



*In the loving memory of our Founder Chairman
Shri. S. Narasa Raju Garu*

VISION

To be a respected and most sought after Engineering Educational Institution engaged in equipping individuals capable of building learning organizations in the new millennium.

MISSION

To develop competent students with good value system to face challenges of the continually changing world.

QUALITY POLICY

To equip the students with highest standard of education, knowledge and ethics. To prepare them to meet the challenges of life with full confidence. Aim at all-round development of the personality to be useful citizens.

ಆಕ್ಕಿರೈನ್ 2018

Vol XIV



THE OXFORD COLLEGE OF ENGINEERING

(Recognised by the Govt. of Karnataka, Affiliated to VTU & Approved by AICTE)

Accredited by National Assessment and Accreditation Council (NAAC)

Accredited by National Board of Accreditation (NBA)

Accredited to International Accreditation Organization (IAO)

Bommanahalli, Hosur Road, Bangalore – 560 068

Tel : 080 - 3021 9601/ 02 Fax : 080 - 2573 0551

www.theoxford.edu



VAJUBHAI VALA
Governor of Karnataka

No. GS 93 MSG 2018

MESSAGE

I am happy to know that 'The Oxford College of Engineering', Bangalore is bringing out a College Magazine "OXYZINE - 2018" to highlight talents and achievements of students in the Institution.

I am sure the members of the Institution will work hard to maintain the standards. I wish the editorial team and students a grand success.

(VAJUBHAI VALA)



H.D. KUMARASWAMY
CHIEF MINISTER



VIDHANA SOUDHA
BENGALURU - 560 001

cm/ps/26/2018

Date: 04-08-2018

MESSAGE

I am very happy to note that The Oxford College of Engineering is bringing out its Annual College Magazine **OXYZINE – 2018** to commemorate its College Event.

Education is the passport to the future, for tomorrow belongs to those who prepare for it today and I believe this institute prepares its students for a bright tomorrow.

I wish all the students, the teaching and non-teaching faculty of The Oxford College of Engineering all success in their endeavours.


(H. D. KUMARASWAMY)

The Principal,
The Oxford College of Engineering,
Bommanahalli,
Hosur Road,
BENGALURU – 560 068.



G.T.DEVEGOWDA
Minister for Higher Education



Tel. No. 080-22251568
Internal : 22033426
Room No. 344-344/A
Vidhana Soudha
Bengaluru-560001

No.H.E.M/Message/160/2018

Date: 07.08.2018

MESSAGE

Dear sir,

I pleased to know that the Oxford college of Engineering is releasing its "OXYZINE-2018 volume XVIII college magazine.

Oxford college of Engg has played a pivotal role in promoting quality higher education to the different section of the society.

It is good to know the objective in releasing the student magazine is to bring together innovative ideas and sharing knowledge from students of the different branches to a common forum. It else motivating and encouraging the students so that their ideas are expressed in the way of publishing college magazine.

I appreciate the Oxford college of Engineering for publishing students magazine and wish them all success.


(G.T. DEVEGOWDA)

Principal
The Oxford College of Engineering
Bommanhalli, Hosur Road,
Bengaluru.



Visvesvaraya Technological University

"Jnana Sangama"

Belagavi - 590 018, Karnataka State.

Dr. Karisiddappa, B.E.M.Tech., Ph.D.
Vice Chancellor

Phone : (0831)2405454
Fax : (0831)2405456

Ref. No.: VTU/VCS/2018-19/ 108

Date: 07-08-2018

MESSAGE

I am pleased to note that the Oxford College of Engineering, Bengaluru, is bringing out the XIV volume of its College Magazine "OXYZINE - 2018".

I wish all the best to the College which is playing a prominent role in promoting quality technical education to different sections of the society since the year 2000.

I wish the Magazine "OXYZINE" to put in lime-light, the latest trends in Engineering and Technology, current affairs and constructive views, which provides a platform for an individual to build a sound career.

I wish all the best to the students and teaching faculty involved in bringing out the magazine.


Dr. Karisiddappa
Vice Chancellor

To,
The Principal,
The Oxford College of Engineering,
Bommanahalli, Hosur Road,
Bengaluru - 560 068.



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

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

Registrar

Ref No.: VTU/PS/2018-19/ 3523

Date: 1 AUG 2018

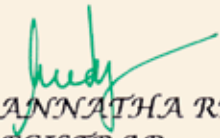
MESSAGE

I am glad know that, The Oxford College of Engineering, Bengaluru is bringing out a college magazine "OXYZINE-2018 Vol. XIV".

It is matter of pride to note that, the college was established in the year 2000 and imparting the Quality Technical Education and to inculcate in the minds of students a sense of value.

The college magazine is a perfect blend of literary articles, art, photography and wonderful memories of students which reflects their creativity and potential. I take this opportunity to wish you all success in your endeavor and wish to see your college as a centre of excellence in the near future and enhance the image to grow to newer heights.

My best wishes to the Management, Principal, Faculty, Non-teaching staff, Editorial team and also the students of this college & congratulate for their efforts in bringing out this Magazine.


Dr. H.N. JAGANNATHA REDDY
REGISTRAR



Message from the **Chairman**

The current issue of Oxyzine 2018 is a pool of potentials of the venture contemplated by the faculty and students who have dedicatedly been involved for exposition of their creative and artistic trait besides perceptions and projection of their literary talents for fulfillment of their missions. All the articles are immensely beneficial in pursuit of achieving excellence and for enlightenment of readers leading to multiple frontiers. It also reflects the multifarious beyond curricular activities crept in the College to emerge as a significant player in the technological education landscape focusing the character building.

SNVL Narasimha Raju

SNVL NARASIMHA RAJU

Chairman, Children's Education Society® &
The Oxford Educational Institutions



Message from the Director

Glad to note that The Oxford College of Engineering (TOCE) is coming up with its 14th Volume of annual college magazine 'Oxyzine'. It is obvious that the magazine encapsulates the achievements of the college both academic and non-academic across its departments. Being one of the largest Engineering College permanently affiliated to Visvesvaraya Technological University (VTU), TOCE has carved a niche for itself in the horizon of Higher Education not only in the State of Karnataka but also in the country. The same is evident from the fact that TOCE is accredited by the National Board of Accreditation and also National Assessment and Accreditation Council. Obviously these accreditations are strong indicators towards the robust teaching learning and the academic environment offered in the college. Ample evidence towards the holistic nurturing of the students is obtained from the various ranking surveys conducted by reputed magazines and periodicals wherein TOCE is ranked amongst the 'Top 10' Institutions in the state of Karnataka.

From the Editorial Team I understand that the college has organized a plethora of Extra/Co-curricular activities such National Conferences, Workshops, Faculty Development Programs, Seminars and expert lectures from eminent personalities. Also the College has bagged several ranks under the VTU of which it bagged 1st Rank and Gold medal in Architecture. It's indeed heartening to note that the first doctoral student was conferred with the Degree of Doctor of Philosophy during its 17th Annual Convocation by VTU. The college is also Champions in VTU All Zone (Men) Kabaddi Championships. It has also bagged several awards and medals in events organized not only by VTU but several other Engineering Institutions affiliated to VTU. All this is possible only with the unstinted support of our beloved Chairman Shri S N V L Narasimha Raju. His proactive leadership and forward thinking have contributed immensely across the Group.

The editorial committee has compiled these achievements of TOCE meticulously and its effort is strongly appreciated. I wish TOCE the Best in all its endeavours and urge that it scale greater heights with enhanced conviction and dedication.

Dr. NAGARAJ RAMRAO

Director, The Oxford Educational Institutions

Message from the Principal



Nurturing creativity and inspiring innovation are two of the key elements of a successful education, and OXYZINE 2018, a college magazine is the perfect amalgamation of both. It harnesses the creative energies of the academic community, and distils the essence of their inspired imagination in the most brilliant way possible.

TOCE is approved by AICTE, New Delhi and affiliated to Visvesvaraya Technological University, Belagavi. TOCE is accredited by NAAC and IAO. NBA has extended its accreditation for 3 years till 2020-2021 for the departments of CSE, ISE and EEE. The Pre-qualifiers of the departments of ECE, ME, BT, CV, AUTO and MTE have been approved by NBA and they are in the process of submitting SAR. 8 courses were approved by AICTE – PMKVY (Pradhan Mantri Kaushal Vikas Yojna).

Nine Students have secured rank in the UG and PG courses during the academic year 2016-17. The first batch of The Oxford School of Architecture passed out in 2017-18 with flying colors bagging the First Rank and Gold Medal from Visvesvaraya Technological University. National Conference of Science, Engineering and Management supported by Visvesvaraya Technological University and IEEE was organized on 24th and 25th May 2018 in which faculty and students across the Nation have participated and appreciated the deliberations. Around 250 projects /posters were presented during this event.


During the academic year 2017-18, we have four ongoing sponsored research projects worth about 50 Lacs across the departments i.e from VGST, ICMR and two from prestigious AICTE, New Delhi. Apart from this, six students Projects were sanctioned by KSCST to take up research activities across the departments. Student of Mechatronics invented a device to help those paralysed speak up and Secured 1st Place in 'Masterpiece 2017' competition held at Dubai. Dr. Reema Sharma, Research Scholar at Dept. of ECE, TOCE, has obtained first Ph D from our VTU Reserach Centre. Dr. B K Manjunath, Professor and HOD of BT, Dr. Preeta Sharan, Professor of ECE and Dr. Saravana Prasad, Professor and HOD of CSE have filed a patent. Students are motivated to publish their publications in Intercollegiate and Intra-department conferences, workshops symposiums etc., Faculty are very much active with external agencies. Many FDPs, MDPs and Workshops were conducted for our faculty to enrich their knowledge. Our faculty are the Resource Person, BOE and BOS Chairman and Members at VTU.

To show our social responsibility, many innovative projects were invented by the students and the students are also very active in community activities. We do use renewable energy in the campus and spread hygiene awareness in the campus. In this magazine we have some glimpse pictures of us celebrating Science Day, Sadbhavana Diwas, Earth Day, Karunada Utsava, Road Safety Day, Engineers Day, Teachers Day, International Yoga Day etc., We can also see the pictures of Oxford Run 2017 (Oxford Marathon) : A 5K and 10K Run " Save Mother Earth - Run for Earth and the pictures of conducting Blood Donation Camp, Eye Clinic and we can also see the act of kindness to needy people by our active NSS team.

The Oxford College of Engineering has bagged Ranks in various magazine during 2018. To state a few, CAREERS 360 rated TOCE as AAA, TIMES OF INDIA- TIMES ENGINEERING INSTITUTE RANKING ranked TOCE as 5th Among Top Engineering Institutes in Bengaluru and 29th Amongst Top 50 Institutes - Research Capabilities. India Today ranked TOCE in 133 place among top colleges on India. OUT LOOK ranked 9th among top ten private colleges in Bengaluru. The Week ranked TOCE as 4th amongst top private engineering colleges - South Zone and DQ0CMR Survey ranked 4th among top private T Schools in Bengaluru.

We are proud to host VTU Bengaluru Central Zone Intercollegiate Kabaddi Tournament and the students of TOCE bagged the Winner Title of Central Zone - Kabaddi - Men.

I wish all my students and faculty to excel more in coming years in Academics, Research & Publications, create a very conducive environment to learn, share, disseminate knowledge at global level.


Dr. R.V. Praveena Gowda
Principal
The Oxford College of Engineering
Bommanahalli, Hosur Road
Bengaluru-560 068

Magazine Rankings 2018



THE TIMES OF INDIA

**TIMES ENGINEERING INSTITUTE
RANKING SURVEY 2018**

5th Rank	AMONGST FIVE TOP ENGINEERING INSTITUTES IN BENGALURU
5th Rank	AMONGST FIVE TOP PRIVATE ENGINEERING INSTITUTES IN BENGALURU
29th Rank	AMONGST TOP 50 INSTITUTES-RESEARCH CAPABILITIES
40th Rank	AMONGST TOP 100 PRIVATE ENGINEERING INSTITUTES
55th Rank	AMONGST TOP 150 ENGINEERING INSTITUTES



9th Rank	AMONGST TOP TEN PRIVATE COLLEGES IN BENGALURU
67th Rank	AMONGST TOP 100 ENGINEERING COLLEGES

THE WEEK

**TOP PRIVATE ENGINEERING COLLEGES
ALL INDIA**

4th Rank	AMONGST TOP PRIVATE ENGINEERING COLLEGES – SOUTH ZONE
27th Rank	AMONGST TOP PRIVATE ENGINEERING COLLEGES – ALL INDIA

13TH EDITION DQ-CMR SURVEY
TOP T-SCHOOLS 2018

**13TH EDITION
DQ-CMR SURVEY**

4th Rank	AMONGST TOP PRIVATE T SCHOOLS IN BENGALURU
27th Rank	AMONGST TOP PRIVATE T SCHOOLS - ALL INDIA

**CAREER 360 IN ITS SURVEY ON ENGINEERING
INSTITUTES- 2018, HAS AWARDED "AAA" GRADE**

**INDIA TODAY HAS RANKED ENGINEERING INSTITUTES
133rd PLACE AMONG TOP 165 COLLEGES IN INDIA**



From **Editor's** Desk

I am proud to be part of an inspiring journey called Oxyzine 2018. The Oxford College of Engineering has grown from a humble beginning to Himalayan heights in its long journey of 44 years from the inception in achieving academic excellence by securing many ranks at the University since 2001.

The Management of Children's Education Society, has been working hard, year after year providing holistic & social responsible Professionals through its group of Educational Institutions of our college in producing brilliant young students from our Institutions.

I thank all the Heads of the Departments for giving the necessary information on time, which ensured the timely release of Oxyzine 2018. I sincerely thank our Principal Dr.R.V. Praveena Gowda, for his continuous support in bringing out this magazine. With the dynamic director being our driving force and timely advice from our Chairman, we have successfully brought out the Oxyzine 2018 on time.

Our sincere thanks to Mr. Jameel & his team, Images. Also, I extend my hearty congratulations to Mr. Keshav Kumar. K, 7th Sem B. Arch, for designing the cover page of Oxyzine 2018.

Last but not the least special thanks to the editorial team and office staff for ably supporting us.

Dr V. S. BHARATH

NATIONAL CONFERENCE - NCSEM-2018

SCIENCE, ENGINEERING AND MANAGEMENT 2018, 24th & 25th May 2018

The Oxford College of Engineering, Bommanahalli, Hosur Road Bangalore has organized National Conference on "Science, Engineering and Management"- NCSEM 2018, on 24th and 25th of May 2018. The unique idea behind National Conference on Science, Engineering and Management (NCSEM-18) is to provide a platform for Academicians, Scientists, Researchers and Industry professionals from around the country to network and exchange their innovative ideas, have scientific discussion on the latest advancements in the interlinked domains of Engineering, Science and Business. NCSEM-18 addresses multiple topics and issues of interest in the multiple, integrated domains by providing practical exposure in the form of specialized sessions, poster presentations, plenary sessions and renowned lectures from the leading Research Institutes/ Industry experts addressing the upcoming challenges to be faced and their potential solutions. People from across the nation presented their research work in the conference. NCSEM-18 is an excellent platform for the Academicians and researchers to showcase their research ideas. All Peer Reviewed Plagiarism exempted 82 Research Articles accepted for publication have been successfully published in UGC approved IJCRT Journals. 346 Conference Papers and 138 Poster Presentations were published in NCSEM-18 Conference Proceedings. The Inaugural function started at 10:30am on 24th May 2018 anchored by Prof. Chandrika, Dept. of MBA & Prof. Punya.V, Dept. of MCA. The press reporters and Media persons were also present.

President of Children's Education Society and Chairman of Oxford Educational Institutions, Shri. S N V L Narasimha Raju Garu, The Oxford College of Engineering Principal Dr. R V Praveena Gowda welcomes the chief guest and other dignitaries & addresses the gathering. The program started with an Invocation song by Ms. Anusha followed by the lighting of lamp by the dignitaries. Then Conference Proceedings was released by the dignitaries on the dias. The General Chair Dr. Shashidhara, HOD-MCA, gave a brief outline on the objectives of the conference. Our Director, Dr R. Nagaraj addressed the gathering. A speech was delivered by Keynote Speaker, Prof. N. Sundararajan (Retd.), School of Computer Science & Engineering, Nanyang Technological University, Singapore.

The Guest of Honor for the event was Mr. Suhas Shivanna, a Distinguished Technologist in Hewlett Packard Enterprise, addressed the gathering. The Chief Guest was Dr. M. H. Kori, Technology Consultant, Retd. Technical Director, Alcatel-Lucent Technologies, Chairman IMAPS India, Former IETE Governing Council Member & Chairman IETE Bangalore Centre, IETE Distinguished Fellow. The Valedictory Function on 25th May, 2018, included the overview of the two day event by the Conveners of the conference Dr. M. S. Shashidhara, HOD-MCA & Dr. Manjunath, HOD-BT. It also included the prize distribution of the winners of the various sessions of the conference.



NCSEM

NATIONAL CONFERENCE

Science, Engineering & Management

24 - 25 May, 2018



ABOUT THE CONFERENCE

The Unique idea behind National Conference on Science, Engineering & Management (NCSEM-18) is to provide a platform for Academicians, Scientists, Researchers & Industry Professionals from around the country to network & exchange their innovative ideas and to discuss on the latest advancements in the interlinked domains of Engineering, Science and Management.

CALL FOR PAPER

The conference aims at bringing together Researchers, Engineers & Academics for state of the art exchange of ideas, transfer of knowledge for interdisciplinary collaborations. NCSEM solicits papers across seven tracks as listed below.

TRACKS

Track-1: ME & Automobile	Track-5: Management
Track-2: CSE, ISE & MCA	Track-6: Civil & CTM
Track-3: Biotechnology	Track-7: EEE, ECE & Mechatronics
Track-4: Basic Sciences	

POSTER SUBMISSION

Technical Posters related to the track themes can be submitted to ncsem@theoxford.edu in IEEE abstract format for poster presentation. **Mention subject as Poster Presentation.** All accepted abstracts will be presented at the poster sessions during the conference.

REGISTRATION DETAILS

	Poster Presentation	Conference Proceedings	Journal Publications	
Authors	Faculty & Research Scholars	Rs.450/-	Rs.750/-	Rs.2000/-
	Students	Rs.350/-	Rs.700/-	Rs.1750/-
	Industry Delegates	Rs.1000/-	Rs.1500/-	Rs.2500/-
Participants	Faculty & Research Scholars	Rs.300/-		
	Industry Delegates	Rs.750/-		

CHIEF PATRONS

Dr. Karisiddappa K
Vice Chancellor, VTU, Belgaum

Sri. S N V L. Narasimha Raju
President, The Oxford Group of Institutions, Bengaluru

Dr. H N Jagannatha Reddy
Registrar, VTU, Belgaum

CHIEF CONVENERS

Dr. R Nagaraj
Director, The Oxford Group of Institutions, Bengaluru

Dr. R V Praveena Gowda
Principal, The Oxford College of Engineering, Bengaluru

CONVENERS

Dr. M S Shashidhara
HOD, Dept. of MCA

Dr. B K Manjunath
HOD, Dept. of Bio-Technology

TRACK CONVENERS

Dr. R J Anandhi
Vice Principal, Prof. & Head - CSE

Dr. Amarnath K Prof. & Head - CIVIL

Dr. Bharath V S Prof. & Head - EEE

Dr. N B Doddapattar Prof. & Head - ME

Dr. Kusum Paul Professor - BT

Prof. Dharamvir Dept. of MCA

Dr. James Thomas Prof. & Head - MHA

Dr. D Jayaramaiah Prof. & Head - ISE

Dr. Manju Devi Prof. & Head - ECE

Dr. Jayanthi Kumari D R
Prof. & Head - Mechatronics

Dr. B R Raju Prof. & Head - AUTO

Dr. Mallikarjun K Prof. & Head - Maths

Dr. Vijayakumaran Nair K
Prof. & Head - Physics

Dr. Surekha M Prof. & Head - Chemistry

Ms. Vijayalakshmi Placement & Training

PAYMENT DETAILS

Bank Name : Vijaya Bank, The Oxford Dental College Branch,
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Account No. : 181801011000780 ; IFSC : VIJB0001818
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DD Drawn in favour of "The Principal, TOCE, Bengaluru"
Please mention Author Name and Affiliation while making online payment.

PUBLICATION SUPPORT



TECHNICAL SPONSORS

TOCE STUDENT CHAPTER



ADVISORY PANEL

Dr. A N N Murthy VC, DSU

Dr. C K Subbaraya
AIT, Chikmagalur

Dr. N V R Naidu Principal, IIT

Dr. K N Subramanya
Principal, RVCE

Dr. M K Venkatesha
Principal, RNSIT

Dr. H C Nagaraj Principal, NMIT

Dr. A G Nataraj Principal, BIT

Dr. Krishnamurthy G N
Principal, BNMHT

Dr. Surya Prasad J
Director & Principal, PEST-BSC

Dr. Padmanabha
Principal, IITLTM

Dr. Sharanabasava C Pilli
Principal, AIT

Dr. T N Sreenivasa Principal, AME

Dr. Vasudev
BOS, MCA, VTU MIT Mysuru

Dr. Manjunatha Principal, NRCCE

Dr. Kulkarni PGD, NITK, Sorkal

Dr. C Nanjundaraswamy
Principal, Dr. AIT

Mr. S Srinivasachari
Scientist-G, Anag, DRDO, Hyderabad

Dr. N S Kumar DEBEL, Bengaluru

THE OXFORD COLLEGE OF ENGINEERING

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CHILDREN'S EDUCATION SOCIETY (REGD.)

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HEARTY CONGRATULATIONS

TO VTU RANK HOLDERS FOR THE ACADEMIC YEAR 2016-17

FIRST RANK & GOLD MEDALIST  RUTUSHA NAGARAJ ARCHITECTURE	SECOND RANK  RAJARAJESHWARI PRIEMAKAR BE-Mechatronics	THIRD RANK  NAVAKRUTHI ARANYA BE - CTM
FOURTH RANK  SANJAY BASAVARAJ BE-Automobile	SIXTH RANK  DENVER AKSHAY B BE-Mechatronics	NINTH RANK  SUSHMESA M BE-CSE
TENTH RANK  M NIKHIL BE-Automobile	TENTH RANK  D MOHAN KUMAR BE-Mechatronics	TENTH RANK  JYOTHI P M CA

The Oxford College of Engineering (TOCE) bagged 9 ranks in the 17th VTU Annual Convocation held on 09.01.2017

TOCE stood 8th position in the overall rank list amongst the 220 affiliated colleges under VTU

DEPT. OF COMPUTER SCIENCE & ENGG.

Dr. Saravana Kumar

Prof. and HOD



Accredited By NBA in 2007, 2015 and 2018

AICTE Funded And Approved Project

Title of the project: Skill & Personality Development Programme Centre

Duration: 2017-2020 (3 Years)

Sanctioned Amount: Rs. 22, 98,824/-

Name of the Principal Investigator: Dr. R J Anandhi

Departmental Activities/ Important Events

- Expert Speech on “MBA Talent Hunt for Pre-final Year” was conducted on 10th February for students of Dept. of CSE by Prof. Mr. Kempa Raju D. Centre Head, Career Launcher educate, Bangalore.
- A guest lecture on “Big data in business; Key issue in Aligning strategies and technology” on 12th February by Dr. Keiichi Nakata, Professor, University of Reading UK
- A session on “Study and career prospects in overseas” was conducted by Department of CSE on 2nd April by Mr. Anupam Dubey and Mr. Kalyan Singh, Territory Manager, Manhattan Review.

VISION

To establish the department as a renowned center of excellence in the area of scientific education, research with industrial guidance; and exploration of the latest advances in the rapidly changing field of computer science.

MISSION

To produce technocrats with creative technical knowledge and intellectual skills to sustain and excel in the highly demanding world with confidence.



Inauguration of SPDP Centre by Dr. Manpreet Singh Manna Director of J&K-PMSSS, Sri S.N.V.L. Narasimha Raju Chairman TOCE, Dr. Nagaraj Ramrao Director, TOCE.



Dignitaries from University of Reading UK



MBA Talent Hunt for Pre-final year



Institute-Industry Interactions

- A session on “ Career Guidance Program” was conducted Mr. Ananth Acharya, Professor, XLRI- Jamsedpur on 4th April.
- An Interactive session on “Introduction on Data Structures with real time examples” by Prof. Jayashree L K Assistant Professor, Vemana Institute of Technology was conducted on 7th of May.
- QEEE program origination by CSE Dept. for TOCE chosen to be the part of Quality Enhancement in Engineering Education program funded by MHRD (Ministry of Human Resource and Development) with an objective to enhance the quality of technical education in Under Graduate courses (Bachelors) of engineering colleges all over India. Live Lectures, quizzes and assignments on subjects-Data structures and Algorithms were conducted for students of second year BE.

Workshops conducted by TOGGLE Student Club-CSE

SL NO	SUBJECT	SEM	DEPT
1	Process Management- Operating System	VI	CSE/ISE
2	Digital Signal Processing	VI	ECE/EEE
3	Fits and Tolerance	VI	MTE
4	Arches and suspension Bridges	IV	CIVIL
5	Network layer- computer network	V	CSE/ISE
6	Fundamental concepts in fluid mechanics- Fluid Mechanics	III	AU
7	Electromagnetic waves	III	ECE
8	Induction machines theory	III	EEE
9	Constitution of Alloys and Phase Diagrams	III	MTE
10	Compass Surveying and Planes table Surveying	III	CIVIL
11	Beams- Design of Steel Structures	VII	CTM

- The Oxford College of Engineering is as RESOURCE CENTER for Spoken Tutorial Project, IIT Bombay from 2015 onwards. Many Free and Open Source Software courses on C, C++, Java, Ruby, GIT, Bash, PHP LINUX, PYTHON, BLENDER and Introduction to computers are organized by the department of CSE for the current academic year 2017-18. The Certification course assessment test has been conducted for 2nd, 4th, 6th and 8th semester students of department of CSE. Total 442 students participated in the Certification course assessment test out of those 302 students successfully got qualified.

Workshops/Conferences Attended By Staff Members

- Ms.Shobha T, Ms. Seema Patil and Ms. Sowmya H. K., Asst. Prof., Dept. of CSE has attended workshop on “Emerging Topics in Computational Intelligence – Theory and Applications” conducted by IEEE Computational Intelligence society, Bangalore Chapter IISC Bangalore on 6th January.



Study and career prospects in overseas



Session on “Career Guidance Program” by Prof. Ananth Acharya, XLRI-Jamsedpur



Session of Prof. Jayashree



The live classes of QEEE



- Dr R. J. Anadhi, Ms. Sushma G, Ms. Shobha T, Mr. Naveen H. S., Ms. SushmaT, Ms. Gousia, Ms. Jesy, Mr. Senthil Kumar, Ms. Nikita Shrivastava, Ms. Seema Patil, Ms. Chandanita Asst. Prof., Dept. of CSE has attended 13 days National level Technical Faculty Development Programme on” world Class New Product Design & Manufacturing ” from 1st -13th January at Dept. of automobile TOCE, Bengaluru.
- Ms. Maragatham, Asst Prof, Department of CSE participated in “Cyber security and Forensics” from 9th to 10th January at HKBK college of Engineering, Bengaluru.
- Ms. Florance Asst Prof, Department of CSE has attended Workshop on “Research Methodology” organized by VTU Human Resource Development Center (VTU-HRDC) from 28th May to 2nd June.

Conference and Journal Publications

- Dr. R. J. Anandhi and Prof. Seema Patil published a paper titled “Designing an Efficient Clustering using Particle Swarm Optimization”, in International journal of Combined Research & Development (IJCRD), vol7, issue 3 - e-ISSN:2321-225X; pISSN:2321-2241, April 2018.
- Dr. R. J. Anandhi published a paper titled “Creating SAS Transport X files from various Data Sources” presented and published in proceedings of National Conference on Science, Engineering and Management-NCSEM 2018, TOCE, ISSN No:2321-2241, May 24,15,2018
- Prof. Senthil Kumar published a paper titled “Health Prediction of cash crops : A data mining based approach for aiding agriculturists” and “Automated Irrigation System Using Sensor Modules” Presented and published in proceedings of National Conference on Science, Engineering and Management-NCSEM 2018, TOCE, ISSN No:2321-2241, May 24,15,2018
- Prof. Seema Patil published a paper titled “A General framework architecture for RMS in distributed file systems using PAXOS algorithm” and “A Visual Based Transportation e-service for BMTC” Presented and published in proceedings of National Conference on Science, Engineering and Management-NCSEM 2018, TOCE, ISSN No:2321-2241, May 24,15,2018
- Prof. Shobha T published a paper titled “3D Security for Encryption issues in Hadoop Environment” , “IoT Based Multi-Function War Assistance Robot” and “A Novel Wireless Device to Control Mobile Phones in Low End Cars” Presented and published in proceedings of National Conference on Science, Engineering and Management-NCSEM 2018, TOCE, ISSN No:2321-2241, May 24,15,2018
- Prof. Jesy Janet Kumari published a paper titled “Android Based Application To Detect Pot Holes and Uneven Roads in the City” and “Electrical Meter Reading Using Raspberry PI” Presented and published in proceedings of National Conference on Science, Engineering and Management-NCSEM 2018, TOCE, ISSN No:2321-2241, May 24,15,2018
- Prof. Sowmya H. K. published a paper titled “Android Based Application To Detect Pot Holes and Uneven Roads in the City” and “Efficient Searching Technique for Map-Reduce Self-Tuning in Hadoop” Presented and published in proceedings of National Conference on Science, Engineering and Management-NCSEM 2018, TOCE, ISSN No:2321-2241, May 24, 2018.

Research Activities

We are happy to congratulate research scholars Mr. Senthil Kumar, Ms. Shobha T, Ms. Sowmya H.K & Ms. Seema Patil for completing their Ph.D comprehensive viva-voce and Ms. Gousia T for completing their course work for Ph.D.

M.Tech Toppers List

S.No	SEM	NAME	% OF MARKS	Participants	Award won
1	3	V Ashwini	96%	Arun Dev, Praveen, Harshitha, Pallavi guided by Dr. R. J. Anandhi	Best Engineering Design Award
2		Karthika RP	94%	Aswin, Arvind Y, Chaitra G, M Ganesh guided by Ms. Shobha T	Best Novelty Mention Award

B.E Toppers List

S.No	SEM	NAME	% OF MARKS
1	1	Shivangi Arul	91%
2	1	Mahesh M S	90%
3	3	Sangavi C	80%
4	3	Ashmitha dale pais	79.75%
5	5	Talari Surya Teja	79.50%
6	5	Sahana Shreedhar	76.75%
7	7	Priyanka Gupta	81%
8	7	Sanna Meer	80%



Spoken Tutorial Session on RUBY

Co-curricular Activities

S.No	Name of the Participant	Event	Contest	Organized by	Achievements
1	Pranami	Montage	State Level Inter-College Technical Fest-IMPULSE'18	The Oxford College of Engineering	II Place
2	Sumaiya and Varsha	Project Exhibition	Science Exhibition	Dept. of Chemistry	III Place
3	Souandhika Ranjana Rajeev	Group Dance	Inter-Collegiate Fest-IMPULSE'18 on 22nd to 24th Feb 18	T. John Institute of Mgmt. & Science, Bangalore	II Place
4	Souandhika Ranjana Rajeev	Beat 2020	OXFOIGNITE REVELATION 2020	The Oxford College of Science, Bangalore	II Place
5	Souandhika Ranjana Rajeev	Group Dance	Inter-Collegiate Fest-Yuva 2K18 on 21st to 23rd Feb 18	SSMRV College, Bangalore	II Place
6	V Akshay	Marathon	OXFORD RUN 17 on 17th Sept. 2017	Dept. of MBA, TOCE, Bangalore	Completed 5Km Run
7	Fouziya Niveditha Kishan Shetty Aishwaraya Sonika Rahul Rishab Varun	Fashion Show	Intra College Cultural Fest- MILANA'18	TOCE	I Place
8	Sijo Uddipta	Face Painting	Intra College Cultural Fest- MILANA'18	TOCE	II Place



Accredited By NBA in 2007, 2015 and 2018

The Department of Information Science & Engineering (ISE) is making an impact on all businesses and services. A degree in ISE can prepare for a wide range of careers such as Computer Industry, Financial Service Sectors, Telecommunication Industry, E-commerce Services, Graphic Design and Art etc.

ISE department is leading the way to meet these challenges of future by equipping the students with specific training in selected topics like Big Data, IoT and Network Security. The vision and mission of the department cultivate thirst for knowledge and zeal to look beyond the curriculum and to make them professionals in information science.

We have MOUs with handful of IT & Software companies, as stated below

- L & T Infotech, Bangalore.
- 3G Network Solutions Pvt Ltd, Bangalore.
- Gemini Communications, Chennai.
- Koenig Solutions, Bangalore.
- ITOrizonIndia Pvt Ltd, Bangalore.
- ChromosolTechnology Solutions Ltd, Mumbai.
- Ether Global Services Pvt Ltd, Bangalore.
- Networkers Home, Bangalore.
- Cloud Enabled Pvt Ltd, Bangalore.

These activities provide ample opportunities for our students to work on various internship projects in IT industries, Government agencies and higher learning institution like IISc, IIITB, Networkers Home, CDOT, NAL and DRDO labs etc. which further enhances employment for our students, so that they can be productive from day one in their companies.

Skill Building Activities

- CCNA Training- ISE department with collaboration with Ether Global Services Private Ltd, Bangalore has conducted CCNA training Programme for the students to understand, configure and troubleshoot medium-level switched and routed networks.
- IoT & Network Security- IOT is changing the way we live, making us more efficient and making our lives easier. Department of ISE in collaboration with Ether Global Services Private Ltd, Bangalore has conducted IoT & Network Security programme for the students.
- SOFT Skill Training- Interpersonal skill relates to employees ability to get along well with others, social graces and communication abilities. ISE department with collaboration with Seventh Sense Talent Solution, Bangalore has conducted Soft skill training programme for final year students.

Department Activities

1. National Conference 2K'18

The National conference is to benefit the students and working professional to enrich their knowledge towards recent trends and developments. The conference will serve as a platform for the participants to diffuse and promote their ideas in the field of information science.

VISION

To establish the department as a renowned center of excellence in the area of scientific education, research with industrial guidance; and exploration of the latest advances in the rapidly changing field of computer science.

MISSION

To produce technocrats with creative technical knowledge and intellectual skills to sustain and excel in the highly demanding world with confidence.



Dr. D. Jayaramaiah along with guests and students of NCSEM-2K18



Dr. D. Jayaramaiah along with guests Mr Ajay S. S. and Ms Nilanjana

2. Oxford Techfest 2K'18

Techfest is an annual science and technology festival that include competitions and exhibitions



Techfest participants along with Dr. Jayaramaiah and Mr. Vishnu Kumar Jalan



Dr. D. Jayaramaiah and Chief Guest Mr Arun P. S.

3. Expert Lecture

Mr. Praveen M.P , Development manager, ICOMP Solutions Private Ltd, Bangalore has shared his view on "Apple technology Demonstration"

4. Alumni Meet 2K'18

Students have certain dreams and plans for the future we then embark on career course. But it's great to be in touch with the place where they laid the foundation for their dreams. ISE department conducted Alumni Meet on June-2018.



Dr. D. Jayaramaiah welcoming Chief Guest Mr Praveen



ISE Alumni

Students' Achievements

VTU FUNDED PROJECTS

- The Project work entitled "A Reliability System for Filtering Malicious Information on Social Network" by AsmaNooren P, Divya, Chandana L V, Saniya Sadaf of 8th semester was selected as VTU funded project.
- The Project work entitled "Home Automation Using Message Queuing Telemetry Transport" by Harshith Rai, Clint Thomas, Namita, of 8th semester was selected as VTU funded project.



Asma Nooren presenting the project



Clint Thomas presenting the project

CO-CURRICULAR ACTIVITIES

- Supraja Srinivas, Tejaswini M., Neepa T. J., Saniya Sadaf Secured Second Place on Poster Presentation in 31st CSI Karnataka Students Convention At Channabasaveshwar Institute of Technology, Tumkur.
- Richa Agarwal, Mir Mustafa Ali, Vinayak Suresh Pai, Vinitha S Bhat First Place on Technical Paper Presentation in CSI Region-5 Student Convention Held at JSS Academy of Technical Education Bangalore.
- Rachana of 4th semester had won First prize in 800 mts running and Long Jump held at St. John's Ground, Bangalore.
- Bharghav Reddy of 4th semester had won First prize in 1500 mts running held at St. John's Ground, Bangalore.
- Samitha Veeru of 4th semester had won Second prize in Shortput held at St. John's Ground, Bangalore.
- Rachana of 4th semester had won Second prize in 200 mts running held at St. John's Ground, Bangalore.
- Samitha Veeru of 4th semester had won Third prize in Long Jump held at St. John's Ground, Bangalore.
- Raksha of 4th semester had won Third prize in Relay held at St. John's Ground, Bangalore.



Bharghav Reddy won First prize in 1500 mts running competition



Rachana won First prize in 800mts running competition

EXTRACURRICULAR ACTIVITIES

- Extracurricular activities are those that fall outside the realm of the normal curriculum of university education, performed by students. ISE department students have shown their involvement in extracurricular activities and won the events.



Winners of Indian Music Competition in Milana 2K18

- Farewell party is more like a memorable way to say goodbye. It could also be likened to a get together where refreshing memory of friends and well wishers is created. Department of ISE conducted the farewell party for the 2014-2018 batch.

Farewell for 2014-2018 Batch Students





Ms. Joycy in Music and Dance school with her students



Ms. Arphitha - Health Care Professional with her trainees

OUR ENTREPRENEURS

In connection with the college EDC, Department of ISE is conducting several programs like workshop, Seminars etc.

JOURNAL PUBLICATIONS.

- Prof & HOD Dr. D. Jayaramaiah Published Paper titled “Design and Analysis of Most Sought after Big data Platforms and their Application for Network Analytics” in International Journal of Creative Research Thoughts.
- Prof & HOD Dr. D. Jayaramaiah Published Paper titled “Design and Implementation of IoT System for Enhancing Proprioceptive Training” in International Journal of Creative Research Thoughts.
- Prof & HOD Dr. D. Jayaramaiah Published Paper titled “Mutual Authentication and Financial Transaction between Mobile Users using Blockchain based ID as a Service” in International Journal of Creative Research Thoughts.
- Asst. Prof. Mrs. Vinodha Published Paper titled “A Realibility System for Filtering Malicious Information on Social Network” in International Journal of Creative Research Thoughts.
- Asst. Prof. Mrs. Visalini Published Paper titled “MRCP-RMD: Resource allocation and Scheduling of jobs with Deadlines” in International Journal of Creative Research Thoughts.
- Asst. Prof. Mrs. Kalai Selvi Published Paper titled “An Intelligent Smart Phone based Approach Using Cloud Computing and IoT for Risk Free Driving” in International Journal of Creative Research Thoughts.
- Asst. Prof. Mrs. Kokila Published Paper titled “Detecting Spam Reviews on Social Media Using Network Based Framework- Net Spam” in International Journal of Creative Research Thoughts.
- Asst. Prof. Mrs. Suganya Published Paper titled “Vehicle Detection in Fog Image and Night Condition using Block Matching Color Enhancement Algorithm” in International Journal of Creative Research Thoughts.
- Asst. Prof. Mr. ChanappaGowdaD.V Published Paper titled “MQTT based Home Automation System Using Raspberry Pi 3 Model-B ” in International Journal of Creative Research Thoughts.
- Asst. Prof. Mrs. Varsha Published Paper titled “Generating Music from Literature Using Topic Extraction and Sentimental Analysis” in International Journal of Creative Research Thoughts.

CSI ACTIVITIES

Invited Talk

- Ms. Anandhi Giridharan, Principal Research Scientist, Dept of ECE, IISc, Bangalore has delivered the lecture on “Internet Protocols and their Impact on IoT”.
- Mr. Mahesh Prabhu, Vice President and Global Head / ITC Info Tech Bangalore has delivered the lecture on IT Trends in Artificial Intelligence and Machine Learning.



Participants of Internet Protocol Lecture

WORKSHOP CONDUCTED

Internet of Things is a new revolution of internet. Nowadays there are many android and server based applications. Department of ISE in collaboration with i3indya Technologies has conducted a workshop on Internet of Things for the students.



Inauguration of IoT Workshop



Dr. Sundar Ramakrishnan addressing the Workshop participants



The Department of Electronics and Communication Engineering started in the year 2000 and has been in the forefront of imparting quality education to the students. The department has a strong undergraduate program with an intake of 120 students. At the postgraduate level, offers M. Tech in VLSI and Embedded systems, DEC and DCN. At present, 12 faculties of the department have registered for PhD program, one faculty member; Ms. Reema Sharma has been awarded PhD from the R & D centre of ECE Department. UG and PG students are encouraged to undertake various research projects in department R&D lab and are given regular value added course and soft skill programs to meet the needs of employability. The unwavering commitment towards students along with a pool of experienced and dedicated teaching faculty makes the department distinguished and the most sought after.

Papers Published By Faculties:

- Manju Devi, K. Yetish Reddy, R. Bharath Kumar, M. Jijenth, "Synthesis of a thinned planar antenna array with suppressed peak side lobe level using modified binary coded genetic algorithm (MBC-GA)", International Conference on Circuits, Controls, and Communications (CCUBE), December 2017
- Manju Devi, Sushma "Design of S-Box and Inv-S-Box Using Composite Field Arithmetic for AES Algorithm" at the 3rd national level conference on "Electronics, Signals and Communication (NCESC-2018)" in association with IEEE Bangalore section on 17th May 2018 at GSSS Institute of Engineering and Technology for Women, Mysuru and published in international journal of Engineering Research and Technology (IJERT) with ISSN: 2278-0181.
- Manju Devi, Rudragouda Police Patil "An Efficient Fingerprint Compression Algorithm Using Sparse Coding" in the International Journal of Combined Research & Development (IJCRD), eISSN:2321-225X; pISSN:2321-2241 Volume: 7; Issue: 1; January -2018.
- Preeta Sharan, H. J. Pati, T. S. Indumathi, "Design and analysis of high sensitive PhC based sensor for methane gas" in Journal of Fundamental and Applied Sciences, ISSN 1112-9867, May 2018
- Preeta Sharan, Sandip Kumar Roy "Photonic Crystal Based Sensor for DNA Analysis of Cancer Detection" in Advances in Intelligent Systems and Computing,

VISION

To impart technical education par excellence and prepare leaders to serve the industries and society.

MISSION

- M1. To provide the world with a highly committed and quality conscious engineering workforce.**
- M2. To encourage the students to build self-help, power of initiative, courage to change and create new things.**
- M3. To inculcate the spirit of cooperation and a capacity for organization with special emphasis on their self-reliance and sustainability to meet ever changing requirements of local and global industries.**

Silicon Photonics & High Performance Computing, pp.79-85, January 2018

- Preeta Sharan, G. Ambika, G. M. Shanthala, Srinivas Talabattula, "An Optimized Design of Complex Multiply-Accumulate (MAC) Unit in Quantum Dot Cellular Automata (QCA)" in Advances in Intelligent Systems and Computing, December 2017
- Piruthiviraj, Preeta Sharan, R. Nagaraj, "Real time multimedia traffic analysis and Implementation of IPv4 based optical network using Routers" International Journal of Pure and Applied Mathematics Volume 118, No.9 IISN 1314-3395, January 2018.
- Piruthiviraj P., Preeta Sharan, Nagaraj Ramrao, "Wavelength selectivity using Adaptive Shortest Path Algorithm for optical Network "; 3rd International Conference on Recent Trends in Computer Science and Electronics, January 2018.
- P. Piruthiviraj, Dr. Preeta Sharan, R. Nagaraj presented paper on "Real-Time QoS Performance Analysis for Multimedia Traffic in an Optical Network" in Advances in Intelligent Systems and Computing, December 2017
- Sridhar N., Nagaraj R, Parameterization of solar cell model using multiculture & hybrid mutation based evolutionary Programming. Accepted in International Journal of Engineering and Technology (UAE) - Special Issue on Advances in Applied Engineering Research (AAER), July 2018.
- R. Bhargava Rama Gowd, S. Thenappan, M.N. Giri Prasad, "A Review of RWA for Effective Bandwidth

usage and QOS In Optical Network”, International Journal of Pure and Applied Mathematics Volume 118, No.9 IISN 1314-3395, January 2018.

- R. Bhargava Rama Gowd, S. Thenappan, M.N. Giri Prasad “Routing and Restoration Algorithm for Optical networks” in 6th International conference on Research trends in Engineering Applied science and Management, IETE, 2018.
- Mr. Jayaraj N, “Assured Protective Interrelated Implementation for WSA”, International Journal of Creative Research Thoughts IJCRT.
- A. Chrispin Jiji; M. Vivek,” Underwater turbidity removal through ill-posed optimization with sparse modeling”, IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI), Sept. 2017.

WORKSHOP/SEMINAR/CONFERENCE/FDP ORGANIZED BY DEPARTMENT

SI No:	Title of Session	Speakers	Date
1	One Day dissemination workshop on “Wireless Mouse and Keyboard for Physically Handicapped”, sponsored by Indian Council of Medical Research (ICMR)	Dr. Sadana Srivastava, Scientist, IPR Unit, Department of Health Research	14/05/2018
2	Microwave Photonics	Dr. K. R. Yogesh Prasad, Senior Scientist, ISRO Satellite Centre	24/03/2018
3	Satellite conference , RTCSE-2018, Bangkok, Thailand.	Dr. Preeta Sharan	2/03/2018
4	A two day FDP on “Know your Intellectual property rights-Patent Awareness Workshop” sponsored by DST-TIFAC, Government of India in association with KSCST and VTU	Prof. Prabhat Ranjan, Mrs. Sangeetha Nagar, Dr. Shivani Srivastava. Mr. Naveen Suriya	28/12/2017 29/10/2017
5	Technical Talk on Subnetting with IPV4/IPV6 based using Cisco Routers.	Mr. Sarvotam Prasad (Alumni), HP (R&D) Bengaluru.	18/11/2017
6	Guest Lecture on IOT	Mr. Roshan Khan, Director, Technology Innovation & Architecture, Amadeus Software Labs India Limited	10/11/2017
7	NBA workshop	Dr. Ramakanth, Professor, RVCE	24/10/2017
8	Technical Talk on Innovation and Development	Mr. Nithin Awasthi, founder of APSIS	15/10/2017



ICMR Workshop Dignitaries



Dr. Sadana S addressing the gathering



Dr. Yogesh Prasad addressing the gathering



DST -TIFAC FDP Delegates

Student Achievements

- Sushrutha H. B., Manjula Ramanna Kuri, Pragathi A. R. and Pavithra M. has received Project of the year award for 2016-2017 from Karnataka State Council for Science & Technology (KSCST) during Student Project Programme (40th Series) for their project entitled "A smart wrist band based human interface device for PWD" during seminar and exhibition held at NMAM Institute of Technology, Nitte on 11th and 12th August 2017.
- Final year students Aishwarya S. S., Vaibhavi Shetty, V. V. Pooja Nair and Shamanth H represented Karnataka State in the stream of Electronics Engineering in the event "Chhatra Vishakarma Awards 2017" conducted by AICTE-ECI in New Delhi on 19th September 2017 for project titled "Smart College Management System" which can be a real time application.
- Varsha, Nithin Gowda, Tulasi, Sneha developed a device for quadriplegic patient for the Student Project Programme (SPP) organized by Karnataka State Council for Science & Technology (KSCST) during March 2018.
- Rama Nandini, Pragathi, Savitha and Spandana Shetty developed a device for Cancer Cell Detection in Android Mobile for the Student Project Programme (SPP) organized by Karnataka State Council for Science & Technology (KSCST) during March 2018.
- 8 Sem students Pooja S., Yashaswini and Manjuvani received Best Paper Award for the paper titled "Modular Airborne Data Recording Acquisition" in the National conference-NCSEM-2K18.
- Sushma D. K. (M.Tech, VLSI and Embedded systems) received Best paper Award for the paper titled "Design of S-box and InvS-box using composite field arithmetic for AES algorithm" in the 3rd national conference on Electronics, Signals and Communication-NCESC-2018 at GSSS Institute of Engineering and Technology, Mysore.
- Students have done their final year projects at BEL and HAL and also all batches had presented their papers at NCSEM-2018 held at Oxford College of Engineering.

Co-Curricular Activities

- College had conducted intra college Annual Sports Meet on 16th March 2018 where in faculties and students participated actively.
- Our department had organized two technical events at "Impulse-18", the Technical Fest conducted on 22nd and 23rd March 2018 in the college.
- Students of ECE department had bagged many prizes in Milana-2k18, Cultural Fest organized by the College on 12th and 13th April 2018.

Faculty Achievements

Faculty	Event	Prize
Bhargava R	Walk Race	1st
Praveen Kumar	Shotput Discuss Throw	1st 1st
Chrispin Jiji	100 mts Shotput WalkRace	1st 2nd 3rd
Dhanya E	100 mts WalkRace	2nd 3rd

Student Achievements

Student	Event	Prize
Prem Pramod	Shotput	2nd
Mahantesh	High Jump	1st
Vinod Kumar Shivam Nikhil Mahantesh	4*100 Relay	3rd



Impulse-18 Coordinators



ECE Dance team for the Milana-2k18

- The eighth semester had celebrated Graduation Day and Farewell on 17th May 2018.



Final Year B.E Students (2014-18) on Farewell Day



DEPT. OF ELECTRICAL AND ELECTRONICS ENGG.

Dr. V.S. Bharath
Prof. and HOD

Accredited By NBA in 2007, 2015 and 2018

The EEE Department has an intake of 120 students and it is accredited by NBA. A Post Graduate course in Power Electronics course and Computer application in Industrial Drives has an intake of 18 students. The VTU research centre of the department has seen good progress as many scholars have registered for Ph.D.

The Department has well-equipped laboratories for all experiments as per the VTU syllabus and is supported by software packages, such as MATLAB, MiPOWER, ORCAD & PSPICE, AutoCAD for Electrical Drawings and Code Composer Studio for DSP Applications. New M. Tech Laboratories were started as per University Regulations. The measurements lab of the Department has been modernized and upgraded during 2009-10 by funds obtained from AICTE under MODROB scheme.

The Department was accredited by "NATIONAL BOARD OF ACCREDITATION" in the year 2007. For the renewal of accreditation the NBA peer team had visited the department for inspection during 10-12th April 2015. Department got NBA Accreditation for three years (1/7/2015 to 1/7/2018). Further the team has visited on 22/6/18 and again the department got accreditations for 3 years till 2021.

GUEST LECTURES/WORKSHOPS:

- Guest Lecture on "Awareness about GATE/IES, PSU examinations" by Mr. Jai Prakash Rao, Vani Institute, Bangalore on 28/08/2017.
- Guest Lecture on "Geometrical methods for finding equivalent resistance" by Mr. Radha Krishnan, Ex. Chief Electrical Engineer, Indian Railways on 31/08/2017.
- Guest Lecture on "PLC and SCADA" by Ms. Maheswari, Centre Head, Live wire technologies, Bangalore on 16/10/2017.
- Guest Lecture on "Role of smart Grid in power system operation and control" by Dr. Ravi, Professor, Department of EEE, VIT, Vellore on 17/03/2018.
- Two day Workshop conducted on "MSP 430 Embedded system and its applications" by Mr. Sanjay Kumar Bhagat, Jyothi Embedded Labs, Bangalore on 26/4/2018 and 27/4/2018.

INDUSTRIAL VISIT/EDUCATIONAL TOUR:

- The Students of VII semester have visited Mahatma Gandhi Institute of Rural Energy and Development, Bangalore on 03/11/2017 to create awareness in the area of solar energy and its applications in line with requirements of rural world accompanied by Dr. Bharath, Mrs. Raichel Ruby and Bhuvaneshwari.M.
- The Students of V semester have visited 220/66 KV Receiving Station, Kanakapura on 03/11/2017 in order to adapt students in the latest technology in transmission systems accompanied by Mrs. Vinutha, Mrs. Deepa & Mr. Madhusudan Reddy and Mr. Raghumanth.P.

JOURNAL PUBLICATIONS:

- B. Devi Vighneshwari, published paper on "Identification of Disturbance & Affecting the Efficiency in Power System using

VISION

To meet the educational and research needs of the student community and staff through collaboration with other academic and technical institutions, industry and government agencies and make the students to face problems of the country and society as a whole

MISSION

- M1-To develop and train competent Electrical and Electronics Engineers with adequate practical skills.**
- M2-To provide state-of-the-art resources that contribute to achieve excellence in teaching-learning, research and development activities.**
- M3-To inculcate, ethics, leadership, moral values and social activities.**



Guest Lecture on "Awareness about GATE/IES, PSU examinations"



Guest Lecture on "PLC and SCADA"



220/66 KV Kanakabura Receiving Station



Bio-Chemical Plant in Mahatma Gandhi Institute of Rural Energy and Development

Feed Forward Neural Network”, in International journal of Electrical Engineering, ISSN: 0974-2158, Vol.10, Issue 3, PP.309-323, 2017.

- B. Devi Vighneshwari, published paper on “Novel Classifier Design for Optimizing the accuracy for Identification of Disturbance in Power System”, in International Journal of Power Electronics.
- Manjula C. published paper on “Survey of Electronic Hardware Testing types, ATE Evolution and Case Studies”, in International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol.6, Issue 11, November 2017.
- Manjula C. published paper on “Case Studies of Various FPGA based BIST, ATPG, Processor and Memory testing”, in International Journal of Emerging Technology and Advanced Engineering (IJETA), E-ISSN: 2250-2459, Vol.7, Issue 11, November 2017.
- Viji K., Dr. Anil Kumar, Dr.Nagaraj Ramrao published paper on “Qualified Analysis of DSMC over SMC for Boost Converter”, in International Journal of Control and Automation (IJCA), ISSN: 2005-4297, Vol.10, Issue 12, December 2017.

CONFERENCES:

- Manjula C., Presented Research Paper “Command Driven Scalable & Programmable FPGA Based Digital Test Pattern Generator”, IEEE International Conference on Electrical, Electronics, Communication, Computers and Optimization Techniques (ICEECCOT-2017), 15 December 2017.
- Sandhya Rai, Dr. Nagaraj R. Presented Research Paper “Enhanced Performance Analysis of Active Filter over Passive Filter in Power Quality Issues”, International Conference on Signal, Image Processing, Communication and Automation (ICSIPCA-2017), 07 July 2017.
- Someswari.T, Presented Research Paper “Probing the Efficiency of Research contribution towards Fuzzy Sliding mode Controller”, 2nd International Conference on Circuits, Controls and Communications (CCUBE-2017), 16 December 2017.
- Viji K Presented Research Paper through SKYPE in Inter National Conference on “Qualified Analysis of DSMC Over SMC for Boost converter” held on 2nd-3rd Jan 2018, Thailand

SEMINARS/WORKSHOPS ATTENDED BY FACULTY MEMBERS:

- Dr. Bharath V. S. contributed as a Resource person in two week AICTE sponsored Faculty Development program in The Oxford college of Engg., Bangalore on 2nd January 2018.
- Arut Selvinagammai P., Resna S. R., M. Raichel Ruby, B. Devi Vighneshwari, D. Thiruvona Sundari participated in ISTE STTP Workshop on “Electric Power System” conducted by Indian Institute of Technology Kharagpur from 10 July 2017 to 15 July 2017.
- B. Devi Vighneshwari, Sandhya Rai participated in three day workshop on “Application of Matlab/Simulink in Control System, Power System & Signal Processing” organized by Dept. of EEE, MVJCE, Bangalore from 11 - 13 December 2017.
- Bhuvaneshwari M., Deepa R. participated in ISTE State Level Faculty Convention conducted at Dayananda Sagar College of Engineering on 9th December 2017.
- Sandhya Rai, Devi Vighneshwari, Sumitha T. L. attended 6 days workshop on “Optimization Technique for Control System and use of AI in Power System” Organized by SJBIT, Bangalore held during 23/7/2018 to 28/7/2018.

- Sandhya Rai, Nisha C. Rani, Resna S. R. attended Workshop on “New Model Curriculum for First Year BE/B.Tech-CBCS Detailed Syllabus(2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy” held on 14th May 2018 at M.S. Ramaiah Institute of Technology, Bangalore.

RESEARCH ACTIVITIES:

- Sandhya Rai , Viji K. and Manjula C. completed the Pre-PhD Comprehensive Viva-Voce under VTU.
- Nalina Kumari A., Navatha K. completed Course Work under VTU.
- Raichel Ruby have completed Course Work under Amrita School of Engineering, Bangalore.
- Resna S. R., Tiruvandana Sundari completed the Comprehensive Viva-Voce under Amrita School of Engineering, Bangalore.



Workshop attended by Faculty “Application of Matlab/ Simulink in Control System, Power System & Signal Processing”

STAFF ACHIEVEMENTS:

- Dr. Bharath V. S. has been appointed as BOE Member for Dept. of Electrical and Electronics Engg. in Dr.Ambedkar Institute of Technology, Bangalore for Academic year of 2017-2018.
- Dr. V. S. Bharath and Mr. Jayakumar N. were appointed as Chairperson for the National Conference held on 24th May 2018 in ECE/EEE/MT at TOCE..
- B. Devi Vighneshwari, Arul Selvinagammai P. completed the NPTEL Online Certification Course on “Power System Analysis”, during July to October 2017 and “Basic electronics”, “Introduction to soft computing” during January to March 2018..
- Sandhya Rai completed the NPTEL Online Certification Course on “Basic Electrical Circuits”, during July to September 2017 and “Basic electronics” during January to March 2018.
- Sandhya Rai, Viji K., Someswari T. completed the NPTEL Online Certification Course on “Control Engineering”, during July to October 2017.
- Resna S.R completed the NPTEL Online Certification Course on “Electrical Machines-I”, during July to October 2017.
- Sumitha T. L., D. Thiruvona Sundari completed the NPTEL Online Certification Course on “Design of Photo Voltaic System”, during July to October 2017.

FACULTY ACHIEVEMENTS (Cent percent result)

Sl. No.	Faculty name	Subject with Code
1	Mrs. Viji K.	RES 10EE836
2	Savitha M.	RES 10EE836
3	B. Devi Vighneshwari	CAED 10EE65 Estimating and costing 10EE553
4	Sumitha T.L.	CAED 10EE65
5	Mrs. Vinutha	RES 10EE563
6	Mrs. Navatha Kumari	HVDC 10EE751
7	Mr. Madhusudhan	HVDC 10EE751
8	Mrs. Pavithra	Management and entrepreneurship 10EE51
9	Mr. Raghumanth	Management and entrepreneurship 10EE51

BE TOPPERS LIST

Sl.No	SEM	USN	NAME	% OF MARKS
1	II	10X16EE028	Liya Elizabeth Baby	89.5
2	II	10X16EE071	Swati Sunil Kumar	87.7
3	IV	10X15EE027	Geetha shree K. A.	79.3
4	IV	10X15EE003	Akshaya K.	79
5	VI	10X14EE038	Jeneffer S.	75
6	VI	10X15EE419	Sowmya H. R.	73
7	VIII	10X13EE019	Bharath Kumar A.	84
8	VII	10X13EE015	Badri A. R.	81

PLACEMENT ACTIVITIES: List of Students Placed

Sl.No.	USN No.	Student Name	Company Name
1	10X14EE053	Mithali Rai	Optimism IT Solutions, Qspiders
2	10X14EE083	Raveena Kamboj	Optimism IT Solutions
3	10X14EE090	Shankar Lingam J.	Westline Shipping Pvt. Ltd.
4	10X14EE023	Chethan G.	Westline Shipping Pvt. Ltd.
5	10X14EE054	Mithun U. Krishnan	Westline Shipping Pvt. Ltd.
6	10X14EE059	Nitesh Sharma	Westline Shipping Pvt. Ltd.
7	10X14EE040	Karthik	Westline Shipping Pvt. Ltd.
8	10X14EE055	Mohammad Murtaza	Westline Shipping Pvt. Ltd.
9	10X14EE067	Pradeep Yadav	Westline Shipping Pvt. Ltd., ICICI Prudential
10	10X14EE044	Likhit B. V.	Westline Shipping Pvt. Ltd.
11	10X14EE056	Mohan Kumar	Westline Shipping Pvt. Ltd.
12	10X14EE004	Aatib Riyaz Mir	Westline Shipping Pvt. Ltd.
13	10X14EE038	Jeneffer S.	NTT Data, Paypal
14	10X14EE110	Vidyashree M. S.	NTT Data
15	10X14EE069	Preethi N. M.	NTT Data
16	10X14EE091	Shashank Manjunath	ICICI Prudential
17	10X14EE065	Pooja Shree B.	ICICI Prudential
18	10X14EE071	Priyanka Kumari	ICICI Prudential, Paypal
19	10X14EE008	Akash V. M.	ICICI Prudential
20	10X14EE005	Abhishek S. C.	ICICI Prudential
21	10X14EE058	Nandan K. E.	Paypal
22	10X14EE104	Tayyaba Naaz	Paypal

SPONSORED RESEARCH/CONSULTANCY:

No.	Name of students	Project Title	Project Type: Research/Consultancy	Funding Agency	Amount	Duration
1	Abhishek S. C., Chethan G., Likith B. V., Mohammad Murtaza	Design and Development of Military BOT	Research	VTU	5000	3 MONTHS
2	Bhoomika T. K., Divya R, Gururaja K. K., Kartik	Design and Development of Control Panel for Agricultural Submersible/ Flashed Type Motors	Research	VTU	5000	3 MONTHS

STUDENT ACHIEVEMENTS:

- Abhihek S. C, Chethan G, Likhith B. V, Mohammad Murtaza won First Prize for presenting the paper “Design and Development of Military BOT” in NCSEM 2K18 organized by TOCE, EEE Dept. held on 24th and 25th May 2018.
- Akash V. M, Eshwaran R.A, Manoj Kumar.M, Merlin Shibu won Second Prize for presenting the paper “Design and Development of Automatic -3 Phase Induction Motor Starter with Parameter Display Panel” in NCSEM 2K18 organized by TOCE, EEE Dept. held on 24th and 25th May 2018.
- Priyanka Sinsinwar, Priyanka Kumari, Pooja Rohidas Naik won First Prize for Poster Presentation “Controlling the process of Coke Oven Complex” in NCSEM 2K18 organized by TOCE, EEE Dept. held on 24th and 25th May 2018.
- Sanya Begum, Shashank Manjunath, Nuthan B. S, Priti Singh won Second Prize for Poster Presentation “Comparative Study and analysis of closed loop BLDC Motor using three phase inverter by PWM, SPWM and SVPWM methods” in NCSEM 2K18 organized by TOCE, EEE Dept. held on 24th and 25th May 2018.
- Chandru C. K, Basavaraj.B, Meghana, Harshitha S. of V Sem Participated and Won First Prize in Innovate ME 2K17 competition organized by Mechatronics Department of TOCE on 12/10/2017.
- Priyanka Sinsinwar of VIIth Sem won Third Prize in the Nationwide competition on Legal Rights for Women conducted by National Commission for Women, Government of India on 15th November 2017.
- Aishwarya Purushothm, Apoorva of V Sem participated and won Runners Up in Interdepartmental Throwball Tournament organized by Jyothi Institute of Technology held during 16th to 17th September 2017.
- Sahan Participated and Won First Prize in Hockey Tournament in Inter-college competitions held during 2017-18.
- Bhomika T. K. Participated and Won First Prize in VTU KHO-KHO Tournament in Inter-college competitions held during 2017-18.
- Manjunath Participated and Won Second Prize in VTU KHO-KHO Tournament in Inter-college competitions held during 2017-18.
- Ravindra M. Poojari Participated and Won First Prize in Running -1500 mtrs in Inter-college competitions held during 2017-18.
- Bindu Participated and Won First Prize in 400 mts Relay in Inter-college competitions held during 2017-18.
- Bhomika T. K. Participated and Won Second Prize in Nail Art organized by Oxford Milana-18 held during 12/4/2018.
- Sanjay Hegde and Vinod Kumar K. participated in State Level Technical Exhibition organized by Mahatma Gandhi Institute of Rural Energy and Development held on 27th and 28th April 2018.
- Basavaraj participated in Workshop “How to Crack Gate” organized by Lakshya Gate held on 3/9/2017.



Innovate ME 2K17 competition



Nationwide competition on Legal Rights for Women

DEPT. OF MECHANICAL ENGG.

Dr. Mahendra Motilal Dhonagadi

Prof. and HOD



DEPARTMENTAL ACTIVITIES

- A Guest Lecture on “Heat and Mass Transfer and Its Application” by Dr. Seenappa, Professor, Govt. Engineering College, Ramanagara during 5th April 2018.
- A Guest Lecture on “Kinematics of Machine Its Application” by Dr. Srinavas Reddy, Professor, Govt. Engineering College , Ramanagara during 5th April 2018.
- ROBOTICS-WORKSHOP: A two day workshop on “Robotics” has been organized by “Infinos Technology” at TOCE from October 26th to 27th 2017. The aim of the workshop is to foster interest in various aspects related to robotics; in particular, mechanical design.
- REFRIGERATION AND AIR-CONDITIONING-WORKSHOP: A three day workshop on “Refrigeration and Air-Conditioning” has been organized by “Prinston Smart Engineers” at TOCE from October 26th to 27th 2017. Depicting the working concept and analysis of refrigeration and air conditioning equipment and their performance standards
- CATIA –Workshop: A three day workshop on “CATIA” has been organized by “Winsun Global Tech” at TOCE from November 9th to 11th 2017. The objective of the workshop is to provide the students with a broad skill set for using CATIA V5.

VISION

To become the center of excellence to provide the state of the art engineering education in mechanical engineering and making individual to be capable of building nation in the new millennium.

MISSION

M1: To provide excellent teaching and learning process for the students to meet the current needs and standards of the industries and higher learning process.

M2: To promote research and development activity in the recent emerging trends of mechanical engineering branch.

M3: To provide the students with good communication skill, lifelong learning, team spirit and leadership qualities to face the current society.



Robotics-workshop



Refrigeration and air-conditioning-workshop



CATIA –Workshop

CONFERENCE/WORKSHOP/FDP ORGANIZED:

DATE	NAME OF THE WORKSHOP/ CONFERENCE	SPONSOR (IF ANY)	NO. OF PARTICIPANTS
24-25 MAY 2018	NCSEM	TOCE	150

JOURNAL/CONFERENCE PUBLICATION

- Dr. Narayana B. Doddapattar, Chandrashekar and Y. Vijaya Kumar published paper titled, "Design and Study of the Effect of Multiple Machining Parameter in Turning of AL6063T6 using Taguchi Technique International Journal for Engineering Research and Technology, ISSN-2278-0181, May 2018.
- Optimization of Machining Parameters in Turning AL6063T6 through Design of Experiment, International Journal for Engineering Research and Technology, ISSN-2278-0181, May 2018.
- Mr. Anup M. Upadhyaya, published paper titled "Structure Design of Photonic Crystal Based MOEMS Accelerometer Sensor for Supplemental Restraint System in Automobile Passenger Safety" , Indian Journal of Science and Technology, Thomson Reuter Publication, Volume 10, issue 29, 29th August 2017.
- Mr. Anup M. Upadhyaya published paper titled "MOEMS based micro displacement sensor for antitheft device in vehicle security system", Grenze International Journal, Mcgraw-hill Publication, 978-93-526079-8-3, September 2017.
- Mr. Anup M. Upadhyaya presented paper title Design of MOEMS Based Displacement sensor for detection of muscle activity in human body during January 2018 in INDIACOM – 2018, New Delhi.
- Mr. Anup M. Upadhyaya presented paper title "Optical MEMS Based Micro Displacement sensor using photonic Crystal for crank positioning in Automobile" during January 2018 in INDIACOM – 2018 conference proceeding, New Delhi.

FACULTY ACHIEVEMENT

- Satish D. G. (Asst. Professor) has completed course work of PhD in Bangalore University.
- Varun K. R. (Asst. Professor) has completed course work of PhD in Bangalore University.
- Vinay V. (Asst. Professor) has completed course work of PhD in VTU.
- Rangu P. (Asst. Professor) has registered for PhD under VTU and taken course work examination.
- Shivakumar M (Asst. Professor) has registered for PhD under VTU.
- Vidhyadhar Pujar (Asst. Professor) has completed comprehensive viva of PhD work under VTU.

AWARDS WON BY FACULTY

100% RESULTS: RAVIPRAKASH M, VIDYADHAR PUJAR, RAHUL D, CHETAN

STUDENT TOPPERS IN THE YEAR 2017

EVEN SEMESTER - June/July 2017

SEM	USN	NAME	MARKS %
II	10X16ME023	Gaurav Rathi	89
	10X16ME055	Nandini M N	85
IV	10X15ME003	Abu James	67
	10X15ME032	Ganesh A Kunte	65
VI	10X14ME038	Kishan Kumar S	80
	10X14ME037	Kiran Kumar S	79
VIII	10X13ME071	Muthu Selvan	72
	10X13ME055	Jyotisman Borah	71

SPORTS REPORT

Mr Thimmanna A S (Runners-Hockey) and Swaraj Shetty (2nd prize - Kabbadi) during the intercollege sports completion during.

INDUSTRIAL VISIT

- The Students of III semester have visited BVR Industries at Bangalore on 18th Oct 2017.
- The Students of VII semester have visited GTTC at Mysore on 4th Nov 2017.



BVR industries, Bangalore



GTTC, Mysore

DEPT. OF BIOTECHNOLOGY

Dr. B. K. Manjunatha
Prof. and HOD



Biotechnology is a multi-disciplinary field having applications in multiple fields including health care, agriculture, industrial and environmental uses. It has encompassed all the fields of life and technology, and is currently a multi-billion enterprise. This rapidly advancing branch was initiated in our college in the year 2003. Since then, the Department is growing vertically in terms of academics, research, co-curricular and extra curricular activities facilitating the all round growth of students. The Department is permanently affiliated to VTU and has been accredited by national board of accreditation & NAAC. The Department has bagged ranks in both UG and PG programs.

The Department has excellent infrastructure involving well maintained classrooms and highly equipped laboratories which are designed for today's technological challenges. The Department is doing outstanding research work in two university approved Research and Development (R&D) centres, the Centre for Natural Products & the Center for Computational Medicinal Chemistry in Drug Discovery. In these R&D centers, several funded research projects have already been conducted and continuing. Research grants have been received from various national and state government funding agencies like DRDO-NRB, DAE-BRNS, AICTE, VGST-KFIST, VTU, KSCST and NIF. These projects are instrumental in strengthen our core research activities which are beneficial to both students and staff. They have also generated sufficient amount of funds to equip our department with necessary instrumentation and other requirements. Highly qualified and seasoned faculties who are capable of nurturing the overall growth of students are also actively involved in conducting various programmes and activities in the Department.

FACULTY ACHIEVEMENTS

Funded projects

- The Department has obtained a project grant of Rs 6 thousands from KSCST (SPP – 41st series 2017-18) for the project titled “Construction and designing of biopile for ex situ remediation of used oil /toxic hydrocarbons using fungal consortium” for the student group of Sriraksha H G, Durgashree C, Drishya T D and Sisira Anil, and under the guidance of Prof. B. K. Manjunatha.
- The Department has obtained a project grant of Rs 5 thousands from VTU for the project titled “Construction and designing of biopile for ex situ remediation of used oil /toxic hydrocarbons using fungal consortium” for the student group of Sriraksha H G, Durgashree C, Drishya T D and Sisira Anil, and under the guidance of Prof. B.K.Manjunatha and Mrs. K.Valarmathy.
- The Department has obtained a project grant of Rs 5 thousands from VTU for the project “Isolation and Characterization of Methanogenic bacteria from local environment and Comparative study of kinetics with traditional biogas producers” for the student group of Jhansi V., S. Niveditha and Harshitha Ananthrama, and under the guidance of Ms. Salma Kausar M. and Mr. Divakara R.

Patent filing

Patent on Method & System for Degradation of Oil using Green Technology has been filed successfully. (Application No. 20171042005) Praveen Kumar S. V. and Manjunatha B. K.

Awards won by faculty

Publications

Sl. No	Authors	Paper title	Journal	Year of publication
1.	Manjunatha B K and Praveen Kumar S.V	Enhanced crude oil degradation using the bacterial formulation, characterization, bio-surfactant screening and optimization studies	International Journal of Bioremediation & Biodegradation	Aug 2017, 1, pp 1-9
2.	Tanusree Choudhury	Identification of the multicancer gene expression biomarker with respect to drug target interaction	International Journal of Recent Trends in Engineering and Research, IJRTER	2017, 3(4), 123-130

3.	Tanusree Choudhury	Screening of Novel Phytochemical, Cytotoxic, anti angiogenic compounds effective against majority types of cancer	12th India.com; 2018 5th International Conference on Computing for sustainable global development	2017, IEEE ID:42835
4.	K. Valarmathy	16s rDNA Based identification of bacteria in the organic matter of Pachamalai forested streams	International Journal of Comprehensive Research in Biological sciences	December 2017, 4(12): 1-10
5.	K. Valamathy and R Stephan	Organic matter decomposition by aquatic fungi in the Pachamalai forested stream contributed by streambed substrata	International Journal of Advanced Multidisciplinary Research	2017, 4 (6), pg 105-116
6.	K. Valamathy and R Stephan	Organic matter availability structures of microbial biomass and their activity in Pachamalai forested stream in Tamil Nadu	International Journal of Advanced Research in Biological Sciences	2017, 4(7), pg 209-217
7.	Syed Murthuza, & Dr. B. K. Manjunatha	Radioprotective and immunomodulatory effects of Mesua ferrea (Linn.) from Western Ghats of India., in irradiated Swiss albino mice and splenic lymphocytes	Journal of Radiation Research and Applied Sciences	Jan 2018, 11(1), pp 66-74
8.	Dr. B. K. Manjunatha, Dr. Suma T. K., Valarmathy K.	Inhibition Studies of ALP on Heavy Metal Ions for the Design of Enzyme Based Biosensor to Heavy Metal Ions	International Journal of Engineering, Technology, Science and Research (IJETSR)	April 2018, 5(4), pp 75

Conference/workshop attended

Sl. No	Names	Title	Conference/workshop attended	Year	Organized by
1.	Divakara R., Valarmathy K., Dr Suma T. K., Salma Kausar, Sindhu R., Shambhu M. G.	Enhancing the Quality of Teachers – Transformational Teaching	Faculty Development Program	2nd and 3rd August 2017	Dept of Management Studies, TOCE
2.	Mrs Valarmathy K., Dr Suma T. K.	Bengaluru INDIA NANO	Conference	7th and 8th December 2017	Department of Science and Technology, Govt of Karnataka and JNCASR, Bengaluru
3.	Dr. B.K.Manjunatha, Ms. Salma Kausar	Know your Intellectual Property Rights - Patent Awareness Workshop	Faculty Development Program	28th and 29th December 2017	DST-TIFAC, Govt of India in association with KSCST. Bengaluru and VTU, Belagavi
4.	Dr. B. K. Manjunatha, Divakara R., Valarmathy K, Dr Suma T. K., Salma Kausar, Shambhu M. G	World class new product design and manufacturing	FDP	1st to 13th January 2018	AICTE sponsored FDP organized by Dept. of Automobile Engg. TOCE
5.	Dr. B. K. Manjunatha	Radioprotective efficacy of Mesua ferrea (Linn.) in irradiated Swiss albino mice from Western Ghats of India	Paper presentation in Conference	18th and 19th of January 2018	10th Annual KSTA conference on Science and technology for future of humanity, Reva University, Bengaluru

6.	Mr. Divakara R	Biogenic Synthesis of Functionalized Antibiotic Nanoparticles from Actinomycetes	Paper presentation in Conference	18th and 19th of January 2018	10th Annual KSTA conference on Science and technology for future of humanity, Reva University, Bengaluru
7.	Ms. Sindhu R	National conference on Recent Advances in Food Production and Processing Technologies	Conference	3rd February 2018	Jain University, Bengaluru
8.	Mrs. K Valarmathy, Dr. Suma T. K. and Mr. Divakara R.	Basic Animal Cell Culture and Molecular Biology Techniques	Industrial Training Programme	5th to 10th March	Genelon Institute of Life Sciences Pvt Ltd, Bengaluru
9.	Mrs. Tanusree Chaudhury	Understanding of human disease through network analysis" in "Emerging Trends in Biophysics	Paper presentation in Conference	March 9 to 11, 2018	42nd Annual Meeting of the Indian Biophysical Society (IBS-2018)) held in Pune, Maharashtra
10	Dr. B. K. Manjunatha	Aiming for excellence pathways to institutional advancement through research	One day workshop	15th March 2018	organized by AICTE and Clarivate Analytics at The Oxford Science College, Bangalore
11	Dr. B.K. Manjunatha	VTU workshop on AICTE model curriculum	One day workshop	22nd Mar 2018	BMS college of Engineering
12	Ms. Salma Kausar	Synthesis and characterization of functionalized nanoparticles of lignin isolated from Leucas aspera	Paper presentation in Symposium	23rd March 2018	National Level Symposia Chem excel 2018, held in Bapuji Institute of Engg and tech, Davanagere



Mr. Divakar (Assistant Prof.), Syed Murthuza (SRF) and Praveen Kumar (SRF) at KSTA Conference



Keynote Lecture delivered by Dr. Sundareshan, CIMAP, Bengaluru at NCSEM-2018-BT track



Miss. Sindhu R (Assistant Prof.) at Jain University



Dr. B.K. Manjunath, Professor & Head honoring Principal at NCSEM-2018

Student achievement

Conference/workshop attended

- Smriti Arora, Aishwarya B and Aditi M of 7th sem participated in "Frontiers in Bioinformatics: Large scale data analysis, resources and drug design" organized by IIT Madras - Tokyo Tech, IIT Madras on 10th and 11th November 2017

- Nida R Khan, Madhukini S, Nivaditha S, Priyadarshini M, Nisha S, Naziya Saba, Shruthi L of 8th Sem BT participated in Bengaluru INDIA NANO, organized by the Department of Science and Technology, Govt of Karnataka and JNCASR, Bengaluru on 7th and 8th December 2017
- Inchara, Daaniya Belgami, Almas Fatimah, Sisira Anil, Smriti Aurora, Sriraksha, Jhansi V of 8th Sem BT participated in Bengaluru INDIA NANO, organized by the Department of Science and Technology, Govt of Karnataka and JNCASR, Bengaluru on 7th and 8th December 2017

Papers published

- Praveen Kumar S. V., "Enhanced crude oil degradation using the bacterial formulation, characterization, bio-surfactant screening and optimization studies", International Journal of Bioremediation & Biodegradation, International Journal of Bioremediation & Biodegradation, Aug 2017, Vol 2017, issue 1, pg 1-9.
- Sidharth A, Ankita Verma, Varuni MA, "Identification of the multicancer gene expression biomarker with respect to drug target interaction", International Journal of Recent Trends in Engineering and Research, IJRTER, 2017, 3(4), 123-130.
- K Soundarya Vadhulas and B S Rithu, "Screening of Novel Phytochemical, Cytotoxic, anti angiogenic compounds effective against majority types of cancer", 12th India.com; 2018 5th International Conference on Computing for sustainable global development, IEEE ID:42835, 5th International Conference on Computing for sustainable global development.
- Syed Murthuza, "Radioprotective and immunomodulatory effects of Mesua ferrea (Linn.) from Western Ghats of India., in irradiated Swiss albino mice and splenic lymphocytes", Journal of Radiation Research and Applied Sciences, Volume 11, Issue 1, January 2018, Pages 66-74.

Paper presentations

- K. Soundarya Vadhulas presented a paper on "Screening of Novel Phytochemical, Cytotoxic, anti angiogenic compounds effective against majority types of cancer", at 12th INDIA.com; 2018 5th International Conference on Computing for sustainable global development, organized by BVICAM, New Delhi at New Delhi from 14th to 16th March 2018.
- Pooja V and Kala Sai Sarwani presented a paper on "Synthesis and characterization of functionalized nanoparticles of lignin isolated from Leucas aspera" at the National Level Symposia CHEMEXCEL 2018 at the Bapuji Institute of Engineering and technology, Davanagere on 23rd March 2018.
- Sriraksha HG and Durgashree C of 7th Sem presented a poster on Crude oil/PAH degradation and optimization studies using Stenotrophomonas rhizophila KX082814 strain through response surface methodology using Box-Behnken design" in the "International conference on potential impacts of pesticides on environment and human health" organized by Dayanand sagar University, Bengaluru from 2nd to 4th November 2017.

Poster presentations

- Chetan H. and Shujaat Afzal of 8th Sem presented a poster on "Construction of Cancer Diseaseome through Graph Theoretical Approach" at the 42nd Annual Meeting of the Indian Biophysical Society titled "Emerging Trends in Biophysics" held from 9th to 11th March 2018 at the Indian Institute of Science Education and Research, Pune.
- Kala Sai Sarwani and Pooja V of 6th Sem presented a poster in the National Level Students' Symposium CHEMEXCEL – 2018 organized by Department of Chemical Engg., Bapuji Institute of Engineering and Technology, Davanagere on 23rd March 2018



K Soundarya Vadhulas of 8th Sem at 12th INDIA.com; 2018 at New Delhi



Pooja V and Kala Sai Sarwani of 6th Sem at CHEMEXCEL 2018 at Davanagere



Students of 8th Sem at Symposium at IIT Madras



Lakshmi S and Mounika S of 8th Sem in poster presentation at NCSEM 2K18

Co-curricular activity

FDP organized

A faculty development program “Know your Intellectual Property Rights” was conducted on 28th and 29th December 2017 in The Oxford College of Engineering. This was a Two day FDP and Patent Awareness Workshop organized by the Departments of BT, CSE and ECE of TOCE., in association with KSCST and VTU, Belagavi. The main aim of the workshop was to impart greater awareness of IPR, the Indian IPR policy and patent procedures.



Participants of TIFAC FDP

Workshop conducted

- The Dept. of BT had organized a Two days workshop on Genomic Informatics in association with Bionivid Pvt Ltd, Bengaluru on 27th and 28th October 2017. The two guests on this occasion were Dr S G Sreekanteswara Swamy, Principal Scientific Officer and Executive Secretary, KSCST and Mr. Avinash Dhar, Senior Genome Analyst, Bionivid Pvt Ltd, Bengaluru. The two talks were on genomic applications in medical field and data analysis of NGS. On second day, an expert lecture and hands on training were included.



Technical talk and certificate distribution by Mr. Avinash Dhar, Bionivid Pvt Ltd, Bengaluru during two days workshop on Genomic Informatics

- A two days workshop on “Binding affinity and ADMET in Drug Discovery and candidate selection” was organized in association with Zastra Innovations Pvt. Ltd, Bengaluru on 4th to 5th April 2018. In the first technical session, Dr. Girinath G Pillai, CEO, Zastra Innovations Pvt. Ltd, Bengaluru delivered a talk on Bioaffinity calculation and scoring function formula related to structure activity relationship and water solubility values. Second Technical session included Hands on training on how to screen molecules using FlexX software with 2D SAR.



Technical talk and certificate distribution by Mr. Avinash Dhar, Bionivid Pvt Ltd, Bengaluru during two days workshop on Genomic Informatics

Industrial visit

- An industrial visit was organized to Defense Food Research Laboratory and Coffee Board of India, Mysore on 22nd September 2017 for VII semester students, accompanied by two faculty members, Mrs K Valarmathy and Mr. Shambhu MG.



Industrial visit to DFRL and COFFEE BOARD, Mysore by 2014-18 batch students

- An industrial visit was organized to CFTRI, Central Food Technological Research Institute, Mysore on 7th May 2018 for VI semester students, accompanied by two faculty members, Mr Divakara R and Ms. Salma Kausar.



Industrial visit to CFTRI, Mysore by 2015-19 batch students

Guest lectures

- A guest lecture was delivered on “Recent trends on Q-PCR and RT-PCR techniques in life sciences” by Dr. Raghu N, CEO, Genelon Institute of life sciences Pvt Ltd. Bengaluru on 7th September 2017
- A guest lecture was delivered on “E-waste Management in urban cities” by Dr. S. G. Sreekanteshwara Swamy, Executive Secretary KSCST Indian Institute of Science on 27th October 2017
- A guest lecture was delivered on “Career opportunity in clinical research” by Ms. Divya Prabha, Regional head ICRI (Institute for clinical research & healthcare) Bangalore on 29th October 2017
- A guest lecture was delivered on “Global Education awareness” by Mrs. Shobana C, Business Development Manager, Manya-The Princeton Review, Bengaluru on 23rd February 2018
- A guest lecture was delivered on “Biowaste based Nanoparticles and their innovative biomedical applications” by Dr. Gurusurthy Hegde, Head Centre for Nanomaterials and Display, BMS R & D Centre, Bengaluru on 9th March 2018
- A guest lecture was delivered on “Technology commercialization strategy” by Mr. N. G. Lakshminarayan, Chief-Business Development, NRDC, Headquarters, New Delhi on 30th April 2018



Guest lecture by Ms. Divya Prabha, Head, ICRI. Bangalore



Guest lecture by Dr. Raghu N, CEO, Genelon Institute of life sciences Pvt Ltd. Bengaluru

Extra -curricular activities



Short film making in IMPULSE



Technovation in IMPULSE



Student performance in MAD ADS during MILANA 2018



Student performance in MIME during MILANA 2018



Student felicitation for KSCST funded project during MILANA 2018



Staff felicitation for 100% results during MILANA 2018

Awards won by students (intercollegiate competition)

- Shravya V. bagged the First Prize in the Genie Test 2017 conducted by the Dept. of Mechatronics, TOCE on 12th Oct 2017 & Tahmina Aslam got the Third Prize in Elocution Competition organized in association with Vijaya Bank on 2nd Nov 2017
- Tahmina Aslam, Shravya V, M Goutham, Prava Sharma, Akshat Jaiswal, BRSiddharth participated in the OXQUIZITES'17 conducted by The Oxford Group of GNU/Linux Enthusiasts, Dept. of CSE, TOCE on 8th Nov 2017
- Kala Sai Sarwani of V Sem participated in "AGAROSH National Level Agar Art Contest", organized by the Dept. of Zoology, St Berchmans College, Kottayam, Kerala on 20th Nov 2017
- Kala Sai Sarwani and Ms. Pooja V of VI Sem won FIRST place in poster presentation competition held during National Level Students' Symposium Chemexcel – 2018 organized by Department of Chemical Engg., Bapuji Institute of Engineering and Technology, Davanagere on 23rd March 2018
- SriRaksha HG, Durga Shree, Drishya and Sisira Anil participated in the College level project Exhibition held for all VTU sponsored projects for their project entitled "Evaluation of bio remediation efficacy of T-2 and BNG-05 strains in used engine oil degradation" in The Oxford College of Engg., Bengaluru on 15th June 2018
- Harshitha Anantharama, Jhansi V and S. Niveditha participated in the College level Project Exhibition held for all VTU sponsored projects for their project entitled "Isolation & characterization of methanogenic bacteria from local environment and comparative study of kinetics with traditional biogas producers" in The Oxford College of Engg., Bengaluru on 15th June 2018.

Sports

- Urvi Narayan (III Sem) and Punya L Gowda (V Sem) won second place in singles and doubles of Inter-department Table tennis (women) tournament held at TOCE in August 2017
- Krithika Venkatesh (VII Sem), Geetha Bai (V Sem) and Tahmina Aslam (V Sem) won the First prize in Inter-department chess (women) tournament held at TOCE in August 2017
- Urvi Narayan (IV Sem) and Punya L Gowda (VI Sem) won first place in singles and doubles of Inter-department Table tennis tournament held at TOCE on 19th and 20th of February 2018
- Elamparuthee (IV Sem) and team won first place in Bangalore Zone kabaddi tournament and second place in Inter-zonal level kabaddi tournament in 2017-18.



DEPT. OF CIVIL ENGINEERING

Dr. Amarnath K
Prof. and HOD

The Department Of Civil Engineering consists of Following areas of Technical Specialization : Structural Engineering, Construction Technology and Management, Highway and Transportation Engineering, Environmental Engineering, water resource and hydraulic engineering, Surveying and Geographical Information System (GIS). In addition Department is also offering two years Post graduation Program M.Tech in Structural Engineering and also Ph.D Program.

The Department has seven laboratories for UG, PG as well as Ph.D programs with state of art of the equipment. Keeping ourselves up to date with latest developments in this fast advancing technical world is important and hence we have a set of dedicated, hard working faculty team in our department. The Department Continuously strives very hard to provide world class facilities for education and research.

RESEARCH PAPER PUBLISHED

- Abdul Muizz, Dr. B K Raghu Prasad, Dr. Amarnath K, "A study on the dynamic behaviour of tall buildings" published in IJCRT, Volume 6 Issue 2 June 2018.
- Anushree, Dr. B K Raghu Prasad, Dr. Amarnath K, "Study on plan irregularity effect on performance of high rise buildings" published in IJCRT, Volume 6, Issue 2, on April 2018.
- Praveen Vidyadhar, Mr. Shivanand C G, "Seismic analysis of multi storey RC Buildings with base isolation system" published in IJCRT, Volume 6 on June 2018.
- Lakshmi G, Dr. B K Raghu Prasad, Dr. Amarnath K, "Seismic analysis of tall RC buildings with rigid and flexible slabs" published in IJCRT, Volume 6, Issue 2, on June 2018.
- Gurushanthappa Harasur, Dr. B K Raghu Prasad, Dr. Amarnath K, "Seismic analysis of multi storey RC frame with multiple irregularity" published in IJCRT, Volume 6, Issue 2, on June 2018.
- Namratha B K, Dr. B K Raghu Prasad, Dr. Amarnath K, "Effect of storey on performance of high raised structure" Published in IJCRT, Volume 6, Issue 2, June 2018.
- Rakesh.S, Mr. Arun Kumar B.N, "Seismic response study of multi storeyed reinforced concrete building with fluid viscous dampers" published in IJCRT, Volume 6 Issue 2, June 2018.
- Mrs. S.Karuna, Zulfekhar, "Comparative study of regular and irregular RC Building considering the effect of Infill" Published in IJCRT, Volume 6, Issue 2, June 2018.
- Karthik Kumar V, Justin K Mathews, Karthik H, Gowtham DH, Mr. Amruth K, "Odour regulation – A solution to control odour from municipal solid waste management plant." Published in IJCRT, Volume 6, Issue 2, June 2018.

DEPARTMENTAL ACTIVITIES:

- Guest lecture on Technical Training by Mr.R.Suresha, Mr.Roy, Ms.Dipali, Mr.Nagaraj from School Of Construction management excellence, ANPCPMC pvt.ltd. from 5th march 2018 to 10th march 2018.
- Guest lecture on AUTOCAD Training by Mr.Sajid, From Educad, on 10th April 2018.
- An Extensive Survey Camp was Conducted for the fifth semester students according to the syllabus of VTU, where they were taken to Kaiwara a place in chikkaballapur district of the state of Karnataka in January 2018.

VISION

To impart very high quality education to the students to make them do innovative sustainable engineering relevant to industry and people at large.

MISSION

To emphasize on basics of engineering as well as their applications relevant to the industry and to serve the society with due consideration of economy, ecology and ethical issues of nation. To sensitize the students and faculty to take up research and consultancy to be on par with international standards.

CONFERENCE OR WORKSHOPS ORGANIZED

- National Conference of science engineering and management which was sponsored by computer society of India, The Institution of Electronics and telecommunication Engineering, Indian Society of Technical Education was organized on 24th and 25th may 2018.
- CONFERENCE OR WORKSHOP ATTENDED BY FACULTY
- Mr. MANJUNATH G.S, attended a Faculty development program organized by Dayanand Sagar Academy of Technology and management from 8th January 2018 to 10th January 2018.
- Mrs. Karuna.S attended a workshop on Repair and Rehabilitation of Distress Structures organized by Brindavan College of Engineering, from 5th February 2018 to 10th February 2018.
- Dr. Malleshaiah.T.S and Mr.Mahesh Kumar attended a workshop on new model curriculum for first year BE/B tech-cbcs detailed syllabus as per outcome based education, organized at BNM Institute Of Technology.



Guest Lecture on Technical Training



Autocad Training Given By Mr.Sajid



Students and Faculties at survey Camp

ACHIEVEMENTS OF STUDENTS:

Academic Achievements, Research Projects, Grants etc.:

Sl.No	Author	Title	Award
1	Karthik Kumar, Karthik H, Justin M, Gautham D H	Odour regulation-a solution to control Odour from municipal solid waste treatment plant	Received Rs.5000 from VTU as research Grants
2	Kushal, Nisarga, Prabhu, Bharath Kumar	A study on preparation of feasibility report for implementing straddling bus technology for Bangalore.	Received Rs.5000 from VTU as Research Grants

Achievements in Sports :

- A student by the name of Inchara and her team won third prize for participating in VTU Inter college Kabaddi Tournament and her team also won fourth prize for participating in VTU inter college Hockey Tournament in the girls section which was organized by VTU in Even Semester of academic year 2017-2018.
- Pavan B T, Akarsh Kerlapura, Basuraj M and Irfan received Third prize for participating in Kho-Kho championship in boys section which was organized by the college on Sports Day Event on 16th March 2018.

TOPPERS LIST:

UG (DEC-JAN 2017/2018 Exam)

SL NO	SEM	NAME OF THE STUDENT	%
1	1st	SWETHA.P	86
		ABHISHEK.B	81
		SUSHMA.G	81
2	3rd	NAGANAVEEN.J	84
		PRAVEEN ANJUTAGI	82
		NAGASHREE	79
3	5th	C.SUSHMA	87
		SRILAKSHMI A.S	85
		SANDHYAVENI/DINESH	83
4	7th	VIDYA.C	84
		PAVITHRA.V	81
		NISARGA	80

UG (JUNE-JULY 2018 Results)

SL NO	SEM	NAME OF THE STUDENT	%
1	8th	ASHA S	86
2	8th	NISARGA	84
3	8th	KARTHIK H	80



DEPT. OF AUTOMOBILE ENGINEERING

Dr. Raju .B.R
Prof. and HOD

VISION

To establish the department as a renowned centre of excellence in the area of scientific education, research with industrial guidance, and exploration of the latest advances in the rapidly changing field of Automotive Engineering.

MISSION

The Automobile Engineering Department will serve its students, industry and society by fulfilling the missions of discovery, learning, and engagement through the creation, dissemination and application of Engineering methods, knowledge and professional standards relevant to the practice of Automobile Engineering in the many aspects of Modern life where it plays a vital role.

Automobile Engineering is one of the specialized engineering disciplines. The concepts of which are required for the most of the engineers, as rightly reflected by curriculum framed by reputed Universities all over the world. This department started with intake of 60 students in the academic year 2011-12. PG Course M.Tech in Automotive Engineering is added in the year 2014-15 with intake of 18 Students.

Departmental Activities:

WORKSHOPS / FACULTY DEVELOPMENT PROGRAMME / CONFERENCES:

- The department has conducted AICTE sponsored Two Weeks Faculty Development programme (FDP) during 1st -13th January 2018. About 50 outside participants and 25 inside participants attended the FDP. We invited nearly 40 Resource persons from the various premier Automobile and Machine Tools Industries and also from reputed Engineering Technical institutions across the country for the benefits to the all participants.



FACULTY ACHIEVEMENTS:

- Dr. Raju B R professor and Head of Department appointed as BOE-Chairman to the Automobile Engineering Board for the academic year 2017-2018 by VTU ,Belgaum.
- Dr. Raju B R professor and Head of Department appointed as Member of B.O.S. to the Automobile Engineering for the CBCS Scheme 2016-2019 by VTU, Belgaum.
- Dr. Raju B R professor and Head of Department appointed as Member of B.O.E. to the Automobile Engineering for the academic year 2016-2018 by Dayanand Sagar College of Engineering, Bangalore.
- Dr. Raju B R professor and Head of Department appointed as Member of B.O.E. to the Automobile Engineering for the academic year 2016-2018 by New Horizon College of Engineering, Bangalore.
- Dr. Raju B R professor and Head of Department presented paper in International Conference on Emerging Trends in Mechanical Engineering ETME-2017 organised by Cauvery Institute of Technology, Mandya.
- All Faculty members have become a Life time membership of Indian Society for Technical Education (MISTE)

SL.NO	Faculty Name	Subject with Code
1	Dr. Raju B R	Management and Entrepreneurship (15AL51), Composite Materials (15AU663)
2	Mr. Harish Kumar M	Automotive engines(15AU44),Automotive electrical and electronic System(16MAU23) Two and three wheeled vehicle (10AU752)
3	Mr. Priyankar Dhole	Automotive engines and Components(15AU53), Automotive Transmission(10AU62)
4	Mr. Hemantha C	Alternate energy sources for automobiles(14MAU422), Earth moving equipments and tractors(10AU81)
5	Mr. Maruthi S B	Automotive power trains(14MAU23), Vehicle body Engineering(10AU72), Hybrid Vehicles(10AU841)
6	Mr. Raviteja R N	Noise Vibration and Harshness(14MAU24), Autotronics(10AU82), Automotive fuels and combustion(15AU54)
7	Mr. Sandeep K Chavan	Manufacturing techniques in automotive engineering(14MAU251), Alternative energy sources for automobiles(10AU834)
8	Mr. Deepak U S	Non Traditional Machining(15AU563)

STUDENT'S ACHIEVEMENTS:

VTU RANK HOLDERS

Sl. No.	USN	Name of the Student	VTU Rank
1	10X13AU028	SANJAY BASAVARAJ JALANNAVAR	4
2	10X13AU009	M NIKHIL	10

Student Topper- PG Course

Sl. No.	SEM	USN	Name of the Student
1	II	10X17MAU01	Mohammed Sadath

Students Toppers- UG Course

Sl. No.	SEM	USN	Name of the Student
1	III	10X160AU033 10X16AU034	Subramanya Sujay Satpute
2	V	10X15AU034 10X15AU017	Prathap R Singh Harishree Vaishnav
3	VII	10X12AU027 10X14AU021	Abhilash Inamdar Nischita L
4	VIII	10X14AU014 10X14AU014	Manjunath B Shreyas Shenoy

- Automobile students won the first prize and VTU championship in the kabbadi tournament organized by TOCE, Bengaluru.
- Automobile students won the first prize and VTU championship in the hockey tournament organized by TOCE, Bengaluru.
- Automobile students won the first prize in the state level inter collegiate kabbadi tournament organized by sai ram college of engineering, Bengaluru.
- Automobile students won the third prize in the VTU inter zone kabbadi tournament organized by yenopoya engineering college, Mangalore.
- All faculty members have involved in conducting national conference on Science engineering and management on 24th and 25th May 2018 held at our college.
- Dr Raju B.R published research paper on “ Investigation Performance and Emission Characteristics of Compression Ignition Engine Fuelled with Two Biodiesel Blends” in IJCRT.
- Dr Raju B.R published research paper on “Investigation On Mechanical And Tribological Characterization of Nano Particulate Filled Fiber Reinforced Hybrid Composites For Automobile Applications ” in IJCRT.
- Mr Sandeep Kumar Chavan published paper on “The Experimental Investigation of Low Velocity Impact on Glass Laminate Aluminium Reinforced Epoxy Material for Automobile” in IJCRT.
- Mr Maruthi S B published paper on “Troubleshooting of Two Wheeler Fuel Injected Vehicles by Implementing Universal Diagnostic Tool-Es300” in IJCRT.
- Mr Hemantha C published paper on “Study of Implementing an Electrostatic Precipitator on Vehicles” in IJCRT.
- Mr Harish Kumar M published paper on “Fabrication Of Electrical Motorbike ” in IJCRT.
- Mr Priyankar Dhole published paper on “Curbing the Use of High Beam inside the City Based on the Speed of the Vehicle” in IJCRT.
- Mr Prasanna Kumar M published paper on “Transmission of Power to the Bicycle by Using Constant Force Spring” in IJCRT.
- Mr Priyankar Dhole published paper on “Analysis of Turbocharger for reducing Turbo Lag” in IJCRT.
- Mr Harish Kumar M published paper on “Experimental Investigation of Mechanical Characteristics Of Glare Laminates(Al 2024 T3) With Different Stacking Sequences ” in IJCRT.
- List of funded projects sanctioned under 41st series to the “Karnataka state council for science and technology”(KSCST) for the academic year 2017-18

SL.No	PROJECT	TITLE OF THE PROJECT	NAME OF THE GUIDE/S	SANCTIONED AMOUNT
1	41S_BE_1601	Investigation on the Mechanical and Tribological Characterization of Nano Particulate Filled Fiber Reinforced Hybrid Composites for Automobile Application	Dr. RAJU BR	6500
2	41S_B_BE_038	Performance and Emission Characteristics of Internal Combustion Engine Fuelled with Two Bio-Diesel Blend	Dr. RAJU BR	12000

Technical Training by Placement Cell:

Training on ANSYS software was conducted to final year students from the period of 5th March 2018 to 10th March 2018 by NOVA GLOBAL TECHNOSOFT PVT. LTD.

DEPT. OF MECHATRONICS ENGINEERING

Dr. Rohini Deshpande
Prof. and HOD



Mechatronics Engineering is that branch of engineering that deals with all practical aspects of various technologically advanced systems in which electro mechanical systems are integrated. In this branch, students study about mechanical systems with electronic and intelligent computer control. The students also learn about System Modeling, System Integration, Micro Devices, Opto-Electronic Systems, Robotics, etc. A Mechatronics engineer integrates the principles of mechanics, electronics, and computing to generate a simpler, more economical and reliable systems. The term “Mechatronics” was coined by Tetsuro Mori, the senior engineer of the Japanese company Yaskawa in 1969. An industrial robot is a prime example of a Mechatronics system. This department started with intake of 60 students in the academic year 2011-12 with well framed curriculum. Since then four batch of students have passed out with distinguished credentials. Department is well recognized in VTU due to its maximum rank holders.

VISION

To develop Department of Mechatronics Engineering as a leading educational and research program with maximum demand among worldwide Mechatronics Industries.

MISSION

To contribute to the socio economical needs of the country by providing research oriented outstanding education in Mechatronics Engineering with diversified skills.

Departmental Activities:

- Guest / Expert lectures: Guest lecture on “Artificial intelligence” by Dr. Suresha, Principal, SVCE, is conducted on 25-09-2017 under Mechatronics Engineering Dept.

Workshops/Conferences attended by staff members:

- Dr. N B Doddapattar attended National conference on “Recent trends in mechanical engineering” conducted by Vemana Institute of Technology, Koramangala on 21st & 22nd April 2017.
- Ms. Neetha N attended National conference at GSS Women’s college of engineering on 22nd May 2017.
- Mrs. Rajeswari M attended AICTE sponsored two weeks FDP Program on “WORLD CLASS NEW PRODUCT DESIGN AND MANUFACTURING” conducted by Automobile department in TOCE 1st - 13th JANUARY 2018.
- Mrs. Premala attended AICTE sponsored two weeks FDP Program on “WORLD CLASS NEW PRODUCT DESIGN AND MANUFACTURING” conducted by Automobile department in TOCE 1st - 13th JANUARY 2018.
- Mrs. Rekha attended AICTE sponsored two weeks FDP Program on “WORLD CLASS NEW PRODUCT DESIGN AND MANUFACTURING” conducted by Automobile department in TOCE 1st - 13th JANUARY 2018.
- Ms. Rani Aishwarya attended AICTE sponsored two weeks FDP Program conducted Program on “WORLD CLASS NEW PRODUCT DESIGN AND MANUFACTURING” by Automobile department in TOCE 1st - 13th JANUARY 2018.



Felicitating Dr. Suresha



Session time

FACULTY ACHIEVEMENTS:

100% Result achieved by faculty

S.NO	FACULTY NAME	SUBJECT	SUBJECT CODE
1	Rajesh	Safety And Security of Mechatronics System, Nano Technology	10MT765 10MT831
2	Rajeswari M	Wireless Networks	10MT73
3	Ashoka T K	Reliability And Fault Tolerance	10MT82
4	Ravi Jadhav	Automation in Manufacturing, Robotics and Machine Vision	15MT562
5	Premala	Virtual Instrumentation	15MT52
6	Rekha	Rapid Prototyping	10MT82
7	Rani Aishwarya	Artificial Intelligence	10MT753

100 OUT OF 100 IN SUBJECTS

YEAR	STUDENT NAME	STUDENT USN
1st YEAR	AFNAN PASHA	10X16MT002

VTU Rank holders (2016-17):

No.	USN	Student Name	Rank
1	10X13MT033	RAJESHWARI PREMANAND	2nd
2	10X13MT014	DENVER AKSHAY L	6th
3	10X13MT010	B MOHAN KUMAR	10th

Student topper's list:

NO	YEAR	STUDENT NAME	USNo.	%
1	I	AFNAN PASHA	10X16MT002	8.8
		MEGHANA V	10X16MT023	8.2
2	II	ARNOLD SACHITH A HANS	10X15MT005	9.14
		MOHITH BANSAL	10X15MT023	8.43
3	III	KIRAN S PATIL	10X14MT022	85%
		MONICA M	10X14MT028	84%

Student's achievements:

- Robsom, Arnold, Mohit & Nitin (4th semester) attended the "INTER COLLEGE ROBOTIC COMPETITION ROBOTEER-2017" held at GSSSIETW, Mysuru.
- Mr. Arnold Sachith (4th sem) participated in the NATIONWIDE IDEATHON CONTEST organized in the Nov-Dec 2016 at St. Aloysius College Mangalore and was short listed to attend the Nobel prize series - India 2017 held at Gandhinagar, Ahmedabad, Gujarat.
- Mr. Arnold Sachith (4th sem) secured 1ST PLACE IN 'BAG THE JOB' competition held at Srinivas Institute of Technology, Valachil, Mangalore.
- Amin Fazal, Prajwal & team(6th semester) participated in the International Event Technoxian 2K17 held at Delhi.
- Mr. Arnold & Mr. Nithin (5th sem) secured 1st place for "FIRE DETECTING ROBOT WITH ALERTS" in unsung pioneers exhibition held as a part of imprints 27/09/2017, the National Level Science Fest.
- Mr. Robsom, Mr. Arnold, Mr. Nitin & Mr. Mohit (4th semester) bagged the 1st place in Maths exhibition for the project "INTEGRATION-A LIFE SAVER ANTI-COLLISION VEHICLE" held at The Oxford College of Engineering on 10/08/2017.
- Mr. Arnold Sachith Participated In the finale of FALLING WALLS LAB 2017, the innovative idea of HEXA-AGRICULTURAL ROBOT was selected among 276 ideas for the top 14[finale] which was held at IIT Madras, Chennai on 12th August 2017.

- Mr. Robsom, Mr. Arnold, Mr. Mohit & Mr. Nitin (4th semester) conducted a workshop on ELECTRONICS AND ITS APPLICATIONS for the high school students in St. Joseph High School, Vijayapura on 12/10/2017.
- Mr. Gadhiya Abhaykumar Dipakbhai and Mr. Mohit R Golecha, secured the 1st place in 'Masterpiece 2017' competition held at Dubai on 10/12/2017.
- Two final year students of projects are selected as best projects in college level and won cash prizes.
- Final year students of project "DESIGN AND FABRICATION OF LAKE CLEANING MACHINE" participated in Project Exhibition cum Competition 2018 in VTU.
- Mechatronics engineering students organized "INNOVATE ME 2K17" "GENIE TEST 2K17" & "PAINTING/SKETCHING 2K17" October 12th 2017-18 .
- Mechatronics engineering students Participated in MILANA 2018 and won the prizes.
- Mechatronics engineering students organized FASHION SHOW in MILANA 2018.
- Mr. Poojith V, Mr. Ajay Ayadukrishna, (6th semester) bagged the 1st place in Science exhibition for the project "PN TRANSMISSION OF SOUND THROUGH SKELETON " held at The Oxford College of Engineering on May 2018.
- Mr. Josh Elias, Mr. Mohammad Mansoor (6th semester) bagged the 2nd place in Science exhibition for the project "PN AGRICULTURAL ROBOT" held at The Oxford College of Engineering on May 2018.

The details of the students placed in the reputed companies:

Name	USN	Company Placed
RAJARAJESHWARI P	10X13MT033	TECH MAHINDRA, AMAZON
ROHAN N	10X13MT035	TECH MAHINDRA
MANOJ EMMANUEL R	10X13MT022	IBM, QSPIDERS
PAVAN VARADA	10X13MT408	IBM
DENVER AKSHAY L	10X13MT014	IBM, QSPIDERS
SHASHANK S KOWSHIK	10X13MT037	QSPIDERS, TCI, AMAZON
R.SHASHI KUMAR	10X13MT032	QSPIDERS
PRADEEP	10X14MT029	PAYPAL

Placement details:

Technical Training:

The following technical training are given to Mechatronics Engineering students.

- PLC & SCADA
- ANSYS
- EMBEDDED SYSTEM



Magazine Committee



DEPT. OF COMPUTER APPLICATION

Dr. M S Shashidhara
Prof. and HOD



The Department of MCA, which was started in the academic year 2001-02, has excellent infrastructure in terms of digital classrooms, a dedicated MCA Library and a centrally air- conditioned & networked computer laboratory. Master of Computer Applications (MCA) is a 3 Year Post-Graduate, 2 Year-Lateral Entry and MCA 2nd Year Direct Programmes affiliated to Vishveshwaraya Technological University (VTU), Belgaum, Karnataka, India and approved by All India Council of Technical Education (AICTE), New Delhi. Ranked one of the top 10 colleges in terms of intellectual capital and academic excellence by Business & Management Chronicle magazine in June/July 2014. Conducts IEEE Conferences, National & International Symposia, Workshops, FDPs

and Inter-collegiate Technical Fest Oxytech for nurturing students under Extra-Curricular activities. Organizes industrial –webinars, Webcasts, Visits & Expert Lectures regularly. Highly qualified & experienced teaching faculties and technical team. Excellent placement trainings, services and recruitments.

DEPARTMENTAL ACTIVITIES

- **STATE LEVEL –SUMMIT:** “Reforms in MCA Program and its Challenges” Discussed recommendations for unique MCA programme throughout the state and country to the concerned approval authorities of both state and central government. The symposium focused on various aspects of current scenario faced by MCA colleges in Technical and sustainable aspects of today’s market trends. It is an opportunity for all the participants to give their valuable suggestion and innovative ideas for betterment of MCA Programs in the Country. The Forum discussed about clarity of admission Process in MCA programs. Also, prepare recommendations for unique MCA programme throughout the state and country to the concerned approval authorities of both state and central government.
- **ORATORICAL COMPETITION: VIJAYA BANK VIGILANCE AWARENESS PROGRAMME:** The oratorical competition emphatically aimed to promote integrity, transparency and accountability in public life. The competition was contested among 30 participants from various departments of the college. The Winners were awarded with Cash prizes and certificates in the valedictory function. The Chief Guest was Mr. Shridharmurthy, Deputy General Manager & Regional Head, Vijaya Bank – Bangalore, South. Mr. Vinod Kumar Reddy, Regional Manager (DGM), RO-Bangalore South, delivered the Keynote Address.
- **Soft Skill Training** was conducted from 18th to 23rd September 2017 (5 days) by Seventh Sense Talent Solutions, Bangalore for 5th sem MCA students.
- **Spoken Tutorial Team of IIT, Bombay** in coordination with MCA Department conducted One day certification course on JAVA for 3rd Semester Students on 28th November 2017. 20 students attended the course and 18 of them have successfully completed.
- **Spoken Tutorial Team of IIT, Bombay** in coordination with MCA Department conducted One day certification course on PHP and MYSQL for MCA Semester Students on 9th may 2018. 65 students attended the course and 45 of them have successfully completed.
- **Cyber security & Malware Analysis:** Two days workshop conducted by MCA Dept, TOCE, Bangalore on 26th, 27th October 2017. Mr. Venkatesh Murthy K was the Chief Guest and delivered the Keynote Address. Mr. Sai Satish, Founder & CEO of Indian Servers, Administrator AndhraHackers.com was the Workshop Speaker and Guest of Honor.
- **WORDPRESS WORKSHOP:** One day National level workshop conducted on 23rd February 2018. Its an exclusively for BCA. B.Sc students to learn thoroughly and build their own complete personal or Business Website in a day.

VISION

Excel to meet the global needs of Computer Education, Research, Service and Human Resource with Competitive edge

MISSION

Learner Centered Education Industry Centered Service and Research Strong Community Relationship serve the Under Served, Meet the Regional, National and Global Educational Needs Inter Organizational Linkage Strategic Future Oriented Planning Professionalism In Computer Applications Excellence in Knowledge, Skills, Service and Attitude Open Organizational Climate.

- OXYTECHBIZZ-2k18: Explore Money & Project Exhibition & Competition: This event teaches how to earn money through internet. This event aims to provide opportunity for budding engineers to exhibit their talent.
- An expert Lecture on “Apple Technology Demonstration” was conducted on 27th April 2018. The Expert was Mr. Praveen M, Business Analytical Manager, and Icomp Solutions.
- An expert Lecture on “Job opportunities in It Industry” was conducted on 3rd may 2018. The Expert was Mr. Mounesh S P. Corporate Trainer, Independent Consultant.



Reforms in MCA Program and its Challenges



Oratorical Competition: Vijaya Bank Vigilance Awareness Programme

Spoken Tutorial



Software Training

Inauguration of Cyber security Workshop

Word press workshop



OXYTECHBIZZ-2k18

Apple Technology: Jobs in IT

Guest lecture by Mr. Mounesh

Faculty Achievements

- Dr. M S Shashidhara has been appointed as VTU BOS member for updating the syllabus of MCA for the academic year 2018.
- Dr. M S Shashidhara has been appointed as BOS Member for National College for updating the syllabus for the academic year 2017-2018.

Faculties secured 100% result

Faculty Name	Subjects Handled
Dr M S Shashidhara	C++
Prof. J C Achutha	Computer Networks
Prof. Saritha S	Cloud Computing
Prof. Ashok B P	S/W Testing
Prof. Kimmi Kumari	Java Programming
Prof. Punya V	Operating Systems



Seminars/Workshops/FDP Attended

- Dr. M S Shashidhara attended One day Workshop on “AICTE MODEL Curriculum” held on 12th March 2018 at BMS college Bangalore.
- Mrs. Mridulashukla attended One day Workshop on “Scientific writing: Tools and Techniques” on 6th April 2018 at TOCS Bangalore.
- Ms. Kimmi Kumari attended two day FDP on “Know your Intellectual property Rights” on 28th & 29th Dec 2017, TOCE, Bangalore.
- Dr. M S Shashidhara attended One day Workshop on “World class New Product Design and Manufacturing from 1st to 13th January, Dept. of AU, TOCE.
- Dr. M S Shashidhara attended one day Workshop on “Satellite Session –RTCSE”, on 2nd January 2018, Dept. of ECE, TOCE.
- Ashok B P attended one day Workshop on “Satellite Session –RTCSE”, on 2nd January 2018, Dept. of ECE, TOCE.
- Ushasree R, Saritha S attended one day Workshop on “Satellite Session –RTCSE”, on 2nd January 2018, Dept. of ECE, TOCE.
- Prof. Dharamvir, Prof. J C Achutha attended two day workshop “FDP-Enhancing the Quality of Teachers – Transformational Teaching on 2nd & 3rd of August 2017, MBA, TOCE, Bangalore.

Research Publications

- Dr. M S Shashidhara, Prof. Dharamvir “An Empirical Study On Ticket Classification Using Machine Learning In Osticket System” Published in International Journal of Creative research Thoughts(IJCRT) ISSN:2320-2882 Volume 6 issue 2 April, 2018.
- Dr. M S Shashidhara, Bipasa Banik “Session Protocol Incorporated Domain Streaming Statistics Provider” published International Journal of Combined Research & Development (IJCRD) eISSN:2321-225X;pISSN:2321-2241 Volume:6;Issue:8;August-2017.
- Prof. Dharamvir,Imran Sharief “Web applications of Asymmetric Auditing for Dynamic Cloud data system. Published in International Journal of Combined Research & Development (IJCRD) eISSN:2321-225X;pISSN:2321-2241 Volume:6;Issue:8;August-2017.
- Prof. J C Achutha, Srikanth “Deployment Model Techniques Provider with encrypt transfer techniques” Published in International Journal of Combined Research & Development (IJCRD) eISSN:2321-225X;pISSN:2321-2241 Volume:6;Issue:8;August-2017.
- Prof. Ushashree R, Saritha S N “Enterprise Program Evaluation and Review Technique platform” published in International Journal of Combined Research & Development (IJCRD) eISSN:2321-225X;pISSN:2321-2241 Volume:6;Issue:8;August-2017.

- Prof. Ashok B P , Rajat Das “A Web Applications of Plantopedia” Published in International Journal of Combined Research & Development (IJCRD) eISSN:2321-225X; pISSN:2321-2241 Volume:6; Issue:8; August-2017.
- Prof Kimmi Kumari “A Survey On Big data Processing :Techniques, Issues And Challenges” published in ICCEL3S, on 9th, 10th Feb 2018, Malaysia.

Extra Curricular Activities

Event- MILANA	Student Name	Prize
Mad Ads	Akhil Sai Yashwanth Meghana Harsha Naveen Mohan Madhu	2nd
Dumb charads	Megahana Harsha	2nd
Cooking without Fire	Nayana Shoiab	2nd
Junk Arts	Madgu Naveen	2nd



Student Toppers in the year 2017-2018



Jyothi P-VTU 10th Rank



Dhanalakshmi-Class Topper



Rajesh-Class Topper

Placement Details

Students Selected in On Campus Drive

USN	STUDENT NAME
10Z16MCA74	Beti Umesh Shrinivas
10Z16MCA77	Kalathiya Rinkesh

Academic Excellence

Dr. M S Shashidhara has given a talk on “Applications of Neural Networks in the Automotive Engineering”. Role of Engineers in Indian Modern Education.



FDP- Talk by Dr. M S Shashidhara



DEPT. OF MANAGEMENT STUDIES (MBA)

Dr. Dhanalakshmi R V
Prof. and HOD



The department of management studies is situated in the PG Block of the new building with centralized air conditioned gallery classrooms with latest teaching aids such as chalk less digital class and LCD projectors. The department has excellent record of continuous university ranks for the past nine years with excellent placements. The department focuses on holistic approach towards students development; a lot of learner centric approaches through academic clubs, business modeling and simulation with lateral connectivity; role plays, case study and soft skill training are also part of curriculum. The department also incorporates participation of students in societal development like NSS/CSR activity. The department thrives for quality at each stage of input and output.

DEPARTMENTAL ACTIVITIES during August 2017 - JULY 2018

- FDP: A two day Faculty Development Program (FDP) on “Enhancing the Quality of Teachers- Transformational Teaching” was organised by the Department of Management Studies, TOCE on 2nd and 3rd August 2017 for all TOCE faculty. The resource persons included both in-house and external experts. Mr. Sanjay Sahay, IPS. ADGP Karnataka Police was the Chief Guest and Keynote Speaker.



- NSS Activity: MBA students initiated to clean the Bommanahalli Subway on 16th Sept’17 to create awareness about cleanliness and safety among commuters and nearby residents.
- Oxford Run 2017: The event was held on 17th September 2017, organized by the MBA Department for all the students across Oxford Group of Institutions. A 5K and 10K Run was organized with the theme “Save Mother Earth – Run for Earth”. Our motto was to promote Public Transportation to save environment by reducing pollution and help to ease traffic. The event witnessed participation of students, professionals, residents and children who ran for promoting the cause on Hosur Road and in HSR. The Chief Guest of the Day, Mr. Sanjay Sahay, ADGP, Karnataka inaugurated the Event along with The Guest of Honour Mr. Satish Reddy, MLA. Special Guests Mr. M C Abbas, IPL Anchor, Mr. Vamsi Krishna, Choreographer DCruz, Prabhu Deva Studios, Mr. Richard, Film Director, Mr. Kishan Reddy, President, Anti-corruption Movement, Bangalore and Ms. Chandana Devaraj, Kannada movie actress were also present during the Event. TOCE Principal, Vice-Principal and HODs of all the departments were consistently involved in the event.



Oxford Run-2017

- Orientation Programme: New session for the Batch 2017-19 of MBA commenced with the orientation program that was organised from October 11th to October 17th 2017. The objective was to mentor the students and provide an academic overview and develop their interpersonal skills. Team-building and skill development activities were conducted by various Resource persons, Alumni and Management Clubs of the Department as a part of this program to demonstrate practical aspects of Business Management.



Orientation- Address by Alumni
Ms.Deepika



Orientation- Address by Prof.
Lucas (MSRIT)



Orientation- Session by Ms. Anju
Bhatia- Faculty, Art of Living.



Orientation of Commencing Batch
of 2017-19

- MDP: Management Development Program (MDP) on GST (Good and Services Tax) was organized by Department of Management Studies, TOCE on 10th November 2017 in association with Central Board of Excise (CBE), Government of India, Bengaluru Zone. More than 250 participants were enriched from this program from Academia and Industry. The list of speakers for the event were Mr. G. Narayanaswamy, Commissioner, Bengaluru South, Mr. Aravind Vivekanandan, Assistant Commissioner, Bengaluru South, Mr. K Ramakrishna, Assistant Commissioner, Bengaluru South, Mr. Chetan, Superintendent, Bengaluru North and Mr. Bhadraa Reddy, Superintendent, Bengaluru North.



Mr. G. Narayanaswamy,
Commissioner, Bengaluru South,
CBE.



Mr Aravind Vivekanandan
Assistant Commissioner,
Bengaluru South, CBE.



Mr. K. Ramakrishna, Assistant
Commissioner, Bengaluru South,
CBE.



Mr .Chethan Superintendent,
Bengaluru South, CBE.

- National Commission for Women: MBA Department organized a college level Competition 11th November 2017, sponsored by NCW, Government of India, to create nationwide awareness about the legal rights of women. The program concluded with the Prize distribution event on 15th November 2017. Cash prize of Rs 8500/- was distributed to the winners by the Chief Guest Ms. Seema, President and Founder TALAASH Association, an NGO working against violence of women and children.



NCW- Inauguration

- One-Day Workshop: One day workshop on “DATA ANALYSIS USING EXCEL” was conducted on 24th November 2017 for final Year MBA students to facilitate and train them to prepare their Project Report after internship that is mandatory for completion of their MBA degree. Mr. Sathish Kumar S, CEO, Mark-How Solution was the Trainer.
- World Women’s Entrepreneurship Day: Students and Faculty members of MBA Department celebrated World Women’s Entrepreneurship Day on 19th December 2017 by participating in various Group Discussions, Quiz and presentations related to Women Entrepreneurship in India.
- Club Activities: MBA Department has active HR, Marketing, Finance, Movie, Entrepreneurship and Case Study Clubs that conduct various events for the students in their respective domains. As a part of the Orientation Program, a brief overview was given by the Club coordinators to involve the new batch of students and give them an insight on various activities and opportunities.



Marketing Club Activity



HR Club Activity



Case Study Club Activity



Guest Lectures:

- Mr. SRIDHAR KUBASAD, Manager - Client Transnational Insights & Learning from ANZ Bank on 07.04.2018.
- Dr. Satish , Technical Training on MS Excel, Introduction to Tally and simulation from 16th April to 25th April, 2018.
- Mr. Manjuatha C, CEO, Sukriti Textiles, Bengaluru addressed students on Journey of entrepreneur; Mr. Lisho Rajan & Mr. Abin Sunny, Managing Partners, Motherland, Bengaluru on 20.4.2018 celebrating Entrepreneur Day.
- Ms. Deepika, HR Project Officer, Mphasis, Bangalore address students on 13.10.17 and explained about the expectations of the industry and how to prepare for the challenges in the near future.
- Prof. Lucas from MSRIT took session on Motivation and Attitude building on 16.10.17.
- Ms. Anju Bhatia, Faculty at Art of Living and Leadership Development and Talent Management Professional addressed the students on 17.10.17 to explain the importance of having sound mind in sound body.
- Mr. Ramani Venkat addressed students on 04.11.17 related to skill development and industry readiness.
- Ms. Preeja Shreedhar, a corporate trainer, addressed students on 11.11.17 on Gap Campus to Corporate.



Guest Lecture by Ms. Preeja Shreedhar



Guest Lecture by Mr. Ramani Venkat

Students Achievements

College Toppers - IV Semester (Batch 2015-17)

No	Name	USN No.	Percentage
1	Sukanya V	10Y15MBA50	76.47
2	Varalakshmi	10Y15MBA56	75.52

College Toppers - II Semester (Batch 2016-18) (CBCS Scheme)

No	Name	USN No.	SGPA	Rank (class)
1	Sindhu S	10Y16MBA54	8.17	First
2	Devi D A	10X16MBA21	8.00	Second



Mr. Rakesh M of III Semester won First Prize in the nationwide competition on Legal Rights for women conducted by National Commission for Women, Government of India on 15.11.17.

Faculty Achievements

- Dr. James Thomas, Prof. A Sahana, Dr. Bala Koteswari, Prof. Chandrika Reddy and Prof. Savitha were resource persons for the FDP “ Enhancing the Quality of Teachers- Transformational Teaching” organised by the Department on 2nd and 3rd August 2017.
- Dr. Bala Koteswari was resource person for the evaluation of organizational Study for 3rd semester MBA students at PESIT on 7th December 2017.
- Dr. Bala Koteswari received award for her contributions for the NCSEM-17 National Conference.
- Prof. Sahana and Dr. Bala Koteswari organised Competition to create awareness about the legal rights of women which was sponsored by National Commission for Women, Government of India in December 2017.

FDP's/Workshops Attended by the Faculty

- Prof. Richa Tiwari, Prof. Gokul, Prof. Uma Sharma, Prof. Paromita Bose and Prof. Chikkegowda attended the FDP on “ Enhancing the Quality of Teachers- Transformational Teaching” on 2nd & 3rd August, 2017.
- Dr. Bala Koteswari attended Workshop on NLP on 21st December 2017 at Seshadripuram First Grade College.
- Prof. Uma Sharma, Prof. Savitha, Prof Gokul, Prof. Chikkegowda and Dr. Bala Koteswari attended two day Workshop on Intellectual Property Rights organised by TOCE on 28th and 29th December 2017.
- Prof. Gokul and Prof. Chikkegowda and Dr. Bala Koteswari attended AICTE sponsored FDP on World Class Product Design and Development organised by Dept. of Automobile Engineering, TOCE from Jan 1st to 13th 2018.
- Dr. James Thomas, Prof. Richa Tiwari and Prof. Savitha attended Satellite Session of RTCSE – 2018 Bangkok, Thailand at TOCE on 2nd and 3rd January 2018.

Two-Day National Conference on “National Conference on Science, Engineering and Management”, NCSEM-18

The Oxford College of Engineering organized Two-day National Conference on Science, Engineering and Management”, NCSEM-18 May 24th and 25th 2017. vConference Conveners were Dr. Shashidhara , Professor &HOD, MCA and DR. Manjunath, Professor &HoD Bio-technology and Conference Co-coordinator from Department of Management Studies are Mr. Chikkegowd.K.G and Mr. Gokul.G. The Department contributed 53 Papers in various streams of management- HR, Marketing and Finance.

Placement Details (Batch 2015-17)

S. No.	Name of the Student	Company Name
1	Vijay Kumar	Global Mergers
2	Chandana Reddy	Global Mergers
3	Navya Gowda	Global Mergers
4	Pradeep Kumar	Global Mergers
5	Robin Thomas	Clonect Solutions Pvt. Ltd.
6	Umer Naik	Clonect Solutions Pvt. Ltd.
7	Ranjith Ebanazar P	Janalakshmi Bank
8	Sharath B.E	Janalakshmi Bank
9	Savitha Sharma	Kyyba



Ist prize- Dr. James Thomas on behalf of M Sunitha



Ist prize- Ms Lavanya, IV sem ,MBA



DEPT. OF ENGINEERING CHEMISTRY

Dr. Surekha M
Prof. and HOD



DEPARTMENT PROFILE

The motto of the department is to provide quality education. The department has two well equipped laboratories for undergraduate Engineering courses. Chemistry is the foundation knowledge upon which all other natural sciences and engineering are built.

The department is eternally engaged in the academic enrichment of students as well as their overall progress by exposing them to the real challenges in the world through participation in various competitions. The department conducts various value added programs and seminars to enhance practical knowledge of students.

OBJECTIVES

To know the advances in chemistry taking place in the different parts of the world and their vast applications. To improve the ability to rationally address problems in chemistry. To insist concepts of chemistry in the young minds through observation and analysis and help them to become competent engineers. To enable the students to correlate the concepts of chemistry with the core engineering programmes.

RESEARCH ACTIVITIES

The department has a research centre approved by the VTU. The centre is equipped with a laboratory having facilities to grow and analyse catalysts and kinetics studies. Prof. Bhaskar, Prof. Adarsh from Global Academy of Technology & Prof. Shailashree from Shirdi Sai Institute of Technology registered for Ph.D under the guidance of Dr. Surekha.

1. Papers Published

- "Oxidative Cleavage of EDTA with N-Bromophthalimide in the presence of Sodium Dodecyl Sulfate: A Kinetic and Mechanistic Study" Shailasree S, Adarsha J R, Surekha M, Heney P T and S T Nandibewoor. Electro Chem. Soc. India, Vol. 61-1-1 (2017) 40-44.
- Kinetics and Mechanism of Oxidation of EDTA by NBS in the presence of acid and alkaline medium – A Comparative Study. Shailasree S, Adarsha J R, Heney P T, Surekha M and S T Nandibewoor I.J.C.R.D, ISSN- 2321 -225X, ISSN (P)- 2321-2241, Volume No. 06, Issue 09, (2017).
- A comparative study of palladium(II) catalysed oxidation of L-leucine and L- Iso- leucine by alkaline permanganate- A kinetic and mechanistic approach, by Adarsha J R, Sailasree S and Surekha M J. Innovative research in Science and Engineering ISSN (O) 2454-9665, ISSN (P) 2455-0663, Volume No. 03, Issue 03, (2017).

- Kinetic and Mechanistic Study of Palladium (II) catalyzed oxidation, Deamination and Decarboxylation of Glycine by Alkaline Permanganate Adarsha J R, Sailasree S, Heney P T and Surekha M J. Advanced Research ISSN 2320-5407 10.21474/IJAR01/3671, Issue 5(3), (2017).
- Title “Kinetics and Mechanism of Oxidation of EDTA by NBS in the presence of acid and alkaline medium – A Comparative Study”. IJCRD, ISSN- 2321 -225X, ISSN (P)- 2321-2241, Volume No. 7, Jan (2018) Shailasree S, Adarsha J R, Heney P T, Surekha M and S T Nandibewoor.
- Title “Esterification Of Phenyl Acetic Acid With P-Cresol Using Metal Cation Exchanged Montmorillonite Nanoclay Catalysts” R. Soc. Open Sci. 171378, Feb 7 2018 M Bhaskar, M Surekha and N Suma.
- A study into the electrodeposition of bright zinc on mild steel from acid sulphate bath IJCAR, Vol 7, Issue 4(c), pp 11474-11479, April 2018, Jyoti S K, Basavanna S and Y Arthoba Nayaka

2. PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES

- Paper titled “Comparative Study Of Palladium(Ii) Catalyzed Oxidation Of L-Leucine And L-Isoleucine By Alkaline Permanganate- A Kinetic And Mechanistic Approach” was presented poster at the international conference NCTAE 2017 held at Mysore University, Mysore.
- Paper titled “Oxidative Cleavage of EDTA with N-Bromophthalimide in the presence of Sodium Dodecyl Sulfate: A Kinetic and Mechanistic Study” held at The Oxford College of Engineering during 26-27th May 2017.
- Paper titled “Kinetics and Mechanism of Oxidation of EDTA by NBS in the presence of Acid and Alkaline Medium – A Comparative Study” was Presented poster at the international conference IISC, 2017 held at Bangalore.
- Paper titled “A novel oxidation of EDTA by N- Bromophthalimide in the presence of Ru(III) chloride in aqueous Alkaline Medium - A kinetic and mechanistic approach” was presented at the national conference NCSEM held at The Oxford College of Engineering during 24th-25th May 2018. By Sailasree S and Surekha M.
- Paper titled “Synthesis, antimicrobial activity and pharmacokinetics study of some novel 1,3,4- thiodiazole derivative- NCSEM held at The Oxford College of Engineering during 24-25th May, 2018 by Shipra.
- Paper titled “Influence of newly synthesized brighteners on electrodeposition of Zn- Cobalt alloy from acid chloride bath” Oral Presentation NCSEM held at The Oxford College of Engineering during 24-25th May 2018 by Jyoti M.

Conference and workshops attended

- Dr. Shipra Bhati and Mrs. Jyothi have participated in the faculty development program on enhancing the quality of teachers transformational teaching on 2nd and 3rd August 2017 at The Oxford college of engineering, Bangalore.
- Dr. Shipra Bhati and Mrs. Jyothi have attended in two days faculty development program on “Know Your Intellectual Property Rights And Patent Awareness Workshop” sponsored by DST- Tifac, Govt of India and organised in association with KSCST and VTU Belagavi on 28th & 29th December, 2017.
- Dr. Shipra Bhati has participated in AICTE sponsored FDP on “World Class New Product Design And Manufacturing” organised by the department of Automobile engineering, The Oxford College Of Engineering, Bengaluru on 1st to 13th January, 2018.
- Dr. Sureka, Dr.H N Gayathri, Mrs Jyothi have attended FDP on “Implementation of AICTE model curriculum(under TEQIP 1.3)” in Bangalore Institute of Technology at Bangalore on 7th and 8th May, 2018.
- Mrs. Jyothi has attended FDP on “Student Induction Program” for AICTE approved Institutions in “Sri Venkateswara College of Engineering”, Bangalore on 21st to 23rd of June, 2018.



DEPT. OF ENGINEERING PHYSICS

Prof. C H Abdul Kadar
HOD In Charge



Department profile

The Department of Physics is one of the most important departments of the institution. The motto of the department is to provide quality education. The department has two well equipped laboratories for undergraduate Engineering courses. Physics is the foundation science upon which all other natural sciences and engineering are built.

Research Activities

Journal Publication

S Gupta, R L Rahini, published a paper entitled "Electrochemical synthesis and characterization of amorphous hydrogenated carbon (a-C:H) using acetonitrile as electrolyte" in *Electrochimica Acta*, Vol,258(2017) Pages 1-8, Elsevier.

CONFERENCE/WORKSHOP/FDP ATTENDED:

- Prof. R LeelaRahini & Prof. Uma Devi attended Patent workshop on "Know Your Intellectual Property Rights(IPR) Patent Awareness Workshop" sponsored by TIFAC-DST, Govt of India-held at The Oxford College of Engineering on 27th-28th Dec, 2017.
- Dr. Snigdha Gupta attended AICTE Sponsored two week FDP- on "World class new product design and manufacturing" at The Oxford College of Engineering on 01st -13th Jan, 2018.
- Prof. R LeelaRahini attended FDP on "Satellite session of RTCSE-2018" Bangkok, Thailand at The Oxford College of Engineering on 2nd-3rd Jan, 2018.
- Prof. Abdul Kadar C H , Prof. R LeelaRahini, Prof. Uma Devi S attended FDP on "Implementation of AICTE model curriculum(under TEQIP 1.3)" at Bangalore Institute of Technology on 8th May,2018.
- Prof. R LeelaRahini attended FDP on "Student Induction Program" for AICTE approved Institutions at Sri Venkateswara College of Engineering, Bangalore, on 21st-23rd June,2018.

Vision

To inculcate interest in Physics and promote the understanding of it, and also to develop observational and computational skills, which will take the development in technology to new heights.

Mission

The department has been working towards fulfilling its vision through a synergic combination of teaching and research. The department also strives to promote excellence in technical education and scientific research through the effective use of Physics in real time engineering problems



Student Competition on "Awareness about Legal Rights of Women"

The Women's Grievance Redressal Cell of the College in Association with NCW, Govt. of India, organized a competition on "Awareness about Legal Rights of Women" on 11th November, 2017. 220 students participated in the competition. The winners received cash prize (Rs. 8500/- was distributed among 7 winners) from the Chief Guest Ms. Seema, President and Founder, Talaash Association, an NGO working against violence of women and children.

DEPT. OF ENGINEERING MATHEMATICS

Dr. Mallikarjun K
Professor & HOD
Dean Examinations



The Department of Mathematics is one of the pioneering departments of the institution. Department serves the institution and the community by providing Mathematics education to Engineering Mathematics, as well as MCA & M.Tech courses. The department strives to provide a quality education to a diverse student community, which totals well over 3000 students. Engineering courses focus on the principles, methods and applications and provides the Mathematical foundations for all of these in their particular branch of Engineering.

The Department includes 11 faculties and Ph.D. holders had strong preparation in many fields of Mathematics in addition to their commitment to excellence in teaching. Individual members are involved in a number of exciting and creative efforts and in addition to teaching, Mathematics faculties are actively engaged in research in Graph Theory, Fourier series and wavelet transforms, Finite Element Methods, Topology, Numerical Analysis, Operations Research and faculty members participated regularly in refresher courses and national seminars, workshop and symposia conducted by various universities and research institutions.

The department has put forward certain objectives with a mission and vision for the future.

“ Where students can grow exponentially responsive to society as a whole”. Thus, today’s engineering students need to be rooted primarily in principles, not techniques.

Research Publication

- Sreenivasa Reddy Perla, S Padmanabhan & V Lokesh published paper on “ Schur convexity for Gini mean of n-variables, in International Journal of Current Advanced Research” October 2017,6688-6698,ISSN:0:2319-6475.

Conference Presented/Attended

- Palanivel K, presented paper on “ Secure Edge domination and vertex edge domination in intuitionistic fuzzy graphs, International Conference on Intuitionistic Fuzzy Sets and Systems (ICIFSS-2018) on 08-10, Jan. 2018, at Vellalar College for Women, Erode, TamilNadu.
- Sreenivasa Reddy Perla, presented paper on Convexity for ratio of difference of mean with respect to another ratio of means, RECENT ADVANCE IN MATHEMATICAL SCIENCE AND APPLICATIONS, on 1st-2nd Dec, 2017, Tumkur University, Tumkur, Karnataka.

Workshop attended

- Chandran M, attended “Workshop on Scientific Role in Statistical Research” at KSTAC, Bangalore on 08-09, Jan 2018.
- Mrs. Moumita Chatterjee, Pavithra K, Naveen kumar K S attended FDP on “Graph Theory & its Applications” on 19-20 Dec, 2017, at Dayanadasagar College of Engineering, Banashankari, Bangalore.

Research Activities

- Mrs. Moumita Chatterjee and Mrs. Selastina has registered for Ph.D under Dr. Mallikarjun K in Visvesvaraya Technological University, Belagavi.

VISION

We envision that our department will continue to grow as an intellectually stimulating environment that attracts engineers who have a knack for interdisciplinary research. We hope that the department will play a central role in bridging fundamental sciences and engineering.

MISSION

Our mission is educating our students to excel in their work as well as mentor the next generation of engineers. We provide engineering Mathematics with theoretical and application oriented technique and making them successful personally & professionally.



SCHOOL OF ARCHITECTURE

Prof. Betty K Chacko
Prof. and HOD



Message from HOD TOSA:

It gives me immense pleasure that The Oxford School of Architecture(TOSA-OQ code) started in 2012 as a department under The Oxford College of Engineering (TOCE-OX code) has been granted affiliation by VTU as an independent college of Architecture in the year 2017. TOSA has grown positively from past six years under the guidance of our beloved Chairman and co operation of Director, Principal and other departments of TOCE.

The school has proved its merit and potential by achieving success in the form of Gold Medal by our meritorious students Rutusha Nagaraj. Also all the students have passed out with flying colors (First class and Distinction).



Principal(TOSA) Dr. Sridhar Rajan with VTU Gold medalist Rutusha Nagaraj.

Kudos to our brilliant hard working students who have excelled not only in academics but also in sports – Sharar Ahmed who has won Gold Medal, and other cultural activities at the zonal (ZONASA)and National Level NASA. We have highly qualified and experienced faculty members who are the back bone of TOSA and are responsible for the achievements of our students.

In a short span of 6 years TOSA has grown from strength to strength and is ranked among the top 5 college in Bengaluru.

“A dream becomes a goal when action when action is taken towards its achievements”. I am proud of being the Principal of the wonderful institution dedicated to the cause of better India. May we join hand and give our students strong roots to flourish in life.

Faculty Development :

“Faculty Induction Program for teachers of Architecture and teaching aspirants” participated by Ar. Kirthi Vinaykumar ,Ar. Kavitha Kamath, Ar. ShubhraPande, Ar. Deepa Kumaran, Ar. Samrudhi Rode organized by the Dayananada Sagar School of Architecture ,Kumarswamy Layout, Bangalore supported by Council of Architecture Training & Research Centre, Pune was held during Sep 11th to 15th ,a training program on teaching process and methods ,for architects and faculty . FDP on “ Research in Architecture” was held on July 9th-13th and participated by Ar. Betty Chacko, Ar. Kirti Vinaykumar, Ar. Kavitha Kamath and Ar. Anupa suguraman.



Faculty (TOSA) at FDP Program held at The Dayananda School of Architecture.

Workshops :

- A workshop on “Clay modeling and Relief work” by Artist Sridhar Gangolli, artist Praveen, artist Honach Samuel, Ar. Aruvi G was organized on the month of 10th Nov for 1 year students.
- Workshop on “Cost Effective and Energy Efficient Architecture” at Laurie Baker Centre for Habitat Centre was organized in the month of August towards
 1. A green habitat
 2. Energy consideration in buildings
 3. Cost-effective construction technology
 4. Climate responsive architecture
- Students work “Communities” site visit was arranged for students of 7th semester, for complete home interiors and construction details in the month of October by Prof. Kirti Vinaykumar (ebco-saint gobain manufacturing ltd, Koramangala)



Workshop on Clay Modeling



Workshop on Cost Effective and Energy Efficient Architecture

Study Tour:

Architecture is a roller coaster ride through a new framework of knowledge that infill's one with a new perspective and outlook to analyze human behaviour and the built environment. A short trip to Pondicherry- Auroville , The French Colony and the Puducherry beaches also to a nearby coastal areas of Mahabalipuram, the state rich in its culture and heritage, Tamil Nadu and finally the living-history museum Dakshinachitra.

Our next destination was to the coastal stretch of Tamil Nadu with the temples and monuments built by the Pallava dynasty in the 7th and 8th Centuries- The Shore Temple and The PanchaRathas at the resort town Mahabalipuram.

Last but not least was the Dakshinachitra- a museum dedicated to South India heritage and culture.



Students work –“Communities “



1st Sem field trip to Pondicherry



3RD Sem field trip to Pondicherry

Students Achievements:

SEM	NAME	%
1	Rupali Gauravaram	77.23
3	Mohammed Nehal	79.3
5	R.N.Goutham	78.95
7	Deepthi .N	76.4

Award:



VTU project award was bagged by the fourth year students



3RD Sem field trip to Madikere Resort study.



DEPARTMENT OF ENGLISH

Ms. Jessy Koshi
Prof. and HOD

English is one of the most important Global language and with technology bringing us closer, proficiency in English is considered essential for a person's personal and professional growth. Most of the international transactions of recent times were concluded in English. The language has contributed significantly in narrowing the gap between the geographical boundaries. At the professional front also, it is communication and its related skills that decide a person's career curve. It is so because in the professional world, what professionals do most of the time is communicate.

Today, it is effective communication in English that fetches students their dream jobs; helps a professional surge ahead of others; keeps afloat a multinational organization; elevates a common mortal to the dizzy heights of achievements; and in a way, defines and redefines our existence in this competitive world.

In India, where the business process outsourcing (BPO) and Information Technology boom has led to a demand for 'trained' English language speakers and 'Learned' workers, particularly, the youth should understand the accents, characters and cultural differences. People who want to learn the language have to expose themselves constantly to English, read, listen and grab every opportunity to speak.

Apart from the language lab we conduct English classes for all the FIRST YEAR courses of B.E., MBA, MCA, Nursing, Physiotherapy, Pharmacy and Dental (BDS) students where we take care of grammar, writing skills, phonetics and group discussions to improve their communication skills.

Keeping in view the increasing importance of English for career purposes we have a well furnished English Language Lab with the software "English Lab Solutions" provided by Globarena which consists of Forty Systems with headphones. The software is a learning kit which helps student enhances their Communication and Employability Skills. The software has English Lab, Career Lab and Aptitude Lab as a three year course. We also have "WORDS WORTH" software for the English Language Training.



Academic Excellence

Faculty Achievement

Mr. Malleshaiah T. S. has been conferred with the Degree of Doctor of Philosophy during the 17th Annual Convocation by VTU. His topic of study was "Analysis of Fluoride concentration in Groundwater and reduction of Fluoride in Madhugiri, Pavagada and Koratagere (TQ) of Tumkur district, Karnataka, India".



CENTRAL LIBRARY

J Narayana Swamy
B.Com, M.L.I.Sc.,



Academic library is a collection source of information and similar resources, made accessible to Students, Research scholars, Teaching & Non Teaching Staff of the Institution. Library is a treasury of knowledge and also heart of the Institution.

The Oxford College of Engineering Library has established in the year 2000, with well equipped furniture in sufficient space and sufficient reading capacity. It is a main resource of knowledge, which is an integral and important part of our institute of higher learning. The library aims to stock all important books, periodicals and E- resources like e-books, e-journals, CDs and etc.

Most of the Library services like books issue / return/ renewal, OPAC search and other library activities are computerized by using "LIBSOFT " an integrated library software. Students and faculties can utilize the library regularly in an effective manner.

Three libraries are functioning for Engineering, MBA, MCA & Architecture to provide better library services to user community.

AIM OF LIBRARY:

- To develop useful collection of reading material for various courses.
- To provide full information support to the teaching-learning process in the college.
- To provides various library services and facilities to the readers Community.
- To support research activity for its progress and qualitative development.

LIBRARY STAFF

- Chief Librarian : 01
- Asst. Librarians : 05
- Library Assistants:04
- Lib. Attendants : 02

LIBRARY RESOURCES

- More than 56,251 volumes of text books and reference books with different titles .
- 1350 Bound Volumes of Printed Journals.
- More Than 3,000 Books oriented CD's.

- E – Journals & E – Resources.
- IP based VTU Consortium online databases.
- Book Bank Facility for SC/ST Students.
- Earlier Exam question papers collection.
- News papers & General Magazines.
- Internet access facility.
- NPTEL &NDL E- books & e - resources.
- Reprography / Document Scanning.

LIBRARY SERVICES

- Borrowing Facility: Students can borrow Three Books for 15 Days, SC/ST Students can borrow extra two books from book bank for thirty days, Faculty Members can borrow Four Books for 90 Days, Non-Teaching Staff can borrow two Books for 30 Days. Reference Material should not be issued.
- Reference Services.
- OPAC Search.
- News Paper Clipping Services.
- Selective Dissemination of Information Service.
- Current Awareness Service (CAS).
- Inter Library Loan Service.
- V T U Consortium E – Journals ,E- Resources Access.
- Reprography services.
- Computers are available in the library to access E-resources, OPAC search and well experienced, dedicated library staff is ready to give better library services.





THE TRAINING AND PLACEMENT DEPARTMENT

Ms. D. Vijayalakshmi
Head Training & Placement



Mr. Dhananjay
Manager - Corporate Relations



Mr. Uday Ram B
Placement Coordinator

The Training and Placement Department at “The Oxford College of Engineering” is headed by Mrs. Vijayalakshmi, who believes in young minds to be disciplined, dedicated and focused so that in future they will steer Organizations towards growth, prosperity. The Department has tied up with industries best Training organization to impart the required skill sets and corporate culture, to mould students as confident global leaders.

The Training and Placement Department helps students develop their Intra personal skills and abilities so as to enhance their personality as well as help them get placed in reputed organization. The Oxford College of Engineering, Bangalore is one of the very few colleges where the concept of training and development has been given importance on par with academics. The Department is sincerely working to empower students with various qualities and skills to achieve professional and personal excellence. The students are well informed about the need for maintaining good academic scores and are tracked regularly on the same.

Highlights of the Department:

- Soft skills and Aptitude Training Programs have been initiated for all students starting from the first semester till final year.
- Technical Training programs are conducted to focus toward Placements.
- Special Company specific trainings and tests are given to the students to improve their placements.
- Certified courses are offered.

Highest CTC offered in 2016-2017 is 18 LPA.

Average CTC is 4.5 LPA.



Students with their offer letters



Soft skills training in progress

Companies visited during 2016-2017

SAP Labs	Direct I Information Systems	People Education	Tek Systems(Oracle)
Nine leap Technologies	Appscrip	Omics International	Edelweiss
Juspay	AVTec	ASAP(HP)	Magna Infotech(HPI)
Eurofins	Next Novity	Telerad	Mindtree
Optimism IT Solutions	JK Cement	PRDC	DXC Technologies
Westline Marine	Kotak Life Insurance	Q Spiders	Vital labs
Subex	ICICI Securities	KPMG	PWC
Maventum	Ultratech Cement	NTT Data	Quinnox
IMRB	Zoppers	ICICI Prudential	Fidelity National Financial
Inszoom	Muthoot Finance	Paypal	Pinclick
TATA AIG	Body craft	Smart soc	Net Connect
Jeeves information systems	Health Asyst	Infosys	WEG Industrries Pvt ltd
HPE	Think and Learn Pvt Ltd	Goldman Sachs	Eureka Forbes



Soft skills training class in progress



We With our Recruitment partners- PayPal Campus Drive



REPORT ON RESEARCH ACTIVITY

Dr. B K Manjunath

Professor & Dean Research, Department of Biotechnology



The Research Committee primary objective is to establish platform for the faculties to work with researchers, research clusters and developing external relationships with funding agencies, nationally and Internationally and with other Universities and Research Institutions. The role of the College Research Committee is to provide a platform for the faculty and students about the present trends in research and development in their concerned subjects and interdisciplinary. Our research mission is knowledge creation to move debates forward in ways that improve student success, enhance social and human opportunity, enable equity, advance reconciliation, and support well-being.

Second “National Conference on Science Engineering and Management” was successfully conducted (NCSEM 2018) on 24th and 25th May, 2018 in The Oxford College of Engineering. The Department of Biotechnology and Department of Masters in Computer Applications took the lead in organizing the conference. Dr. B K Manjunath, Professor & Head department of Biotechnology & Dr. M S Shashidara, Professor & Head department of MCA was the chief convenor of the conference. The Conference received financial assistance from ISTE. The conference received around 700 research article throughout the country and among these 70 papers has been short listed for publication in UGC approved journal IJCRT (International Journal of Creative Research Thoughts). All paper and poster abstracts were published in the Conference Proceedings, which was unveiled by the distinguished guests at the inauguration ceremony.

The Department of Biotechnology & Department of Civil Engineering of The Oxford College of Engineering jointly organised a 1-day Faculty Development Program titled “Innovation Management and Teaching Pedagogy: Innovations in the education sector and significance of research ethics (copyrights) for academia” on the 30th of July 2018, in association with Visvesvaraya Trade Promotion Centre (VTPC), Department of Industries & Commerce, Government of Karnataka for the benefit of all the faculty members of The Oxford College of Engineering.

The Institute support innovative ideas from students and nurtures it with faculty support, we are proud to state that, 22 research projects have been short listed by Visvesvaraya Technological University, Belagavi for financial assistance.

Karnataka State Council for Science and Technology short listed 6 research proposal under SPP 41 series for financial assistance. in the 2017-18 series.



Honourable Chairman, Chief guest and dignitaries releasing NCSEM-2018 Conference proceedings



FDP on "Innovation Management and Teaching Pedagogy: Innovations in the education sector and significance of research ethics (copyrights) for academia" on the 30th of July 2018.



Inaugural session of one day FDP held on 30th July 2018.



Felicitation of chief guest Dr. Nagaraj R, and Guest of honour Mrs. Prabhavathi Rao VTPC.



Resource persons delivering expert lecture in the FDP session

NSS ACTIVITY REPORT



NSS unit is headed by Mr. Shivakumar Programme officer I/c HOD CTM department approved by VTU. The National Service scheme (NSS) is an Indian government-sponsored public service program conducted by Department of Youth Affairs and Sports of the Government of India which was begun in 1969. Its primary aim is personality development through social (or community) service. The NSS motto is "Not Me, Not You but We".

Most government and government-aided institutions (schools and colleges) have volunteer NSS units, and private institutions are encouraged to have NSS volunteers. A unit typically comprises 100 – 150 students. They are managed internally by responsible party from the school (or college), who reports the regional NSS co-ordinator. The TOCE students actively participated events conducted by in behalf of TOCE NSS unit.

SL NO	ACTIVITY	DATE	VENUE	CONDUCTED	SAMPLES
1	BLOOD DONATION CAMP-2K18	25/04/2018	ENGINEERING DRAWING HALL	NARAYANA HRDUDAYALAYA BOMMASANDRA	218 Nos
2	EYE CLINIC -2K18	09/05/2018 10/05/2018	SPORTS ROOM	NARAYANA NETHRALAYA	156 VISITORS
3	127TH BIRTH ANNIVERSARY Dr BR AMBEDKAR	14/04/2018	SEMINAR HALL(CIVIL DEPT.)	THE OXFORD COLLEGE OF ENGINEERING	DONATED BOOKS ON BHARAT RATNA BR AMBEDKAR
4	DISTRIBUTION OF SAREE'S	12/05/2018	COLLEGE MAIN BUILDING	THE OXFORD COLLEGE OF ENGINEERING	DISTRIBUTE ABOUT 120 SAREES TO NON TEACHING STAFF & HOUSE KEEPERS



Principal @ blood donation camp-2k18



127th Dr B R Ambedkar Jayanthi



Students voluntary blood donation-2k18



Eye clinic



IEEE Student branch started in TOCE since 2011. It has Geo Code for TOCE-STB 08641 ,School Code-60020461, Region Code-R10. Under our IEEE student branch various activities has been done for the benefits of the student community which will be helpful in their growth & shape their career. Following are the activities conducted during the year 2017-2018.

- Hands-on workshop on “Arduino & Robotics” workshop was conducted on 13th October 2017 in The Oxford College of Engineering, Bangalore.



- On 18th November 2017, Mr. Sarvotham Prasad (Alumni- M.Tech (VLSI) -2015) presently working in HP (R&D) had delivered talk on “Sub netting with IPV4/IPV6 based using Routers”. He has presented on IPV4/ IPV6 methodology, real time demonstration using CISCO Routers”.



Dr. K R Yogesh Prasad Completed his Ph.D in the area of Microwave Photonics from IISc, currently working in Communication Systems Group, ISRO Satellite Centre, Bangalore has given a talk on his research topic.



Dr. Preeta Sharan was the session chair in the international conference “INDIA COMM” conducted by BVICAM, New Delhi on March 14th, 2018 in association with IEEE-Delhi Section and the faculties with IEEE membership from our college have presented papers.



QUALITY ENHANCEMENT IN ENGINEERING EDUCATION (QEEE)

Dr. Saravana Kumar
HOD

QEEE program origination by CSE Dept. for TOCE chosen to be the part of Quality Enhancement in Engineering Education program funded by MHRD (Ministry of Human Resource and Development) with an objective to enhance the quality of technical education in Under Graduate courses (Bachelors) of engineering colleges all over India. Live Lectures, quizzes and assignments on subjects-Data structures and Algorithms were conducted for students of second year B.E.

Workshops conducted by TOGGLE Student Club-CSE

SL NO	SUBJECT	SEM	DEPT
1	Process Management- Operating System	VI	CSE/ISE
2	Digital Signal Processing	VI	ECE/EEE
3	Fits and Tolerance	VI	MTE
4	Arches and suspension Bridges	IV	CIVIL
5	Network layer- computer network	V	CSE/ISE
6	Fundamental concepts in fluid mechanics- Fluid Mechanics	III	AU
7	Electromagnetic waves	III	ECE
8	Induction machines theory	III	EEE
9	Constitution of Alloys and Phase Diagrams	III	MTE
10	Compass Surveying and Planes table Surveying	III	CIVIL
11	Beams- Design of Steel Structures	VII	CTM



The live classes of QEEE

ACTIVITY OF SCIENCE ASSOCIATION,

- National Science Day: Under the auspices of Science Association, National Science Day was celebrated on 28th February, 2018. First year B.E. students gave talks on Science and Technology, Eminent scientists and their contributions.
- The Annual Science Exhibition: The Annual Science Exhibition was held on 27th April 2018 in the Physics Lab, with participation of students from all semesters of B.E. course winners are as follows.

Position	Name of the student	Department
1	Poojith Ajay	Mechatronics (VI Sem)
2	Josh Mansoor	Mechatronics (VI Sem)
3	Sumaiya Varsha	Computer Science and Engineering (II Sem)



Science Exhibition



DEPT. OF PHYSICAL EDUCATION

Mahesh G



During the academic year 2017-2018 the physical education and sports department has organized many sports events .our Students were participated enthusiastically in various sports and games .

Department of physical education and sports conducting and organizing many sports related event from many years our students achieved various prizes conducted by national level, state level .all India inter university level and they have brought laurels to our institutions

INTER DEPARTMENT SPORTS 2018

Sl no	EVENTS	M\W	WINNERS	RUNNERS
1	VOLLEY BALL	MEN	EEE	ME
2	VOLLEY BALL	WOMEN	B ARCH	CIVIL
3	CHESS	MEN	B ARCH	MBA
4	CHESS	WOMEN	MT	BT
5	THROW BALL	MEN	ME	CSE
6	THROW BALL	WOMEN	CSE	CIVIL
7	FOOT BALL	MEN	MT	ME
8	FOOT BALL	WOMEN	CSE	CIVIL
9	KABBADI	MEN	CTM	MBA
10	KABADDI	WOMEN	CIVIL	CSE
11	KHO- KHO	MEN	CIVIL	EEE
12	KHO-KHO	WOMEN	EEE	CIVIL
13	TABBLE TENNIS	MEN	CSE	ECE
14	TABBLE TENNIS	WOMEN	BT	CSE



MOHAMMED SUFIYAN (CTM)
(Athletic & Kabaddi)



INCHARA V R (CIVIL)
(Kabaddi)



AKARSH T (CIVIL)
(Kho- Kho)



THIMMANNA A S (ME)
(Hockey)



KOWSHIK M N (ME)
(Hockey)



PRAJWAL P P (MT)
(Hockey)



Our student Ms. Sheethal Prakash Dept. of B. Arch has participated at VTU single zone and secured bronze medal in swimming competition held at BNMIT, Bangalore on 30th & 31st August, 2017.



Kho-Kho (Men) Central Zone Winners of 2018 organized by Cambridge University of Technology, Bangalore on the 6th and 7th April, 2018.



Winners of State Level Sports Fest, Open Tournament-Kabaddi (Men) organized by BGSIT, Chikbalapura on 22nd and 23rd April, 2018.



Winners of State level kabaddi tournament -1st place kabaddi tournament held at NHCE, Bangalore on 3rd &4th April, 2018 and 2nd place kabaddi held at Sri Sai ram Sollege of Engg. Anekal, Bangalore on 17th &18th April, 2018



Winners of State Level Sports Fest, Open Tournament-Volley Ball (Men) organized by GAT Bangalore 18th and 19th April, 2018.



Central Zone Winners of Men's Hockey organized by NHCE Bangalore on 27th and 28th April, 2018.

Annual athletic sports meet 2018

The Chief Guest Mrs. Anitha rajendra and our chairman sri. SNVL Narashima Raju inaugurated the event with our director and principal and staff members grace the occasion.



Athletic Meet Individual Champions Men & Women



Individual Champion (Men)

SHAKIR (Arch Dept. 6th Sem)



Individual Champion (Women)

INCHARA (Civil Dept. 6th Sem)

Championship in Men category: Department of B. ARCH
Championship in Women category: Department of Civil Engg.
Overall championship: Department of Computer Science Engg.

Winners of Staff Events





VTU BANGALORE CENTRAL ZONE KABADDI TOURNAMENT HOSTING BY OUR COLLEGE

The Chief Guests Dr. Arif Ali Khan and Mrs. Swetha Naidu inaugurated the events with our Director Dr. R Nagaraj and beloved Principal Dr. R V Praveena Gowda.



The Oxford College of Engineering won the Bangalore central zone kabaddi tournament held in our campus with support from management, and staff members.

International Yoga Day on 21st June

On the occasion of International Yoga Day on 21st June, The Oxford College of Engineering in association with Art of Living organized and conducted Yoga Session for the faculty and staff. Ms. Khushpinder Kaur Sangha and Ms. Tejaswi Vobilliseti, yoga teachers from Art of Living had taken the session from 10:30 to 11:30 AM. Dr. R V Praveena Gowda, Principal, The Oxford College of Engineering welcomed the yoga trainers and addressed the gathering. He mentioned that YOGA is the need of the day and with the initiative of AYUSH, Government of India it has gained momentum at College and School level to celebrate the International Yoga Day for a better society with better citizens.



Highlights of the session include practicing the following:

- Breathing techniques
- Relaxation exercises
- Stretching
- Yoga asanas
- Sri Meditation



Outgoing Batch of 2017-2018

**Department of
Computer Science
Engg.**



**Department of
Information Science
Engg.**

**Department of
Electronics and
Communication Engg.**





**Department of
Electrical and
Electronics Engg.**



**Department of
Mechanical Engg.**



**Department of
Biotechnology**

**Department of Civil
Engg.**



**Department of
Automobile Engg.**

**Department of
Mechatronics Engg.**





**Department of
Computer Application**



**Department of
Management Studies**

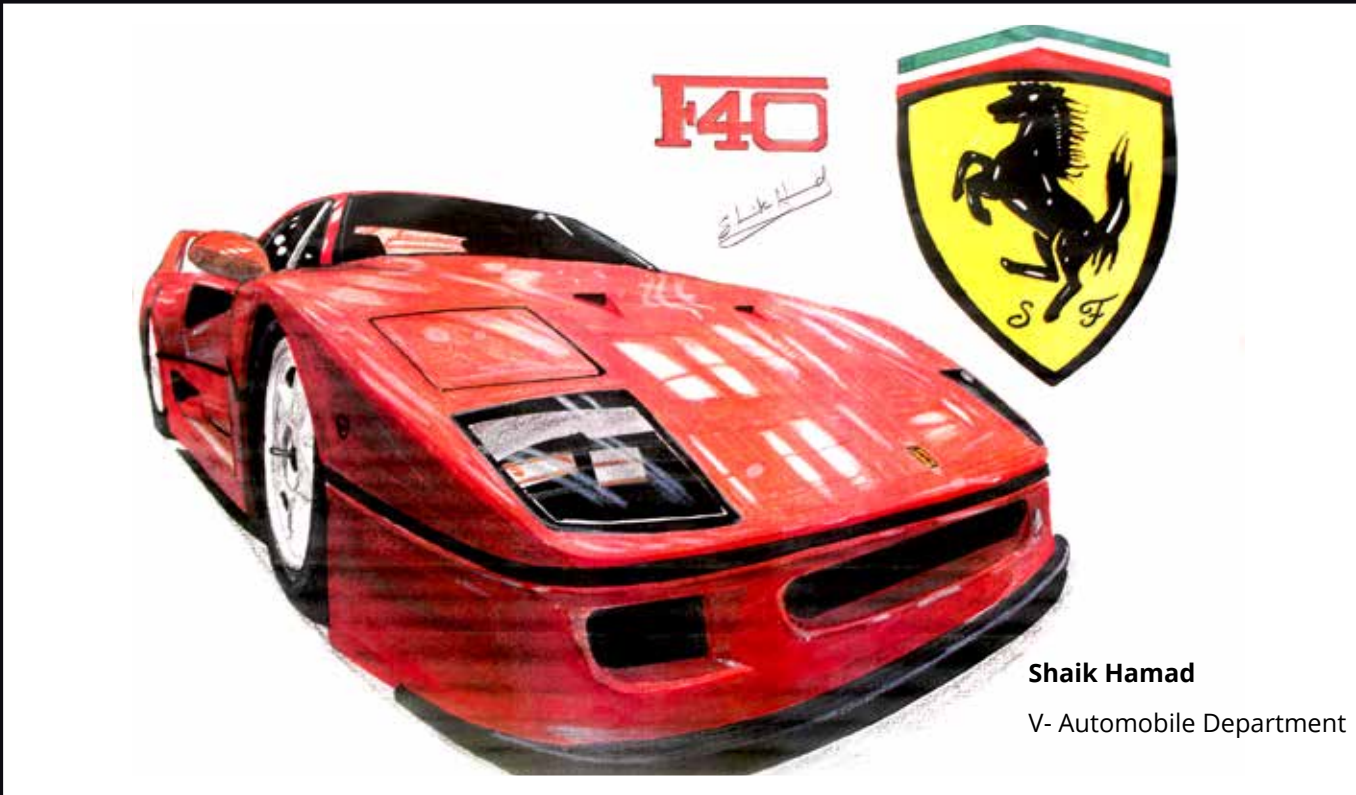


**The Oxford School of
Architecture**

Photographs



Shabarish V B
ECE



Shaik Hamad
V- Automobile Department



Merin Philip
III A- CSE

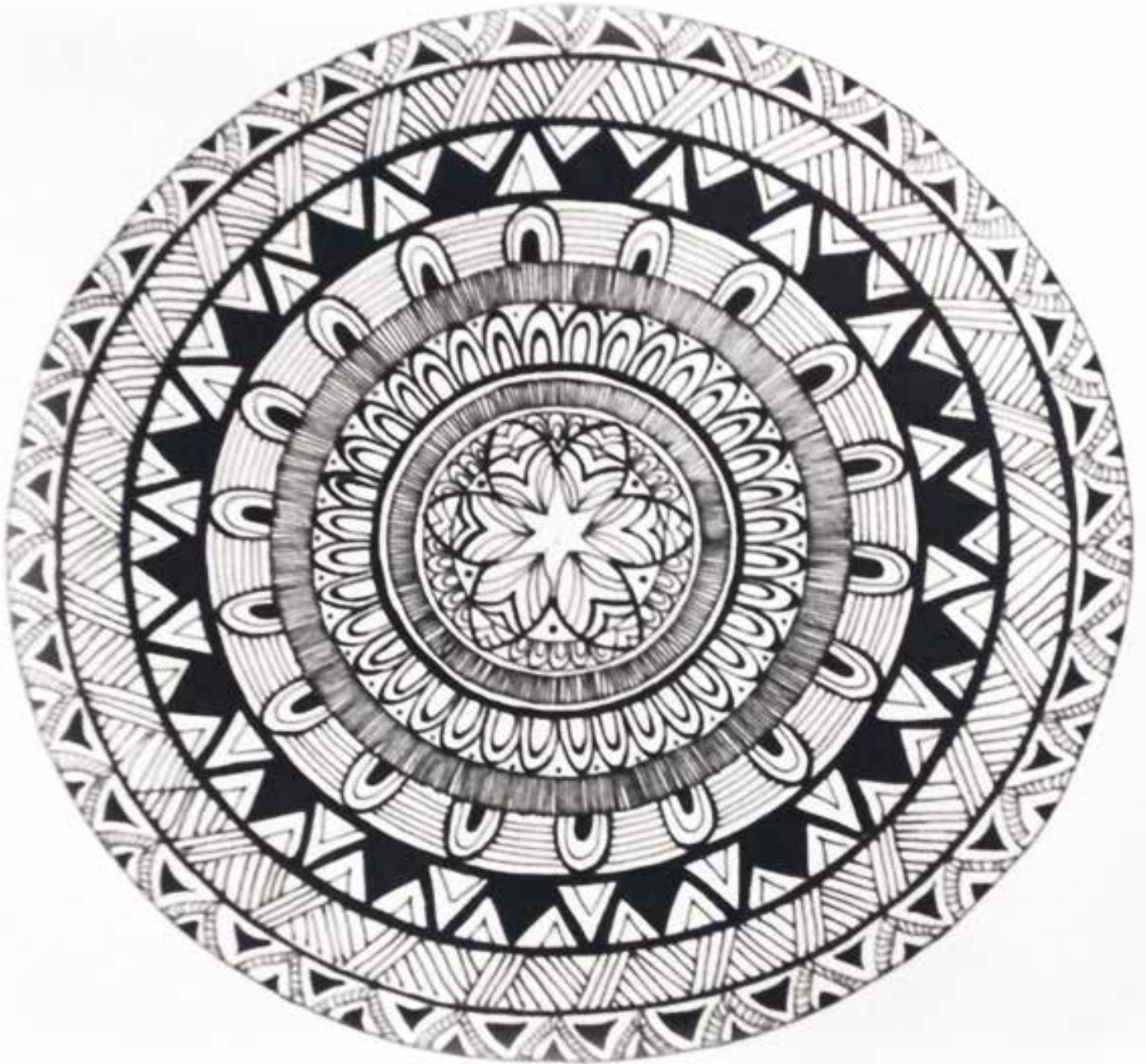


Merin Philip
III A- CSE

Annual Athletic Sports Meet 2018



*Arts &
Articles*



ಕವನ

ನಿನಗೆ ಇಡಬೇಕೆಂದಿದ್ದಳು ಹೆಸರು ಮಮತೆ
ಅವಳ ಈ ಜನ್ಮದ ಪ್ರೀತಿಗೆ ನೀ ಸೋತೆ
ನಿನ್ನ ಅಪ್ಪನ ಪ್ರೀತಿಯ ಸೀತೆ
ಅವಳೇ ಈ ನಿನ್ನ.....ಜೀವದಾತೆ

ನೀ ಬೇಡಿದ್ದೆಲ್ಲ ಇಲ್ಲ ಎನ್ನದ ನಿನ್ನ ನಾಯಕ
ನೀ ಸಂತೋಷವಿದ್ದರೆ ಅವನದು ನಗುಮುಖ
ಸದಾ ನಿನ್ನ ಏಳಿಗೆಗೆ ಹೋರಾಡುವ ಸೈನಿಕ
ಅವನೇ..... ಈ ನಿನ್ನ ಜನಕ

ಸನ್ಮಾನಕ್ಕೆ ಸರಿ ಎನ್ನುವವರಿಲ್ಲ
ಅವಮಾನಕ್ಕೆ ತಪ್ಪು ಎನ್ನುವವರಿಲ್ಲ
ಎರಡನ್ನೂ ಅನುಭವಿಸಿದ ಮನಸ್ಸೆ ಇಲ್ಲ
ಛಲವಾದಿ ಬದುಕು ಈ ಜಗತ್ತಿನಲ್ಲೆಲ್ಲ...

ಚಂದ್ರ ನೀನೇಕೆ ಒಂಟಿಯಾಗಿರುವೆ?
ನಿನಗೆ ಬೇಸರ ಅನಿಸುವುದಿಲ್ಲವೇ?
ನಿನ್ನ ಆ ಒಂಟಿತನವನ್ನೆ ಎಲ್ಲರಿಗೂ ಮೆಚ್ಚಿಸುವೆ
ಅನಿಸುತ್ತೆ ನನಗೂ ನಿನ್ನ ಹಾಗೆ ಬದುಕಲು ಹೇಳಿಕೊಡುವೆ.....

ಬೆಳ್ಳಿ ಸಿಕ್ಕರೂ ಬಂಗಾರಕ್ಕಾಗಿ ಅಲೆದಾಡುವ ಜನರು
ಬರಗಾಲಕ್ಕೆ ಸಿಕ್ಕಿ ಅನುಭವಿಸುವವರ ಕಷ್ಟ ತಿಳಿಯಲಿಲ್ಲ
ಹೊತ್ತಿನ ಊಟಕ್ಕಾಗಿ ಹೋರಾಡುವ ಜನರ ಮೌನದ ಮಾತು ಅರಿಯಲಿಲ್ಲ
ಅವರವರ ಸಂತೋಷಕ್ಕಾಗಿ ಭೂಮಿಯ ಅಗೆದು ನಿಲ್ಲಲೂ ಕೂಡ ಹಿಂಜರಿಯಲಿಲ್ಲ...

Vijaylaxmi Halkarni

V B



Sahana M
VII B ECE



Sahana M
VII B ECE

EEE- EXPECTATIONS DOES NOT LEAD TO EXCELLENCE IN ELECTRICALS

Well, to start with.....

Each and everyone know that EEE is considered as the oldest branch in Engineering.

But people should know that it is the hardest of all

No matter how hard you try....

You will never understand the subjects!!!!

Well.... How do I tell you regarding SUBJECTS in our branch???

- Expect for Mobile Networks, we never knew we will have a subject called "NETWORK ANALYSIS" which deals with so many CIRCUITS!!!
- We never knew we will come across a subject called "FIELD THEORY" which has no theory at all !!!
- We don't know how to manage ourselves.... But guess what??? We have "MANAGEMENT and ENTREPRENEURSHIP"....
- We have no idea regarding design and stuffs... Oh! Wait, I am talking about "LOGIC DESIGN"
- Don't dare to ask about HEART BREAKING subject we have "POWER ELECTRONICS"!!
- We never really bother about cost and stuffs related to things we buy..... But guess what?? we have this special subject called "ESTIMATION and COSTING"
- Don't ask about Nightmares.... This subject is a nightmare though..... We have to deal with SWITCHBOARDS and LAYOUTS!!!
- How can I forget another subject??? Forget about SELF CONTROL and stuff.... Nothing can control us like "MICROCONTROLLERS"

Take "ENGINEERING" they said....

Take "ELECTRICAL ENGINEERING" it will be fun..... They said

And the rest

Is History!!!



S. Ashritha Shree

(EEE, 5A)

Shabnaz Begum

V B CSE

Verizon's Pixel and Pixel XL won't be inferior to Google's

Good news Android fans: Verizon's version of the Pixel and Pixel XL won't be second-rate to versions purchased from Google after all. Last week, Google told 9to5Google it would be in charge of releasing monthly security updates for Verizon's Pixels and Verizon would be in charge of pushing out system updates (read: new versions of Android).

Well, that's no longer the plan. Google will release both system updates and monthly security patches and Verizon's Pixel phones will receive them on the same day as Pixel phones sold through the Google online store according to Arcs Technical. First and foremost, all operating system and security updates to the Pixel devices will happen in partnership with Google, a Verizon spokesperson told Arc. In other words, when Google releases an update, Verizon phones will receive the same update at the same time (much like iOS updates). Verizon will not stand in the way of any major updates and users will get all updates at the same time as Google. That's really great news! The fear with Verizon handling system updates was that it could drag its feet like it has in the past. And there's more good news: the three pre-installed "bloat ware" apps that come on the Verizon Pixels will be removable and the phones will be carrier unlocked, meaning they'll work with any carrier. We previously recommended buying the Pixels directly from Google, but now that we know the Verizon versions will be identical to Google's (after you uninstall the three apps, of course), the only reason not to buy from Verizon is if you're on a different carrier. If you're on Verizon, the Pixels are even more attractive now, especially if you trade in your old phone for up to \$300.

Vora Sagar

MCA 6th Sem



Google added fact checking: Face book, it's your move now

Google yesterday announced it will introduce a fact check tag on Google News in order to display articles that contain factual information next to trending news items. Now it's time for Face book to take fact-checking more seriously, too. Face book has stepped into the role of being today's newspaper: that is, it's a single destination where a large selection of news articles is displayed to those who visit its site. Yes, they appear amidst personal photos, videos, status updates, and ads, but Face book is still the place where nearly half of American adults get their news. Face book has a responsibility to do better, then, when it comes to informing this audience what is actually news, what is fact-checked, reported, vetted, legitimate news, as opposed to a rumour, hoax or conspiracy theory. It's not okay that Face book fired its news editors in an effort to appear impartial, deferring only to its algorithms to inform readers what's trending on the site. Since then, the site has repeatedly trended fake news stories, according to a Washington Post report released earlier this week. The news organization tracked every news story that trended across four accounts during the workday from August 31st to September 22nd, and found that Face book trended five stories that were either "indisputably fake" or "profoundly inaccurate." It also regularly featured press releases, blog posts, and links to online stores, like iTunes – in other words, trends that didn't point to news sites. Face book claimed in September that it would roll out technology that would combat fake stories in its Trending topics, but clearly that has not yet come to pass – or the technology isn't up to the task at hand. In any event, Face book needs to do better. It's not enough for the company to merely reduce the visibility of obvious hoaxes from its News Feed – not when so much of the content that circulates on the site is posted by people – your friends and family – right on their profiles, which you visit directly.

Plus, the more the items are shared, the more they have the potential to go viral. And viral news becomes Trending news, which is then presented all Face book's users in that region. These matters. Face book has trended a story from a tabloid news source that claimed 9/11 was an inside job involving planted bombs. It ran a fake story about Fox News anchor Megyn Kelly which falsely claimed she was fired. These aren't mistakes: they are disinformation. Face book has apologized for the above, but declined to comment to The Washington Post regarding its new findings that fake news continues to be featured on the platform. In addition, not only does Face book fail at vetting its Trending news links, it also has no way of flagging the links that fill its site.

Outside of Trending, Face book continues to be filled with inaccurate, poorly-sourced, or outright fake news stories, rumours and hoaxes. Maybe you're seeing less of them in the News Feed, but there's nothing to prevent a crazy friend from commenting on your post with a link to a well-known hoax site, as if it's news. There's no tag or label. They get to pretend they're sharing facts. Meanwhile, there's no way for your to turn off commenting on your own posts, even when the discussion devolves into something akin to "sexual assault victims are liars" (to reference a recent story.) Because perish the thought that Face book would turn of the one mechanism that triggers repeat visits to its site, even if that means it would rather trigger traumatic recollections on the parts of its users instead. There is a difference between a post that's based on fact-checked articles and a post from a website funded by an advocacy group. There's a difference between Politifact and some guy's personal blog. Face book displays them both equally, though: here's a headline, a photo, some summary text. Of course, it would be a difficult job for a company that only wants to focus on social networking and selling ads to get into the media business – that's why Face book loudly proclaims it's "not a media company." Google at least has stepped up to the plate and is trying to find a solution. Now it's Face book's turn.

Ushasree R

Assistant Professor, Dept. of MCA

TROGAN SEA HORSE

The Author, Architect Benny Kurian is an Associate professor at The Oxford School of Architecture.

A new teacher comes in with all his product design lessons learnt at the industrial design center at Powai. He teaches all he knows about the saddle shape and the ridge-valley principles of Doubly curved shapes. Geometry of Doubly curved forms was the exercise given to the class. I, then a first year student of Trivandrum college of Engineering, decided to experiment the three dimensional version of the theoretical Doubly curved surface. Sketching them, doodling newer forms refining them with the Isometric drawings taught at that time, moving through time rather mechanically, twenty years later a form seems to be ready to touch the market.

Years later before teaching the same topic I decide to re discover and research them before teaching the principles to the students. I start with three simple triangular interlocking plates of form-boards. Interlock them with asymmetrical lines and more freedom comes our way. Follow orthogonal pattern of a continuous crisscross weaving pattern and a bone like form evolves. Think of its miniature model and its applications. Thoughts of microchips and its implanting overshadows building form-finding exercises. Thoughts take me to the workshop floor, CNC machine cutting the steel plates and careful rounding of the edges. It seemed like an extension of the lessons on development of surfaces. Can the form be perfected and advanced to suit dental stent implants? Questions start pouring into my mind. The mind conceives a more advanced product that could reach the market. The CNC plates are made of three interlocking triangular plates along with the softness required at the clipping ends. The pattern of weaving of the steel wire reinforcements could be assisted by computers. Plenty of logical sequences to be programmed into the computers.

Raising is a metalworking technique whereby sheet metal is depressed in a stump or other solid object by repeated 'courses' of hammering and annealing. A Sheet metal worker is often required to raise, or bump, the work into form from the flat metal, by means of a raising hammer and raising block. The raising block is made from substance giving resistance to the blows. A modern term is Synclastic raising, the dominant curves of the object being forged are at right angles and move in the same direction; as in a bowl. This results in a surface possessing elliptic geometry. Anticlastic raising, on the other hand, refers to shaping an object where the dominant axes move in opposite directions; a familiar example of this is a potato chip. This results in a surface possessing hyperbolic geometry.

The geometry of locus- focus and parabola hyperbola were not subjects learnt in wane. Doubly curved surfaces and the geometry of the nodal points will evolve a newer geometry of grids that will be structural and economically with more efficiency. These patterns of grids and its projections on HP can evolve grid patterns that may be more suitable for terrain ridden sites. The wiring pattern itself, being three dimensional calls for a new kind of hardware architecture where perhaps architects can contribute their spatial understanding for effective use of space and materials . If for instance, super conductive materials are expensive and workability is a concern. The much needed de constructionist freedom for architecturally designed spaces can be achieved with great acceptance of the rationale of doubly curved surfaces.

Give the imaginative nerve a synaptic pulse, its imagination builds its own castle. It now ventures into the exploratory mission of Robotic science. Introduction of tiny elements like pulleys and venation blinds can add decorative elements and form smoothing aspects into the final form. Introduction of hinges can assist in movements along desired directions. Robotics and mechanically controlled exoskeleton may have greater efficiency simply because the wires are playing three tired role of conducting electricity, lending structural support gracefully transmitting forces. The world of Utopian architecture can have a new admission. The floor plate analysis its balancing and its earthquake resisting gyro components now begins to be developed in the virtual space by working from very abstract to graceful addition of detailed strands. The tendons of the exoskeleton with the blend of tensigrity structures delivers a highly fictional form. Flipping through the era of Utopian Architecture by architect El Lissitzky, one envisions a sculptural Trojan Sea horse at a Military base along the Coromandal coast.

References:

"El Lissitzky on Paper: Print Culture, Architecture, Politics, 1919–1933"...Samuel Johnson https://en.wikipedia.org/wiki/Responsive_architecture

https://en.wikipedia.org/wiki/Cloud_Nine_%28tensegrity_sphere%29.

MOMENTS OF SCEPTISM

Moments of sceptism....
Reason not found.
You want to go on adventure...
No courage left in.
Every minute breaks you...
The next second shatters you.
You want to laugh like heaven...
Meaning of laughter is long forgotten.
You want to dry like a retard.....
There is not even a grain of pain in you.
You want to shout for no reason...
But silence feels amazing.
You want to die at the moment...
But you want to live for another 100 years.

Ayesha Sumaiya
(CSE, 3 Sem)



Sai Tejashree
VII B- ECE

QUOTES

1. Best friends and Chai

Best friends are like an aromatic cup of Chai. Drink it everyday, every week and forever. Neither you'll get bored of it, nor it fails to refreshen you.

2. Life is neither beautiful nor horrific

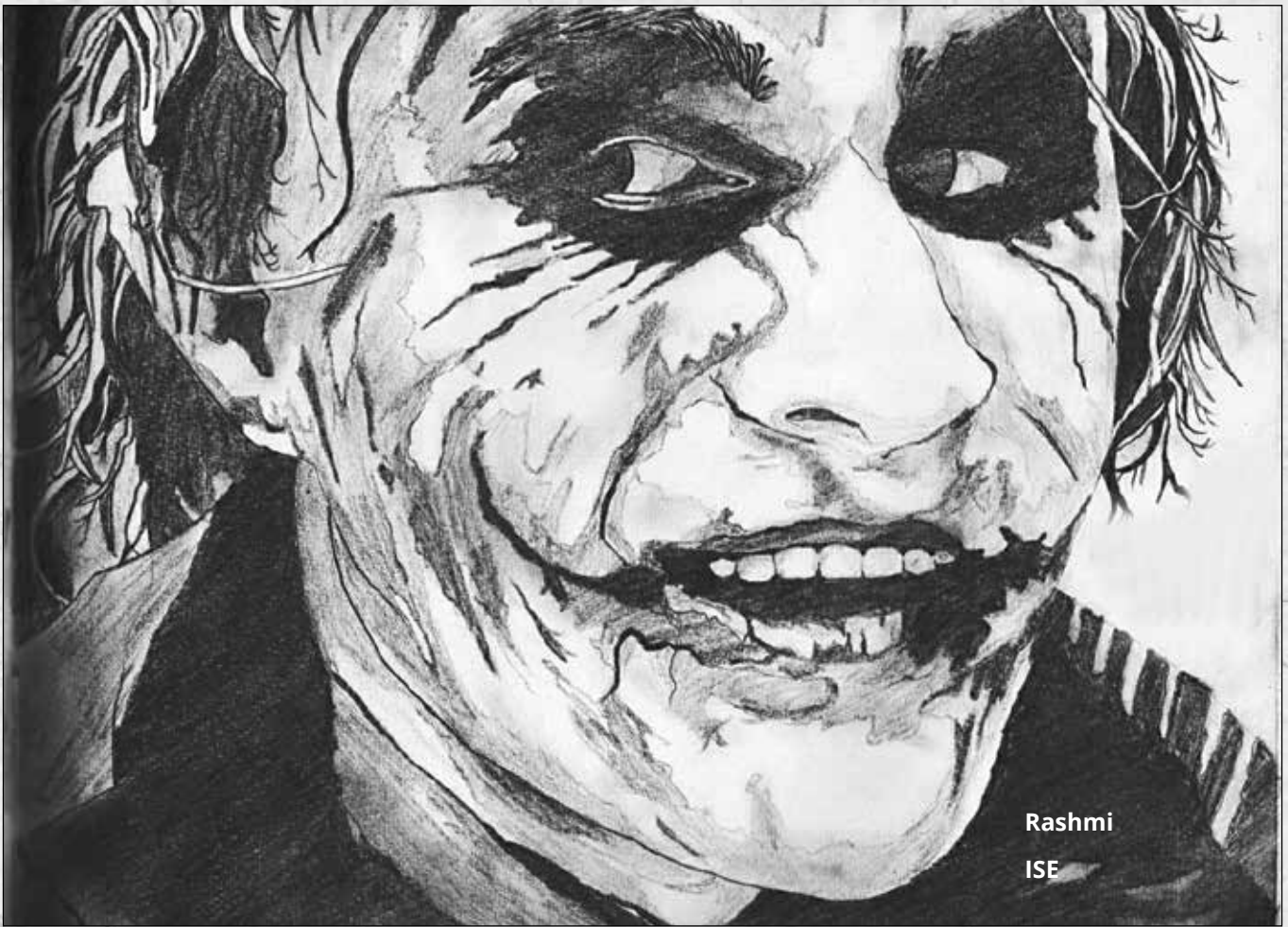
When beautiful moments start entering your life, your life becomes so beautiful that the word beautiful cannot possibly define the beauty of that moment.

When your life becomes horrific neither the word horrific nor the most horrific word in the Oxford dictionary can describe the horrific moment.

3. Invisible shadows

Some individuals are like invisible shadows, not meant to leave even in the darkness. The reason for their stay lies in their invisibility

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