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# ANNUAL REPORT ≡ 2018-19

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**Technical Education Quality Improvement Program – Phase III  
(TEQIP – III)**

**MALNAD COLLEGE OF ENGINEERING**  
Salagame Road, Hassan, Karnataka - 573202

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## 1. Institute's basic information

Malnad College of Engineering established in the year 1960, during the second 5 year plan, as a joint venture of Government of India, Government of Karnataka and the Malnad Technical Education Society, Hassan. The Malnad College of engineering is now a reputed Engineering college in the country. The college has earned "ISTE Award" as one of the Best Engineering Colleges in the Country, in the year 2007.

Located midway, (13°N and 76.5°E, altitude 943 mtrs.) between Bangalore (180 kms) and Mangalore (170 kms) on NH-75, Hassan, a District Head Quarters, having a steady temperate climate throughout the year, enjoys an annual rainfall of about 900 mm. World famous temples of Belur, Halebidu and Sravanabelagola, and the Master Control Facility for INSAT Satellites are located in Hassan District. The College is built on a 41.28 acres campus and has all the facilities expected in a modern Engineering College.

College was under Mysore University till 1997 and under Visvesvaraya Technological University (VTU) till the year 2007 after which the college obtained autonomy under VTU. Presently the college has the autonomy status till 2021-22.

The college offers 9 B.E, 4 M.Tech and Ph.D. program in all the discipline along with basic sciences department and has about 4000 students on rolls. There are more than 160 dedicated and highly qualified faculty members. The college is one of the few Engineering Colleges in the country recognized for Technical Education Quality Improvement Programme (TEQIP) sponsored by MHRD, Govt. of India and the World Bank. All the UG program are NBA accredited under Tier – 1 institution. The Placement & Training centre in the college trains and assists the students in securing employment in reputed companies like Tata Consultancy, Infosys, Wipro, L&T, BEL, Fichtner, Builders' Association of India etc., through campus recruitment programme. The college have a strong alumni base of more than 27,000 people spread across the globe.

The college have dedicated center for Innovations and Start-up cell called ME-RIISE which engages in Engaged in conducting technical training programs for undergraduate students, Entrepreneurship awareness programs are being conducted for potential entrepreneurs and Organizes Workshops on emerging technologies.

Malnad College of Engineering has Industry Institution Interaction cell (IIC) which aims to facilitate the process of close Industry-Institute Interaction. IIC conducts/supports/initiates activities like Internship, Industry visits, Industrial projects, Expert lectures, collaborative research work, workshops, symposiums etc. IIC activities address faculty and students to have regular associations with industry and provides exposure to the students. IIC is an attempt to expose the students and faculty to industry work culture and environment.

## **2. Vision and Mission**

### **VISION OF MALNAD TECHNICAL EDUCATION SOCIETY ®**

To establish institutions of excellence and produce the best citizens who can contribute to global peace and prosperity

### **MISSION OF MALNAD TECHNICAL EDUCATION SOCIETY ®**

- To contribute to the qualified manpower of the nation.
- To provide the best infrastructure and environment for quality education.
- To recruit and retain the finest faculty.
- To ensure enriching rewards to all stakeholders.
- To fulfill social obligations in all possible ways.

### **VISION OF MALNAD COLLEGE OF ENGINEERING**

To be an institute of excellence in engineering education and research, producing socially responsible professionals.

### **MISSION OF MALNAD COLLEGE OF ENGINEERING**

- Create conducive environment for learning & research
- Establish industry and academia collaborations
- Ensure professional and ethical values in all institutional endeavors


### 3. Information regarding Visvesvaraya Technological University

Visvesvaraya Technological University (VTU) is one of the largest Technological Universities in India with 20 years of Tradition of excellence in Engineering & Technical Education, Research and Innovations. It came into existence in the year 1998 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. University has very successfully achieved the tremendous task of bringing various colleges affiliated earlier to different Universities, with different syllabi, different procedures and different traditions under one umbrella. The university having 218 affiliated colleges, 1 constituent college and 17 Autonomous colleges with undergraduate courses in 35 disciplines, PG program in 94 disciplines and Ph. D& M.Sc.(Engg.) with research programs in 592 departments, over 4 lakhs Engineering Students study in the various institutes affiliated to the University. It has four regional centers across the State of Karnataka in Belagavi, Bengaluru, Kalaburagi and Mysuru respectively. University is comprised of a multi-disciplinary and multi-level institution offering wide ranging programmes in engineering, technology and Management. VTU has established Centre of Excellence at various places in Karnataka in different scopes to bring a change in the technology and society.

- VTU Bio-Fuel Information and Demonstration center at Belagavi.
- VTU center for Nanotechnology at Bengaluru
- VTU National Academy for Skill Development at Dandeli in Uttar Kannada District Parisar Chair at Belagavi
- VTU Innovation Clubs at VTU and in Affiliated Engineering Colleges.
- VTU Institute of Advanced Technologies at Muddenahalli
- E-Learning Center at Mysuru, and
- VTU Bosch Center of Competence at Mysuru

## 4. Institute Autonomy status

Malnad college of Engineering has been granted autonomy from VTU in the year 2007 and has the autonomous status till 2021-22.



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
**ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ**  
"Jnana Sangama", Belagavi - 590 018, Karnataka State, INDIA

Phone : (0831) 2405468  
Fax : (0831) 2405467  
Email : registrar@vtu.ac.in  
website : www.vtu.ac.in

**Dr. H. N. Jagannatha Reddy** B.E., M.E., Ph.D.  
Registrar

Ref: VTU/Aca/2016-17/A-11/150 Date: - 4 APR 2017

**NOTIFICATION**

**Sub: Extension of Autonomous Status to Malnad College of Engineering, Hassan from 2016-17 to 2021-22- reg...**

Ref: 1. VTU/Aca/2015-16/A11/6236, dated 14/10/2015.  
2. Recommendation of the standing Committee for grant of autonomy meeting, Dated 9/9/2014.  
3. Autonomy Review Committee visits dated 9<sup>th</sup> & 10<sup>th</sup> March, 2015.  
4. University Grants Commission letter No. F.22-1/2017(AC), dated 28/02/2017.  
5. VTU Autonomous College statues amended for the academic year 2015-16.  
6. Vice-Chancellor's order dated 18/3/2017.

Pursuant to the Recommendation of the Standing Committee vide Ref (2) and approval of University Grants Commission Ref. (4), in exercise of powers conferred upon Visvesvaraya Technological University by the VTU ACT cited vide Ref (5) above, the **Malnad College of Engineering, Hassan** is granted '**Extension of Autonomous Status**' for a period of six years starting from the academic year 2015-2016 to 2020-2021, (including ex-post-facto approval for the year 2014-2015) subject to the following conditions.

**Conditions:**

1. The Autonomy is not conferred once and for all. It has to be earned by the College as per provisions of the statute (Clause 4.3. (iv)).
2. The college shall abide by the Act, Statutes, Rules and Regulations, of the Visvesvaraya Technological University as revised/amended from time to time.
3. The college shall get its programmes accredited by the National Board of Accreditation and NAAC as and when mandated by the UGC and as per VTU Statutes (Clause 4.3 (v))
4. The college shall send annual self-evaluation reports to the University every year by 31<sup>st</sup> March.
5. The college shall send the list of admitted candidates to the University for approval and generation of University Seat Numbers Immediately after reconciliation against the University notification in this regard.

*Handwritten notes:*  
8/4/17  
Copies to be sent to all the HODs & information  
10/4/17



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"Jnana Sangama", Belagavi - 590 018, Karnataka State, INDIA

Phone : (0831) 2405468  
Fax : (0831) 2405467  
Email : registrar@vtu.ac.in  
website : www.vtu.ac.in

**Dr. H. N. Jagannatha Reddy** B.E., M.E., Ph.D.  
Registrar

6. The College shall not permit any student to appear for the examination without the admission approval of University.
7. The college shall send the list of successful candidates approved in the Academic Council of the college for conferment of Degrees or Certificates by the University within prescribed date(s).
8. The fee shall be collected as per University and Government notifications issued from time to time.
9. Any other notification issued by the University from time to time shall be followed.
10. The College shall send Student Registration and other fee to the University as notified by the University.
11. The College shall pay the Annual Fee of Rs. 20,000 and Administrative Chagres of Rs. 50,000 annually to the University along with regular affiliation fee.

*Judy*  
04.04.17  
**REGISTRAR**  
VTU, Belagavi.

To,  
**The Principal,**  
**Malnad College of Engineering,**  
**Hassan**

Copy to:

1. The Chairman, University Grants Commission, Bahadur Shah Zafar Marg, New Delhi
2. The Principal Secretary, Dept. Higher Education, 5<sup>th</sup> Floor, M S Building, Dr. Ambedkar vedhi, Bengaluru
3. The Executive Director, Karnataka Examination Authority, Sampige Road, Malleshwaram, Bengaluru
4. Hon'ble Vice-Chancellor through secretary to VC, VTU Belagavi for information.
5. The Director, Karnataka Examination Authority, Bengaluru.
6. The Director, Department of Technical Education, Bengaluru.
7. The Registrar, (Evel) VTU, Belagavi.
8. The Special Officer, VTU R.O Mysuru.





## 5. Governance Structure

The following governance structure shall be constituted to implement and monitor the academic autonomy.

The sitting members of BOG are as follows:

1. **Sri Ashok Haranahalli**, Chairman, BOG of MCE & MTES(R)
2. **Sri. B.R. Gurudev**, Vice-Chairman, BOG of MCE
3. **Sri. R.T. Dyave gowda**, Member, BOG of MCE
4. **Sri G.L. Mudde Gowda**, Member, BOG of MCE
5. **Sri R. Sheshagiri**, Member, BOG of MCE
6. **Sri H.A. Venkataramu**, Permanent Invitee, BOG of MCE
7. **Sri H.D. Parshwanath**, Permanent Invitee, BOG of MCE
8. **Sri. G.T. Kumar**, Permanent Invitee, BOG of MCE
9. **Sri. H.U. Talwar**, Ex-officio Member, BOG of MCE
10. **Regional Officer**, Ex-officio Member- BOG of MCE,(AICTE Nominee),
11. **Dr. M.G. Venkateshmurthy**, VTU Nominee, BOG of MCE,
12. **Prof. A. Damodaram**, UGC Nominee, BOG of MCE,
13. **Dr. N.C. Shivaprakash**, Academic Advisor – BOG of MCE
14. **Sri. S. Krishnaswamy**, Invitee, BOG of MCE
15. **Dr. M.S. Raviprakash**, Staff representative – BOG of MCE, Vice-Principal & Professor, Dept. of E & E Engg.,
16. **Dr. B.R. Sujatha**, Staff representative – BOG of MCE, Professor & Head, Dept. of E & C Engg.
17. **Dr. K.S. Jayantha**, Principal / Member Secretary, BOG of MCE.

**Meetings:** The member secretary shall, with the approval of the Chairman convene the meeting of the BOG at least once a year and such other occasions as may be necessary. The member secretary shall, with the approval of the Chairman prepare the agenda for the meeting. Quorum for the meeting shall be seven members. However, if there is no quorum for the meeting convened up to half an hour, then the meeting shall stand adjourned to the next convenient day fixed. In the adjourned meeting, if there is no quorum upto half an hour, the members present shall themselves constitute the quorum and conduct the meeting.

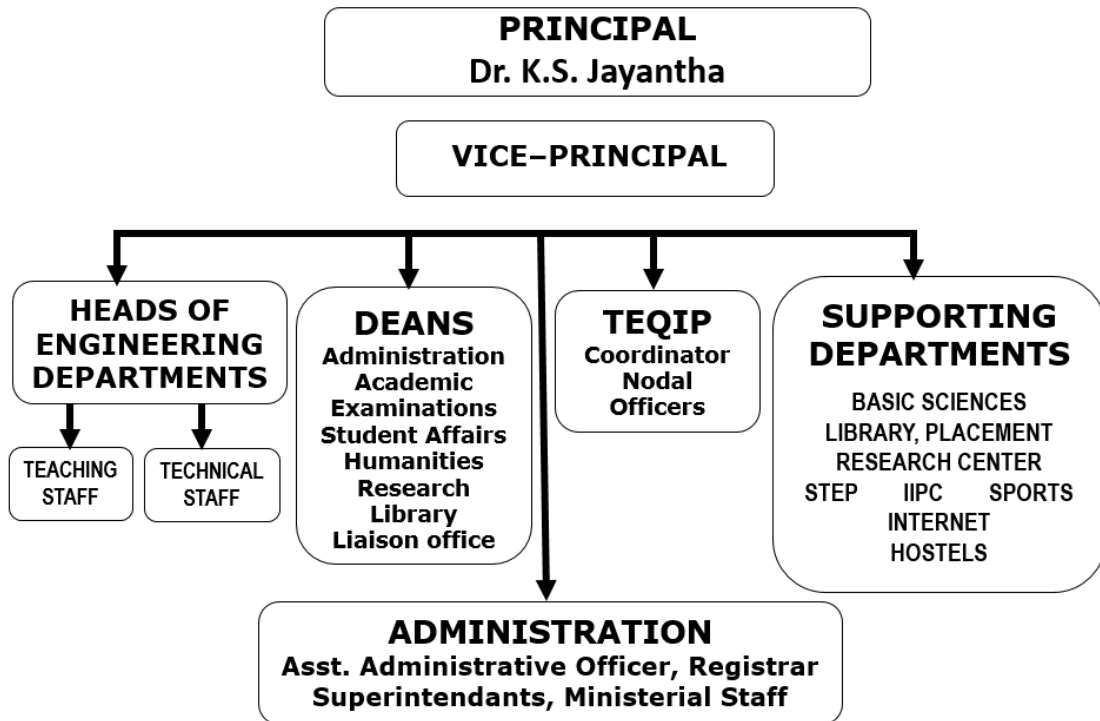
**Term of the members:** Two years, except for the Commission/ Council nominees. When a vacancy arises, the Chairperson of the Governing Council can appoint a new member.

***The functions of BOG are to:***

- Adopt the fee/other charges payable by students of the college as fixed by the Government/ University from time to time.
- Accept endowments, institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendation of Academic Council.
- Approve the institution of new programmes of study in the College with the concurrence of University leading to degrees and/or diplomas.

- Lay down service conditions, emoluments as per the council norms, traveling allowances for teaching and non-teaching staff in the college, consistent with the University statutes/ ordinances/ regulations/ rules and State Government provisions.
- Lay down procedures for selection/ recruitment of teaching, non-teaching staff and to appoint the same in the college, consistent with University/ Council statutes/ ordinances/ regulations/ rules and State Government provisions.
- Regulate and enforce discipline among members of teaching and non-teaching staff in accordance with the rules/ procedure laid down in this regard.
- Invest (any money belonging to the College) in approved securities, as it shall from time to time, think fit or in the purchase of immovable property.
- Transfer or accept transfer of any movable or immovable property of the College.
- Entertain, adjudicate upon and if thought fit, constitute a committee to advise and/or to recommend Redressal of the Grievances of the members/ staff of the College.
- Delegate administrative and financial powers to the Principal and other functionaries in the College for smooth functioning.
- Approve the Annual Report of the College, perform such other functions, constitute committees as may be necessary and deemed fit for the proper development and fulfill objectives for which the College has been established.

## 6. Organizational Structure



## 7. Academic Council (AC)

Academic Council is constituted as per the norms stipulated by the University.

### List of Academic Council Members

1.	<b>Dr. K.S. Jayantha</b> , Principal - Chairman of the Council
2.	<b>Dr. M.S. Raviprakash</b> , Vice Principal and Professor, of E&E Engg.
3.	<b>Dr. V.N. Narayana</b> , Dean (Academic Affairs), Professor, Dept. of CS & Engg.
4.	<b>Prof. Vijayavithal Bongale</b> , Member Secretary, Dept. of Mechanical Engg.
5.	<b>Dr. M.K. Ravishankar</b> , Dean (Administration), Dept. of Automobile Engg.
6.	<b>Dr. S. Pradeep</b> , Dean (Research), Professor, Dept. of Mechanical Engg.
7.	<b>Dr. K.P. Ravikumar</b> , Dean (Exams), Professor, Dept. of Automobile Engg.
8.	<b>Dr. S.N. Ravishankar</b> , Dean (SA), Dept. of Mechanical Engg.
9.	<b>Dr. C.V. Venkatesh</b> , Dean (PG Programs), Professor & Head, Dept. of Mech. Engg.
10.	<b>Dr. H.S. Mohana</b> , Dean (Humanities), Professor and Head, Dept. of E&I Engg.
11.	<b>Dr. A.J. Krishnaiah</b> , Professor and Head, Dept. of Civil Engg.
12.	<b>Dr. G.K. Purushothamma</b> , Professor and Head, Dept. of E&E Engg.
13.	<b>Dr. B.R. Sujatha</b> , Professor and Head, Dept. of E&C Engg.
14.	<b>Dr. Y.M. Shashidhar</b> , Professor and Head, Dept. of Automobile Engg.
15.	<b>Dr. Y Arunkumar</b> , Professor and Head, Dept. of I&P Engg.
16.	<b>Dr. J. Chandrika</b> , Professor and Head, Dept. of CS&Engg.
17.	<b>Dr. B. Uma</b> , Professor & Head, Dept. of Information Science & Engg.
18.	<b>Prof. R. E. Margaret</b> , Head, Dept. of Master of Computer Applications
19.	<b>Dr. M.R. Rangaraju</b> , Professor & Head, Dept. of Physics
20.	<b>Dr. M.B. Jagadeesha</b> , Professor & Head, Dept. of Chemistry
21.	<b>Dr. M.K. Partha</b> , Professor & Head, Dept. of Mathematics
22.	<b>Dr. G. Shivakumar</b> , Co-ordinator, IQAC, Professor, Dept. of E & I Engg.
23.	<b>Dr. M.S. Srinath</b> , Professor, Dept. of I& P Engg.
24.	<b>Prof. Nanditha B.R.</b> , Asst. Professor, Dept. of Information Science & Engg.
25.	Student member (Recently passed out alumnus)

### *Constitution of Academic Council (AC)*

*Chairman:* Principal

*Members:* All Heads of the Department, four teachers of College representing different levels of teaching staff by rotation on the basis of seniority of service in the college to be nominated by the Principal, not less than four experts from outside the college representing such areas as industry, research & development laboratories, and technical education to be nominated by the BOG, three nominees of the University.

*Member Secretary:* A senior faculty member nominated by Principal.

The term of all such nominated members shall be two years.

**Meetings:** The member secretary shall, with the approval of the Principal, prepare the agenda and convene the meeting of the AC, at least once a year and on such other occasions as may be necessary. One half of the members shall constitute the quorum. However, if there is no quorum for the meeting convened upto half an hour, then the meeting shall stand adjourned to a next convenient day fixed. In the adjourned meeting, if there is no quorum upto half an hour, the members present shall themselves constitute the quorum and conduct the meeting.

***The functions of Academic Council are to:***

- Scrutinize and approve the proposals of the Boards of Studies with regard to programs of studies, academic regulations, curricula, scheme, syllabi and modifications there of, instructional and evaluation arrangements, methods, procedure relevant thereto etc. If AC differs on any proposal, it shall have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
- Adopt regulations regarding the admission of students consistent with the University/Government norms for different programs of study in the College.
- Frame regulations consistent with the University norms to conduct examinations and initiate measures for improving the quality of teaching, students' evaluation and students' advisory system in the College.
- Approve the list of successful candidates for the award of degree certificate.
- Make regulations for sports, extracurricular activities and proper maintenance of the playgrounds and hostels.
- Recommend to the BOG the proposal for instituting new program(s) of study.
- Make recommendations to BOG regarding the institution of scholarships, studentships, fellowships, prizes and medals and to frame regulations for the award of the same.
- Make recommendations to the BOG on issues related to academic affairs.
- Encourage faculty members to undertake sponsored research, industrial consultancy, continuing education and related activities.
- Perform such other functions as may be assigned to it by the BOG of the institute.

**Dean Academic Affairs - Dean (AA)**

***The functions of Dean (AA) are:***

- Implementation of all decisions taken on academic matters by AC.
- Registration of students, and maintenance of academic records of students.
- Be responsible for all the matters connected to students' academic activities.
- To receive, process and maintain all records pertaining to undergraduate program including curricula, courses offered, academic calendar, registration, records of long leave and examinations.
- Disseminate information related to all academic matters by issuing necessary circulars.
- To act as a channel of communication between students, faculty, departments and DAC.
- To conduct faculty appraisal by the students and report the results to the Principal for follow-up action.

**Dean - Student Affairs: Dean (SA)**

***The functions of Dean (SA) include:***

- Monitoring the proctorial system.
- Issuing ID cards, authorize Railway/Bus concession certificates to the students.
- Having liaison with the University regarding the issue of migration and other certificates.
- Taking care of the general welfare of students.  
Addressing all student related problems and disciplinary matters.  
Registration of first year students.  
Monitoring first year UG program and humanities science courses.

#### **Dean(Exams)**

##### ***The functions of Dean(Exams) include:***

- Monitoring all matters pertaining to conduct of CIEs, SEEs, evaluations and grading, publication of results and printing of grade cards, provide Provisional Degree Certificate(PDC), (CIEs for first year students to be centrally conducted by DEAN(EXAMS) and for senior classes, CIEs to be conducted by HODs as per the time table announced by the DEAN (A.A.)/DEAN(EXAMS)).
- Preparing timetable of CIEs for first year programme and all SEEs, in consultation with Dean (AA).
- Maintaining the examination records of students.
- Corresponding with VTU regarding award of degree to students.

#### **Malpractice Enquiry Committee (MEC)**

##### ***Constitution of Malpractice Enquiry Committee***

<i>Chairman:</i>	<i>Chief Superintendent of Examination or his Nominee</i>
<i>Convener:</i>	<i>Dean(Exams)</i>
<i>Members:</i>	<i>Dean(AA), Dean(SA), Concerned HOD, and Faculty nominated by Chairman</i>

##### ***The functions of MEC are to:***

- Conduct enquiry of students involved in malpractice.
- Deliberate and decide on the quantum of punishment depending upon the gravity of the offence (The general punishment for all cases of malpractice, in SEE's - theory or practical examinations, shall be: awarding of F grade in the corresponding course, denial of permission to take up the immediate make up SEE, allowing the student to re-register for the same semester only during the next year, i.e., after a break of one year, etc.).

#### **Grievance Redressal Committee (GRC)**

##### ***Constitution of GRC:***

<i>Chairman:</i>	<i>Principal or his Nominee</i>
<i>Convener:</i>	<i>Dean(AA)</i>
<i>Members:</i>	<i>DEAN(EXAMS), Dean (SA), and Concerned HOD</i>

##### ***The functions of GRC are to:***

- Receive written requests/complaints from students regarding any kind of academic grievances, deliberate and suggest appropriate remedies in genuine cases.
- Recommend for implementation, modification of grades, if any, through proper mechanism.

- Conduct enquiry of students involved in malpractice in CIEs, deliberate and decide on the quantum of punishment.

#### **Equivalence Committee (EC)**

<i>Chairman:</i>	<i>Principal or his Nominee.</i>
<b>Members:</b>	Vice-Principal, Dean (AA), HOD, Senior faculty nominated by the Principal

EC shall decide the number of credits and grade points to be awarded, for the courses studied earlier, to the students from non-autonomous programs.

#### **Standing Disciplinary Action Committee (SDAC)**

<i>Chairman:</i>	<i>Principal or his Nominee.</i>
<b>Members:</b>	Dean (SA), Concerned HOD, Two Faculty/Officials nominated by the Chairman

SDAC shall investigate the details of the violation of discipline including ragging and recommend suitable disciplinary action.

#### **Campus Disciplinary Committee (CDC)**

<i>Chairman:</i>	<i>Principal or his Nominee.</i>
<b>Members:</b>	Dean (SA), Concerned HOD, Faculty/Officials nominated by the Chairman

CDC shall investigate the details of the violation of campus discipline and recommend suitable disciplinary action.

#### **Internal Quality Assurance Cell (IQAC)**

An internal mechanism for sustenance, assurance and enhancement of the quality culture of education imparted by the institution is essential. MCE has established the Internal Quality Assurance Cell (IQAC) as a post accreditation quality sustenance activity as per the guidelines of UGC. The IQAC is meant for planning, guiding and monitoring quality assurance and quality enhancement activities of the college. It will channelize and systematize the efforts and measures of the institution towards academic excellence. The IQAC is constituted under the chairmanship of Principal with a senior faculty as a Director/Coordinator. It consists of eminent persons from industry & academia along with faculty & staff from MCE nominated by the Principal. The composition of MCE-IQAC is as follows:

#### **Parents Relations Centre (PRC)**

As per the Notification of the Visvesvaraya Technological University, Ref. VTU/ ACA-Circulars/ 2014-2015/8009 dated 21st Oct. 2014, Parent Relation Centre has been established in the institution. The objectives of this centre is to find out the problems faced by the students and to strengthen the student support system by organizing Parents meet as part of Parents-Institution Interactions. In this regard the role of the parent is very important in guiding and monitoring the progress of their wards. The purview of the Parents meet shall be pertaining to the academic issues, ways and means to lower the dropout rate, to incorporate parents views and suggestions in relevant matters like facilities in the campus and hostels and to deliberate on important issues pertaining to the welfare of the students. The Parents meet will be conducted once in every semester.

Conveners

1. Dr. Y. Arun Kumar
2. Mrs. Sumana Jayaprakash

**Department Academic Committee (DAC):**

***Constitution of DAC:***

<i>Chairman:</i>	<i>Head of the Department</i>
<i>Members:</i>	Minimum four faculty members at different levels nominated by the HOD

***The functions of Internal BOS /DAC are:***

- Monitor conduct of courses offered by the department
- Ensure academic standards and excellence of the courses offered by the department
- Oversee evaluation of each course offered
- Recommend modifications in the curriculum to the BOS
- Help Dean (AA) in the registration of all departmental subjects and preparation of academic calendar.

**Board of Studies (BOS)**

**Functions of BOS:**

- Prepare syllabi for various courses keeping in view the objectives of the College, interest of the stake holders, and State/National requirements for the considerations and approval of the AC.
- Suggest methodologies for innovative teaching and evaluation techniques
- Suggest panel of experts to AC for appointment of examiners
- Coordinate research, teaching, extension and other academic activities in the departments.
- Any other function that may be assigned by the AC.

***Constitution of BOS***

<i>Chairman:</i>	<i>Head of the Department</i>
<i>Members:</i>	<ol style="list-style-type: none"> <li>1. At least five faculty members at different levels covering different specializations.</li> <li>2. Two experts in the programme from outside the college, to be nominated by Academic Council.</li> <li>3. One expert from outside the College nominated by the Vice Chancellor from a panel of six recommended by Principal.</li> <li>4. One representative from industry/corporate sector/allied area relating to placement to be nominated by the AC.</li> <li>5. One postgraduate meritorious alumnus to be nominated by Principal as member.</li> </ol>
<i>Co-opted members:</i>	<p><i>Chairman co-opts the following members:</i></p> <ol style="list-style-type: none"> <li>1. Experts from outside the College whenever special subjects of studies are to be formulated.</li> <li>2. Other members of the faculty of the same department</li> </ol>

**Board of Examiners (BOE)**

***Constitution of BOE***

<i>Chairman</i>	<i>Head of the Department.</i>
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Members	All the members of DAC and two experts from other Institutions.
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***The functions of BOE are to:***

- Scrutinize the question papers.
- Forward the panel of examiners for each course to the Dean(Exams) in consultation with the Principal.
- Plan and conduct the CIEs and quizzes.
- Assist Dean(Exams) in conducting the SEEs.

**Faculty Advisors (FA)**

To effectively guide students in academic, co-curricular and extra-curricular activities and achieve career goals, each student shall be assigned a **Faculty Advisor**. Each Faculty Advisor may be assigned up to twenty students. The FA shall continuously interact with the students through scheduled and informal meetings. The FA shall:

1. Assist, mentor, guide, advise and counsel the students in matters relating to academics, co-curricular and extra-curricular activities, career planning and personality development,
2. Monitor the students' performance and progress,
3. Based on available data, identify students' strengths and weaknesses and work with them to overcome their weaknesses and reinforce their strengths, and
4. Communicate with the parents/ guardians regarding the performance and progress of the students.

**Course Faculty (CF)**

The CF shall perform the following functions:

1. Follow all regulations relating to teaching of a course and evaluation of students.
2. Be responsible for all records such as course registration, answer books, attendance of the students registered for the course taught.
3. Conduct classes/ Laboratories/ Practical's as prescribed in the academic calendar and Time Table.
4. Distribute the Lesson Plan, Evaluation Plan together with the objectives of the course and reference materials at the beginning of the course
5. Conduct the CIEs for the course
6. Document the students' performance and announce the results of CIE as stipulated in the regulations.


7. Report to the HOD on a regular basis the progress of the course and the cases of poor performance and low attendance that may result in an “F” grade at the end of the course.
8. The Course Faculty may also advise/counsel such students and assist them in improving their performance and avail the facilities such as withdrawal from the course.

**Course Coordinator (CC)**

Courses which are taught by more than one Course Faculty and courses which are taught to more than one class/ section shall have a Course Coordinator appointed by the HOD of the teaching department. The CC shall have the following responsibilities:

1. Coordinate amongst all the CFs teaching the course regarding progress of classes, synchronize coverage of topics and set or arrange to set question papers for CIEs.
2. Coordinate with CFs to decide the scheme of evaluation of CIEs.

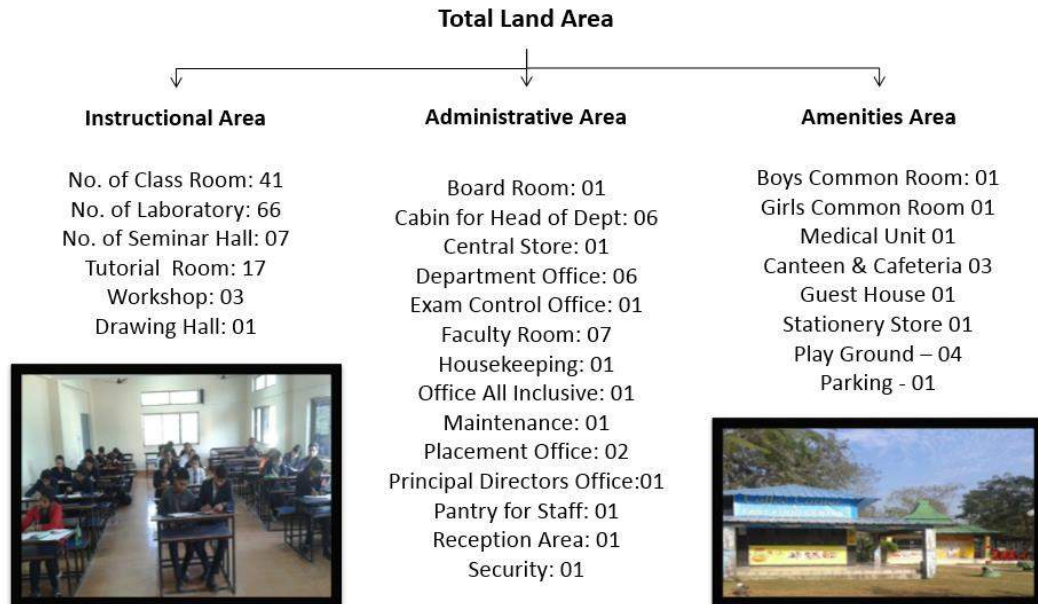
## 8. Academic Calendar

 <b>MALNAD COLLEGE OF ENGINEERING, HASSAN</b> <b>ACADEMIC SCHEDULE AND CALENDER OF EVENTS FOR</b> <b>ODD-SEMESTER:2018-2019</b> <i>(I B.E. - Autonomous Programs)</i>		
#	Event Particulars	Scheduled Dates
1.	Orientation Day for fresher's	12.08.2018 (Sun)
2.	Odd Semester Term: 2018-19 (119 Days)	13.08.2018 (Mon) to 08.12.2018 (Sat)
3.	Three weeks Orientation Program	13.08.2018 (Mon) to 01.09.2018 (Sat)
4.	Registration	13.08.2018 (Mon) to 18.08.2018 (Sat)
5.	Registration with Penal fee Rs.500/-	20.08.2018 (Mon) to 25.08.2018 (Sat)
6.	Registration with Penal fee Rs.1000/-	27.08.2018 (Mon) to 29.08.2018 (Wed)
7.	Continuous Internal Evaluation- I(CIE-I)	09.10.2018 (Tue) to 11.10.2018 (Thu)
8.	Entry of CIE-I to Contineo Software	17.10.2018 (Wed)
9.	Link Holiday for the Institute	20.10.2018 (Sat)
10.	Compensatory working day with Saturday's timetable	28.10.2018 (Sun)
11.	Continuous Internal Evaluation-II(CIE-II)	12.11.2018 (Mon) to 14.11.2018 (Wed)
12.	Entry of CIE-II to Contineo Software	20.11.2018 (Tue)
13.	Make up/Improvement CIE	29.11.2018 (Thu) to 01.12.2018 (Sat)
14.	Faculty Evaluation by Students	27.11.2018 (Tue) to 30.12.2018 (Fri)
15.	Conduction of Practical CIE	03.12.2018 (Mon) to 08.12.2018 (Sat)
16.	Last Working Day(for students)	08.12.2018 (Sat)
17.	Entry of Final CIE Marks(Both Theory & Practical)	10.12.2018 (Mon)
18.	Submission and announcement of names of students at Department Notice boards with CIE < 20 Marks & Attendance < 85%	10.12.2018 (Mon)
19.	College Level GRC Meeting(Academic issues) (Attendance & other academic issues)	10.12.2018 (Mon) at 4.30PM
20.	Withdrawal of Course/s by eligible students	10.12.2018 (Mon)
21.	Last Working Day(for faculty)	10.12.2018 (Mon)
22.	Semester End Examinations (SEE)	11.12.2018 (Tue) to 27.12.2018 (Thu)
23.	Practical Examinations	26.12.2018 (Wed) to 02.01.2019 (Wed)
24.	Declaration of Results of Odd Semester Examinations-2018-19:	05.01.2019 (Sat)
25.	Paper seeing for odd semester 2018-19 SEE Exam	07.01.2019 (Mon) and 08.01.2019 (Tue)
26.	Makeup semester for odd semester (CIE's and SEE) (details to be announced later)	09.01.2019 (Wed) to 08.02.2019 (Fri) (Tentative)
27.	Even semester term: 2018-19 (106 Days)	11.02.2019 (Mon) to 27.05.2019 (Mon) (Tentative)
28.	Even semester examinations and Results	28.05.2019 (Tue) to 02.07.2019 (Tue) (Tentative)
29.	Odd Semester Commencement: 2019-20 (Tentative) - I Sem	29.07.2019 (Mon) (Tentative)
30.	Odd Semester Commencement: 2019-20 (Tentative) - III, V and VII Sem.	05.08.2019 (Mon) (Tentative)

## 9. Infrastructure Details

Facility and Technical support Infrastructure

### Infrastructure



### Library Facility

The college has an exhaustive library with more than 95478 volumes and has a well furnished Reference section. The library gets several journals in various fields of Science, Engineering and Technology. It has an in-house browsing centre. E-library facility is also provided to the fellow students for the access of online journals. In addition to this, each department has an In-house library.

#### Ground Floor

- Issue counter
- Librarian's chamber
- Reprographic facility
- Reference Section with
- Periodicals & Journals
- Internet Browsing Center
- Mezzanine Floor
- SC/ST Book Bank
- Merit Incentive Book Bank
- Stack area for Books

**The reference Library has a total seating capacity for 600 users at a time.**

## **Library resources**

- Total collection of 95478 Volumes (including Book Banks). 20364 Titles.
- VTU Consortium - 2017
- International Journals E Version - 8611
- Elsevier Science - 288
- IEEE - 273 Numbers
- Springer - 680
- ASCE - 35 Numbers
- Taylor & Francis - 535
- Pro Quest - 3900
- K- Nimbus: Digital Library - 2900
- Remote Access Solutions - 12000 plus
- News Papers Subscription - 14 Numbers.
- Magazines Subscription - 12 Numbers.
- 1000 CDs
- Encyclopedia, Handbooks, Dictionaries, Bound volumes of Periodicals, Students Project Reports
- Subscription to 86 National & 8611 International (Including Non-print) technical journals
- Internet Facility
- Reprographic Facility
- Automation in progress

## **Language Lab**

A language Laboratory is available at Institute level with 30+1 users.

The language lab software consists of the following modules.

- English module
- Career module
- Aptitude module

Students who are weak in English communication skills – reading, writing and comprehension will be identified by the faculty teaching communication skills course and will be given assignment to work in language lab. In addition, faculty and students if interested can come to the language lab and work on the above modules.

One faculty from each Engineering department will officiate as department level coordinators for language lab. The department coordinators will make a list of students in consultation with the Communication skills course faculty and same will be forwarded to the institute coordinator.

The laboratory staff in of the language lab will assign the user name and password for each student.

The students will work on the specified module and the report of their performance is generated which will be submitted to the department coordinator for further action.

## **Coordinator:**

Prof. H S Murali, Assistant professor, Department of Electronics and Instrumentation Engineering.

## **Hostel**

### **Boys Hostel:**

Malnad College of Engineering Boys Hostel started during the year 1961 cater to the needs of the students who are coming from far away places. Now, the hostel is very well equipped with modernized kitchen and huge dining hall which can accommodate nearly 260 students at a time for lunch/dinner. **Hoysala, Hemavathi** and **Hasanamba** are the 3 blocks which accommodate nearly 600 to 650 students in 324 rooms. All the rooms are provided with cots, tables, chairs and ceiling fans. Good and well maintained rooms, corridors, bath and Water closets.

Ragging free hostel campus is secured by security services, Internet browsing centre has been provided to all the boarders of the hostel. Generator facility, 24 hrs. Water supply, hot water for bathing and hygienic food, aquagard water for drinking is served to all the boarders of the hostel. Two TV rooms are made available and indoor games and sports are encouraged.

The hostel is running under the able leadership of the present Administrator/Warden Prof., G. Manjunatha. Very well managed office and disciplined staff are also an added quality to MCE Boys Hostel.

### **Ladies Hostel:**

The institute has an exclusive ladies hostel located outside the college campus. It was started during the year 1990. A four storied building accommodates about 250 students. A good boarding and lodging facilities are provided to the students. The students are provided with the Wi-Fi connectivity in the hostel premises. Also, the students are provided with bus facility from hostel to college. There are two resident wardens apart from the organizational structure as follows.

### **Warden:**

Dr. Kalavathi

Assistant Professor, Department of Mathematics,

Malnad College of Engineering, Hassan

### **Administrator:**

Dr. M.S. Srinath

Professor, Department of Industrial and Production Engineering,

Malnad College of Engineering, Hassan.

Contact No: +91-8277421917

## 9. Department Profile

### **Department of Civil Engineering**

The department of Civil Engineering made its beginning with the establishment of the college. It offers 4 years (8 Semesters) B.E. course (with an intake of 60 students) and a 4-Semester Post-graduate programme in Computer Aided Design of Structures (with an intake of 20 students). The department is also engaged in guiding candidates leading to the Ph.D. degree and M.Sc. Engineering by research.

The department has an illustrious list of faculty who publish technical papers regularly in various national and international journals.

The department is engaged in conducting Short-term courses for the benefit of Civil engineers and takes up Consultancy work in Soil Testing, Material Testing and Water Analysis. The department has well equipped laboratories with modern instruments, developed with the financial assistance from the State, and the Central Governments.

The different laboratories are:

- Basic Material Testing Laboratory
- Geo-technical Engineering Laboratory
- Environmental Engineering Laboratory
- Cement Concrete and Highway Materials Testing Laboratory
- Fluid Mechanics Laboratory
- Survey Laboratory
- Computer Aided Design Center

### **Department of Mechanical Engineering**

The department of Mechanical Engineering (NBA Accredited during 2004-2007 and 2008-2011) made its beginning with the establishment of the college in 1960. It offers a 4 years (8 semesters) B.E. course in Mechanical Engineering (Autonomous) with an intake of 120 students and Masters Degree programme in Industrial Automation and Robotics (IAR, started during the year 2004) with an intake of 18 students.

The department has well experienced and dedicated faculty members with many active researchers with active involvement in R & D projects. There are totally 32 faculty with an average teaching experience of 20 years, out of which 10 with Ph.D. and remaining with M.Tech./MSc (Engg.) qualification. Three faculty members have received young scientist award from DST and VGST. Many of the faculty members are resource persons for VTU Edusat programme.

All the laboratories in the department are well equipped to carry out the experiments of both UG/PG programmes. Department has recently procured state of the art equipment like 3D Printer, 6-axis articulated Robot, Computerised UTM, Surface Profilometer, etc. to cater the need of both researchers & students.

Mechanical Engineering Department is recognised as research centre for carrying out research leading to Ph.D/M.Sc (Engg) by research degree by VTU, Belgaum. So far 13 scholars have completed their Ph.D and 18 M.Sc. (Engg.) by research. Currently there are 26 Scholars pursuing their research work for Ph.D. and 07 for M.Sc. (Engg.) by research in the department. The department has received research grants from funding organisation like DST, AICTE, VGST, VTU, UGC, TEQIP, etc. Many of the faculty members have presented their research papers in International conferences held abroad.

The department has also developed good contacts with industries like Robert Bosch, BEML, NAL, HAL, BHEL, MICO and many others and many students take up their internship training / project works in these industries. The department organizes many training/faculty development programmes for the faculty/technical staff and students periodically. Invited lectures from renowned personalities are regularly arranged for the benefit of the students and staff members of the department. The department encourages the faculty and students to attend conferences, workshops and other training programs to enhance their technical skills. The department has state of the art CNC turning and Milling machine to cater the needs of industry and research.

The alumni of the department are well placed in many of the reputed industries / organisation throughout the world. Apart from this, nearly ten to fifteen students of every batch are getting admitted for post graduation to many reputed abroad universities across the world.

The Department of Mechanical Engineering has well established laboratories like:

- Basic Workshop
- Material Testing Laboratory
- Foundry & Forging Laboratory
- Metrology & Measurements Laboratory
- Machine Shop
- Fluid Mechanics & Machinery Laboratory
- Energy Conversion Laboratory
- Heat Transfer Laboratory
- Design Laboratory
- Central Cad/Cam/Cae Facility
- Robotics & Automation Laboratory
- CNC Machine Laboratory



## **Department of Electrical & Electronics Engineering**

The department of Electrical & Electronics Engineering (E&EE), earlier known as Electrical Power Engineering, is one of the first three branches of Engineering started at MCE in the year 1960. At present, there are 6 Ph.Ds specialized in various fields of Electrical & Electronics Engineering and four more are at different stage in the process of pursuing the Ph.D. programme. About 200 research papers have been published by the E&EE faculty till date in various international journals and conferences. Apart from the B.E. Degree Course in E&E Engg., the department also offers an M.Tech. Degree Course in Computer Applications in Industrial Drives. The department is recognized as a research centre by the Visvesvaraya Technological University (VTU), Belgavi and there are 10 research scholars with external registration working for their degrees at this research center. These scholars are being guided by the Professors of the department for Ph.D. and M.Sc.(Engg.) Degree, both Part-time and Full-time. Till now, four M.Sc. (Engg.) and four Ph.D. Degrees are awarded by VTU under E&E Engineering Research Centre.

The department has a large number of highly qualified and experienced faculty. The department has received so far the total amount of about Rs. 1.80 Crores from various Government funding agencies. The department has excellent laboratory and well equipped computer center facilities which are useful to the students, research scholars as well as for industrial consultancy work.

The Department of E&E Engineering has well established laboratories like:

- Electrical Machines Laboratory
- Electrical Measurement and Circuits Laboratory
- Control Systems Laboratory
- Relay & High Voltage Laboratory
- Electronics Laboratory
- Microprocessors Laboratory
- Power System Simulation Laboratory
- Modern Power System Protection, Automation & Control Laboratory

The department laboratories are well equipped and cater the needs of academic programs. *Testing of Induction motors* for their rating certification and *Transformer oil testing* are the frequently conducted external consultancy works in the department laboratories.

## **Department of Electronics & Communication Engineering**

The B.E degree course in Electronics & Communication Engineering was instituted in this college in the year 1967 and a separate department of E&C Engineering was started in the year 1981. The B.E course (4 years with 8 Semesters) has an intake of 90 students.

It is an autonomous Programme, affiliated to Visvesvaraya Technological University (VTU), Belgaum. The department also offers an M.Tech degree programme in Digital Electronics & Communication Systems (affiliated to VTU, Belgaum), with an intake of 25 students. This M.Tech. course was instituted in the year 1987. The department has been recognized as a research center for M.Sc (Engg) & Ph.D programmes from the year 1990. The department has a very good infrastructure and laboratory facilities. The department has received grants under the Direct Central Assistance scheme of the Ministry of Human Resources Development, Government of India and AICTE. The laboratory facilities in the department have been significantly improved under TEQIP-I grants. The department has highly qualified and motivated staff. It is conducting short-term courses and workshops on regular basis since 1983, for the benefit of the faculty of Engineering colleges, Polytechnics, PG students, UG students and research students. The department is securing very good results in both B.E (ATNMS) and M.Tech course, every year. The research activities in the department are excellent. The placement records of the department are also very good. The department has made MOU's with INSAT Master Control Facility (a wing of ISRO), HASSAN, Eagle photonics, Bangalore and BSNL.

These are the lab facilities provided in the Department of Electronics & Communication

- Electronics Lab
  - Analog Electronics Lab
  - HDL and Signal Processing Laboratory
  - VHDL Lab
  - Digital Signal Processing
  - VLSI Lab
  - Microcontroller and Embedded Systems Laboratory
  - Microcontroller Lab
  - Embedded Systems & Networks Lab
  - Electronics & Communication Laboratory
  - Communication Lab
  - Advanced Communication Lab
  - Digital Electronics Lab
  - Research Lab
- 
- IOT Lab: Dr K A Krishna Murthy commemorative IOT Lab, an initiative of B.E (E&C) 1991 batch alumni has been established in E&C department during the year 2017.

### **Department of Automobile Engineering**

Established in the year 1982, the Department of Automobile Engineering traversed the path of knowledge dissemination and generation as well as delivering over 800 Automobile Engineering graduates to the Nation. Over these 35 glorious years, it has carved a niche for itself in the key areas of teaching, research, administration and community services. The Department of Automobile Engineering prioritize the necessary revamping of Automobile Engineering education, which is driven primarily by dynamics of technological

advances and sustainable development and with active involvement of industry, alumni, research organizations and other stakeholders. Department offers B.E program. Department caters to more than 150 B.E students.

The Department of Automobile Engineering has well established laboratories like:

- Auto Engineering Lab
- Auto Diagnostic and reconditioning lab
- Automotive chassis component lab
- Fuels and combustion lab, machine shop
- CAD/CAM lab
- Emission testing lab
- Automotive service centre

### **Department of Industrial and Production Engineering**

Industrial and Production Engineering is a core asset for industries competing on a global market. The programme provides competencies both in technology and management aspects of modern production systems. The Production Systems profile provides with skills in design, implementation and operation of conventional and advanced production operations. The knowledge of core subjects in the curriculum starting from basic engineering, design and production to the advanced CAD/CAM/CAE, automation, robotics, simulation, computer-based visualisation, and human factors in complex systems emphasizes on the creation of efficient, effective and innovative systems with lower product development costs and a greatly shortened design cycle. The methods to manage complexity and control of advanced production systems have been added in the curriculum. The Production Management profile focuses on new production strategies and management. The Manufacturing Technology profile deals with methods and technology for advanced manufacturing. Modern Reengineering and improvement tools as well as methods used in analysing manufacturing system performance are the specialized areas in the curriculum. In addition to the core subject areas, a range of elective courses provide a wide spectrum of choices in the emerging areas.

Over the years, the department has created and maintained very good laboratories with modern infrastructure. The department's library and internet facilities are simply good and have registered extra-ordinary utilization levels. The new changes in the curriculum enable learners to acquire excellent knowledge and skills to be competitive in the global perspective.

The Department of Industrial and Production Engineering has well established laboratories like:

- CAD/CAM/CAE Laboratory
- Computer Numerical Control machines Laboratory
- Software Applications laboratory
- Metrology and Measurements laboratory
- Industrial Engineering and Ergonomics laboratory
- 3-D printing facilities
- Manufacturing Simulation Laboratory

## **Department of Computer Science & Engineering**

The department of Computer Science & Engineering was established in the year 1983. It offers the 4 years (8 Semesters) B.E. course (with an intake of 60 students). The department is also running VTU part time M.Tech in Computer Science & Engineering.

The V.T.U has recognized the department as a research center for carrying out research work leading to M.Sc. Engg&Ph.D degrees. The department has highly qualified faculty. The department has developed a good rapport with the IT industry.

Seminars and workshops are organized regularly to help the faculty and students to update their knowledge about the latest developments.

The Department of CS&E has well established laboratories like:

- Computer Science Laboratory-I
- Computer Science Laboratory-II
- Hardware Laboratory
- Project Laboratory
- Programming Laboratory
- Cloud Computing Research Laboratory

## **Department of Electronics & Instrumentation Engineering**

The department of Instrumentation Technology came in to existence in the year 1984 by then visionaries in the management and authorities of the college. It was started as an offshoot of Electronics and Communication Engineering. The department has conducted many AICTE/TEQIP sponsored workshops. Our Staff members are specialized in thrust areas of technology and updating their knowledge by attending conferences, workshops and short-term courses.

The Department has been renamed as **Electronics & Instrumentation Engineering** from 2014 by VTU. Degree will be awarded to all successful students admitted from the year 2014 as **Electronics & Instrumentation Engineering**.

Programmes Offered: Bachelor Degree in Electronics & Instrumentation Engineering with intake of 50, plus 25% lateral entry students. The Department attained autonomous status in year 2007-08.

Facilities in the Department: The Department has a dedicated computer center with all systems networked through LAN. Our Department Lab facility includes Instrumentation, Process Control, Control System, Digital IC's, Data conversion, Electronics Circuits, Analog IC's, VHDL, Microprocessor, Micro-controller and DSP Labs. The students of some departments are carrying out their laboratories in our department. The department

is running its own library, having more than 1200 volumes to cater the needs of staff and students of the department

Consultancy Service Offered in the Department: ICT-Phase-II (a dream project of the Government of Karnataka) inspection program, headed by the HOD and Staff of the department are actively participating to proliferate computer literacy among rural students.

Few of the UG projects sponsored by KSCST are taken up every year. The department has organized many AICTE and TEQIP programmes for the benefit of the faculty and students periodically.

The Department of Electronics & Instrumentation Engineering has a well established

- Analog Electronics Lab.
- Instrumentation Lab.
- Microprocessor Lab.
- Microcontroller Lab.
- Control Systems Lab.
- Data acquisition & Virtual inst Lab.
- DSP Lab.
- Process Control Inst Lab.
- Digital Electronics Lab.

### **Department of Information Science & Engineering**

The department was started in the year 2000 and offers B.E. Degree program with an annual intake of 40 students. From 2018 annual intake enhanced to 60. The department has experienced faculty who regularly attend Workshops and Training Programme to keep themselves updated with emerging technologies. It has Computer Centres which provide necessary facilities required as part of the programme. Internet and Wi-Fi facility are available in the department. The In-house department Library has more than 1369 volumes. It also hosts an e-library as an online reference resource.

The department organizes technical lectures and personality development programmes regularly as part of the ISE Association (ISEA). Students regularly participate in technical and cultural competitions both in-house and at other colleges and secure prizes. The students of the department have a good placement record with reputed organizations and alumni of the department pursue their higher studies with in the country as well as abroad.

The department publishes quarterly News Letter "ISEAN" to which students and faculty contribute technical and non-technical articles. The newsletter also has a cross word section oriented towards improving the technical competency of students. The department continues to strive for disciplined and all round development of the students.

***The Department has state of the art networks of computers with different operating systems like Windows 7, Windows 8 and Linux. Latest versions of the necessary software's like different compilers, Database Management Systems like Oracle, Java, Visual Basic, etc., are available. The LANs are connected to the Optical Fibre backbone of the Campus Wide Network. Internet facility with 200 Mbps data rate is available.***

#### Computer Centre - 1

The laboratory has a network of 1 server and 28 Nodes.

The Zenith Server has Xeon Processor with INTEL EM 64T @ 3.6Ghz, 2\*512MB DDR 2 RAM and 200GB HOT SWAP SATA HDD, 28 nodes have LENOVO Think Centre PC with Intel Core i3 @ 3.3GHz, 4GB DDR3 SDRAM and 500 GB HDD and the systems have Windows 7 Operating Systems and all necessary software's have been installed. Internet access facility is available on all the nodes.

#### Computer Centre - 2

This Laboratory has a network of 1 Server and 24 Nodes.

The Linux Server and 10 nodes have LENOVO Think Centre PC with Intel Core i3 @ 3.3GHz, 4GB DDR3 SDRAM and 500 GB HDD, 14 nodes have LENOVO Think Centre PC with Intel Core i5 @ 3.3GHz, 8GB DDR3 SDRAM and 500 GB HDD the systems have Windows-7 and Windows-8 Operating Systems and all necessary software's have been installed. Internet access facility is available on all the nodes.

## 10. Information regarding NBA accreditation

The following departments have been NBA accredited under Tier – I institution till 30.06.2020.

- Department of Civil Engineering
- Department of Mechanical Engineering
- Department of Electrical and Electronics Engineering
- Department of Automobile Engineering
- Department of Industrial Production and Engineering
- Department of Computer Science and Engineering
- Department of Electronics and Instrumentation Engineering
- Department of Information Science and Engineering

The Department of Electrical and Communication Engineering has been accredited under Tier -1 institution till 30.06.2022

## 11. Programmes Offered

### **UG Programmes**

MCE offers Under-Graduate programmes in 9 disciplines, namely :

- Department of Civil Engineering
- Department of Mechanical Engineering
- Department of Electrical and Electronics Engineering
- Department of Electrical and Communication Engineering
- Department of Automobile Engineering
- Department of Industrial Production and Engineering
- Department of Computer Science and Engineering
- Department of Electronics and Instrumentation Engineering
- Department of Information Science and Engineering

### **PG Programmes**

**There are Post-Graduate Courses in 6 disciplines, namely :**

- M.Tech in Digital Electronics & Communication Systems (DECS)
- M.Tech in Computer Applications in Industrial Drives (CAID)
- M.Tech in Computer Aided Design of Structures (CADS)
- M.Tech in Industrial Automation & Robotics (IAR)

### **Ph.D. Programmes**

All the departments have been recognized as research center by the VTU.

## 12. Students Strength

Sanctioned Intake and Actual Intake filled with category and gender

### I Semester UG

Sl. No.	Course	Sanctioned Intake	Total No. of Students Admitted			Vac	No. of students admitted who have passed qualifying examination from		No. of Students belonging to																									
									GM		NRI / MGT		SC		ST		Cat I		Cat IIA		Cat IIB		Cat IIIA		Cat IIIB		Phy.Han		Ex.Ser		GOI		NCC	
			M	F	T				Kar	Non-Kar	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
1	Civil	120	72	52	124	9	117	7	49	32	0	0	6	5	1	1	2	1	6	5	2	1	2	2	1	4	0	0	0	0	2	1	1	0
2	Mechanical	180	140	13	153	37	152	1	82	6	0	0	19	1	4	0	15	0	3	4	2	1	12	1	3	0	0	0	0	0	0	0	0	0
3	Electrical & Electronics	60	29	25	54	9	54	0	17	13	0	0	2	4	0	2	3	5	1	1	3	0	3	0	0	0	0	0	0	0	0	0	0	0
4	Electronics & Communication Engg.	120	42	43	85	10	85	0	21	29	0	0	5	4	2	1	2	1	8	3	0	1	1	3	3	1	0	0	0	0	0	0	0	0
5	Automobile Engg.	30	44	4	48	15	48	0	36	2	0	0	1	1	1	0	1	0	3	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0
6	Industrial & Production	60	23	15	38	25	38	0	20	11	0	0	1	1	0	0	0	0	0	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0
7	Computer Science & Engg.	180	79	101	180	11	179	1	65	75	0	0	4	3	0	1	2	1	2	10	1	3	1	5	4	3	0	0	0	0	0	0	0	0
8	Electronics & Instrumentation	60	19	42	61	2	61	0	14	34	0	0	1	2	1	0	0	0	3	2	0	1	0	2	0	1	0	0	0	0	0	0	0	0
9	Information Science Engg.	60	24	32	56	7	56	0	18	28	0	0	1	2	0	0	1	0	2	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0
		870	472	327	799	125	790	9	322	230	0	0	40	23	9	5	26	8	28	26	9	7	21	16	14	11	0	0	0	0	2	1	1	0

M=Male F=Female T=Total Kar=Karnataka Non-Kar=Non-Karnataka

### III Semester UG

Sl. No.	Course	Sanctioned Intake	Total No. of students admitted			Vac	No. of students belonging to																										
							GM		NRI/MGT		SC		ST		Cat I		Cat IIA		Cat IIB		Cat IIIA		Cat IIIB		Phy.Han		Ex.Ser						
			M	F	T		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F							
1	Civil	60	48	31	79		23	8			5	4	2	1	2	1	9	3	0	2	3	8	4	4	0	0	0	0	0	0	0		
2	Mechanical	120	120	5	125		55	3			12	1	3	0	5	0	17	1	3	0	8	0	17	0	0	0	0	0	0	0	0	0	
3	E & E	60	38	32	70		18	18			3	2	0	2	3	2	5	5	3	0	3	1	3	2	0	0	0	0	0	0	0	0	
4	E & C (aided)	60	38	40	78		17	24			5	4	4	1	1	2	7	6	0	1	2	1	2	1	0	0	0	0	0	0	0	0	
5	E & C (unaided)	30	18	20	38		14	14			2	1	0	2	0	0	2	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
6	Automobile	60	52	2	54		38	1			3	0	0	0	1	0	2	0	4	0	2	1	2	0	0	0	0	0	0	0	0	0	0
7	I & P	60	24	29	53		21	25			1	1	0	0	0	0	0	0	1	0	1	2	0	1	0	0	0	0	0	0	0	0	0
8	CS & E	60	37	42	79		29	27			2	2	2	0	1	1	3	2	0	1	0	7	0	2	0	0	0	0	0	0	0	0	0
9	IT	60	15	43	58		12	35			0	3	0	0	0	0	1	2	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0
10	IS & E	60	18	40	57		16	30			0	2	0	0	0	0	0	4	0	1	0	2	1	1	0	0	0	0	1	0	0	0	0
	<b>Total</b>	630	408	284	691	0	243	185	0	0	33	20	11	6	13	6	46	25	11	5	20	24	30	13	0	0	0	1	0	0	0	0	0

M=Male F=Female



**V Semester UG**

Sl.No.	Course	Sanctioned Intake	Total No. of students admitted			Vac	No. of students belonging to																						
							GM		NRI		SC		ST		Cat I		Cat IIA		Cat IIB		Cat IIIA		Cat IIIB		Phy.Han		Ex.Ser		
			M	F	T		M	F	San	Adm	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
1	Civil	60	42	49	91		27	19				3	6	1	0	2	3	4	6	0	6	3	4	2	5	0	0	0	0
2	Mechanical	120	104	9	113		67	5				8	1	1	1	3	0	15	0	3	0	4	1	3	0	0	0	0	1
3	E & E	50	27	28	55		12	16				5	4	0	1	0	0	5	5	1	1	2	1	1	0	0	0	1	0
4	E & C (aided)	60	45	35	80		28	21				4	3	0	1	2	1	5	3	0	1	0	3	4	2	2	0	0	0
5	E & C (unaided)	30	20	14	34		17	11				1	2	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
6	Automobile	50	43	9	52		34	3				2	3	1	0	2	0	1	2	1	0	1	1	1	0	0	0	0	0
7	I & P	50	23	17	40		18	11				1	1	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0	0
8	CS & E	60	31	41	72		21	29				3	3	0	1	2	1	0	3	2	0	3	1	0	3	0	0	0	0
9	IT	50	12	38	50		7	33				1	1	0	0	1	0	2	2	0	0	1	2	0	0	0	0	0	0
9	IS & E	40	13	21	34		9	17				0	2	0	0	0	0	4	1	0	0	0	0	0	1	0	0	0	0
	<b>Total</b>	<b>570</b>	<b>360</b>	<b>261</b>	<b>621</b>	<b>0</b>	<b>240</b>	<b>165</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>26</b>	<b>5</b>	<b>5</b>	<b>13</b>	<b>6</b>	<b>38</b>	<b>24</b>	<b>7</b>	<b>8</b>	<b>14</b>	<b>14</b>	<b>12</b>	<b>12</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>

M=Male F=Female

**VII Semester UG**

Sl.No.	Course	Sanctioned Intake	Total No. of students admitted			Vac	No. of students belonging to																						
							GM		NRI		SC		ST		Cat I		Cat IIA		Cat IIB		Cat IIIA		Cat IIIB		Phy.Han		Ex.Ser		
			M	F	T		M	F	San	Adm	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F			
1	Civil	60	52	30	82		29	16				4	4	1	0	3	1	4	4	6	0	1	3	4	2	0	0	0	0
2	Mechanical	120	103	5	108		58	3	0	0	0	13	2	1	0	1	0	17	0	5	0	4	0	4	0	0	0	0	0
3	E & E	50	29	27	56		17	16	0	0		2	4	1	1	1	0	7	3	0	0	0	1	1	2	0	0	0	0
4	E & C	90	42	66	108		35	40	0	0	0	4	8	0	2	3	2	0	7	0	2	0	2	0	3	0	0	0	0
5	Automobile	50	45	3	48		27	1	0	0	0	4	2	7	0	0	0	4	0	1	0	2	0	0	0	0	0	0	0
6	I & P	50	18	9	27		11	8	0	0	0	2	0	1	0	0	0	1	1	1	0	1	0	1	0	0	0	0	0
7	CS & E	60	32	41	71		27	28	0	0	0	2	2	0	3	0	0	1	4	1	1	0	1	1	2	0	0	0	0
8	IT	50	23	27	50		19	17	0	0	0	3	2	0	1	1	0	2	0	0	0	2	0	2	0	0	0	0	0
9	IS & E	40	16	22	38		9	21	0	0	0	1	1	3	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
	<b>Total</b>	<b>570</b>	<b>360</b>	<b>230</b>	<b>588</b>	<b>0</b>	<b>230</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>25</b>	<b>14</b>	<b>7</b>	<b>9</b>	<b>4</b>	<b>36</b>	<b>21</b>	<b>14</b>	<b>3</b>	<b>9</b>	<b>9</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

M=Male F=Female

### I Semester PG

Sl. No.	Course	Sanctioned Intake	Total No. of students admitted			Vac	No. of students belonging to																		
							GM		NRI		SC		ST		Cat I		Cat IIA		Cat IIB		Cat IIIA		Cat IIIB		Phy.Han
			M	F	T		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M
1	M.Tech. (DE&CS)	25	4	8	12		4	8			0						0	0							
2	M.Tech. (CADS)	18	10	5	15		7	3			2						1	2							
3	M.Tech. (CAID)	18	0	1	1		0	1			0						0	0							
4	M.Tech. (IAR)	18	7	3	10		6	3			0						0	0				1			
Total		124	22	17	39		18	15			2						1	2				1			

M=Male F=Female

FN: Foreign Nations

### III Semester PG

Sl. No.	Course	Sanctioned Intake	Total No. of students admitted			Vac	No. of students belonging to																			
							GM		NRI		SC		ST		Cat I		Cat IIA		Cat IIB		Cat IIIA		Cat IIIB		Phy.Han	
			M	F	T		M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	M.Tech. (DE&CS)	25	7	8	15		5	8					2													
2	M.Tech. (CAID)	18	5	9	14		5	7					1				1									
3	M.Tech. (CADS)	18	2	10	12		2	9					1													
4	M.Tech. (IAR)	18	4	2	6		4	2																		
Total		124	24	36	60	0	21	33	0	0	0	0	2	2	0	0	0	1	1	0	0	0	0	0	0	0

M=Male F=Female

FN: Foreign Nations

## 13. Faculty positions

Department	Rank	Post
Civil Engineering	Professor	5
Civil Engineering	Associate Professor	6
Civil Engineering	Assistant Professor	5
Mechanical Engineering	Professor	8
Mechanical Engineering	Associate Professor	4
Mechanical Engineering	Assistant Professor	16
Electrical & Electronics Engineering	Professor	5

Electrical & Electronics Engineering	Associate Professor	4
Electrical & Electronics Engineering	Assistant Professor	7
Electronics & Communication Engineering	Professor	2
Electronics & Communication Engineering	Associate Professor	4
Electronics & Communication Engineering	Assistant Professor	16
Industrial & Production Engineering	Professor	2
Industrial & Production Engineering	Associate Professor	4
Industrial & Production Engineering	Assistant Professor	4
Automobile Engineering	Professor	4
Automobile Engineering	Associate Professor	2
Automobile Engineering	Assistant Professor	3
Computer Science & Engineering	Professor	4
Computer Science & Engineering	Associate Professor	2
Computer Science & Engineering	Assistant Professor	7
Electronics & Instrumentation Engineering	Professor	2
Electronics & Instrumentation Engineering	Associate Professor	3
Electronics & Instrumentation Engineering	Assistant Professor	4
Information Science & Engineering	Professor	2
Information Science & Engineering	Associate Professor	0
Information Science & Engineering	Assistant Professor	6
Physics	Professor	1

Physics	Associate Professor	3
Physics	Assistant Professor	1
Chemistry	Professor	1
Chemistry	Associate Professor	3
Chemistry	Assistant Professor	2
Mathematics	Professor	2
Mathematics	Associate Professor	4
Mathematics	Assistant Professor	3

## 14. Transition rate of First year UG students

Total Students in Second semester (all branches)

Category	Male	Female
SC	40	23
ST	11	10
OBC	82	69
Others (including General)	338	226
All(Total)	799	

No. of students transited to Third semester clearing all papers of first year

Category	Male	Female
SC	7	10
ST	5	4
OBC	50	30
Others (including General)	96	
All(Total)	300	

## 15. Training Programmes held for students

### 1. Workshop on “Applications of Mathematics in E & C Engineering”

The department of Electronics and communication Engineering and Mathematics jointly organized the one day workshop on “Applications of Mathematics in E & C Engineering” for 4<sup>th</sup> semester EC& E students on 2nd May 2018. Dr. K. Gururajan was the Coordinator of the workshop. The resource persons were Dr. NarasimhaKaulgud, Professor of E & C Engineering and DrGnaneshwarSatapathi , Professor of E&C Engineering, NIE, Mysore, and Mr K. S. Prasad, a Certified Corporate trainer and technical consultant, Kaushalya Technological Training Centre, Bangalore. Four faculties and 115 students participated.

### 2. Workshop on “Sustainable Construction Practices”

The Department of Civil Engineering organized two days workshop on “Sustainable Construction Practices” on 3-4 May, 2018. Ms. DrushtiCoordinated the workshop. Shri. Rajesh Kumar M. Jain , Dr. G. S. Suresh, Professor from N.I.E. Mysuru, Dr. AjitSabnis, Project Consultant, Bengaluru, and Dr. S. Raghunath, Professor from B.M.S. College of Engineering, Bengaluru were the resource persons. About 70 participants registered in the workshop. 24 students from Govt. Engineering College, Hassan, 20 M. Tech students from MCE, 16 final year civil engineering students and 10 M. Tech students from AIT Chikmagaluru.



### **3. Workshop on “Professional and Personality Development (PPDP)”**

A programme was conducted on awareness among the students regarding build up confidence, human values and personality development and become successful in their life.

### **4. Workshop on “Self Compacting Concrete & its Engineering Applications”**

The department of Civil Engineering organized a Workshop “Self Compacting Concrete & its Engineering Applications” on 8- 9 May, 2018. Ms. Siri Hemanth Coordinated the workshop. Resource persons were Dr. S. Gisish, Shri. R, Raghunath, Dr. M. S. Sudarshan(Managing Director STEDRANT, Bangalore), and Mr.M.N. Ramesh(Managing Director and Mr. Karthik, Engineer, Talrak Construction Chemicals Pvt. Ltd. Bengaluru). About 78 participants registered in the workshop. 19 students from Govt. Engineering College and Rajeev Institute of Technology, Hassan, 22 M. Tech students from MCE, 37 U.G students from M.C.E., Hassan.



### **5. Technical talk on “Demonstration of Algorithm Design Techniques”**

The department Information Science and Engineering conducted technical talk on “Demonstration of Algorithm Design Techniques” for 4<sup>th</sup> semester students, on 09/05/18. A total of 55 students attended the workshop. Ms. H R Radha was the resource person.



#### **6. Technical talk on “An Introduction to Big Data Analytics”**

The department of Information Science and Engineering conducted special lecture on “An Introduction to Big Data Analytics ” for sixth & Eighth semester on 10/05/2018. The resource person for the workshop were Ms. Anitha .M (Software Engineer Free Lancer, Bengaluru).



#### **7. Workshop on “Writing Effective Course Outcomes”**

One day workshop on “Writing Effective Course Outcomes” was conducted successfully in Information Science and Engineering department on 13th July 2018. Twenty five faculty from various departments of our college participated in the workshop. Two resource persons Dr.Guruprasad H.S, Professor and Dr.Shambhavi B.R, Associate Professor, from BMS College of Engg, Bengaluru conducted the workshop.



#### **8. Workshop on “IoT and Cloud Computing with Integrated Application”**

Two days workshop on “Internet of things and Cloud Computing with Integrated Applications” for 7<sup>th</sup> semester students was organized by the department of Computer Science and Engineering on 24<sup>th</sup> August 2018 .



#### **9. Workshop on “Hands On for Android Application Development”**

Two days Hands on workshop on “Android Application Development” was organized by the department of Computer Science and Engineering on 24<sup>th</sup> August 2018 for 5<sup>th</sup> Sem CS&E students.





#### 10. Workshop on “Computer Hardware and Troubleshooting”

The department of Computer Science and Engineering conducted two days workshop on “Computer Hardware and Troubleshooting” for 3<sup>rd</sup> semester students from 27/08/18 to 28/08/2018. A total of 55 students attended the workshop. Mr. Nijash K. and Ratheesh V. were the resource persons.



## 11. Workshop on “Design thinking an Alternate Approach for Problem Solving”

One day Student Training program (STP) on “Design thinking an Alternate Approach for Problem Solving ” was organized by the department of EE Engineering on 1<sup>st</sup> September 2018. **Mr. Giriprathivadhi** was the resource person .



## 12. Workshop on “Microservices in Java

Third and Fifth semester students of the department of IS&E participated in the two day workshop on “Microservices in Java” held during 01/09/2018 and 02/09/2018 at the department of Information Science and Engineering. The resource person for the workshop were Mr. Ganesh Balasubramanya(Lead Developer, Australia New Zealand Banking Group, Bangalore) and Mr. Shreyas S., Network Engineer( Cisco, Bangalore).



### **13. Workshop on “Real time analysis of systems using MATLAB”**

Three days Student Program (STP) on "Real time analysis of systems using MATLAB" was organized by the department of Electrical and Electronics Engineering on 1<sup>st</sup> - 3<sup>rd</sup> October 2018 Resource persons were Mr. PramodkumarNaik( Senior Application Engineer) and Mr. Manishankarpalaniswamy, Application Engineer from CoreEL Technologies.



### **14. Students training on “Internal Auditor Training On Quality Management Systems ISO 9001:2015”**

On 11<sup>th</sup> and 12<sup>th</sup> October, 2018, the department of Industrial and Production Engineering organized training program for the final year students. The resource persons were Mrs. PremaK.S(Consultant and trainer, SIRI Consultancy Services) , Mr. Narasimha Prasad (Trainer and Consultant, Global quality training & assessors pvt. Ltd), Mr. Janakinath AG( Chief auditor, ACM Certification Private Limited) , and Mr. Narasimha Prasad (Trainer and Consultant, Global quality training & assessors pvt. Ltd).



### **15. Workshop on “Recent Innovative Technologies in Communication”**

One day Symposium on “Recent Innovative Technologies in Communication” with academic partner IEEE Comsoc Bangalore Chapter on 13th October, 2018. More than 125 participants registered to this event and the symposium was conducted successfully.



## 16. Report on “Technical Talk on Technomatix Plant Simulation”

Technical talk and hands on training using Technomatix plant simulation software was organized for the students of Sixth semester, Industrial and Production Engineering. The talk was given by Prof. Sharath Chandra H.S., Assistant Professor, Department of Mechanical Engineering, NMAMIT, NITTE.



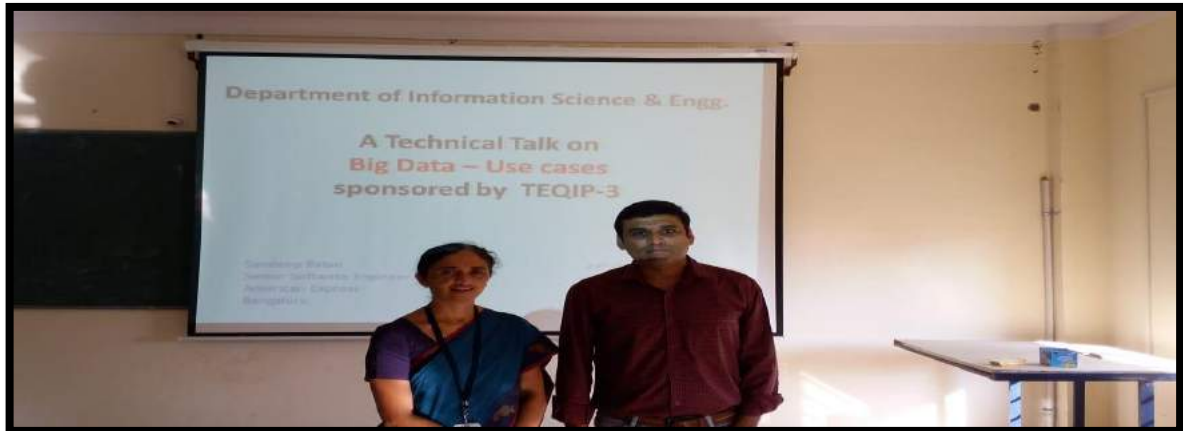
## 17. Workshop on “Creating Database Applications”.

The department of Information science and Engineering successfully conducted 2days workshop title “Creating Database Applications” for 5th and 7thsemester students, held on 13/10/18 and 14/10/2018. A total of 50 students attended the workshop. Mr. Kiran C.M. and Omkar were the resource persons.



### **18. Technical Talk on “Big Data - Use Cases in Industry”.**

The department Information science and Engineering successfully conducted Technical talk on “Big Data - Use Cases in Industry” for 7<sup>th</sup> semester students, on 29/10/18. A total of 45 students attended the workshop. Mr. Sandeep Ratan the resource person.



### **19. Workshop on “Next Generation Optical communication Systems”**

Two days Workshop on “Next Generation Optical communication Systems” with academic partner IEEE Photonics Bangalore Chapter during 12<sup>th</sup> - 13<sup>th</sup> November, 2018. Around more than 40 participants registered to this event and the workshop was conducted successfully.



## 20. Workshop on “Advanced Web Development with SEO and digital photography”.

Workshop on “Advanced Web Development with SEO and digital photography” on 22nd and 23rd February 2019 for the students of 6th semester.

The workshop had Mr. Praveen and team from Edulife, Bangalore as speakers and received an overwhelming response from participants. Whole workshop is coordinated by Dr B Ramesh, Professor Dept of CS&E.



## 21. Students Training on “3D Printing”

The department of industrial production and Engineering organized a training program on 3D printing during 27<sup>th</sup> and 28<sup>th</sup> February 2019. The key note address was given by Mr. Anand . The resource persons were Mr. SreeRajendra (Associate Professor, Dept. of IA&R, MCE, Hassan) , Mr. Anand A and Mr. S.M. Hayath (Design Engineer, Youth Tech, Mysuru) and Mr. Gurumurthy N (Design Engineer, Adroitec, Bengaluru)



## **22. Invited talk on “Urban and Rural Planning”**

The Department of Civil Engineering, Malnad College of Engineering Hassan organised invited talk on 13<sup>th</sup> April 2019 for the benefit of Final Year Civil Engineering students . The speakers were Dr. Shankar( Professor of Urban and Regional Planning, School of Planning & Architecture, Manasagangothri, University of Mysore), and Shri. Murali T. V(Joint Director of Town & Country Planning, Department of Town & Country Planning, Govt. of Karnataka, Bengaluru)



## **23. Student Training Programming On “Effective C++ Programming from Industry Perspective”**

Department of Electrical and Electronics Engineering organized a two days Student Training Programme on ‘Effective C++ Programming from Industry Perspective’. The sessions were handled by Ms. Manavi S. M. and Shashank C. M( Associate Consultants, All State Solutions,Bengaluru).





## 11. Faculty Development Programme Conducted

### 1. One week faculty development programme on “ Total Quality Management ”.

One week faculty development programme on “ Total Quality Management ” was held from 28-05-2018 to 01-06-2018 for Interdisciplinary engineering branches , arts , research scholars ,post graduate students organized by Industrial and Production engineering Department , Malnad College of Engineering, Hassan. The resource persons were Mr. Dr G.N. Mohan babu ,Dr S Shivakumar , Mr R Jagadeesha, and Mr V Mallikarjun .On 30-05-2018 industrial visit to S K F pvt ltd and CIPET INDIA ltd Mysore, was arranged.



### 2. FDP on “Machine Learning”

Five days Faculty Development program on “Machine Learning” was conducted from 28<sup>th</sup> June to 2<sup>nd</sup> July 2018. 51 participants (22 external participants including two faculties from Erode, Tamilnadu) registered and participated in the FDP. The Resource persons were Dr. Ashok Rao, Dr. ArunlalanRajan , Dr. Noushathshaffi , Mr. Sandesh Kamath, and Dr. Mohammad Imran.



### 3. Program on 'Being a Great Teacher'(3<sup>rd</sup>-4<sup>th</sup> November 2018)

Two days of faculty training program is intended to provide opportunity for practicing faculties to upgrade their knowledge on soft aspects of handling students, their roles and responsibilities as a Teacher.P. Satish, saraswati training services, Bangalore, was the speaker.



### 4. Workshop on “Training the Proctor for Effective Counselling”.

The committee members, proctors and coordinators of the committee on women safety, security and grievance redressal participated in the one day workshop titled “Training the Proctor for Effective Counselling” held on 23/03/2019. The venue for the workshop was The Hoysala Village Resort, Hassan. The resource persons for the workshop were, Dr. Suneetha K.S, Psychiatrist, Mani Hospital, Hassan and Dr. Nirupama Kiran, Psychiatrist, Hassan.





15	Shriram Transport Finance Ltd	02	-	0 1	0 1	03	11	04	0 1	01	-	-	24
16	Subex	-	-	-	--	-	-	-	-	-	-	-	00
17	Workfusion	03	06	0 1	-	-	-	-	-	-	-	-	10
18	Cognizant	-	-	-	0 1	-	-	-	-	-	-	-	01
19	Pinclick	-	03	-	0 1	-	09	01	-	-	-	-	14
20	Triphase Technologies (P) Ltd	03	-	-	-	-	-	-	-	-	-	-	03
21	Infosys	04	03	0 1	0 3	-	02	-	-	-	-	-	13
22	Subex	-	01	-	-	-	-	-	-	-	-	-	01
23	Simeio Solutions	-	01	0 2	-	-	-	-	-	-	-	-	03
24	Hcl	03	01	-	-	-	-	-	-	-	-	-	04
25	Inventeron Technologies	01	-	-	-	-	-	-	-	-	-	-	01
26	Lowels	-	01	0 1	-	-	-	-	-	-	-	-	02
27	Sloki Technologies	04	-	-	0 1	-	-	-	-	-	-	-	05
28	Qspiders	03	02	-	-	02	04	-	-	-	-	-	11
29	Noesys Software Pvt Ltd	-	-	0 1	-	01	-	-	-	-	-	-	02
30	Wipro	-	-	-	0 1	01	-	-	-	-	-	-	02
31	VeeTechnologies	-	-	-	-	-	04	-	-	-	-	-	04
32	Tdps	-	-	-	-	04	02	-	-	-	-	-	06
33	PRDC (Results Awaited)												
34	Elcamino	02	01	-	-	-	03	-	0 1	-	-	-	07
35	Shahi Exports	-	-	-	-	-	-	-	0 4	-	-	-	04
36	Spur Tree Technologies	02	01	-	-	-	-	-	-	-	-	-	03
37	Turbosteel	-	-	-	0 1	01	03	-	-	01	-	-	06

38	Integrated Systems Control	01	-	-	-	-	-	-	-	-	-	-	01
39	Veeron Energy India	01	-	-	-	-	-	-	-	-	-	-	01
40	People Mechanics	-	-	-	-	-	01	-	-	-	-	-	01
41	Customised Technologies	-	-	-	-	-	04	-	-	-	-	-	-
42	Wolken Software	-	03	-	-	-	-	-	-	-	-	-	03
43	Mphasis	02	-	-	-	-	-	-	-	-	-	-	02
	Total	83	59	3 2	0 9	16	51	04	0 7	02	01	-	264

#### 14. List of Research Scholars registered for Ph.D. during 2018-19

##### Civil Engineering

Ph.D.				
1.	Hemanth R	2019	Dr A J Krishnaiah	Development and Durability studies on soil based self compacting concrete.
2.	Goutham D R	2019	Dr A J Krishnaiah	Behaviour of Expensive Soil Stabilized with coir fiber and BAGASSE ash

##### Electrical & Electronics Engineering

Ph.D.				
1.	Manjunath(FT)	2018	Dr. H. N. Suresh	Parameters Extraction Technique for Photo-Voltaic models and their Performance Assessment Studies
2.	Dhaval R.K.	2018	Dr. H. N. Suresh	Development of Optimal Hybrid Renewable Energy Model for the chosen Remote Areas
3.	Sushma. N.	2019	Dr. H. N. Suresh	Design and Performance Analysis of Label-free Biosensor Involving Photonic Crystal Based Ring Resonator for Environmental Pollutants Detection
4.	Shruthi K H	2019	Dr. Rajanna S.	Optimal design of FET based Grid Connected Inverter

5.	Neethu V S	2019	Dr. N. S. Jyothi	Investigation on impact of electric vehicles on the Grid.
6.	Arjun G T (FT)	2019	Dr. N. S. Jyothi	Design and Implementation of control strategies for induction motor driven electric vehicle.
7.	Varaprasad N L	2019	Dr. Rajanna S.	Development of integrated solar-wind based charging station for plug-in Hybrid vehicle.
8.	Sandeep N R	2019	Dr. M. S. Raviprakasha	Hybrid AI based control algorithm for autonomous electric vehicles

### Electronics & Communication Engineering

<b>Ph.D.</b>				
1.	Yashaswini P.R.(FT)	2018	Dr. P. C. Srikanth	Encapsulation of Graphene based batteries for storing high capacity material in nanoplasmonic range

### Automobile Engineering

<b>Ph.D.</b>				
1.	Srinivas B.N. (FT)	2018	Dr. M K Ravishankar	Performance study of single cylinder C.I. engine using fuel additives
2.	Kiran.R. Gardimani	2019	DrBasavaraju A N	Experimental investigation on Mechanical and Thermal Properties of Metal Matrix Composites

### Industrial & Production Engineering

<b>Ph.D.</b>				
1.	Mr. Ganesh Ramachandra Panchal (FT)	2018	Dr. Srinath. M.S.	Development of Al based composite by stir casting process using microwave energy
2.	Praveen D	2019	Dr Y Arunkumar	Geometrical complexities, defects analysis and optimization in rolling process.
3.	Rajeshkumar M S	2019	Dr Y Arunkumar	Metal flow analysis die filling behaviour and defects analysis in high pressure die casting.

### Computer Science & Engineering

Sl. No.	Name of the Candidate	Year	Name of the Guide	Title of Research Work
1.	Sunitha. P.	2018	Uma. B.	Crop Yield enhancement by detecting micro nutrient deficiency in plants/crops- A machine learning approach
2.	Pushpalatha R (Transferred From VTU RRC)	2019	Dr Ramesh B	Optimization technique for power consumption based on load prediction gratifying SLA in Cloud Computing

### Electronics & Instrumentation Engineering

M.Sc. Engg. by Research				
Sl. No.	Name of the Candidate	Year	Name of the Guide	Title of Research Work
1.	Aditya M Puranik	2019	DrG.Shivakumar	Context based classification of text data using deep learning.
Ph.D.				
1.	Shreedevi P(FT)	2019	Dr. H S Mohana	Photonic Crystal Hexagonal ring resonator based pressure sensors
2.	JnanaSwaroop K R	2019	DrG.Shivakumar	Analysis of multi person gait using discriminative undirected probabilistic graphical model

### Mathematics

Ph.D.				
Sl. No.	Name of the Candidate	Year	Name of the Guide	Title of Research Work
1.	M Somashekar	2019	DrKalavathi G K	Numerical approach for the study of varying porosity in a finite geometry

### 15. Completed Ph.D. during 2018-19

Ph.D.					
Sl. No.	Name	Reg	Comp	Guide Name	Title
1.	R G Deshpande (Re-reg)	2006	2018	Dr. K. A. Venugopal	Machining with Cryogenically Treated Carbide Cutting Tool Inserts.

2.	Jeevan T P	2012	2018	Dr. S. R. Jayaram	Comparative Studies on the Machining of AA6061 and AISI 304L using Non Edible Vegetable Oil as Straight Cutting Fluid.
3.	Yuvaraja P K	2010	2018	Dr. K. Gururajan/ Dr. Gurubasavaraj	A New Roughness Theory to study the Effect of Surface Roughness in Porous Squeeze Films
4.	AttelManjunath	2006	2018	Dr. D. V. Girish	Vibration and Acoustic Studies on Polymer Bearings.
5.	Ajith H	2012	2018	Dr. Jayantha	Removal of oil and grease from waste water using laterite as absorbent material
6.	ShashankLingappa M (FT)	2014	2019	Dr. Srinath M. S. /Dr. Amarendra. H. J	Melting of metallic materials using microwave energy and its characterization
7.	Mohanalakshmi J	2013	2019	Dr. H. N. Suresh	Sensor less Vector Control of Induction Motor Drives

## 16. Research and Development

### Patent Filed

**Title of Invention:** Plants Dry Stem Waste Nano Fiber Reinforced Polymer Composites

**Application No:** 201941008534 dated: 05/03/2019.

**Applicants Name:** Dr. G. Hemath Kumar, Mr. H. Mohit, Dr. Sanjay Mavinkare Mr. H.Babu Vishwanath and Dr. Yogesha

### Patent Granted

**Indian Patent:** Apurbba Kumar Sharma, **Srinath M.S.**, Pradeep Kumar, "A Method of Joining of Bulk Metallic Materials by Microwave Hybrid Heating" **Patent No. 309058.**

## 17. Publication Details

### Department of Civil Engineering

International Journals	08
International Conferences	11
National Conferences	01



### **Department of Mechanical Engineering**

International Journals	15
International Conferences	02
Book Chapters	01

### **Department of Electrical and Electronics Engineering**

International Journals	06
International Conferences	09
Books	01

### **Department of Electronics and Communications Engineering**

International Journals	20
International Conferences	10

### **Department of Automobile Engineering**

International Journals	06
International Conferences	02
National Conferences	04

### **Department of Industrial and Production Engineering**

International Journals	10
International Conferences	06
National Conferences	01

### **Department of Computer Science and Engineering**

International Journals	02
International Conferences	05
National Conferences	02

### **Department of Electronics and Instrumentation Engineering**

International Journals	01
International Conferences	08

### **Department of Information Science and Engineering**

International Journals	01
International Conferences	02

### **Department of Mathematics**

International Journals	04
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## **18. Conferences conducted**

1. Three days International conference "Green Trends in Mechanical Engineering Sciences", from 3<sup>rd</sup> Oct to 5<sup>th</sup> Oct, 2018, organized by Mechanical Sciences, MCE and Mechanical Department, Jorhat College of Engineering, Assam at Hotel Ashok, Hassan.

2. Two day Fifth National Conference on Multimedia Technology and Communication System -2019, on 10<sup>th</sup> Jan and 11<sup>th</sup> Jan, 2019, organized by Computer Science and Engineering Department.

## **19. Sponsored R & D project**

- VGST sponsored project on going titled "A Distributed Parameter Electromechanical model for Cantilevered Piezoelectric Energy Harvester with shape memory alloy", Dr. Kalavathi, Assistant Professor, Department of Mathematics.
- Karnataka State Council of for Science and Technology sponsored projects 2018-19

<b>Sl. No.</b>	<b>Name of the Project</b>	<b>Department</b>	<b>Amount Sponsored (Rs.)</b>
1.	A smart system for detection of rotten apples	Electronics And Instrumentation Engineering	6,500
2.	Design and development of vacuum leaf collector	Industrial And Production Engineering	7,500
3.	Experimental investigation of convectional	Mechanical Engineering	6,000

	heat pipe using various working fluids		
4.	Design and analysis of fixture for flange drilling operation using screw jack mechanism	Mechanical Engineering	7,000
5.	Zero waste bio-fuel: production of biodiesel and fuel briquettes from sal seed oil and fronds	Civil Engineering	6,000
6.	Intergrated novel 3d electrocoagulation and advanced photo anatase treatment for the colour reduction of textile wastewater	Civil Engineering	7,000

## 20. Consultancy Projects

Sl. No.	Clients	Materials
1	PUBLIC WORKS DEPT (ALL)	Soil testing and Building Construction materials
2	ZILLA PANCHAYATH	Soil testing and Building Construction materials
3	KSRTC	Soil testing and Building Construction materials
4	KRIDL	Soil testing and Building Construction materials
5	HPCL	Soil testing and Building Construction materials
6	SOUTH WESTERN RAILWAY	Soil testing and Building Construction materials
7	ISRO	Soil testing and Building Construction materials
8	NATIONAL DAIRY DEVELOPMENTS	Soil testing and Building Construction materials
9	IRRIGATION DEPT.	Soil testing and Building Construction materials
10	RITES, HASSAN	Soil testing and Building Construction materials
11	GKC, HASSAN	Soil testing and Building Construction materials
12	KUWS&DB, HASSAN	Soil testing and Building Construction materials
13	OCEAN, BANGALORE	Soil testing and Building Construction materials

## 21. Awards and Recognitions

- Won the best project award for “**COMBINED PHYSICO-CHEMICAL TREATMENT FOR THE COLOUR REDUCTION OF TEXTILE WASTEWATER** “ for final year of Civil Engineering students Ms. RANJITHA K M., Ms. HARSHITHA T., Ms. ARSHITHA H P., Ms. CHAITHRA V B, Guided by Mr. Kishor Kumar S, Assistant Professor, Department of Civil Engineering, during the Seminar and Exhibition of Student Projects – 41st SERIES: 2017-18 held on 10<sup>th</sup> and 11th August 2018 at Bapuji Institute of Engineering and Technology, Davanagere by KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY, Indian Institute of Science Campus, Bengaluru - 560 012
- Gold Medalists for the year 2015-2019 Batch

#	Branch	USN	Name	CGPA
1.	Civil Engineering	4MC15CV019	HITHASHREE M.N	9.78
2.	Mechanical Engineering	4MCQ15ME067	NITHIN KRISHNA N	9.1
3.	Electrical & Electronics Engineering	4MC15EE013	C.V. SWAPNA	9.05
4.	Electronics & Communication Engineering	4MC15EC013	BINDUSHREE H.N	9.5
5.	Automobile Engineering	4MC15AU033	SATISH MENASAGI	8.96
6.	Computer Science & Engineering	4MC15CS059	VIDHYA SURESH	9.37
7.	Electronics & Instrumentation Engineering	4MC15EI047	TEHREEM SYEDA	8.5
8.	Information Science & Engineering	4MC15IS036	SWATHI GOUDAR	9.3

- MTES®, Best Outgoing Students: 2015 - 19 Batch

	USN	Student Name	Sponsored Name
1.	4MC15ME067	Nithin Krishna N.	Sri. Sardhar Venkata Ramaiah Memorial
2.	4MC15EC027	Harshitha J.	Sri. A.G. Ramachandra Rao. Memorial

- MTES®, Gold Best Out Going Sportsman Award

	USN	Student Name	Sponsored Name
1.	4MC15CS001	Abhishek Gowda D.N	Sri. G.L. Nallure Gowda Memorial

### Best Projects 2018-19

Sl.No.	Branch Code	Name of the Students	USN	Project Title
1.	CV	Sindhu H.B Hagenari Nishanth Gowda K.M Akshay G.	4MC15CV056 4MC15CV017 4MC15CV412 4MC15CV004	Performance study on application and validation of low cost pilot scale and eco friendly treatment for dairy wastewater
2.	MECH	Ashwin Kumar R Bharath K.B Mithun Dinesh Kodse Praveen S.C	4MC15ME011 4MC15ME016 4MC15ME060 4MC15ME407	Design & Fabrication of Multipurpose 3-axis vice for Re-sharpening of single point cutting tool and Light milling works
		Fair Ur Rahman Koushik P Manoj Kumar S.K Chandan K	4MC15ME030 4MC15ME046 4MC15ME058 4MC15ME401	Automation of Pipe Cutting Machine
3.	E&E	Rohini M.K Varshini Shankar B.R.Janhavi Sonali Varghese	4MC15EE044 4MC15EE052 4MC15EE009 4MC15EE048	IoT Based Control System for Street Lighting
4.	E&C	Bindushree H.N Bhavana K.L Harish B.Y Arun Kumar D.M	4MC15EC013 4MC15EC010 4MC15EC025 4MC15EC007	Multifunctional Robotic Vehicle for Agricultural Application
5.	AUTO	Yaseen Khan H.S Aniruddha R Nagarjun M Sachin B.C	4MC14AU053 4MC14AU011 4MC16AU409 4MC16AU410	Design and Analysis of roll cage, steering and suspension of an HEV
6.	I&P	Sagar B.H Priya S.V. Sindhu S Anusha H.J	4MC15IP016 4MC14IP023 4MC16IP409 4MC15IP004	Wi-Fi Controlled cleaning and mopping device
7.	CS	Anirudhlyengar Shashank M.G	4MC15CS010 4MC15CS050	Patient Diagnosis System with Augmented Reality

		Nishanth B.M Vijay Kothari	4MC15CS031 4MC15CS060	
8.	EI	Ranjini G.R SushmaS.Kerur Abhilash J.A Adarsh H.S	4MC15EI030 4MC15EI045 4MC15EI001 4MC15EI013	MEMS Accelerometer based an electronic security system for riders engaged in Mobile
9.	IS	Aditya A MeghaPriya K.C Meghana H.R Shamantha B.K	4MC15IS001 4MC15IS015 4MC16IS400 4MC16IS401	Book Hub

## 22. Financial Information

Revenue Earned from	Amount (Rs.)
Fees from student	15,55,29,768
External Funded R&D projects	5,00,000
Consultancy/Testing etc.	21,31,992
Financial (interest earned from bank accounts etc.)	37,556
All others	12,70,14,229
<b>Total</b>	<b>28,52,13,545</b>