combustion synthesis of inorganic materials and their applications	Dr. B.M. Nagabhushana,
6	15-09-2013	Awareness on drugs, alcohol and their problems	Dr. Shreys,
7	06/01-2016	Hydromagnetic Squeeze Films between porous rectangular plates with couplestress fluids	Dr. Sayda Tasneem Fathima
8	28-03-2015	Magneto-Hydrodynamic squeeze film characteristics between two porous Annular discs-A Couplestress Fluid Model	Dr. Hanumagowda
9	29-03-2014	Switching equivalence in symmetric n-sigraphs-IV	Dr. P. Siva Kota Reddy
10	15-09-2013	Advances in the theory of semirings	Dr. G. Shobhalatha
11	28-04-2012	Rational metric dimension of graphs	Dr. B. Sooryanarayana
12	28-04-2012	Stokes flow of micropolar fluid past a solid sphere	Dr. D.V. Chandrashekhar

33. Teaching methods adopted to improve student learning

Apart from the conventional black board teaching the following methods being adopted /introduced in order to enhance the knowledge of students through the innovative methods of content delivery.

- a) Animations
- b) Working Models
- c) Visual Charts
- d) Video Lectures

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

Sl. No.	Date	Activity	No. of students participated
1	30/03/2016	Social Awareness Program	370
2	12/3/2016	Glaucoma Awareness Rally	320
3	25/02/2016-02/03/2016	General Health Checkup and awareness Programme	520
4	26/01/2016	Republic day celebration	600
5	7/11/2015	Kannada Rajyotsava Celebration	700
6	2/10/2015	Gandhi Jayanthi Celebration	300
7	19/09/2015	Engineer's day celebration	600
8	15 /08/2015	Independence day celebration	600
9	27/06/2015-04/07/2015	Mass tree Plantation	450
10	6/6/2015	Awareness programme on Environment	430
11	11/4/2015	Health awareness Programme	450
12	26/01/2015	Republic day celebration	500
13	10/12/2014	Awareness programme on Human Rights	450
14	06-12/11/2016	Educational Programme on General Health and Awareness programme on tobacco illness	490
15	2/10/2014	Gandhi Jayanthi Celebration	350
16	5/9/2014	Teacher's day celebration	650
17	15 /08/2014	Independence day celebration	600
18	31/05/2014 to 07/06/2014	Van Mahotsava Week	150
19	12/4/2014	Health Day Celebration	550
20	15/03/2014	World Women's Day celebration	300
21	26/01/2014	Republic day celebration	600
22	9/11/2013	Kannada Rajyotsava Celebration	650
23	2/10/2013	Gandhi Jayanthi celebration	350
24	24/09/2013	NSS day Celebration	630
25	5/9/2013	Teachers day celebration	600
26	15/08/2013	Independence day celebration	600



27	20/07/2013	Tree plantation	500
28	8/6/2013	Tree plantation	500
29	31/05/2013	Anti tobacco awareness programme	450
30	6/5/2013	Bharat bhawna diwas	550
31	13/04/2013	Awareness programme on voting and voting rights	600
32	18/03/2013	Selection trials to participate in National Integration camp at college level	300
33	9/3/2013	World Women's Day celebration	200
34	19/02/2013	Blood donation camp	300
35	26/01/2013	Republic day celebration	600
36	12/1/2013	Celebration of national youth day	600
37	1/12/2012	Awareness programme on "AIDS"	500
38	13/11/2012	Participated in the "Walkathon" – an awareness campaign on the need to reduce air and noise pollution at freedom park, Bangalore	800
39	10/11/2012	Kannada Rajyotsava Celebration	800
40	16-22/10/2012	Health education and Awareness programme on Health	450
41	20/10/2012	Awarness Programme on Health of Women	300
42	12/10/2012	Awareness program on organ donation	500
43	15/09/2012	Engineer's day celebration	380
44	5/9/2012	Teacher's day celebration	800
45	25/08/2012	Programme on collection of contribution for "Indian Association For The Blind"	350
46	15/08/2012	Independence day celebration	600
47	10/3/2012	World Women's Day celebration	200
48	26/01/2012	Republic day celebration	600

35. SWOC analysis of the department and Future plans**STRENGTHS:**

- ❖ Inter-disciplinary projects and research centre.
- ❖ Chemistry research lab upgraded through fund released by VGST, DST Govt. of Karnataka.



- ❖ Physics research lab upgraded through funds released by VGST, DST Govt. of Karnataka.
- ❖ State of art facility for the preparation of nanomaterials.
- ❖ Collaborative work of faculty members and technical staff members.
- ❖ An average of 7 publications per faculty members.
- ❖ Rise of high valued research publications.

WEAKNESS:

- ❖ Insufficient industry interaction.
- ❖ Lack of sufficient sophisticated research instruments.

OPPORTUNITY:

- ❖ Student contribution towards organizational activities, inter college, paper presentation, model making etc.
- ❖ Constant upgradation of knowledge
- ❖ Advanced pedagogy in teaching learning process
- ❖ Student exposure towards research is initiated in the beginning part of semester

CHALLENGES

- ❖ Continuous changes in knowledge required
- ❖ Students with varied environment
- ❖ Adapting to change student expectation
- ❖ Patenting inventive research work carried out in the department

FUTURE PLANS

- ❖ To get a high end platform for every student wing and also to all faculty members to connect in professional consultancy services to the government as well as world wide organizations.
- ❖ To persuade every student community to grow as unique enterpruners.
- ❖ To encourage student exchange program for higher semester students.
- ❖ To establish industry / academic connections or collaborations with state level/national/international associations.



Department of Electronics and Communication Engineering

1. Name of the Department : Electronics and Communication Engineering

2. Year of Establishment : UG - 2001-02

PG - 2007-08 (LDE- Digital Electronics)

Research centre :2012-13.

3. Name of Programmes/Courses offered:

B.E in Electronics and Communication

M.Tech.in Digital Electronics

Ph.D.in Electronics and Communication

4. Names of Interdisciplinary courses and the departments/units involved

Sl. No.	Semester	Subject Code	Name of the Subject	Dept. handling the subject
1	III	10MAT31	Engineering Mathematics-III	Basic Scienceand Humanities
2	IV	10MAT41	Engineering Mathematics-IV	Basic Scienceand Humanities
3	III	MATDIP301	Advanced Mathematics-I	Basic Science and Humanities
4	IV	MATDIP401	Advanced Mathematics-II	Basic Science and Humanities

5. Annual/Semester/choice based credit system (programme wise)

Semester system/CBCS from academic year 2015-16 (UG)

6. Participation of the department in the courses offered by other departments

Nil

7. Courses in collaboration with other universities, industries foreign institutions, etc.,:

Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of Teaching posts



	Sanctioned	Filled
Professors	6	4
Assoc. Prof.	6	6
Asst. Prof.	31	31

10. Faculty Profile with name, qualification, designation, specification

Sl. No.	Name of the Teaching Staff	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 yrs
1.	Dr.S G Hiremath	B.E. M.Tech, Ph.D.	Professor and Head	Medical Image Processing	19	–
2.	Dr. Shashi Kumar R	B.E. M.Tech, Ph.D.	Professor	VLSI and Embedded systems	21	–
3.	Dr. Raghavendra Kulkarni	B.E. M.Tech, Ph.D.	Professor	Image Processing	18	-
4.	DR. Kodandharamiah G N	B.E. M.Tech, Ph.D.	Professor	Image Processing	20	-
5.	Anand M	B.E. ,M.Tech.(Ph. D.)	Assoc. Professor	Digital Electronics	14	–
6.	Kotresh H M	B.E., M.Tech.	Assoc. Professor	Digital Electronics	13	–
7.	Santhosh Kumar G	B.E. ,M.Tech.(Ph. D.)	Assoc. Professor	VLSI Design and Embedded Systems	8	–
8.	Manjula B B	B.E., M.Tech.	Assoc. Professor	VLSI Design and Embedded Systems	14	–
9.	Pramila B	B.E. ,M.Tech.(Ph. D.)	Assoc. Professor	COMPUTER SCIENCE ENGG	9	–
10.	Anil NS	B.E. ,M.Tech.(Ph. D.)	Assoc. Professor	Industrial ELECTRONICS	7	–
11.	K Sudheendra	B.E. (M.Sc. Eng.)	Asst. Professor	Industrial Automation	34	–
12.	Sandeep R	B.E., M.Tech.	Asst. Professor	EMBEDDED SYSTEMS	6	–
13.	Bhagya	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	7	–
14.	Naveen Kumar B K	B.E., M.Tech.	Asst. Professor	VLSI and SIGNAL PROCESSING	4	–
15.	Rohith HS	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	4	–
16.	Roopashree K M	B.E., M.Tech.	Asst. Professor	MICROELECTRONICS and CONTROL	4	–



				SYSTEMS		
17.	Sham Kote Gowda	B.E., M.Tech.	Asst. Professor	VLSI	4	
18.	Divya B.N	B.E., M.Tech.	Asst. Professor	Digital Electronics	3	–
19.	Naveen V	B.E., M.Tech.	Asst. Professor	Digital Electronics	2	–
20.	Akashya Y M	B.E., M.Tech.	Asst. Professor	Digital Electronics	2	–
21.	Radha J	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	5	–
22.	Manasa S.	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	2	–
23.	Vedavathi B S	B.E., M.Tech.(Ph. D.)	Asst. Professor	Digital Electronics	2	–
24.	Manjunath N	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	1	–
25.	Namaratha Naikar	B.E., M.Tech.	Asst. Professor	Digital Electronics	1	–
26.	Ramya N K	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	1	–
27.	Yashshwini	B.E., M.Tech.	Asst. Professor	Digital Electronics	1	–
28.	Ashwini S	B.E., M.Tech.	Asst. Professor	Digital Electronics	1	–
29.	Vimala C S	B.E., M.Tech.	Asst. Professor	Digital Electronics	5	–
30.	Akshatha S	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	4	–
31.	Somwya C	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	4	–
32.	Sneha C A	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	4	–
33.	Sushma R	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	4	–
34.	Lavanya S P	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	2	–
35.	Padmaja Vijay Kumar	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	24	–
36.	Apoorva	B.E., M.Tech.	Asst. Professor	Digital Electronics	1	–
37.	Vijay Goutham	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	5	–



38.	Dayanand P N	B.E., M.Tech.	Asst. Professor	VLSI Design and Embedded Systems	1	-
39.	Sowmayashree J	B.E., M.Tech.	Asst. Professor	Digital Electronics	1	
40.	Dhananjay Prasad	B.E., M.Tech.	Asst. Professor	Digital Electronics	1	
41.	Jagadish	B.E., M.Tech.	Asst. Professor	Digital Electronics	1	

11. List of Visiting faculty:

Sl. No.	Name of the Visiting Faculty
1	Prof. H S Bhatiya

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty: Nil

13. Student-Teacher Ratio (Programme wise):

UG: 1:13

PG: 1:12

14. Number of academic support staff (technical) and administrative staff, sanctioned and filled.

	Sanctioned	Filled
Technical Staff	9	9
Administrative staff	2	2

15. Qualification of teaching faculty with DSc/D.Litt/Ph.D/M.Phil/PG

Ph.D. -4

PG -33

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received. Nil

17. Departmental Projects funded by DST-FIST; UGC,DBT,ICSSR, etc. and total grants received

Nine Lakhs sanctioned by MODROBS (AICTE),-2012-13

18. Research Centre/ facility recognized by the university

Yes. Sanction letter Number: Ref. No. VTU/Aca/2012-13/A-5/3684

19. Publications:



- ❖ **Publication per faculty:**0.55
- ❖ **Number of papers published in peer reviewed journal (National and International) by faculty and students:**55
- ❖ **Number of publications listed in international database (for Ex: web of sciences, Scopus, humanities International complete, Dare Database-International social sciences directory,EBSCO,host,etc.):** 25
- ❖ **Monographs:** Nil
- ❖ **Chapter in Books:** Nil
- ❖ **Books edited:** Nil
- ❖ **Books with ISBN/ISSN numbers with details of publishers:** Nil
- ❖ **Citation index:**0-2
- ❖ **SNIP:** Nil
- ❖ **SJR:** Nil
- ❖ **Impact factor:** 1.59-2.39
- ❖ **H-Index:** 01

20. **Areas of consultancy and income generated:** Nil

21. **Faculty as member in National Committees b) International Committees c) Editorial Boards :** Nil

22. **Student Projects**

a) **Percentage of Students who have done in-house projects including inter departmental/programme:** 86%

b) **Percentage of Students placed for projects in organizations outside the institutions ie., in research laboratories/Industry/ other agencies:** 14%

23. **Awards / Recognition received by faculty and Students**

Sl. No.	Name	Faculty/ Student	Subject	Nature of Recognition
1	Hema C	Student	-	VTU 1st Rank Holder(Gold Medal)
2	Apporva B S	Student	-	VTU 3rd Rank Holder
3	SupreethaPai	Student	-	VTU 1stRank Holder(Gold Medal)
4	UdupiSandhyarao	Student	-	VTU 2ndRank Holder
5	Vindhya	Student	-	VTU 1st Rank Holder(Gold Medal)
6	Moulyashree	Student	-	VTU 2nd Rank Holder
7	Dr.RShashiKumar	Faculty	Paper	Best paper Award



			Presentation	
8	M Anand	Faculty	Paper Presentation	Best paper Award
9	Anjana R	Student	Paper Presentation	Best paper Award
10	Satish S	Student	Paper Presentation	Best paper Award
11	SandhyaRao U	Student	Paper Presentation	Best paper Award
12	Manjula B B	Faculty	Project Competition	Special contribution and Support as a Guide
13	Ravichandra V	Faculty	Project Competition	Special contribution and Support as a Guide
14	Priyanka R, Meena C, Spandana	Student	Project contest	First place in Vision Robotics, held at IIT Delhi.
15	Hrishiksha D N, Bharathkumar S, Ghanti Srikanth, Manjunath Pandian, Karthik B	Student	Project contest	Second place in Third Annual All India Mentor Graphics University Design contest 2012.
16	C S Thirumala Chakravarthy, A U Chithra, V Bhavana, Suhas Bhatt C, Vinay Kumar	Students	Project contest	Second place in All India Mentor Graphics Higher Education Program Design Contest 2010.

24. List of eminent academicians and scientist / visitors to the department

S.No.	Date	Name	Designation and Address
1	21/03/2015	Prof H S Bhatiya	Professor, chairman IETE, Bangalore.
2	13/03/2015	Dr.T.J. Devraj	Professor, Dept. of Electronics, Bangalore University, Bangalore-56.
3	12/03/2014	Dr. Gururaj Karajagi	Chairman, Academy for Creative Teaching, Bangalore
4	20/02/2014	Dr.T.J. Devraj	Professor, Dept of Electronics, Bangalore University, Bangalore-56.
5	24/09/2012	Dr G V Jayaramaiah	HOD, ECE Dr. AIT, Bangalore
6	22/09/2012	Dr K S Gurumurthy	Professor, Dept of ECE, UVCE, Bangalore.
7	22/02/2012	Dr.Saji Salkalachen	Additional General Manager, Semiconductor and Photovoltaics Electronics Division, BHEL, Bangalore

25. Seminars/ Conferences /Workshops organized and the source of funding**a) National**



Sl. No.	Date	Nature of the Programme	Source of Funding
1	17/11/2014	Seminar on Employable opportunities in the INDIAN ARMY	In-House
2	06/02/2014	“Workshop on VLSI	In-House
3	20/02/2014	Seminar on “Recent Advances in wireless communication and wireless sensor networks”	In-House
4	12/03/2014	“FDP on ethics in Teaching”	In-House
5	22/02/2012	Seminar on wireless communication	IETE Students Forum
6	02/05/2011	National Conference on Advances in Electronics and Intelligent Computing	IETE Students Forum
7	01/04/2009	Seminar on “Robotics and a Case study in UAV”	IETE Students Forum

b) **International:** Nil

26. Student Profile Programme/coursewise

Name of the course/Programme	Academic year	Application Received	Selected	Enrolled		Pass Percentage
				*M	*F	
UG	2015-16	NA	161	91	70	Ongoing
PG (LDE)			10	1	9	Ongoing
Ph.D.			1	1	-	-
UG	2014-15		177	114	65	63.37
PG (LDE)			28	12	16	100
Ph.D.			-	-	-	-
UG	2013-14		120	50	73	74.00
PG (LDE)			35	15	20	100
Ph.D.			2	-	2	-
UG	2012-13		120	72	44	73.50
PG (LDE)			26	07	19	100
Ph.D.			4	4	-	-

*M = Male *F=Female

**27. Diversity of Students**

Name of the Programme/course	% of the students from the same state	% of the students from the other state	% of the students from abroad
B.E-ECE (2015-16)	98.57	1.24	Nil
B.E-ECE (2014-15)	94.41	5.58	Nil
B.E-ECE (2013-14)	94.30	5.69	Nil
B.E-ECE (2012-13)	100	0	Nil
M.Tech. (2015-16)	100	0	Nil
M.Tech. (2014-15)	96.4	3.6	Nil
M.Tech. (2013-14)	100	0	Nil
M.Tech (2012-13)	100	0	Nil
Ph.D (2012-15)	100	0	Nil

28. How any students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.: 36

29. Student Progression

Student Progression	Against % enrolled
UG to PG	14.75
PG to M.Phil	-
PG to Ph.D	1
Ph.D. to Post Doctroal	-
Employed <ul style="list-style-type: none">• Campus selection• Other than campus selection	84.25
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

- a) **Library:** Yes: 1238
- b) **Internet facility available for staff and students :** Yes (65Mbps)
- c) **Class rooms with ICT facility:** yes, (2)
- d) **Laboratories :** Ten (10)

31. Number of students receiving financial assistance from college, university,

Government or other agencies: 472 students

**32. Details on student enrichment programmes (special lectures / workshops / seminar)****with external experts:**

Sl. No.	Date	Name of the activity	Resource Person
1	2/4/2016	IETE Student Forum	Prof H S Bhatiya
2	8/8/2015	Speech Signal Processing	Dr Uday Kumar
3	21/03/2015	Recent Advances in wireless communication and wireless sensor networks	Dr. T.J. Devraj
4	12/03/2014	FDP on ethics in Teaching	Dr. GururajKarajagi
5	22/02/2012	Power semiconductor devices –manufacturing practices and applications	Dr.SajiSalkalachen

33. Teaching methods adopted to improve student learning

- Remedial classes and additional make-up tests to help academically weaker students
- After each internal test assessment, the weak students are identified and special coaching are conducted
- Mentoring system to help at individual levels
- Supplementary tests are conducted before every internal test for all the students during first hour.
- Learning beyond syllabus generation of self-learning facilities, and availability of materials for learning beyond syllabus
- Possibility, motivation and scope for self /learning beyond syllabus.
- Innovative teaching using NPTEL, Industrial Visit etc.,

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl. No.	Date	Activity	No of Student Participated
1	12/03/2016	Glaucoma awareness Rally	25
2	27/06/2015	Mass tree Plantation	20
3	19/02/2013	Blood Donation Camp	15

35. SWOC analysis of the department and Future plans**Strength**

- Department is permanently affiliated by VTU
- Department is Accredited by NBA in 2007



- University Rank Holders
- Recognized as Research Centre by VTU, Belagavi
- Dedicated and Experienced Faculty members
- Excellent Academic Records in the past years
- Organizing Seminars, Workshops, and Conferences Periodically
- Excellent Placement Record

Weakness

- Industrial Related Training for the faculty is limited
- Consultancy work to be improved

Opportunities

- Becoming a leader in Interdisciplinary and Integrated Learning
- Adequate Industry Institute Interaction for the benefit of the students
- An Opportunity to Interact with Eminent personalities
- Possibility of Flexible Curriculum
- Innovation in Teaching Learning Process
- Organizing ore number of symposiums
- To do consultancy work.

Challenges

- To meet out the recent Industrial Needs and Technologies
- To motivate students to become entrepreneur

Future Plans

- Aiming to get more grants for major Research Projects
- To raise the Technological Skills of the Students
- To offer more consultancy Services
- Implementation of Industry Sponsored Research Lab
- To achieve center of Excellency
- To obtain NBA
- To get autonomous status



Department Of Computer Science and Engineering

- 1. **Name of the Department** : Computer Science & Engineering
- 2. **Year of Establishment** : UG-2001-02
PG -2007-2008 : Computer Science & Engineering,
PG -2011-2012 : Computer networks & Engineering
PG - 2014-15 : Information Technology
Research Center : 2011-12

3. Name of Programmes / Courses offered:

- a) B.E in Computer Science & Engineering
- b) M.Tech in Computer Science & Engineering
- c) M.Tech in COMPUTER Networks & Engineering
- d) M.Tech in Information Technology
- e) PH.D/MSc Engg in Computer Science & Engineering

4. Name of Interdisciplinary courses and the departments / units involved

Sl. no	Semester	Subject code	Name of the Subject	Dept. handling the subject
1	III	15MAT31	Engineering Mathematics-III	Basic Sciences & Humanities
2	III	MATDIP301	Advanced Mathematics-I	Basic Sciences & Humanities
3	IV	15MAT41	Engineering Mathematics-IV	Basic Sciences & Humanities
4	IV	MATDIP401	Advanced Mathematics-II	Basic Sciences & Humanities

5. Annual / Semester / Choice based credit system(Programme wise)

Semester System/ CBCS from the academic year 2015-16 (UG)

- 6. **Participation of the department in the courses offered by other departments:** Nil
- 7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
- 8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
- 9. **Number of teaching posts**



	Sanctioned	Filled
Professor	6	5
Associate Professor	6	6
Assistant Professor	32	33

10. Faculty profile with name, qualification, designation, specialization, (D.Sc/D.Litt./Ph.D/M.Phil

Sl. No.	Name	Qualification	Designation	Specialization	No of years of Experience	No of Ph.D Students guided for last four years
1.	Dr. Arun Biradar	M.Tech, Ph.D	Prof. & Head	CSE	21	6
2.	Dr.Piyush Pareek	M.Tech Ph.D	Professor	CSE	10	-
3.	Dr. Rajashekhar Patil	M.Tech, Ph.D	Professor	CSE	19	-
4.	Dr.Rajan.M.A	M.Tech,Ph.D	Professor	CSE	16	-
5.	Dr. Tippetwamy	M.Tech, Ph.D	Professor	CSE	10	-
6.	Prof.Prasanna Kumar M	M.Tech, (Ph.D)	Associate Prof.	CSE	15	-
7.	Mr. Rajshekhar S A	M.Tech, (Ph.D)	Associate Prof.	CSE	14	
8.	Mrs. Sahanadevi K J	M.Tech	Associate Prof.	CSE	12	-
9.	Mrs. Chetana Srinivas	M.Tech, (Ph.D)	Associate. Prof	CSE	11	-
10.	Mrs. Mangala C N	M.Tech	Associate Prof.	CSE	9	-
11.	Mr. Chandan Raj	M.Tech	Associate. Prof	CSE	8	-
12.	Mrs. Manjushree Patel	M.Tech	Asst. Prof	CSE	8	-
13.	Mr. Dhanraj	M.Tech	Asst. Prof	CSE	4	-
14.	Mr. Deepu S R	M.Tech, (Ph.D)	Asst. Prof	CSE	4	
15.	Mr. Kiran M	M.Tech	Asst. Prof	CSE	4	-
16.	Mr. Sagar B	M.Tech, (Ph.D)	Asst. Prof	CSE	3	-
17.	Mrs. Madhura G Sunil	M.Tech	Asst. Prof	CSE	4	-
18.	Mrs. Pooja Nayak	M.Tech, (Ph.D)	Asst. Prof	CSE	3	-
19.	Mrs. Anusha K L	M.Tech	Asst. Prof	CSE	2	-
20.	Mr. Lakshmikantha S	M.Tech	Asst. Prof	CSE	2	-
21.	Mr. Hemantha Y K	M.Tech	Asst. Prof	CSE	2	-
22.	Mr. Prasanna G	M.Tech	Asst. Prof	CSE	2	-
23.	Mr. Basavaraj S H	M.Tech, (Ph.D)	Asst. Prof	CSE	2	-



24.	Ms. Shylaja B.R	M.Tech	Asst. Prof	CSE	2	-
25.	Mrs. Sunanda V K	M.Tech	Asst. Prof	CSE	2	-
26.	Mr. Vinod H.N	M.Tech	Asst. Prof	CSE	2	-
27.	Mrs. Poornima T	M.Tech	Asst. Prof	CSE	2	-
28.	Mrs. Vinutha S	M.Tech	Asst. Prof	CSE	2	-
29.	Mrs. Swetha N	M.Tech	Asst. Prof	CSE	2	-
30.	Mr. Harsha A C	M.Tech	Asst. Prof	CSE	2	-
31.	Mr. Suhas G K	M.Tech	Asst. Prof	CSE	1	-
32.	Mrs. Deepaka R	M.Tech	Asst. Prof	CSE	1	-
33.	Mrs. Mamatha A	M.Tech	Asst. Prof	CSE	6	-
34.	Mrs. Akshata K.L	M.Tech	Asst. Prof	CSE	5	-
35.	Mrs. Ramya R.S	M.Tech	Asst. Prof	CSE	4	-
36.	Mrs. Vedha C	M.Tech	Asst. Prof	CSE	3	-
37.	Mrs. Rashmi H.P	M.Tech	Asst. Prof	CSE	3	-
38.	Mrs. Bindushree G	M.Tech	Asst. Prof	CSE	2	-
39.	Mrs. Bhagya L.S	M.Tech	Asst. Prof	CSE	2	-
40.	Mrs. Anitha Chagi	M.Tech	Asst. Prof	CSE	1	-
41.	Mrs.Sumati M	M.Tech	Asst. Prof	CSE	1	-
42.	Mrs. Amita A	M.Tech	Asst. Prof	CSE	1	-
43.	Mr. Goutam R	M.Tech	Asst. Prof	CSE	1	-
44.	Mrs. Ramya S	M.Tech	Asst. Prof	CSE	1	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student – Teacher ratio (programme wise):

UG: 1:15

PG : 1:12

14. Number of academic support staff(technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Technical Staff	10	10
Administrative Staff	2	2

15. Qualifications of teaching faculty with Dsc / D,Litt /Ph.D/ Mphil / PG /

Ph.D: 5

PG:39

16. Number of faculty with ongoing projects from



a. National

–Nil–

b. International funding agencies and grants received –Nil–

17. Departmental projects funded by DST-FIST: UGC, DBT, ICSSR, etc.. and total grants received.

Departmental projects: MODROBS AICTE

Total grant received : Rs 9 Lakhs

18. Research Center / facility recognized by the University

Department of CSE has been recognized as Research Center by Visvesvaraya Technological University “Jnana Sangama”, Belgaum. Ref.No VTU/ Aca /2012-2013/A-5/3684

19. Publications

- ❖ **Publications per faculty** : 04
- ❖ **Number of Papers published in peer reviewed journal (National and International) by faculty and students** : 187
- ❖ **Number of publications listed in International database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)** : 187
- ❖ **Monographs:** Nil
- ❖ **Chapters in Books:** Nil
- ❖ **Books Edited:** Nil
- ❖ **Books with ISBN/ISSN numbers with details of publishers:** 03
- ❖ **Citation Index:** 1-3
- ❖ **SNIP:** Nil
- ❖ **SJR:** Nil
- ❖ **Impact factor :** 1-4
- ❖ **H-Index :** 1-13



20. Area of consultancy and income generated : Rs 2,10,150

21. Faculty as members in

- a. National Committees :01
- b. International Committees :Nil
- c. Editorial Boards : 02

22. Student Projects

- a) Percentage of students who have done in – house projects including inter departmental / programme :85%
- b) Percentage of students Placed for projects in organizations outside the institution that is in research laboratories/Industry/other agencies: 15%

23. Awards / Recognition received by faculty and students

Sl No	Name	Faculty / Student	Subject/Area	Nature Of Recognition
1	Dr Arun Biradar	Faculty	Certificate Of Appreciation ISTE Karnataka Section	Indian Society For Technical Education
2	Dr. Piyush Kumar Pareek	Faculty	Paper Presentation	Best Paper Award
3	Sahana Devi K.J	Faculty	Paper Presentation	Best Paper Award
4	Chetana Srinivas	Faculty	Paper Presentation	Best Paper Award
5	Managala C.N	Faculty	Paper Presentation	Best Paper Award
6	Manjushree H C	Student	Academic	VTU Rank Holder
7	Vyshak Ramesh	Student	Academic	Best Outgoing Student
8	Veeresh Patel	Student	Samgyatva- Tech Fest	Best Coordinator
9	Chaitra G	Student	Annual Sports Meet	Best Athlet
10	Chaitra G	Student	Annual Sports Meet	II Place (Cricket)
11	Chaitra G	Student	Annual Sports Meet	III Place (Relay)
12	Chaitra G	Student	Annual Sports Meet	II Place (Long Jump)
13	Chaitra G	Student	Student	II Place (Javlin)
14	Manjushree H C	Student	Academic	Best Outgoing Student
15	Snehashree	Student	Academic	Best Outgoing Student
16	Shruthi A P	Student	Academic	Best Outgoing Student
17	Priyanks Marihal	Student	Academic	Best Outgoing Student
18	Hemanth	Student	Academic	Best Outgoing Student
19	Goutam P Nayak	Student	Non Percussion	I Place
20	Arun Kumar	Student	Samgyatva- Tech Fest	Best Coordinator
21	Srinidi	Student	Samgyatva- Tech Fest	Best Coordinator
22	Manasa	Student	Samgyatva	Best Participant



23	Impana	Student	Samgyatva	Best Participant
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24. List of Eminent academicians and scientists / visitors to the department.

Sl no	Date	Name	Designation and Address
1	November 19 th 20 th 2015	Dr.H.S.Jamadagni	Professor & Chairman, CEDT, IISc, Bengaluru
2	April 29 th & 30 th 2015	Dr.P.Nagabhushan	Chief Nodal Officer, university of Mysore, Mysore
3	Oct 18 th 2014	Prof.Padma Reddy	Prof & Head,Dept of CSE,Sai vidya Institute of Technology,Bangalore
4	March 18 th & 19 th 2014	Dr.L.S.Nandeesh	Advisor, SJRC Institutions
5	May 9 th 2013	Mr.Ganesh yala	Senior Manager,Accenture Technologies,Bangalore
6	May 9 th 2013	Mr.Someshwar halikhede	Co-founder,Bridge info private limited ,Bangalore
7.	May 9 th 2013	Dr.U.N.Sinha	Senior scientist,NAL,Bangalore
8.	April 30 th ,2013	Mr.Prasad.P	Learning Facilitator,IBM TECHNOLOGIES
9.	April 30 th ,2013	Prof. Pallab Bandopadyay	HR CITRIX SYSTEMS ,Blore
10	March 12 th and 13 th 2013	Dr.Devaraju,	Bangalore University,Bangalore
11	March 12 th and 13 th 2013	Prof.Mohit.P.Tahiliani,	NITK Surathkal
12	Oct 10 th ,2012	Dr.K.Chidananda Gowda	Former Vice Chancellor,Kuvempu University,shimoga

25. Seminars / Conferences / Workshops organized & the source of funding**a) National**

Sl. No.	Date	Nature of the Programme	Source of Funding
1	May 11 th 2016	Guest lecture on “Artificial Intelligence and Agent Technologies”	In-house
2	April 7 th 2016	Workshop on “Micro processors & its Applications”	In-house
3	Nov 18 th -19 th 2015	Internet of Things IOT BOOT CAMP	INTEL + In-house
4	4 th & 5 th Nov 2015	Workshop On “C# and .NET Concepts”.	In-house
5	2 nd & 3 rd Nov 2015	Workshop on NS2 & its Applications	In-house
6	19 th Oct 2015	Guest Lecture On “Data Structures & its Applications”	In-house
7	May 12 th 2015	Guest lecture on “Advances in Computer	In-house



		Network “	
8	May 11th 2015	Guest Lecture on “Research methodologies & its organization”	In-house
9	May 7th 2015	Guest lecture on “Artificial Intelligence and Agent Technologies”	In-house
10	April 29th & 30th 2015	National Conference on advances in Computer Science and Engineering & Shri C.M. Nagarj Memorial Lecture	In-house & ISTE
11	6th,7th Nov 2014	Workshop on “Skill Development Program”	In-house
12	6th,7th Nov 2014	Workshop on “NS2 & its Applications	In-house
13	Oct 19th 2014	Guest Lecture on “Programming Techniques”	In-house
14	17th & 20th Oct 2014	Workshop on Dynamic Web Development	In-house
15	April 30th 2014	Guest Lecture “Industry focused skill”	In-house
16	7th 8th Dec 2013	ISTE Faculty Convention	ISTE
17	12th ,13th Nov 2013	Seminar On “C# and .NET Technology”.	In-house
18	Nov 11th 12th 2013	Workshop on “Web technology”.	In-house
19	May 8th 2013	Guest Lecture on “Research passion”	In-house
20	March 12th,13th 2013	Two days National Workshop on Wired, Wireless MANET Simulation using NS2	In-house & ISTE
21	Oct 10th 2012	Seminar on Emerging Trends in Computer Science & Engineering	In-house & ISTE

b) International : Nil

26. Student profile programme / course wise

Name of the Programme / Course	Academic Year	Application Received	Selected	Enrolled		Pass Percentage
				*M	*F	
UG	2015-2016	NA	184	108	76	60%
PG (SCS)			8	2	6	80%
PG(SCN)			3	1	2	66.74%
Ph.D(CSE)			3	2	1	
UG	2014-2015		167	70	97	93.54%
PG (SCS)			22	5	17	100%
PG(SCN)			10	4	6	90%
Ph.D(CSE)			3	2	1	
UG	2013 - 2014		189	76	113	91.46%
PG (SCS)			22	18	4	100%
PG(SCN)			16	10	6	94%
Ph.D(CSE)			2	-	2	
UG	2012-2013	127	75	72	94.32%	
PG (SCS)		24	5	19	100%	



PG(SCN)			20	11	9	100%
Ph.D(CSE)			-	-	-	

27. Diversity of Students

Name of the Course	%of the students from the same state	%of the students from other state	%of the students from abroad
BE-(2015-2016)	92%	8%	-
BE-(2014-2015)	81%	19%	-
BE-(2013-2014)	94%	6%	-
BE-(2012-2013)	87%	13%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services etc.? 44

29. Student progression

Student Progression	Against % enrolled
UG to PG	30%
PG to M.Phil	Nil
PG to Ph.D	16%
Ph.D to Post – Doctoral	Nil
Employed	
-Campus Selection	70%
-Other than Campus Recruitment	20%
Entrepreneurship/Self Employment	1%

30. Details of Infrastructural Facilities**a) Library : Yes**

No of Books available : 870

b) Internet facilities for Staff & Students: YES (65 MBPS)

c) **Class rooms with ICT facility** : 03

d) **Laboratories** : 10

31. Number of students receiving financial assistance from college, university, Government or other agencies: 278

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external expert



S#	Date	Name of the activity	Resource Person
1	April 7 th 2016.	One day Hands –On session on “Microprocessor & Its Applications”	Prof. Srinivas Shetty, Assoc Prof, Department of ISE, DBIT, Bangalore-91.
2	May 16 th 2016	Guest lecture on “Artificial Intelligence & Agent Technology”	Prof. G.T.Raju, Hod , Dept of CSE,RNSIT ,B’LORE.
3	March 25 th , 26 th 2015	Workshop on “Skill Development Program.”	Mr.Ramprasad,10seconds,blore Mr. Anijit shetty,10 seconds,blore
4	April 28 th -29 th 2015	National Conference on Advances in Computer Science and Engg.2015 & Shri .C.M.Nagaraj Memorial Lecture	Dr. P. Nagabhushan Chief Nodal Officer, Mysore University
5	19 th Oct 2015	GUEST LECTURE ON “Data Structures & its Applications”	Prof. Padma Reddy, HOD, SAVIT, B’lore.
6	4 th & 5 th Nov 2015	Workshop On “C# and .NET Concepts”.	Mr.Ramprasad,10seconds,blore
7	Nov 18 th -19 th 2015.	Internet of Things IOT BOOT CAMP	Dr. H. Jamadagani Professor & Chairman CEDT, IISc., Bangalore
8	May 12 th 2015.	Guest Lecture on “Computer Networks”	Prof.T.G.Basavaraj, Prof & Head, SKSIT, Ramanagar.
9	May 7 th ,2015	Guest lecture on “Artificial Intelligence & Agent Technology”	Prof.G.T. Raju, Hod, Dept of CSE, RNSIT, B’LORE.
10	May 11 th 2015	Guest Lecture on “Research methodologies & its organization”	1.Dr.Ravindra.C. Chairman BOS, SGGS IT, Nanded, Marathwada university 2.Mr.Narendra,Chief Project Manager, Siemens technology,Bangalore-91 3. Dr.Vijaya.R.T, Prof, Dept of IT, SGGSIT, Nanded, Marathwada university.
11	Oct 17 th & 20 th 2014	Workshop on DYNAMIC WEB DEVELOPMENT	Mr.Kiran,#define,Bangalore
12	April 30 th 2014	Guest Lecture “Industry focused skill”	Mr.Pallab Bandopadyay, Former CEO, CISCO Technologies,B’lore.
13	OCT 19 TH 2014	Seminar of “Programming Techniques “	Padma Reddy, Prof and HOD, Dept of CSE,EWIT B’lore.
14	Nov 6 th ,7 th	Workshop on “NS2 & its	Prof. Mohammed .M.Khurrum,Asst



	2014	Applications”	Prof,GCOE,Ramanagar Prof. Chandan Raj,Asst Prof,EWTI,B’lore
15	Nov 11th 12th 2013.	Workshop on WEB TECHNOLOGY	Mr.Kiran, #define, Bangalore
16	On 12th ,13th NOV 2013	Seminar On “C# and .NET Technology”.	Mr.RamPrasad, JVS Technologies, Blore.
17	7th 8th Dec 2013	ISTE Faculty Convention	Dr. H. P. Kincha Former Vice-Chancellor VTU, Belgaum Dr. N. R. Shetty Former President ISTE, New Delhi
18	March 12th,13th 2013	Two days National Workshop on Wired, Wireless MANET Simulation using NS2	Dr.J.T. Devaraju, Chairman,wi-max and wireless sensor networks lab,Bangalore university. Prof. Mohit. P. Tahiliani,Dept of CSE,NITK Surathkal
19	May 8th 2013	Guest Lecture on “Research passion”	Dr. U. Sinha, distinguished scientist, NAL, Bangalore
20	Oct 10th 2012	National seminar on ”Emerging trends in Computer science & Engg”	DR. K. CHIDANANDA GOWDA Former VC,Kuvempu University DR.SHIVANAND HANDIGUND HOD,PG R &D Co-coordinator, Bangalore Institute of Technology, B’lore.

33. Teaching methods adopted to improve student learning

- Experimental Exercises / Simulation
- Group Discussions
- Skill Practices
- Real life experiences
- Webinars
- Technical Quiz

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl. No	Date	Activity	No. of Students participated
1.	26/01/2016	Republic day celebration	40
2.	5/03/2016	Eye Check – up camp	45
3.	26/01/2015	Republic day celebration	55
4.	11/04/2015	Health awareness Programme	60
5.	06/06/2015	Awareness programme on Environment	55



6.	27/06/2015 To 04/07/2015	Mass tree Plantation	50
7.	15 /08/2015	Independence day celebration	66
8.	19/09/2015	Engineer's day celebration	65
9.	02/10/2015	Gandhi Jayanthi Celebration	63
10.	07/11/2015	Kannada Rajyotsava Celebration	50
11.	26/01/2014	Republic day celebration	34
12.	15/03/2014	World Women's Day celebration	45
13.	12/04/2014	Health Day Celebration	55
14.	31/05/2014 to 7/06/2014	Van Mahotsava Week	60
15.	15 /08/2014	Independence day celebration	67
16.	05/09/2014	Teacher's day celebration	44
	02/10/2014	Gandhi Jayanthi Celebration	40
	10/12/2014	Awareness programme on Human Rights	44
	26/01/2013	Republic day celebration	35

35. SWOC analysis of the department and Future plans

STRENGTH

- Recognized as Research Center by Visvesvaraya Technological University
- Department is Permanently Affiliated by Visvesvaraya Technological University
- Well Structured and Established Laboratory with sophisticated equipments
- Good record of University Rank Holders, Placement in Reputed Companies
- MOU with WIPRO and INFOSYS

WEAKNESS

- Students from rural background lack in Communication skills.
- Lack of patents.
- Number of sponsored major/minor Research Projects.

OPPORTUNITIES

- Research Grants from Industry and Government Agencies
- Collaborative Work with Research Institutes
- Organizing Symposium/Conferences and workshops to improve Student's Quality
- Organizing Industrial Visits to the students to gain practical knowledge



CHALLENGES

- Getting Funded Projects
- Fluctuating demand in Industry and Molding the students towards its expectation
- Motivating the students to gain confidence in soft and communication skill

FUTURE PLAN

- To obtain more University Ranks
- To promote more Funding Projects
- Center of Excellence and Research plan
- Promoting to get more consultancy Projects
- Conduction of Research Activities.
- To get autonomous status.
- Efficient utilization of student's project for Institutional growth.



Department of Information Science and Engineering

1. **Name of the Department** : Information Science and Engineering

2. **Year of Establishment** :UG-2001-02

3. **Name of Programmes / Courses offered:**

B.E in Information science and Engineering

4. **Name of Interdisciplinary courses and the departments / units involved**

Sl. no	Semester	Subject code	Name of the Subject	Dept. handling the subject
1	III	10MAT31	Engineering Mathematics-III	Basic Sciences and Humanities
2	III	MATDIP301	Advanced Mathematics-I	Basic Sciences and Humanities
3	IV	10MAT41	Engineering Mathematics-IV	Basic Sciences and Humanities
4	IV	MATDIP401	Advanced Mathematics-II	Basic Sciences and Humanities

5. **Annual / Semester / Choice based credit system(programme wise)**

Semester system/CBCS from academic year 2015-16 (UG)

6. **Participation of the department in the courses offered by other departments:** NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
NIL

8. **Details of courses / programmes discontinued (if any) with reasons:** NIL

9. **Number of Teaching posts**

	Sanctioned	Filled
Professor	2	2
Associate Professor	4	4
Assistant Professor	22	22

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc/D.Litt./Ph.D/M.Phil.etc)**



Sl. No.	Name	Qualification	Designation	Specialization	No of years of Experience	No of Ph.D Students guided for the last four years
1.	Dr. Suresh M B	B E , M.Tech, Ph.d	Prof and Head	CSE	16	-
2.	Dr. Sudhakar	B E , M.Tech, Ph.d	Professor	CSE	14	-
3.	Ms. Manjula G	B E , M.Tech	Assoc. Prof	CSE	11	-
4.	Mr. Jagadisha N	B E , M.Tech, (PhD)	Assoc. Prof	CSE	10	-
5.	Ms. Smitha P	B E , M.Tech	Assoc. Prof	CSE	09	-
6.	Ms. Savitha T	B E , M.Tech	Assoc. Prof	CSE	08	-
7.	Ms. Shruthi T V	B E , M.Tech	Asst. Prof	CSE	07	-
8.	Ms. Usha M V	B E , M.Tech	Asst. Prof	CSE	06	-
9.	Mr. Ravikumar J	B E , M.Tech, (PhD)	Asst. Prof	CSE	05	-
10.	Ms. Manjula B S	B E , M.Tech	Asst. Prof	CSE	06	-
11.	Ms. Roopa Mahadev	B E , M.Tech	Asst. Prof	CSE	05	-
12.	Ms. Shruthi J	B E , M.Tech	Asst. Prof	CSE	04	-
13.	Mr. Hemanth Kumar	B E , M.Tech	Asst. Prof	CSE	03	-
14.	Mr. Shashank H P	B E , M.Tech	Asst. Prof	CSE	03	-
15.	Ms. Geetha N	B E , M.Tech	Asst. Prof	CSE	02	-
16.	Ms. Chethana	B E , M.Tech	Asst. Prof	CSE	02	-
17.	Ms. Vidya K	B E , M.Tech	Asst. Prof	CSE	01	-
18.	Ms. Divya K V	B E , M.Tech	Asst. Prof	CSE	01	-
19.	Ms. Mamatha B N	B E , M.Tech	Asst. Prof	CSE	01	-
20.	Mr. Suresh Kumar	B E , M.Tech	Asst. Prof	CSE	01	-
21.	Ms. Bhavya T	B E , M.Tech	Asst. Prof	CSE	01	-
22.	Ms. Rashmi J	B E , M.Tech	Asst. Prof	CSE	01	-



23.	Ms. Divyajyothi	B E , M.Tech	Asst. Prof	CSE	02	-
24.	Ms. Neethu Sharma	B E , M.Tech	Asst. Prof	CSE	01	-
25.	Ms. Kavyashree	B E , M.Tech	Asst. Prof	CSE	01	-
26.	Ms. Ramya V Kulkarni	B E , M.Tech	Asst. Prof	CSE	04	-
27.	Ms. Vidya Kumari H S	B E , M.Tech	Asst. Prof	CSE	03	-
28.	Ms. Sushma Kotur	B E , M.Tech	Asst. Prof	CSE	03	-

11. List of senior visiting faculty:

Sl.No.	Name of the Visiting Faculty
1	Dr. Mohan H S, Prof and Head, Dept of ISE, SJBIT, Bangalore
2	Dr. T R Mahesh, Professor, Dept of CSE, TJIT, Bangalore

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student – Teacher Ratio (programme wise):

UG: 1:15

14. Number of academic support staff(technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Technical Staff	-----	5
Administrative Staff	-----	5

15. Qualifications of teaching faculty with Dsc / D,Litt /Ph.D/ Mphil / PG

Ph.D : 02

M.Tech : 26

Total : 28

16. Number of faculty with ongoing projects from

a. National : NIL

b. International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST ; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Center / facility recognized by the University: NIL



19. Publications

- ❖ **Publications per faculty** : 02
- ❖ **Number of Papers published in peer reviewed journal (national / international) by faculty and students** : 56
- ❖ **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)** : 20
- ❖ **Monographs:** Nil
- ❖ **Chapters in Books:** Nil
- ❖ **Books Edited:** Nil
- ❖ **Books with ISBN/ISSN numbers with details of publishers:** Nil
- ❖ **Citation Index:** Nil
- ❖ **SNIP:** Nil
- ❖ **SJR:** Nil
- ❖ **Impact factor** : 1- 3.0
- ❖ **h-Index** : Nil

20. Area of consultancy and income generated: Rs. 2, 05,170

21. Faculty as members in

- a) **National Committees:** Nil
- b) **International Committees** : Nil
- c) **Editorial Boards** : 1

22. Student Projects

- a) **Percentage of students who have done in – house project s /out-house projects including inter departmental / programme** :90%
- b) **Percentage of students placed for the projects in the organization outside the institution:** 10%

23. Awards / Recognition received by faculty and students

Sl no	Name	Faculty / Student	Subject/Area	Nature of Recognition
1	Mr. Mohan	Student	Workshop on Android app development	I Place
2	Ms. Navyashree	Student	Workshop on Android app development	I place
3	Mr.Farhan	Student	Quiz competition held	I Place



			at IISc Bangalore on Global Warming	
4	Ms. Madhuri	Student	Best Project Award in the Project Expo- 2015 held at RNSIT, Bangalore	II Place
5	Mr. Manjesh R	Student	Best Project Award in the Project Expo- 2015 held at RNSIT, Bangalore	II Place
6	Ms. Megha S	Student	Code Debugging Contest at CSI-GAT state level Tech meet held at GAT, Bangalore	II Place
7	Ms. Nivedita C R	Student	Code Debugging Contest at CSI-GAT state level Tech meet held at GAT, Bangalore	II Place

24. List of Eminent academicians and scientists / visitors to the department.

Sl.No	Date	Resource Person	Designation and Address
1	05/2/2015	Mr.Sajith Kumar	Manager, Mind soft technologies
2	12/2/2015	Mr. Vishal	Centre head, Director
3	21/2/2015	Mr. Shivram Reddy	Professor BMS Institute of technology
4	28/2/2015-01/3/2015	Ms.Pooja Jayram Mr.Vinay v	Asst. managers Disciples India Group
5	17/4/2015	Mr.Jayanth	Manager, NIIT , Bangalore
6	7/9/2015	Mr Umesh Chandra	Centre Head, NIIT Bangalore
7	9/9/2015	Mr John Kurian	Mangager International Education Pathways Private Limited, Bangalore
8	13/8/2014	Dr.C.M. Patil	Professor, Vidya Vikas Institute of Technology, Mysore
9	19/8/2014	Mrs.Madhushree K	Centre head, NIIT, Bangalore, Bangalore
10	20/8/2014	Mr. Kiran B N	General Manager, Disciples India Group, Bangalore
11	25/8/2014	Mr Shankar	Director,



			Infotech India Limited, Bangalore
12	26/8/2014	Mr Prashant Yag	General Manager, I3 Ltd., Bangalore
13	10/9/2014	Mr. L P Lakshman	General Manager, Disciples India Group Bangalore
14	26/9/2014	Dr. C M Patil	Professor, Vidya Vikas Institute of Technology Mysore
15	26/9/2014	Dr. Nagraja B G	Professor, Jain College of Engineering, Belagavi
16	26/9/2014	Prof. Purohit Srinivasacharya	Professor, Dept of CSE Siddaganga Institute of Technolgy Tumakuru
17	30/9/2014	Mr. Mohammed Bardolia	Manager, Cloud Technologies, Bangalore
18	26/9/2013 – 28/9/ 2013	Mr. Kiran B M	Asst. Director # Define Technologies, Bangalore
19	2/10/2013 – 3/10/ 2013	Mr. Santhosh	Director # Define Technologies, Bangalore
20	9/10/ 2013	Mr. Anil Bidari	CEO “Cloud Enabled Technologies”, Bangalore

25. Seminars/Conferences/Workshops organized & the source of funding**a) National**

S.No	Date	Nature of the Programme	Source of Funding
1	01/03/2016	Seminar on Higher Education in abroad and challenges	institution
2	05/02/2015	Seminar on How to face & get Success in Competitive examinations like GRE, GMAT & TOEFEL	institution
3	12/2/2015	Seminar on Careers in IT	institution
4	28/2/2015-01/3/2015	Seminar on Emerging trends in Information Technology & Mathematics	institution
5	17/4/2015	Seminar on Higher Education in Abroad	institution
6	7/9/2015	Seminar on Interview skills and advanced java	institution



7	9/9/2015	Seminar on Opportunities and Higher Education in abroad	institution
8	23/9/2015	Seminar on Climate Change Quiz-2015	institution
9	11/8/2014	Seminar on Seminar on Network devices	institution
10	13/8/2014	Technical seminar on Image Processing	institution
11	18/8/2014	Seminar on Higher Education in abroad and scholarship facilities	institution
12	19/8/2014	Seminar on Preparation Careers in IT	institution
13	20/8/2014	Workshop on Web Development	institution
14	25/8/2014	Seminar on Hadoop Technologies	institution
15	26/8/2014	Seminar on Youth empowerment	institution
16	10/9/2014	Seminar on GATE Exam & its importance	institution
17	26/9/2014	Latex workshop	institution
18	30/9/2014	Seminar on Cloud Computing	institution
19	19/3/2014	Sudoku and Tech Quiz	institution
20	26/9/2013 -28/9/2013	A Three Days workshop on Web Development & Entrepreneurship	institution
21	2/10/2013 – 3/10/ 2013	A Two Days workshop on Android Development	institution
22	19/10/ 2013	Seminar on Cloud Computing	institution
23	27/10/2013	Seminar on importance of GATE Examination	institution

b) **International** – NIL

26. Student profile programme / course wise

Name of the Course/Programme	Academic Year	Application Received	Selected	Enrolled		Pass Percentage
				*M	*F	
B. E- ISE	2014-2015	NA	90	47	43	67.78
	2013-2014		82	33	49	85.01
	2012-2013		83	42	41	93.97
	2011-2012		110	45	65	100.00



*M= Male *F= Female

27. Diversity of Students

Name of the Course	%of the students from the same state	% of the students from other states	%of the students from abroad
B E-ISE(2015-16)	97%	3%	-
B E-ISE(2014-15)	97%	3%	-
B E-ISE(2013-14)	98%	2%	-
B E-ISE(2012-13)	96%	2%	2%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services etc.? :14

29. Student progression

Student Progression	Against % enrolled
UG to PG	4%
PG to M.Phil	Nil
PG to Ph.D	Nil
Ph.D to Post – Doctoral	Nil
Employed	
-Campus Selection	71.25%
-Other than Campus Recruitment	23.55%
Entrepreneurship/Self Employment	1.2%

30. Details of Infrastructural Facilities

- a) **Library:** Yes: 1407
- b) **Internet facility available for staff and students :** Yes (65Mbps)
- c) **Class rooms with ICT facility:** yes, (2)
- d) **Laboratories :** Eight (08)

31. Number of students receiving financial assistance from college, university,

Government or other agencies: 199

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Sl.No.	Date	Name of the activity	Resource Person
1	01/3/2016	Seminar on Higher Education in abroad and challenges	Mr. Gurusharan, Development Manager, Jamboree Services Ltd, Bangalore
2	03/10/2015	Workshop on Online Aptitude Test And Programming Skills Test	EWIT, ISE Dept
3	23/9/2015	Seminar on Climate Change Quiz-2015	Held at Indian Institute Of Science, Bangalore



4	09/9/2015	Seminar on Opportunities and Higher Education in abroad	Mr John Kurian, Mangager International Education Pathways Private Limited
5	07/9/2015	Seminar on “Interview skills and advanced java”	Mr Umesh Chandra Centre Head, NIIT Bangalore
6	17/4/2015	Seminar on Higher Education in abroad and scholarship facilities	Ms. Madhushree, Centre Head, NIIT, Bangalore
7	17/4/2015	Seminar on Higher education in abroad	Mr.Jayanth, Mindsoft Technologies, Bangalore
8	28/2/2015-01/3/2015	work shop on Android development	Ms.Pooja Jayram, Mr.Vinay V, Diciples India Group, Bangalore
9	21/2/2015	Annual sports Events Conducted For all the students	Mr.Shivram Reddy, BMS Institute of technology, Bangalore
10	12/2/2015	Seminar on “Careers in IT”	Mr. Vishal, NIIT Director Bangalore
11	05/2/2015	Seminar on How to face and get success in Competitive examinations like GRE, GMAT and TOEFEL	Mr.Sajith Kumar, GATE Forum, Bangalore
12	30/9/2014	Seminar on cloud computing and Its applications	Mr. Anil Bidari, CEO “Cloud Enabled Technologies” Bangalore
13	30/9/2014	Seminar on cloud computing and Its applications	Mr. Mohammed Bardolia Manager, Cloud Enabled Technolgies, Bangalore
14	26/9/2014	Workshop On “use of Latex tool in research and Thesis writing”	Dr.C M. Patil, Dr. Nagraj B.G., Prof. Purohit Srinivas Acharya
15	10/9/2014	Seminar on Gate exam and its importance	Mr.L.P Lakshman, NIIT Centre Manager, Bangalore
16	10/9/2014	Seminar on “importance of GATE Examination”	“GATE FORUM” Bangalore
17	26/8/2014	Seminar on youth empowerment	Mr. Prashant Yag, I3 Ltd. Bangalore
18	25/8/2014	Seminar on HADOOP Technologies	Mr. Shankar , Infotech, Bangalore
19	20/8/2014	Workshop and hands on Training on Web development	Mr. Kiran B.N, Disliples India group Bangalore
20	19/8/2014	Seminar on Preparation careers in IT	Ms. Madhushree K, NIIT Bangalore
21	13/8/2014	Seminar on Image processing	Dr.C.M. Patil, Professor,



		and Its applications	VVIT, Mysore
22	11/8/2014	Seminar on Network devices and applications	Mr.Prasanna P Doddamani Infotech, Bangalore
23	19/3/2014	Workshop on Sudoku and Tech Quiz Competition for the students	Faculties and coordinators, ISE Dept, EWIT, Bangalore
24	2/10/2013- 3/10/ 2013	Workshop on “Android” Development	Mr Kiran # Define Technologies, Bangalore
25	26/9/2013- 28/9/2013	Workshop on “Web development and Entrepreneurship	Mr Kiran # Define Technologies, Bangalore
26	20/11/2011	Seminar on Emerging Trends in Information technology and Mathematics	Mr. Anant, Infotech Bangalore

33. Teaching methods adopted to improve student learning

- E- learning Resources
- Experimental Exercises / Simulation
- Group Discussions
- Skill Practices
- Real life experiences

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl no	Date	Activity	No. of Students participated
1.	05/3/2016	Eye Check – Up camp	45
2.	26/1/2016	Republic day celebration	40
3.	07/11/2015	Kannada Rajyotsava Celebration	50
4.	02/10/2015	Gandhi Jayanthi Celebration	63
5.	19/9/2015	Engineer’s day celebration	65
6.	15 /8/2015	Independence day celebration	66
7.	27/6/2015 To 04/7/2015	Mass tree Plantation	50
8.	06/6/2015	Awareness programme on Environment	55
9.	11/4/2015	Health awareness Programme	60
10.	26/1/2015	Republic day celebration	85
11.	10/12/2014	Awareness programme on Human Rights	44
12.	02/10/2014	Gandhi Jayanthi Celebration	40
13.	05/9/2014	Teacher’s day celebration	44
14.	15 /8/2014	Independence day celebration	67
15.	31/5/2014 - 7/6/2014	Van Mahotsava Week	60
16.	12/4/2014	Health Day Celebration	55
17.	15/3/2014	World Women’s Day	45



		celebration	
18.	26/1/2014	Republic day celebration	34

35. SWOC analysis of the department and Future plans

STRENGTH

- ❖ Regular online conduction of Aptitude test and Placement Training
- ❖ Developed in house departmental Library software and assisting all other departments to make use of software
- ❖ Experienced Faculty Members with Excellent Academic Background
- ❖ Well Equipped Laboratories
- ❖ Good record of University Rank Holders, Placement in Reputed Companies
- ❖ MOU with WIPRO and INFOSYS

WEAKNESS

- ❖ Professional Development of faculty is limited
- ❖ Lack of consultancy Project
- ❖ Lack in strengthening Industry Institute Interaction
- ❖ Poor Communication skill as most of our students is from rural area
- ❖ Lack of Research Activities and patents

OPPORTUNITIES

- ❖ Research Grants from Industry and Government Agencies
- ❖ Collaborative Work with Research Institutes
- ❖ New trends in Multi-Disciplinary Professional Education and new Teaching Methods
- ❖ Organizing Symposium/Conferences and other activates to improve Student's Quality
- ❖ Organizing Industrial Visits to the students to gain practical knowledge

CHALLENGES

- ❖ Getting Funded Projects
- ❖ Training students beyond academics with a special focus to Domain Expertise
- ❖ Fluctuating demand in Industry and Molding the students towards its expectation
- ❖ Preparing students to appear for GATE, GRE and TOEFL
- ❖ Helping students in analyzing their capabilities



- ❖ Motivating the students to gain confidence in soft and communication skill

FUTURE PLANS

- ❖ To produce more University Ranks
- ❖ To promote more Funding Projects
- ❖ Making Awareness on Quality in Engineering
- ❖ Promoting to get more consultancy Projects
- ❖ Conduction of Research Activities

**Department of Civil Engineering**

1. **Name of the Department** : Civil Engineering

2. **Year of Establishment** : UG: 2008-09

PG: 2010-11 : Structural Engineering

PG: 2010-11 : Geotechnical Engineering

Research Centre : 2012-13

3. **Names of Programmes/Courses offered**

B.E in Civil Engineering

M.Tech in Structural Engineering

M.Tech in Geotechnical Engineering

Ph.D/ M.Sc Engineering in Civil Engineering.

4. **Names of Interdisciplinary courses and the departments/units involved.**

Sl. No.	Semester	Subject code	Name of the subject	Dept. handling subject
1	III	10MAT31	Engineering Mathematics III	Basic Sciences and Humanities
2	IV	10MAT41	Engineering Mathematics IV	Basic Sciences and Humanities
3	III	MATDIP301	Advanced Mathematics I	Basic Sciences and Humanities
4	IV	MATDIP401	Advanced Mathematics II	Basic Sciences and Humanities
5	III/IV	15CIV18	Environmental Studies	Basic Sciences and Humanities
6	III/IV	15CPH28	Constitution Of India, Professional Ethics and Human Rights	Basic Sciences and Humanities

5. **Annual/semester/choice based credit system(programme wise)**

Semester System / CBCS from the academic year 2015-16 (UG)

6. **Participation of the department in the courses offered by other departments:** Nil

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. **Details of courses/programmes discontinued (if any) with reasons:** Nil

9. **Number of teaching posts**



	Sanctioned	Filled
Professors	5	5
Associate Professors	6	6
Asst. Professors	31	31

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil.etc.,)

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 years
1.	Dr.Ramesh.B.R.	B.E., M.Tech.,Ph.D	Prof. and HOD	WRE	30	2
2.	Dr. Harish.N.	B.E., M.Tech.,Ph.D	Professor	Struc. Engg	8	
3.	Dr. Shashi Shekar T R	B.Sc.,M.Sc,Ph.D	Professor	Env. Sc.	15	2
4.	Dr. B R Channappa	B.Sc.,M.Sc,Ph.D	Professor	Geology	22	
5.	Dr. Radhika K N	B.Sc.,M.Sc,Ph.D	Professor	Geology	5.5	
6.	Prof. Nagaraja Gupta M S	B.E.,M.E., MBA,(Ph.D)	Assoc. Prof	Env. Engg.	22	
7.	Col. P S Prasanna	B.E., (M.E)	Assoc. Prof	Env. Engg.	30	
8.	Mrs. Ashwini G	B.E., M.E, (Ph.D)	Assoc. Prof	PSC	7	
9.	Mrs. Geetha K	B.E., M.E.,(Ph.D)	Assoc. Prof	Structural Engineering	10	
10.	Mrs. Chandisha E V	B.E., M.E,(Ph.D)	Assoc. Prof	Geo tech Engg.	9	
11.	Mrs. Pushpa B L	B.E., M.E.,(Ph.D)	Assoc. Prof	Construction. Engg.	4	
12.	Mrs. Shruthi H K	B.E., M.Tech.,(Ph.D)	Asst. Prof.	Struc. Engg.	4	
13.	Mr. Vinod Shavare	B.E., M.Tech.,(Ph.D)	Asst. Prof.	Struc. Engg.	6	
14.	Ms. Mamatha A	B.E., M.Tech. (Ph.D)	Asst. Prof.	Struc. Engg.	6	
15.	Mr. Vijay Kumar D	B.E., M.Tech	Asst. Prof.	Struc. Engg.	6	



16.	Mr. Arun Kumar H R	B.E., M.Tech., (Ph.D)	Asst. Prof.	Struc. Engg.	4	
17.	Mrs. Aruna T	B.E., M.Tech. (Ph.D)	Asst. Prof.	Geotech Engg	4	
18.	Mr. Shivakumar M Hosamani	B.E., M.Tech.,	Asst. Prof.	Highway Engg.	3	
19.	Mr. Harish C	B.E., M.Tech.	Asst. Prof.	Geotech Engg	6	
20.	Mrs. Deepa C S	B.E., M.Tech.,(Ph.D)	Asst. Prof.	Env. Engg.	3	
21.	Ms. Shilpa B S	B.E., M.Tech.	Asst. Prof.	Struc. Engg	3	
22.	Mrs. Sreedevi R	B.E., M.Tech. (Ph.D)	Asst. Prof.	WLM	2	
23.	Mrs. Ramyashree	B.E., M.Tech.	Asst. Prof.	Struc. Engg.	3	
24.	Mr. Raghunandan C Mantri	B.E., M.E.	Asst. Prof.	Const. Tech.	2	
25.	Mr. Nagarjuna S	B.E., M.Tech.	Asst. Prof.	Geotech Engg.	1	
26.	Mr. Girish S	B.E., M.Tech.(Ph.D)	Asst. Prof.	Const. Tech.	2	
27.	Mr. Manjunath Itagi	B.E., M.E., (Ph.D).	Asst. Prof.	PSC	3	
28.	Mrs. B K Smitha	B.E., M.Tech.	Asst. Prof.	Struc. Engg.	5	
29.	Mrs. Rajeshwari B	B.E., M.Tech	Asst. Prof.	Transportation	3	
30.	Ms. Usha K N	B.E., M.Tech.,	Asst. Prof.	Struc. Engg	2	
31.	Ms. Soumya R	B.E., M.Tech.	Asst. Prof.	Geotech. Engg.	0.5	
32.	Mr. Mohan K	B.E., M.Tech	Asst. Prof.	Struc. Engg.	2.5	
33.	Mr. Tejnatha R	B.E., M.Tech.	Asst. Prof.	Geotech Engg	2	
34.	Mr. Rakesh C	B.E., M.Tech. (Ph.D)	Asst. Prof.	Geotech Engg	4	
35.	Mr. Siddesh N	B.E., M.Tech	Asst. Prof.	Struc. Engg.	8	
36.	Mr. Rohith B E	B.E., M.Tech. (Ph.D)	Asst. Prof.	Highway Engg	4	
37.	Mr. Naveen R	B.E., M.E	Asst. Prof.	Struc. Engg.	5	
38.	Mr. Basavana Gowda	B.E., M.Tech. (Ph.D)	Asst. Prof.	Struc. Engg.	3	
39.	Mrs. Swathi Rani K S	B.E., M.Tech.	Asst. Prof.	Struc. Engg.	5	
40.	Mrs. Deepthi H O	B.E., M.Tech.	Asst. Prof.	Earthquake Engg.	3	



41.	Ms. Tejaswini	B.E., M.Tech	Asst. Prof.	Structural Engineering	1	
42.	Mrs. Shalini	B.E., M.Tech	Asst. Prof.	Earthquake Engg.	1	

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) By temporary faculty: Nil

13. Student-Teacher Ratio (programme wise):

UG: 1:15

PG: 1:12

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Technical staff	10	10
Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG

Ph. D: 5

PG : 37

16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received:Nil

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR,etc.. and total grants received : Nil

18. Research Centre/facility recognized by the University :

Department of CE has been recognized as Research Center by VTU “Jnana Sangama”, Belgaum. Ref. No. VTU/academic-Res-Cen/2015-16/6726(n)

19. Publications: (Put avg. for all these)

❖ **Publication per faculty:** 1.42

❖ **Number of papers published in peer reviewed journals (National / International) by faculty and students:**60

❖ **Number of publications listed in international database: (For Eg.: Web of Science, Scopus, humanities International complete, Dare Database – International Sciences Directory, EBSCO host, etc.):**21



- ❖ **Monographs:** Nil
- ❖ **Chapters in Books:**2
- ❖ **Books Edited:**Nil
- ❖ **Books with ISBN/ISSN numbers with details of publishers:** 7
- ❖ **Citation Index:**75-85
- ❖ **SNIP:**Nil
- ❖ **SJR:**Nil
- ❖ **Impact Factor:**0-2
- ❖ **H – index:**2

20. **Areas of consultancy and income generated:** Nil

21. **Faculty as member in**

a) **National Committee:** Nil

b) **International Committee:** Nil

c) **Editorial board:** 1

22. **Student projects:**

- a) Percentage of students who have done in-house projects including inter departmental /programme: 94%
- b) Percentage of students placed for projects in organizations outside the institution i.e., in research laboratories/industry/other agencies: 6%

22. **Awards / Recognitions received by faculty and students**

S. No	Name	Faculty/ Student	Subject/ Area	Nature of Recognition
1.	Shruthi K	Student	BE Civil Engineering	VTU 10 th rank, 2014-15
2.	Likitha	Student	M.Tech in Geotechnical Engineering	VTU 1 st Rank, 2014-15
3.	Varnasri	Student	M.Tech in Geotechnical Engineering	VTU 3 rd Rank, 2014-15
4.	Anupama B R	Student	BE Civil Engineering	Panchagatti Gold Medal Award 2011-12
5.	Pallavi P	Student	M.Tech in Geotechnical Engineering	VTU 1st Rank, 2012-13
6.	Pavithra M	Student	M.Tech in Geotechnical Engineering	VTU 2nd Rank, 2012-13



7.	Sandhya Rani G M	Student	M.Tech in Geotechnical Engineering	VTU 3rd Rank , 2012-13
8.	Vidya T H	Student	M.Tech in Geotechnical Engineering	VTU 1st Rank, 2013-14
9.	Divya Vishwanath	Student	M.Tech in Geotechnical Engineering	VTU 2nd Rank, 2013-14
10.	Dr. K N Radhika	Faculty	National Conference paper (Central University of Kalburgi)	Best poster presentation, January 2016
11.	Mrs.R.Sreedevi	Faculty	National Conference paper(SGBIT, Belgaum)	Best paper Award, January 2016
12.	Harshith S	Student	High jump, University level	Won Gold medal 2015, 2016

24. List of eminent academicians and scientists visitors to the department

Sl. No	Date	Name	Designation And Address
1	5 th April 2016	Dr. Sivapullaiah	Professor, IISc.
2	5th April 2016	Dr. H N Ramesh	Professor, UVCE
3	5th April 2016	Dr.L.Govindaraju	Professor, UVCE
4	29 th Feb & 1 st March 2016	Mr. Vasudev Murthy	
5	22nd March 2016	Sri C.S.Ramasesha	Comissioner (Retd.), Ministry of Water Resources, GoI
6	15th September 2015	Dr.SureshNagesh	PES University, Bangalore
7	27th March, 2015	Dr. R Nagendra,	Civil Aid, Bangalore
8	29th March, 2014	Guruprasad G	Chief Engineer, Water Resource Department, GOK
9	29th March, 2014	Shivakumar J Nyamati,	Associate Professor, UVCE Bangalore
10	15th September 2013	Dr. Veeresh K Basalahalli	Director, Sir. MVIT
11	15th September 2013	Dr. N. Govindaraju	HOD, Mechanical dept, Sir MVIT
12	27th, 28thand 29th April, 2012	Dr. M R Pranesh,	Advisor, Emeritus, EWIT and Vice President, KERF
13	27th, 28thand 29th April, 2012	Sri.JaymesKhell,	Manager – South Asia for the Under Ground



			division of BASF
13	27th, 28th and 29th April, 2012	Sri. C J Jagadeesha,	Scientist, ISRO and Secretary, KERF
14	27th, 28th and 29th April, 2012	Sri.R Richardson,	ASIR, Head of railway sector, Soma Enterprise Ltd., Bangalore
15	27th, 28th and 29th April, 2012	Ms.Raji,	Research Scholar, Geotechnical Engg., IISc, Bangalore
16	27th, 28th and 29th April, 2012	Prof. T.G.Sitaram	Prof. of Civil Engineering, IISc and Chairman, KGC, Bangalore
17	27th, 28th and 29th April, 2012	Sri.R.Sridhar,	CEO and Director, APEX ENCON Pvt. Ltd.,

25. Seminars/Conferences/Workshops organized and the source of funding**a) National**

Sl. No.	Date	Nature of the Programme	Source of Funding
1	5 th April, 2016	National Workshop on Recent Trends in Geotechnical Engineering	In house
	29 th Feb & 1 st March 2016	Workshop on Cement & Concrete – An insight to the world	In house
2	27 th , 28 th and 29 th April, 2012	National Workshop on Tunneling Mechanics and Underground Excavation	In house

c) International: Nil**26. Student profile programme/course wise:**

Name of the programme/Course	Academic Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
PG CGT	2015-16	NA	18	13	5	
PG Struc			18	11	7	



B.E Civil Engg.	2014-15		172	132	40	
Ph.D Civil Engg.			2	0	2	
PG CGT			17	12	5	94
PG Struc			18	11	7	100
B.E Civil Engg.			147	150	38	92
Ph.D Civil Engg.			-	-	-	
PG CGT	2013-14		18	13	5	94
PG Struc			15	11	4	100
B.E Civil Engg.			110	70	56	97
Ph.D Civil Engg.			-	-	-	
PG CGT	2012-13		18	12	6	100
PG Struc			18	11	7	100
B.E Civil Engg.						98
Ph.D Civil Engg.			1	1	-	

27. Diversity of students:

Name of the prog/Course	% of students from the same state	% of students from the other state	% of students from abroad
B.E (2015-16)	87.3	12.7	0
B.E (2014-15)	78.2	21.28	0.52
B.E (2013-14)	81.39	18.6	-
B.E (2012-13)	80	20	-

28. How many students have cleared national and state competitive examinations

Such as NET, SLET, GATE, Civil services, Defense services, etc. :3

29. Student progression:

Student Progression	Against % enrolled
UG to PG	116
PG to M. Phil	--
PG to Ph D	1
Ph.D to Post-doctoral	--
Employed	
❖ Campus Selection	--
❖ Other than campus recruitment	60%
Entrepreneurship / Self Employment	2%

30. Details of Infrastructural facilities

a) **Library:** Yes



Total number of Books available -1300

- b) **Internet facility available for Staff and students** : 65Mbps
c) **Class rooms with ICT facility** : 5
d) **Laboratories** : 10

31. Number of students receiving financial assistance from college, University, government or other agencies: 366

32. Details on student enrichment programs (special lectures / workshops / seminar) with external experts:

S. No	Date	Name of the activity	Resource Person
1	22 nd March 2016	World Water Day	Sri.C.S.Ramasesha, Commissioner (Retd) Minsitry of Water Resources, GoI
2	5 th April 2016	National Workshop on “Recent trends in Geotechnical Engineering”	Dr. Sivapullaiah, Professor, IISc
3	5 th April 2016	National Workshop on “Recent trends in Geotechnical Engineering”	Dr. H N Ramesh, Professor, UVCE
4	5 th April 2016	National Workshop on “Recent trends in Geotechnical Engineering”	Dr. L.Govindaraju Professor, UVCE
5	27 th March, 2015	Build Mat Exhibition	Dr. R Nagendra, Civil Aid, Bangalore
	29 th Feb & 1 st Mar 2016Mar	Workshop on Cement & concrete	Mr. Vasudev Murthy
6	15 th September 2015	Engineer’s day	Dr. Suresh Nagesh, PES University
7	29 th March, 2014	World Water day	Shivakumar J Nayamati, Associate Professor, UVCE Bangalore
8	29 th March, 2014	World Water day	Guruprasad G Chief Engineer, Water Resource Department, GOK
9	15 th September 2013	Engineers’ day	Dr. N. Govindaraju, HOD, Mechanical dept, Sir MVIT Dr. Veeresh K



			Basalahalli, Director, Sir. MVIT
11	27th, 28th and 29th April, 2012	National Seminar on Tunnel Engineering	Sri.R.Sridhar, CEO and Director, APEX ENCON Pvt. Ltd.,
12	27th, 28th and 29th April, 2012	National Seminar on Tunnel Engineering	Prof. T.G.Sitaram, Prof. of Civil Engineering, IISc and Chairman, KGC, Bangalore
13	27th, 28th and 29th April, 2012	National Seminar on Tunnel Engineering	Ms.Raji, Research Scholar, Geotechnical Engg., IISc, Bangalore
14	27th, 28th and 29th April, 2012	National Seminar on Tunnel Engineering	Sri.R Richardson, ASIR, Head of railway sector, Soma Enterprise Ltd., Bangalore
15	27th, 28th and 29th April, 2012	National Seminar on Tunnel Engineering	Sri. C J Jagadeesha, Scientist, ISRO and Secretary, KERF
16	27th, 28th and 29th April, 2012	National Seminar on Tunnel Engineering	Manager – South Asia for the Under Ground division of BASF
17	27th, 28th and 29th April, 2012	National Seminar on Tunnel Engineering	Prof. M R Pranesh, Advisor, Emeritus, EWIT and Vice President, KERF

33. Teaching methods adopted to improve student learning

- ❖ LCD Projectors
- ❖ E-Learning Sources like Edusat, NPTEL Videos
- ❖ Tutorial Sessions for weak students
- ❖ Audio Visual System
- ❖ Models and charts
- ❖ E-learning resources
- ❖ Group discussions
- ❖ Skill practices
- ❖ Real life experiences
- ❖ Webinars
- ❖ Technical quiz
- ❖ Aptitude test



- ❖ Animation in lecture hours

34. Participation in Institutional Social Responsibility (ISR) and Extension**Activities:**

Sl No	Date	Activity	No. of Students participated
1.	26/01/2016	Republic day celebration	89
2.	5/03/2016	Eye Check – up camp	45
3.	27 th Jan 2016	Swach Bharat Abhiyaan in and around Pancha Kalyani, At Melukote	129
4.	26/01/2015	Republic day celebration	32
5.	26 th Jan 2015	Swach Bharat Abhiyaan in and around Pancha Kalyani, At Melukote	120
6.	26/01/2015	Republic day celebration	94
7.	11/04/2015	Health awareness Programme	67
8.	06/06/2015	Awareness programme on Environment	124
9.	27/06/2015 To 04/07/2015	Mass tree Plantation	54
10.	15 /08/2015	Independence day celebration	106
11.	19/09/2015	Engineer’s day celebration	89
12.	02/10/2015	Gandhi Jayanthi Celebration	49
13.	07/11/2015	Kannada Rajyotsava Celebration	152
14.	26/01/2014	Republic day celebration	103
15.	15/03/2014	World Women’s Day celebration	46
16.	12/04/2014	Health Day Celebration	57
17.	31/05/2014 to 7/06/2014	Vana Mahotsava Week	68
18.	15 /08/2014	Independence day celebration	64
19.	05/09/2014	Teacher’s day celebration	46
20.	02/10/2014	Gandhi Jayanthi Celebration	37
21.	10/12/2014	Awareness programme on Human Rights	47

35. SWOC analysis of the department and Future plans:**STRENGTH**

- ❖ University rank holders
- ❖ Dedicated faculty members
- ❖ Good infrastructure and laboratory facilities
- ❖ More than 50% of the faculty members are pursuing research work and registered for doctoral programs



- ❖ Student achievement (gold medal) in high jump, VTU university level competitions and participation in various national level competitions
- ❖ VTU recognized Research Center

WEAKNESS

- ❖ Most of the students are from rural back ground with lack of language proficiency.
- ❖ Lack of senior most faculty
- ❖ Decrease in placement rate of student community
- ❖ Lack of patents

OPPORTUNITIES

- ❖ Guidance given for students to prepare for competitive exams like UPSC, IES, GATE , IAS,GRE, etc.,
- ❖ Attention paid more on consultancy works related to material testing, soil testing and water testing etc.,
- ❖ Organizing national and international level seminars, workshops, conferences to improve the students quality
- ❖ To write the project proposals for getting the funds from government and other funding organizations
- ❖ To bring the industries for improving the placement opportunities among the students
- ❖ Scope for strengthening the industry-institute interaction for the center of excellence in the area of civil engineering fields

CHALLENGES

- ❖ To improve the pass percentage of the students at par with the top ranked colleges
- ❖ To improve the consultancy work in department
- ❖ To improve the placement status
- ❖ To increase the number of students facing competitive exams
- ❖ Develop the spirit of innovation through research
- ❖ To compete with other private and autonomous universities.

FUTURE PLANS

- ❖ To update the facilities related to research in the department.
- ❖ Equipping the departmental library with solved question banks for the benefit of the students.
- ❖ Enhancing the student's personal skills through personality development programmes.
- ❖ Updating the research center to center of excellence.



Department of Mechanical Engineering

- 1. **Name of the department** : Mechanical Engineering
- 2. **Year of establishment** :U.G 2002
P.G-M.Tech in Machine Design : 2007
P.G- M.Tech in Thermal Power Engineering : 2014
Research Center : 2011

3. Names of programmes / courses offered:

UG: 01 (B.E in Mechanical Engineering)
PG: 02 (M.Tech in Machine Design, M.Tech in Thermal Power Engineering)
Ph.D: 01(Ph.D in Mechanical Engineering Sciences)

4. Names of Interdisciplinary courses and the departments/units involved:

Sl. No	Semester	Subject Code	Name of the Subject	Dept. Handling the Subject
1	III	10MAT31	Engineering Mathematics III	Basic Sciences and Humanities
2	IV	10MAT31	Engineering Mathematics IV	Basic Sciences and Humanities
3	III	MATDIP301	Advanced Mathematics I	Basic Sciences and Humanities
4	IV	MATDIP401	Advanced Mathematics II	Basic Sciences and Humanities

5. Annual/Semester/choice based credit system (program wise):

Semester based System (Choice Based Credit System for I year)

6. Participation of the department in the courses offered by the other departments

Sl. No	Semester	Subject Code	Name of the Subject	Dept. Handling the subject
1	6	10EE662	Operations Research	Electrical and Electronics Engg.

7. Courses in collaboration with other universities, industries, foreign institutions , etc – Nil

8. Details of courses/programmes discontinued (if any) with reasons – Nil

9. Number of Teaching Posts

Sl.No	Designation	Sanctioned	Filled
1	Professors	05	05
2	Associate Prof	07	07
3	Asst.Prof	31	31

**10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. P.hD./M.Phil. etc.,)**

Sl. No.	Name of the Teaching Staff	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D students guided for the last 4 yrs
1.	Dr.Channakesh avalu	B.E, M.E, Ph.D., MISTE	Prof and Principal	Manufacturing	30	02
2.	Dr. Maruthi.B.H	B.E, M.E, Ph.D., MISTE	Prof and HOD	Machine Design	17	--
3.	Dr. Sathish Babu B	B.E, M.Tech, Ph.D., MISTE	Professor	Production Technology	13	--
4.	Dr. Raghavendra	B.E, M.Tech, Ph.D.	Professor	Manufacturing	03	--
5.	Dr. Mithun V Kulkarni	B.E, M.Tech, Ph.D.	Professor	Machine Design	08	-
6.	Chidananda Prasad. R	B.E, M.E, MBA., MISTE (Ph.D)	Asso.Prof	Manufacturing	10	--
7.	Puttaswamaiah. S	B.E, M.Tech (Ph.D), MISTE	Asso.Prof	Tool Engineering	13	--
8.	Chandru.B.T	B.E, M.Tech Ph.D), MISTE	Asso.Prof	Machine Design	14	--
9.	Guruprasad.H.L	B.E, M.Tech Ph.D), MISTE	Asso.Prof	CIM	10	--
10.	Punith Gowda.K	B.E, M.E (Ph.D)	Asso.Prof	Advanced Material Technology	08	--
11.	Aravind.K.U	B.E, M.Tech (Ph.D)	Asso.Prof	Machine Design	13	--
12.	Rudresh.M	B.E, M.Tech (Ph.D)	Asso.Prof	Design	07	--
13.	Santhosh Kumar	B.E, M.E (Ph.D)	Asst.Prof	Advanced Material Technology	05	--
14.	Venkatesh.N	B.E, M.E.(Ph.D)	Asst.Prof	Advanced Material Technology	04	--
15.	Harish H	B.E, M.E (Ph.D)	Asst.Prof	Manufacturing	03	--
16.	Rakshith A N	B.E, M.Tech (Ph.D)	Asst.Prof	Machine Design	02	--



17.	Gunesh N Ravnkar	B.E, M.Tech (Ph.D)	Asst.Prof	Thermal	02	--
18.	Rohini H.S	B.E, M.E	Asst.Prof	Thermal	08	--
19.	Swethashree.B	B.E, M.Tech., MISTE	Asst.Prof	PDM	10	--
20.	Shivraj J	B.E, M.Tech	Asst.Prof	Machine Design	04	--
21.	Vivekananda prabhu N	B.E, M.S	Asst.Prof	Automotive and motor sports	04	--
22.	Sreekanth A	B.E, M.Tech	Asst.Prof	Thermal	03	--
23.	Annapoorna K	B.E, M.Tech	Asst.Prof	Production Engineering	03	--
24.	Muruli B H	B.E, M.Tech	Asst.Prof	Manufacturing	02	--
25.	Vijayashree Nagaral	B.E, M.Tech	Asst.Prof	Production	02	--
26.	Nandan M	B.E, M.Tech	Asst.Prof	PDM	01	--
27.	Puneeth K S	B.E, M.Tech	Asst.Prof	Aeronautical Engg	02	--
28.	Mruthyunjaya Manchali	B.E, M.Tech	Asst.Prof	Thermal	01	--
29.	Vinay Kumar R	B.E, M.Tech	Asst.Prof	CIM	02	--
30.	Anil P	B.E, M.Tech	Asst.Prof	APT	01	--
31.	Krishnakant. Bhole	B.E, M.Tech	Asst.Prof	Advanced Material Technology	03	--
32.	Umesh Babu G	B.E, M. Tech	Asst.Prof	Machine Design	02	--
33.	Thippeswamy	B.E, M. Tech	Asst.Prof	Machine Design	01	--
34.	Vithun S N	B.E, M. Tech	Asst.Prof	Machine Design	05	--
35.	Chennakeshava	B.E, M. Tech	Asst.Prof	CAMA	02	--
36.	Manajunath	B.E, M. Tech	Asst.Prof	Machine Design	02	--
37.	Karthik	B.E, M. Tech	Asst.Prof	Thermal	02	--
38.	Raghu	B.E, M. Tech	Asst.Prof	Thermal	02	--
39.	Appaji Gowda B M	B.E, M. Tech(Ph.D)	Asst.Prof	Machine Design	02	--
40.	Kodandaram N	B.E, M. Tech(Ph.D)	Asst.Prof	Machine Design	02	--
41.	Praveen Kumar M B	B.E, M. Tech	Asst.Prof	Machine Design	02	--
42.	Mallika	B.E, M. Tech	Asst.Prof	Machine Design	02	--
43.	Manoranjan S N	B.E, M. Tech	Asst.Prof	Machine Design	02	--



11. List of senior visiting faculty:

Sl. No	Name of the Person
1	Prof. Satyanarayana Makam
2	Prof. Ganga Reddy

12. Percentage of lecturers delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student - Teacher Ratio (Programme wise)

UG: 1:15

PG: 1:12

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Sl. No.	Staff	Sanctioned	Filled
1	Technical Staff	10	09
2	Administrative Staff	05	05

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG

Ph.D:05

P.G : 40

16. Number of faculty with ongoing projects from (a) National (b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants received : 01 (Rs7, 00,000/- received for the year 2011-12 funded by MODROBS).

18. Research Centre/facility recognized by the University: Yes, Research centre recognized by VTU, Belgaum

(Letter No. VTU/Aca/2011-12/A12/924 dated 12/05/2011)

19. Publications

Publication per faculty: 05

❖ Number of papers in peer reviewed Journals (National/International) by faculty and students: 150



- ❖ **Number of publications listed in international data base (For eg: Web of Science, Scopus, Humanities International Complete, Dare Data base-International Social Sciences Directory, EBSCO host, etc): 02**
- ❖ **Monograms: Nil**
- ❖ **Chapters in Books: Nil**
- ❖ **Books edited: Nil**
- ❖ **Books with ISBN/ISSN numbers with details of publishers: Nil**
- ❖ **Citation Index: 0- 2**
- ❖ **SNIP: Nil**
- ❖ **SJR: Nil**
- ❖ **Impact factor: 0 - 1**
- ❖ **h-index: 01**

20. Areas of consultancy and income generated: Nil

21. Faculty as members in (a) National Committees (b) International Committees (c) Editorial Boards: 01

22. Student projects

- a) **Percentage of students who have done in-house projects including inter departmental/ program: 80%**
- b) **Percentage of students placed for projects in organization outside the institution i.e. in Research laboratories/Industry/other agencies: 20%**

23. Awards/Recognitions received by faculty and students

Sl. No.	Name	Faculty / Student	Events/Subject	Nature of Awards/Recognition
1	Chetan Kumar	Student	University M.Tech Rank holder	II Rank
2	Shruthi	Student	University M.Tech Rank holder	II Rank
3	Guruprasad H L	Faculty	Computer Aided Engineering Drawing	100% Result
4	Rudresh M	Faculty	Advanced Machine Design, EME, Fracture Mechanics	100% Result
5	Vivekananda Prabhu N	Faculty	Manufacturing Process, Automotive, Composites	100% Result
6	Chandru B T	Faculty	Theory of Elasticity, Advanced Theory of	100% Result



			Vibration	
7	Shivaraj J	Faculty	Elements of Mechanical Engineering	100% Result
8	Aditya Baradwaj E Ashwin M A	Student	National level Balloon SAT competition	2nd runner up
9	Arjun V Rao, Chintan S Patel Darshan S Rao Karthik N Senapathy	Student	Zonal level Robotics Competition	2nd place
10	Karthik N Senapathy	Student	National level Robotics Competition	Final Round
11	Karthik N Senapathy	Student	Instrumental Music Solo (Percussion) Consecutive for 3 Years	1st Place

24. List of eminent academicians and scientists/ visitors to the department

Sl. No.	Date	Name	Designation and Address
1	17/03/2015	Dr. T Krishna Rao	Prof and Head, Department Mechanical Engineering, Reva University, Bangalore
2	18/04/2015	Dr. Gopalakrishna	Professor, Department Mechanical Engineering, Jain University, Bangalore
3	19/05/2015	Dr. C Suresh	Professor, Department Mechanical Engineering, BIT, Bangalore
4	12/09/2015	Madhav Murthy	Assistant Professor, Department Mechanical Engineering, JSSAME, Bangalore
5	19/09/2014	Dr. T Krishna Rao	Principal, Alpha college of Engineering
6	18/10/2014	Mr. Prasanna Kiran	Asst. Manager, BOSCH
7	19/03/2014	Mr. Sathish K U	Architect, RBEI
8	31/08/2013	Mr. Jayachandran	Manager, HAL
9	04/01/2012	Dr. H V Lakshminarayana	Professor, Department Mechanical Engineering, DSCE, Bangalore
10	01/01/2012	Mr. Appaji Gowda B M	Manager, HAL
11	30/12/2012	Vithun S N	Scientist, CMTI, Bangalore
12	28/12/2012	Pavan Raj	Saffron International
13	20/12/2012	Ravindra K U	Robert BOSCH, India
14	18/11/2012	K T Umesh	BHEL, Bangalore
15	04/10/2011	Kumar K	Professor and Head, Department Mechanical Engineering, VVIT, Bangalore



16	03/09/2011	Suresh C S	Assistant Professor, Department Mechanical Engineering, BIT, Bangalore
17	01/09/2011	Dr Girish C	Professor, Department Mechanical Engineering, AMC College of Engineering

25. Seminars/Conferences/Workshops organized and the source of funding

- a) National: 06
b) International : Nil

Sl. No	Date	Nature of Programme	Designation and Address	Source of Funding
1	19th September 2014	Guest lecture	Dr. T. Krishna Rao , Principal, Alpha College Of Engineering	In house
2	18th October 2014	Seminar	Mr. Prasanna kiran, Asst. manager, Product development, BOSCH limited	In house
3	10th October 2013	Guest lecture	Dr. T. Krishna Rao, Principal SRSIT, Bangalore	In house
4	2nd and 3rd April 2014	Workshop	Auto next	In house
5	18th and 19th May 2012	National Conferences	Dr. N. Rudraiah INSA Sr. Scientist, Bangalore University Former Vice chancellor, Bangalore 560001	In house
6	10th and 11th Feb 2012	Training Programme	Kshipra simulations, Bangalore	In house

26. Student profile program / course wise:

Name of the program / Course	Academic year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B. E Mechanical	2015 – 16	-NA-	169	167	02	-
	2014 – 15		170	166	04	86.13
	2013 – 14		173	170	03	96
	2012 – 13		120	118	02	66.67
M. Tech Machine Design	2015 – 16		14	13	01	100
	2014 – 15		18	17	01	100
	2013 – 14		18	17	01	100
	2012 – 13		18	16	02	100
M. Tech Thermal	2015 – 16		00	00	00	-
	2014 – 15		09	08	01	-



27. Diversity of Students

Name of the Course (U.G)	% of students from the same state	% of students from other state	% of students from abroad
B. E 2015-16	91.11	7.77	-
B. E 2014-15	82.22	17.22	-
B. E 2013 -14	90.55	10.55	-
B. E 2012-13	91.66	13.33	-

Name of the Course (P.G)	% of students from the same state	% of students from other state	% of students from abroad
M.Tech 2015-16	77.77	-	-
M.Tech 2014-15	100	-	-
M.Tech 2013 -14	100	-	-
M.Tech 2012-13	100	-	-

Name of the Course (Ph.D)	% of students from the same state	% of students from other state	% of students from abroad
Ph.D 2015-16	100	-	-
Ph.D 2014-15	100	-	-
Ph.D 2013 -14	100	-	-
Ph.D 2012-13	100	-	-

28. How many students who have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services: 21

29. Student Progression

Student Progression	Against % enrolled
UG to PG	15%
PG to M. Phil	-
PG to Ph D	01%
Ph.D to Post-doctorate	-
Employed (Campus Placements)	52%
Employed (Other than Campus recruitment)	28%
Entrepreneurship / Self Employment	4%

30. Details of Infrastructural facilities



a. Library: Yes, number of books available in departmental library: 1125

b. Internet facilities for staff and students: Available (Bandwidth): 65 Mbps

c. Class room with ICT facility: 05

d. Laboratories: 17

31. Number of students receiving financial assistance from College, University, Government or other agencies: 455

32. Details on student enrichment programs (Special lectures /Workshops/Seminar) with external experts

Sl. No.	Date	Name of the activity	Resource person
1	05-03-2016	Workshop on Design of Machine Elements I	Dr. T Krishna Rao Head of the Department, Reva University
2	03-02-2016	Seminar on Soft skill training	Prof. Ananth Mentor, Quantech Origin Private Ltd
3	08-08-2015	Technical Training on C, Java	Prof. Srinivas Technical Trainer, Coherence Technology
4	03-06-2015	Workshop on Analysis of Camber link	Cidanand, CAD Trainer, Prosim Technology,
5	15-03-2014	Seminar on Analysis of aircraft Structures	Swamy, Swamy Design Solutions

33. Teaching methods adopted to improve student learning

The below mentioned methodologies are adopted to improve the process of teaching and learning.

- ❖ The primary teaching method adopted is lecturing with the aid of Green Board and chalk.
- ❖ Power Point Presentations using LCD projectors are widely used in theory classes and laboratories.
- ❖ We are motivating the student through E-learning resource like NPTEL Videos, Virtual Classroom, Virtual Labs and Spoken Tutorial.
- ❖ Special classes /tutorials for slow learners.
- ❖ Industrial exposure through 'Industrial visits and In plant training ' to various fields of Mechanical Engineering



- ❖ Training in various Softwares related to mechanical engineering is offered from our faculty and other outside agencies.
- ❖ Video presentations are amply used for various courses for better understanding of theoretical concepts.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sl. No.	Date	Activities	Students participated
1	15-08-2015	69 th Independence Day Celebrations	237
2	27/08/2014	Workshop on “Intellectual Property Rights” Mr. P R Dhanvantri and Mr. Sravan Kumar Gampa, Consultant and Senior Associate, KandS Partners.	128
3	01/10/2014	Ayudha Pooja Celebrations celebrated in all the offices and department of the College.	267
4	09/11/2014	Blood Donation camp, Eye, Dental and Health check up camp By- NSS Unit and Narayana Nethralaya and Naraina Sewa Trust	138

35. SWOC analysis of the department and Future plan

STRENGTHS

- ❖ Well Qualified and Experienced Faculty Members to guide the students
- ❖ Recognized as Research Department by Visvesvaraya Technological University
- ❖ 15 teachers are pursuing their research work for their Ph.D degree
- ❖ Good Infrastructure and well Equipped Laboratories with Internet Facilities
- ❖ Well coordinated team work in the Department
- ❖ Encouraging in-house projects for students
- ❖ Good Infrastructure like Library, Networked Computers, e-journals and Wi-Fi facility in the Campus
- ❖ Industry - Institute interaction and MOUs with industries
- ❖ Good staff retainability in the Department

WEAKNESSES

- ❖ Lack in Contribution to Consultancy Projects
- ❖ Need to strengthen Industry Institute Interaction
- ❖ Tracking of alumnis.



OPPORTUNITIES

- ❖ Organizing Symposium/Conferences and other activities to Enhance student's knowledge.
- ❖ Organizing Industrial Visits to the students to gain Practical Knowledge.
- ❖ New Teaching Methods in Multi-Disciplinary Professional Education.
- ❖ Utilising Research centre of the Department for pursuing Ph.D degree.
- ❖ Getting eminent faculty members
- ❖ Getting projects sanctioned from the Government
- ❖ Getting projects from industry

CHALLENGES

- ❖ Preparing the students to take up the Corporate World
- ❖ Encouraging the students to become Entrepreneurs.
- ❖ To develop the spirit of Innovation through research.
- ❖ To prepare the students with Professional and Employability Skills
- ❖ To instill confidence for slow learners through special coaching and motivation.

FUTURE PLAN

- ❖ Maximum Placement in the forthcoming years
- ❖ To have maximum interaction with industries.
- ❖ To encourage students and faculties for pursuing higher degrees.
- ❖ To obtain NBA

**Department of Electrical and Electronics Engineering**

- 1. Name of the Department** : Electrical and Electronics Engineering
- 2. Year of Establishment** : 2011
- 3. Names of Programmes / Courses offered:** UG: BE in Electrical and Electronics Engineering
- 4. Names of Interdisciplinary courses and the departments/units involved:**

Sl. No	Semester	Subject code	Name of the Subject	Dept. handling the subject
1	III	10MAT31	Engineering Mathematics-III	Basic Sciences and Humanities
2	III	MATDIP301	Advanced Mathematics-I	Basic Sciences and Humanities
3	IV	10MAT41	Engineering Mathematics-IV	Basic Sciences and Humanities
4	IV	MATDIP401	Advanced Mathematics-II	Basic Sciences and Humanities
5	VI	10EE661	Operation Research	Mechanical Engg

5. Annual/ Semester/ choice based credit system:

Semester system/CBCS from academic year 2015-16 (UG)

6. Participation of the department in the course offered by other department: NIL**7. Course in collaboration with other universities, industries, foreign institution etc:** NIL**8. Details of courses/ programs discontinued (if any) with reasons:** NIL**9. Number of teaching post:**

Designation	Sanctioned	Filled
Professors	1	1
Associate Professor	2	2
Assistant Professor	13	13

**10. Faculty profile with name, qualification, designation, specialization:**

Name	Qualification	Designation	Specialization	No of years of Experience	No. of Ph.D students guided for last 4 years
Prof. Srinivasa Murthy R V	BE, M.Tech, (Ph.D)	Asso. Prof and HOD	Power system Eng	29	NIL
Prof. Muruga Prasad	BE, M.Tech, (Ph.D)	Professor	Power Electronics	15	NIL
Mrs Chinmayi	BE, M.Tech, (Ph.D)	Asso. Prof	Power Electronics	11	NIL
Mrs Srilakshmi R	BE, M.Tech	Asst.Prof	Power system Eng	8	NIL
Mrs Shruthi B J	BE, M.Tech	Asst.Prof	Power Electronics	5	NIL
Ms Kruthika Priyadarshini	BE, M.Tech	Asst.Prof	Digital Electronics	3	NIL
Mrs Meghana Prasad	BE, M.Tech	Asst.Prof	Digital Electronics	3	NIL
Mrs Shwetha D	BE, M.Tech	Asst.Prof	Power Electronics	3	NIL
Mr Sridhara D G	BE, M.Tech	Asst.Prof	Computer application in Industrial drives	1	NIL
Mrs Akhila S	BE, M.Tech	Asst.Prof	VLSI Design and Embedded systems	1	NIL
Mr. Honnegowda	BE, M.Tech	Asst.Prof	Digital Electronics	1	NIL
Mr Prakyat	BE, M.Tech	Asst.Prof	Computer application in Industrial drives	2	NIL
Mrs Divya T S	BE, M.Tech	Asst.Prof	Computer application in Industrial drives	3	NIL
Mrs Allumella Naveena	BE, M.Tech	Asst.Prof	Power system Eng	9	NIL
Mr Deena Dayal V R	BE, M.Tech	Asst.Prof	Power Electronnics	3	NIL
Mrs Anusha	BE, M.Tech	Asst.Prof	Power Electronnics	4	NIL

11. List of senior visitingfaculty:

Sl. No.	Name of the visiting faculty
1	V Keshava Murthy



12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student- Teacher Ratio (programme wise): UG- 1:15

14. Number of academic support staff (technical) and administrative staff sanctioned and filled:

	Sanctioned	Filled
Technical staff	6	6
Administrative staff	3	3

15. Qualification of teaching faculty with DSc/D.litt/Ph.D/Mphil/PG:

Ph.D: 01

PG: 15

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST- FIST; UGC, DBT, ICSSR etc. and total grants received: CSIR, KSCST: NIL

18. Research centre/ facility recognized by the university: NIL

19. Publications:

❖ Publication per faculty: 2

❖ No. of papers published in peer reviewed journal(national and international) by faculty and students : 55

❖ No. of publications listed in international database(For Eg: Web of science, Scopus, humanities International Complete, Dare Database-International social sciences Directory, EBSCO host etc.): 2

❖ Monograph: NIL

❖ Chapter in books edited: NIL

❖ Books edited: NIL

❖ Books with ISBN/ISSN number with details of publisher:2

❖ citation index: 1-12

❖ SNIP: NIL

❖ SJR: NIL

❖ **Impact factor:** 1-4❖ **H-Index:** NIL**20. Areas of consultancy and income generated:** NIL**21. Faculty as members in National Committees, International Committees, Editorial Boards:** NIL**22. Student Projects: Percentage of students who have done in-house projects including inter departmental/ programme and organizations outside the institution i.e., in research laboratories/ industry/ other agencies:**

a) Percentage of students who have done in-house projects including inter departmental/ programme: 80%

b) Percentage of students who organizations outside the institution i.e., in research laboratories/ industry/ other agencies:

23. Awards/Recognitions received by faculty and students:

Sl.No	Name	Faculty/ Student	Subject/ Area	Nature of Recognition
1	Mrs Srilakshmi R	Faculty	Power Systems	Best paper award
2	Geethanjali	Student	Power Electronics	Encouragement Award

24. List of eminent academicians and scientists/ visitors to the department:

Sl no	Date	Name	Designation and address
1	29/4/2015	Prof. V Keshavamurthy	Prof. Dr AIT, Bangalore-56
2	30/9/2015	Mr. Nagaraj .S. Rao	Director, Sourish Automations, Bangalore.

25. Seminars/ Conferences/ Workshops organized and the source of funding a) National**b) International****a) National**

Sl No	Date	Nature of the Programme	Source of Funding
1	30th Sept- 1st Oct 2015	Workshop on "PLC and Its Applications"	Institution



b) **International:** NIL

26. Student profile programme/ course wise:

Name of the course/ programme	Academic year	Application Received	Selected	Enrolled		Pass Percentage
				*M	*F	
BE	2015-2016	NA	60	36	27	-
	2014-2015		51	23	31	52%
	2013-2014		44	34	12	48%
	2012-2013		48	38	13	56%

27. Diversity of Students:

Name of the course	% of students from the same state	% of students from other state	% of students from abroad
BE(2015-2016)			1
BE(2014-2015)	62	1	-
BE(2013-2014)	49	5	-
BE(2012-2013)	45	2	-
BE(2011-2012)	48	3	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.? NIL

29. Student Progression:

Student Progression	Against% Enrolled
UG to PG	20%
PG to M.Phil.	NIL
PG to PhD,	NIL
PhD to post-Doctoral	NIL
Employed	45 %
1.Campus selection	35%
2.other than campus recruitment	
Entrepreneurship/ Self- employment	NIL

30. Details of Infrastructural facilities:

- a) **Library:** YES
Total number of books available: 294
- b) **Internet facility for staff and Students:** YES (65Mbps)
- c) **Class rooms with ICT facility:** 2 audio visual class room



d) Laboratories: 11

31. Number of students receiving financial assistance from college, university, Government or other agencies: 94

32. Details on student enrichment programmes (special lectures/ workshops/seminar) with external experts:

Sl No	Date	Name of the activity	Resource person
1	30th Sept- 1st Oct 2015	Workshop on " PLC and Its Applications"	Mr. Nagaraj S Rao
2	5/5/2014	Seminar on PLC and SCADA	Mr. Prakash

33. Teaching methods adopted to improve student learning

- ❖ Lecturing with assistance of Green Board and chalk. It is the primary teaching method adopted.
- ❖ Power point presentation using LCD projectors are amply used
- ❖ Remedial classes and additional make-up tests to help academically weaker students
- ❖ Mentoring system to help at individual levels.
- ❖ We are motivating the students through E- Learning like NPTEL videos, Spoken tutorials.
- ❖ Industrial exposure through ' Industrial visits and in plant training' to various fields of Electrical and Electronics Engineering.

34. Participation in Institutional social Responsibility (ISR) and Extension activities:

The following events are organized through NSS, YRC and other club activities

Sl.No.	Date	Activity	No. of Students participated
1	26/01/2016	Republic day celebration	36
2	5/3/2016	Eye Check – up camp	42
3	26/01/2015	Republic day celebration	48
4	11/4/2015	Health awareness Programme	56
5	6/6/2015	Awareness programme on Environment	62
6	27/06/2015 To 04/07/2015	Mass tree Plantation	32
7	15 /08/2015	Independence day celebration	62
8	19/09/2015	Engineer’s day celebration	72
9	2/10/2015	Gandhi Jayanthi Celebration	53
10	7/11/2015	Kannada Rajyotsava Celebration	68
11	26/01/2014	Republic day celebration	42



12	15/03/2014	World Women's Day celebration	62
13	12/4/2014	Health Day Celebration	55
14	31/05/2014 to 7/06/2014	Van Mahotsava Week	60
15	15 /08/2014	Independence day celebration	67
16	5/9/2014	Teacher's day celebration	44
17	2/10/2014	Gandhi Jayanthi Celebration	40
18	10/12/2014	Awareness programme on Human Rights	44
19	26/01/2015	Republic day celebration	35

35. SWOC analysis of the department and future plans:**STRENGTH**

- ❖ Dedicated and experienced faculty members
- ❖ University rank holder
- ❖ Excellent academic records in the past years.
- ❖ Organizing seminars, workshops, and conferences periodically.
- ❖ Student participation in club activities, inter college competitions etc.

WEAKNESS

- ❖ Yet to open R and D facility
- ❖ Most of students are from rural background lacking in communication
- ❖ Industrial related training for the faculty is limited
- ❖ Consultancy work needs to be started.

OPPURTUNITIES

- ❖ Adequate industry institute interaction for the benefit of the students
- ❖ Possibility of flexible curriculum
- ❖ Innovation in teaching learning process

CHALLENGES

- ❖ To train students from rural area.
- ❖ To compete with other reputed institutions
- ❖ To meet out the recent industrial needs and technologies



FUTURE PLANS

- ❖ To go for post graduation course in EEE department
- ❖ To setup R and D facility
- ❖ To increase industry institution interaction.
- ❖ To obtain university ranks



Department of Master of Computer Applications

1. **Name of the department:** Master of Computer Applications
2. **Year of Establishment:** PG-2008-2009
3. **Names of Programmes / Courses:** PG-Master of Computer Applications
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):** Semester
6. **Participation of the department in the courses offered by other departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts**

	Sanctioned	Filled
Professors	02	01
Associate Professors	06	04
Asst. Professors	16	12

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D/M.Phil. etc.,)**

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students guided for the last 4 years
1.	Dr.A Rajeswari	Msc.PhD	Prof. and HOD	Mathematics	11	3
2.	Mrs. Sharada K A	B.E., M.Tech., (Ph.D)	Assoc.Prof	Computer science	12	Nil
3.	Mrs. Revathi R	MCA	Assoc.Prof	Computer Applications	10	Nil
4.	Mrs.Nagalambika. S	MCA	Assoc.Prof	Computer Applications	7	Nil
5.	Mr. Praveen k s	MCA	Assoc.Prof	Computer Applications	6	Nil



6.	Mrs. Nagaveni	BE. MTech	Asst.Prof	Computer science	6	Nil
7.	Mr. Shailesh Prasad	MCA	Asst.Prof	Computer Applications	6	Nil
8.	Mrs. Lakshmi reddy S.	MCA	Asst.Prof	Computer Applications	1	Nil
9.	Mrs. Mrudula A. Mittal	MCA	Asst.Prof	Computer Applications	3	Nil
10.	Mr. Kaalidoss	MCA	Asst.Prof	Computer Applications	5	Nil
11.	Mrs. Suneetha L	MCA	Asst.Prof	Computer Applications	4	Nil
12.	Mrs. Vidya S	MCA	Asst.Prof	Computer Applications	5	Nil
13.	Ms. Shilpa C	MCA	Asst.Prof	Computer Applications	5	Nil
14.	Mrs. Anitha N	MCA	Asst.Prof	Computer Applications	6	Nil
15.	Mrs. C S L Madhavi	MCA	Asst.Prof	Computer Applications	6	Nil
16.	Mr Srinivasan M	MCA	Asst.Prof	Computer Applications	3	Nil
17.	Mrs. Manjula Biradar	MCA	Asst.Prof	Computer Applications	3	Nil

11. **List of senior visiting faculty:** Nil

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Nil

13. **Student -Teacher Ratio (programme wise):** 15:1

14. **Number of academic support staff (technical) and administrative staff, sanctioned and filled:**

	Sanctioned	Filled
Technical Staff	1	1
Administrative Staff	2	2

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:**

Ph.D.: 01

PG: 16

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received** Nil

17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil



18. **Research Centre /facility recognized by the University:** Nil

19. **Publications:**

a) **Publication per faculty:** 01

- ❖ **Number of paper published in peer reviewed (national and International) by faculty and students:** 18
- ❖ **Number of publications listed in international database (For Eg:Web of science, Scopus, humanities International complete, Dare Database-International social science Directory, EBSCO host, etc.):** 03
- ❖ **Monographs:** Nil
- ❖ **Chapter in Books:** Nil
- ❖ **Books with ISBN/ISSN number with details of Publishers :** Nil
- ❖ **Citation index:** 1-10
- ❖ **SNIP:** Nil
- ❖ **SJR:** Nil
- ❖ **Impact factor:** 0-3
- ❖ **H-index:** Nil

20. **Areas of consultancy and income generated:** Nil

21. **Faculty as members in a) National committees b) International Committees c) Editorial Board:** Nil

22. **Student projects**

a) **Percentage of students who have done in-house projects including interdepartmental /Programme:** Nil

b) **Percentage of students placed for projects in organizations outside the institution i.e., in Industry/Other Agency:** 100%

23. **Awards / Recognitions received by faculty and students:**

SL.No	Name	Faculty/Student	Subject/Area	Nature Of Recognition
1	Mrs.Nagalambika S	Faculty	OOPS, OOMD	100% result in 2nd and 5th sem-2015
2	Mr.Praveen K.S	Faculty	DOTNET,OOMD, UNIX,	100% result in 1st and 5th sem-2015



3	Ms. Pavathri C.L	Student	Net Ball (VTU)	1st prize
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24. List of eminent academicians and scientists / visitors to the department:

Sl.no	Date	Name	Designation and Address
1	02/04/2016	Mr.Sudarshan	Sr.S/w.Engg Mindset IT Pvt ltd
2	2/11/2015	Mr. Prashanth K. S	Sr. Validation Testv Engg Quimtiles Pvt ltd
3	20/10/2015	Prof. Vishwanath	Professor RNSIT, Bangalore
4	06/10/2015	Ms.Bhagya	S/w.Engg Attra InfoTech pvt ltd
5	16/08/2015	Dr.Vijayakumar	Assoc.Prof BMSCE,Bangalore
6	13/5/2015	Mr.Basavaraj Mathapati	Project Manager eRevMax Pvt ltd
7	13/4/2015	Prof. Madhu H.K	Professor BIT,Bangalore
8	13/3/2013	Mr. Prakash k	Software Engg IONESIS Solution
9	3/08/2011-6/8/2011	Mr. Yogesh IBM	Crane Soft Pvt Ltd

25. Seminars/ Conferences/Workshops organized and the source of funding:

a) National: Nil

b) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme	Academic year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
MCA	2015-2016	NA	03	03	00	35
MCA	2014-2015		47	23	24	51
MCA	2013-2014		20	7	13	95
MCA	2012-2013		25	15	10	96

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
MCA(2015-2016)	1	2	Nil
MCA(2014-2015)	42	5	Nil
MCA(2013-2014)	17	3	Nil



MCA(2012-2013)	25	0	Nil
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28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?:** 10

29. **Student progression:**

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	10% 89.5%
Entrepreneurship/Self-employment	0.5%

30. **Details of Infrastructural facilities**

- a) **Library:** Yes
 - i. **Total number books available:** 337
- b) **Internet facilities for Staff and Students:** Yes (65mbps)
- c) **Class rooms with ICT:** yes (one)
- d) **Laboratories:** 16

31. **Number of students receiving financial assistance from college, university, Government or other agencies:** 116

32. **Details on student enrichment programmes (special lectures /workshops/ Seminar) with external experts:** Yes

Sl. No	Date	Name of Activity	Resource person
1	02/04/2016	Data Mining (Seminar)	Mr Sudarshan Sr.S/w.Engg Mindset IT Pvt Ltd
2	2/11/2015	Automation Testing	Mr. Prashanth K. S Sr. Validation Test EnggQuintiles Pvt ltd
3	6/10/2015	Network Simulation	Ms Bhagy Soft Engg Attra Infotech Pvt Ltd
4	6/8/2015	Seminar of Research Methodologies	Dr. Vijaykumar Assoc.Prof Dept. MCA BMSCE



5	20/10/2015	Cloud Computing	Prof. Vishwanath, RNS IT
6	13/5/2015	Computer Networks (Seminar)	Mr. Basavaraj Mathapati Project Manager ErevMax Pvt Ltd
7	13/04/2015	DotNet	Prof. Madhu h.k BIT Bangalore
8	13/03/2013	“Inter integration Application using Android” (Workshop)	Mr. Prakash k IONESIS Solution
9	3/08/2011- 6/08/2011-	OOAD using UML and IBM Rational software architecture (Workshop)	Mr Yogesh Crane Pvt Ltd(IBM)

33. Teaching methods adopted to improve student learning:

- ❖ Open source and online tutorials
- ❖ NPTEL videos and power point presentations
- ❖ Group analysis lecturing with assistance of Green Board and chalk. It is the primary teaching method adopted.
- ❖ Remedial classes and additional make-up tests to help academically weaker students
- ❖ Class tests are conducted before every internal tests for all the students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The following events are organized through NSS, YRC and other club activities:

Yes

Sl.No	Date	Activity	No of students participated
1	25/02/2016	Blood donation and Health checkup	15
2	26/01/2015	Campus cleaning	19

35. SWOC analysis of the department and Future plans:

Strength

- ❖ Dedicated and experienced faculty members
- ❖ Excellent academic records in the past years
- ❖ Organizing seminars, workshops, and conferences periodically
- ❖ Accredited by INFOSYS for better placement
- ❖ Good infrastructure and well equipped laboratories with internet facilities

Weakness

- ❖ Most of students are from rural background lacking in communication



- ❖ Industrial related training for the faculty and student is limited
- ❖ Consultancy work needs to be started

Opportunities

- ❖ Knowledge updation for faculty members by participating conferences
- ❖ Funding from Govt. and other organization
- ❖ Organizing Industrial Visits to the students to gain Practical Knowledge.

Challenges

- ❖ To train students from rural area
- ❖ To compete with other reputed institutions
- ❖ To meet out the recent industrial needs and technologies
- ❖ To prepare the students with professional and employability skills
- ❖ Motivating the students to gain confidence in soft skills

Future plan

- ❖ To setup RandD facility
- ❖ Making Awareness on Quality in Engineering
- ❖ To achieve autonomous status for the Institution



Department of Master of Business Administration

- Name of the Department :** Master of Business Administration
- Year of Establishment :** PG: 2004-05
Research Centre: 2012-13
- Names of Programmes / Courses offered:**
PG: Master of Business Administration
Ph.D: Business Administration
- Name of the interdisciplinary courses and the departments/units involved:** Nil
- Annual / semester / choice based credit system (programme wise):** Semester system
- Participation of the department in the courses offered by other departments:** Nil
- Courses in collaboration with other universities, industries, foreign institutions, etc :**
Nil
- Details of courses / programmes discontinued (if any) with reasons :** Nil
- Number of Teaching posts:**

	Sanctioned	Filled
Professors	2	2
Associate Professors	4	4
Assistant Professors	10	10

- Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D/M.Phil. etc.,)**

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students guided for the last 4 years
1.	Dr.R.Chandra Moorthy	B.Sc., LL.B., PGDHRD, CAIIB-I, M.B.A., Ph.D	Professor	Finance	35	-
2.	Dr.N.S.Nagesha Roa N S	BE,MBA(P GDFM), M.Phil.,	Professor	Operation Manage	36	-



		Ph.D		ment		
3.	Dr. Raghavendra. B. N	BA,MBA., Ph.D	Associate Professor	Finance	7	-
4.	Mr. Prathap.B.N	B.Com, MBA, M.Com, SLET.,(Ph.D)	Associate Professor & Head	Finance	6	-
5.	Mrs. Nethravathi. N	BBM, MBA., M.Phil (Ph.D)	Associate Professor	HR	6	-
6.	Mr.Sharma K.R.S	B.Com, MBA., M.Com., PGDFT	Associate Professor	Finance	6	-
7.	Mrs. Sushma.J	BCA, MBA	Assistant Professor	Finance and Marketing	6	-
8.	Mr.Pavan Kumar.P.V	BBM, MBA	Assistant Professor	Marketing	5	-
9.	Ms. Divya H N	BBM, MBA	Assistant Professor	Finance	4	-
10.	Ms. Pavithra.B	B.Com, MBA	Assistant Professor	Finance	1	-
11.	Mr. Abhilash	B.Sc, MBA	Assistant Professor	Marketing	5	-
12.	Ms. Sowmya.B	BBM, MBA	Assistant Professor	HR	3	-
13.	Mrs. Shashikala	BBM, MBA	Assistant Professor	HR	7	-
14.	Mrs. Sandhya T S	BBM, MBA	Assistant Professor	Finance	6	-
15.	Mr. S K Suman	BE, MBA	Assistant Professor	Marketing	9	-
16.	Mr. Diwakar K C	BE, MBA	Assistant Professor	HR	6	-

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : Nil

13. Student – Teacher Ratio (Programme wise): 15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:



	Sanctioned	Filled
Technical Staff	-	1
Administrative Staff	-	1

15. Qualification of teaching faculty with Dsc/D.Litt/Ph.D/MPhil/PG

Ph.D : 03

M.Phil : 01

PG : 12

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil**17. Department projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil****18. Research Center/facility recognized by the University:**

Department of MBA has been recognized as Research Center by VTU
(VTU/Aca/2012-13/A-5/3684) (Dated: 26 July 2012)

19. Publications:

- ❖ **Publication per faculty: 02**
- ❖ **Number of papers published in peer reviewed journals (national/ International) by faculty and students: 19**
- ❖ **Number of publications listed in international database(For Eg: Web of Science, Scopus, humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.): 5**
- ❖ **Monographs: Nil**
- ❖ **Chapters in Books: Nil**
- ❖ **Books Edited: Nil**
- ❖ **Books with ISBN/ISSN numbers with details of publishers : 02**
- ❖ **Citation Index: 0-13**
- ❖ **SNIP: Nil**
- ❖ **SJR: Nil**
- ❖ **Impact factor:1-4**
- ❖ **h-index: Nil**

20. Areas of consultancy and income generated: Nil



21. Faculty as members in a) National Committee, international Committee, editorial boards:

a) National Committee: Nil

b) International Committee: Nil

c) Editorial Board: 01

22. Student Projects

Percentage of students who have done in-house projects including interdepartmental /Programme : NIL

Percentage of students placed for projects in organizations outside the institution i.e., in Industry/Other Agency :100%

23. Awards / Recognitions received by faculty and students

S. No.	Name	Faculty / Student	Subject / Area	Nature of Recognition
1	Prathap B N	Faculty	Finance	Best Paper Award
2	Prathap B N	Faculty	Financial Management & Accounting for Managers	100% result in 2nd & 1st Semester
3	Sharma K R S	Faculty	Business Government of Society	100% result in 2nd Semester
4	Nethravathi N	Faculty	Entrepreneurial Development	100% result in 2nd Semester
5	Sushma J	Faculty	Research Methodology	100% result in 2nd Semester
6	Pavan Kumar M	Faculty	Human Resource Management	100% result in 2nd Semester
7	Divya H N	Faculty	Strategic Management	100% result in 2nd Semester
8	Vikram and team	Student	Cultural	3rd Prize

24. List of academicians and scientists/visitors to the department

Sl.No	Date	Name	Designation and Address
1	16/04/2016	Dr. Mahesh K	Professor, Dept of MBA, BIT, Bangalore
2	25/02/2016	Dr. John Manohar S	Prof, Dept of MBA, BMS College of Engineering
3	25/02/2016	Dr. S Manohoran	Associate Prof, Dept of MBA,



			BMS College of Engineering
4	09/10/2015	Mr. Prakash Patel	Sr. Manager, HRM, SVC Bank Ltd.,
5	29/09/2015	Mr. Prakash Rao Jothady	Financial Education Trainer SEBI ,Bangalore
6	23/02/2015	Mr. Kishore	Stock Market Institute , Bangalore
7	14/10/2014	Dr. R L Nandeshwar	Director, Management Studies, OCBM, Bangalore
8	29/03/14	Prof. Vidyaprasad	Communication Expert, Bangalore
9	13/02/2014 to 08/04/2014	Prof. Ramesh	EDII, Bangalore
10	10/02/2014	Dr. Nandeesh V. Hiremath	Prof. and Dean, (IBMR-IBS) Bangalore
11	15/02/2014	Prof., Jayasimha,	HR Trainer and Motivational Speaker , Bangalore

25. Seminars/ Conferences/ Workshops organized and the source of funding

a) National

S. No.	Date	Nature of the Programme	Source of Funding
1	30 th May 2013	National Conference on Emerging Trends in Management (EMTRIMA)s	In House

b) International: Nil

26. Student profile programme/course wise:

Name of the course/ programme	Academic Year	Applications Received	Selected	Enrolled		Pass Percentage
				*M	*F	
MBA	2015-16	NA	60	43	16	-
MBA	2014-15		44	33	12	96%
MBA	2013-14		27	13	14	94%
MBA	2012-13		76	43	33	91%

27. Diversity of Students

Name of the programme /course	% of Students from the same state	% of Students from other states	% of students from abroad
MBA (2015-16)	99	1	-



MBA (2014-15)	100	-	-
MBA (2013-14)	99	1	-
MBA (2012-13)	99	1	-

28. **How many students have cleared national and state competitive examination such as NET, SLET, GATE, Civil services, Defense, etc.? : 10**

29. **Student progression**

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed ❖ Campus selection ❖ Other than campus recruitment	10% 87%
Entrepreneurship/Self-employment	3%

30. **Details of Infrastructural facilities**

- Library: Yes,
- Total number of Books available: 378
- Internet facilities for Staff and Students: Yes (65 MBPS)
- Class rooms with ICT: 3 Audio visual class rooms
- Laboratories: 01

31. **Number of students receiving financial assistance from college, university, government or other agencies: 112**

32. **Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:**

Sl. No.	Date	Name of the activity	Resource Person
1	25.02.2016	Faculty Development Program	Dr.S. John Manohar Dr.Manoharan, BMS College of engineering
2	30.03.2016	Social Awareness Program	Prathap B NHOD Dept of



		(SAP-2016)	MBA
3	29/09/2015	Workshop on “Financial Education for Young Investors” — Jopintly Organized by SEBI and Dept, of MBA	Mr. Prakash Rao Jothady Financial Education Trainer,SEBI
4	07/10/2015	Inauguration and Orientation Day for MBA 2015-16 Batch Students	Prof., Jayasimha, HR Trainer
5	09/10/2015	Seminar on “Recent Trends in Banking”	Mr. Prakash Patel Sr. Manager, HRM, SVC Bank Ltd.,
6	19/10/2015	Entrepreneurs Day 2015	Prathap B N HOD Dept of MBA
7	27/01/2014	Inaugural and Orientation programme of first semester PG classes for 2013-14 batch	Dr. Kumar K Manager, Infosys Technologies Ltd., Dr. Nandeesh V. Hiremath Professor and Dean, (IBMR-IBS)
8	10/02/2014	Guest Lecture on “Opportunities for MBA Students”	Dr. Nandeesh V. Hiremath, Prof. and Dean, (IBMR-IBS)
9	15/02/2014	Workshop on “Mind your Mind.”	Prof., Jayasimha, HR Trainer
10	08/03/2014	MBA ALUMNI MEET 2014	Dr. Nandeesh V. Hiremath, Prof. and Dean, (IBMR-IBS)
11	29/03/14	One day Workshop on “Communication Assessment”	Prof. Vidyaprasad, Communication Expert
12	13/02/2014 to 08/04/2014	EDI 30 hrs Certificate programme From—Entrepreneurship Development Institute of India (EDII)	Prof. Ramesh, EDII, Bangalore
13	10/02/2014	Guest Lecture on “Opportunities for MBA Students”	Dr. Nandeesh V. Hiremath, Prof. and Dean, (IBMR-IBS)
14	15/02/2014	Workshop on “Mind * your Mind.”	Prof., Jayasimha, HR Trainer
15	08/03/2014	MBA ALUMNI MEET 2014	Dr. Nandeesh V. Hiremath, Prof. and Dean, (IBMR-IBS)
16	29/03/14	One day Workshop on “Communication Assessment”	Prof. Vidyaprasad, Communication Expert
17	13/02/2014 to 08/04/2014	EDI 30 hrs Certificate programme From—Entrepreneurship Development Institute of India (EDII)	Prof. Ramesh, EDII, Bangalore

33. Teaching methods adopted to improve student learning:

- ❖ Case Study
- ❖ Video lectures
- ❖ Mock Trading sessions



- ❖ Role plays
- ❖ Group discussions

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Yes

Sl.No	Date	Activity	No. of Students Participated
1	30/302016	Social Awearness Program	55
2	25/02/2016	Blood donationand Health checkup	15
3	26/01/2015	Campus cleaning	19

35. SWOC analysis of the department and Future plans:

Strengths

- ❖ Grooming students as per the needs of the societal demands
- ❖ Department is permanently affiliated to VTU
- ❖ Recognized as research centre by VTU
- ❖ Inclusion of Value Added Course based on Changing Scenario

Weakness

- ❖ Poor communication skills Background of the students
- ❖ Lack of Funding Projects
- ❖ Improvisation required in Consultancy

Opportunities

- ❖ Potential in Job Market for Management Graduates due to Growth in services sector, Growth in banking sector, and opportunities in International Openings.
- ❖ Knowledge updation for faculty and students by participating in conferences and events
- ❖ Upgrading the Research center to center of excellence
- ❖ Funding from Govt. and other Organization

Challenges

- ❖ Demand of Corporate and its frequent changes
- ❖ To compete with autonomous institutions and private university
- ❖ Increasing Complexities in Organizations
- ❖ Interdisciplinary Knowledge



Future Plan

- ❖ To Achieve a height of World Class Business School for Management Education
- ❖ To Enlighten the students views towards Entrepreneurial Success
- ❖ Upgrading the Research center to center o excellence
- ❖ To ensure the students placement in high profile Jobs
- ❖ Motivating the students to gain confidence in Soft and Communication Skill



SUBRAMANYA EDUCATION SOCIETY (R.)
EAST WEST INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belgaum, Approved by AICTE,
New Delhi & Recognized by Govt. of Karnataka)

63, Off. Magadi Road, Vishwaneedam Post, Bangalore - 560 091.

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ISO 9001-2000
Reg. No.: RQ91/4670

Ref. No. EWIT/NAAC/2015-16/141

16-06-2016

Declaration by the Head of the Institution

I certify the data included in this Self-Study Report (SSR) is true to the best of my knowledge.
This SSR is prepared by the Institution after internal discussions, and no part thereof has been outsourced.
I am aware that the peer team will validate the information provided in this SSR during the peer team visit.


Signature

16.6.16

Head of the Institution with seal

Principal & Director
East West Institute of Technology
Bangalore-560 091

Place: Bengaluru

Date: 16-06-2016



AICTE Approval Letter



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. South-West/1-2811889235/2016/EOA

Date: 05-Apr-2016

To,

The Prindpal Secretary (Hr. & Tech Education)
Govt. of Kamataka, K. G.S., 6th Floor,
M.S. Building, R. N. 645, Dr. B. R. Ambedkar Road,
Bangalore-560001

Sub: Extension of approval for the academic year 2016-17

Ref: Application of the Institution for Extension of approval for the academic year 2016-17

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	South-West	Application Id	1-2811889235
Name of the Institute	EAST WEST INSTITUTE OF TECHNOLOGY	Permanent Id	1-10683951
Name of the Society/Trust	SUBRAMANYA EDUCATION SOCIETY (R)	Institute Address	SY. NO.63, OFF MAGADI MAIN ROAD, VISHWANEEDAM POST, BANGALORE, BANGALORE URBAN, Kamataka, 560091
Institute Type	Unaided - Private	Society/Trust Address	SY. NO.63, OFF MAGADI ROAD, VISHWANEEDAM POST, BANGALORE - 91, BANGALORE CITY, BANGALORE URBAN, Kamataka, 560091

Opted for change from Women to Co-ed and Vice versa	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved and Vice versa	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the Intake indicated below for the academic year 2016-17

Application Id: 1-2811889235			Course	Full/Part Time	Affiliating Body	Intake 2015-16	Intake Approved for 2016-17	NETI Approval status	PKO / FN / Gulf quotas Approval status	Foreign Collaboration/Twinning Program Approval status
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER NETWORKING AND ENGINEERING	FULL TIME	Vesveswaralah Technological University, Belgaum	18	18	NA	NA	NA

Application Number: 1-2811889235
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All India Council for Technical Education
 (A Statutory body under Ministry of HRD, Govt. of India)
 7th Floor, Chandralok Building, Janpath, New Delhi-110 001
 PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Vivekanandha Technological University, Belgaum	34	34	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	DIGITAL ELECTRONICS	FULL TIME	Vivekanandha Technological University, Belgaum	30	30	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	GEOTECHNICAL ENGINEERING	FULL TIME	Vivekanandha Technological University, Belgaum	10	10	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Vivekanandha Technological University, Belgaum	10	10	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	MACHINE DESIGN	FULL TIME	Vivekanandha Technological University, Belgaum	10	10	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	STRUCTURAL ENGINEERING	FULL TIME	Vivekanandha Technological University, Belgaum	10	10	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	THERMAL POWER ENGINEERING	FULL TIME	Vivekanandha Technological University, Belgaum	10	10	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Vivekanandha Technological University, Belgaum	100	100	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Vivekanandha Technological University, Belgaum	100	100	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Vivekanandha Technological University, Belgaum	60	60	NA	NA	NA

Application Number: 1-2011080205

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7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
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ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Veereswariah Technological University, Belgaum	100	100	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	INFORMATION SCIENCE AND ENGINEERING	FULL TIME	Veereswariah Technological University, Belgaum	100	100	NA	NA	NA
ENGINEERING AND TECHNOLOGY	1st Shift	UNDERGRADUATE	MECHANICAL ENGINEERING	FULL TIME	Veereswariah Technological University, Belgaum	100	100	NA	NA	NA
MANAGEMENT	1st Shift	POSTGRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Veereswariah Technological University, Belgaum	100	100	NA	NA	NA
MCA	1st Shift	POSTGRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Veereswariah Technological University, Belgaum	100	100	NA	NA	NA

The above mentioned approval is subject to the condition that EAST WEST INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Note: Validity of the course details may be verified at www.aicte-india.org

Dr. Avinash S Pant
Vice - Chairman, AICTE

Copy to:
1. The Regional Officer,
All India Council for Technical Education
Health Centre Building
Bangalore University Campus
Bangalore - 560 009, Karnataka

Application Number: 1-2011500205
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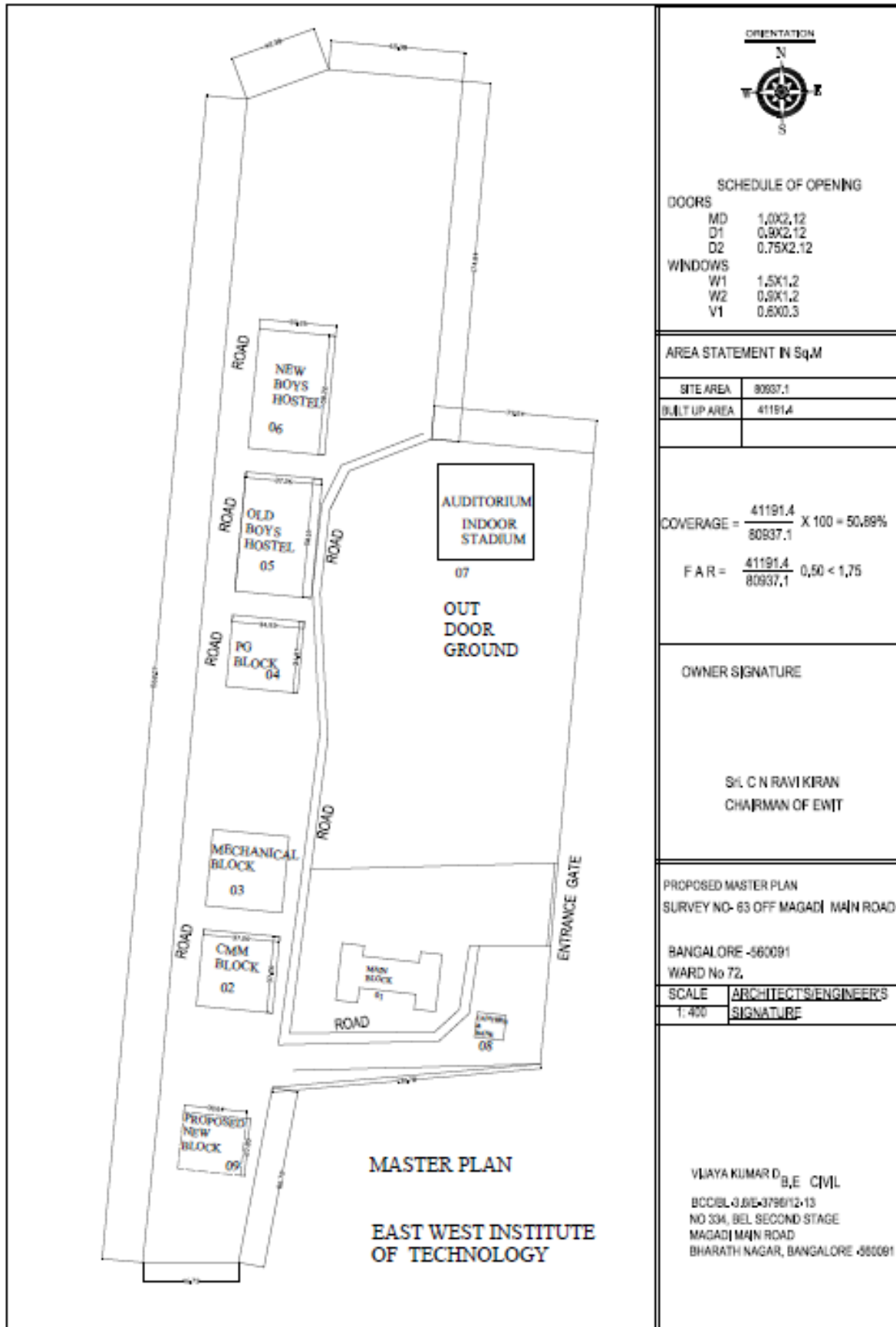
All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Jorpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

2. The Director Of Technical Education,
Karnataka
3. The Registrar,
Vivekananda Technological University, Belgaum
4. The Principal / Director,
EAST WEST INSTITUTE OF TECHNOLOGY
SY. NO.63, OFF MAGADI MAIN ROAD, VISHWANEDAM POST,
BANGALORE,BANGALORE URBAN,
Karnataka,580001
5. The Secretary / Chairman,
SUBRAMANYA EDUCATION SOCIETY (R)
SY. NO.63, OFF MAGADI ROAD, VISHWANEDAM POST, BANGALORE - 91,
BANGALORE CITY,BANGALORE URBAN,
Karnataka,580001
6. Guard File(AICTE)



MASTER PLAN OF THE CAMPUS



SCHEDULE OF OPENING

DOORS	
MD	1.0X2.12
D1	0.9X2.12
D2	0.75X2.12
WINDOWS	
W1	1.5X1.2
W2	0.9X1.2
V1	0.6X0.3

AREA STATEMENT IN Sq.M

SITE AREA	80937.1
BUILT UP AREA	41191.4

$COVERAGE = \frac{41191.4}{80937.1} \times 100 = 50.89\%$
 $F.A.R = \frac{41191.4}{80937.1} = 0.50 < 1.75$

OWNER SIGNATURE

Srl. C N RAVI KIRAN
CHARMAN OF EWIT

PROPOSED MASTER PLAN
 SURVEY NO- 63 OFF MAGADI MAIN ROAD
 BANGALORE -560091
 WARD No 72.

SCALE	ARCHITECTS/ENGINEERS
1:400	SIGNATURE

VIJAYA KUMAR D., B.E. CIVIL
 BCCBL 3, B/E-3796/12-13
 NO 334, BEL SECOND STAGE
 MAGADI MAIN ROAD
 BHARATH NAGAR, BANGALORE -560091

MASTER PLAN
 EAST WEST INSTITUTE
 OF TECHNOLOGY



LIBRARY PLAN

