



THE OXFORD COLLEGE OF ENGINEERING

College Newsletter **SANDESH**

December - 2019

Vol. No. 18



Sri. S. Narasa Raju
(05.06.1941 - 16.05.2016)
Founder Chairman,
The Oxford Educational Institutions



**Message from
Director**
Dr. Amarnath K
Director,
The Oxford Educational Institutions



**Message from
President**
Sri. S N V L Narasimha Raju
President, Children's Education Society
Chairman,
The Oxford Educational Institutions

I am glad to note that The Oxford college of Engineering (TOCE) is coming up with the 18th volume of its annual News Letter 'Sandesh'. TOCE has been one of the best Engineering College in India, Known for quality faculty, state-of-the-art infrastructure and excellent students. The college has been making large strides both academically as well as in co-curricular activities and placements. The college has organized lot of events for both students and faculty in the preceding year. Seminars, Conferences, Symposiums and Tech-Fests of national importance have been organized by the various departments as depicted in the departmental report. It is one of the good place for research. Also our students have been excelling academically by bagging VTU ranks, Winning prizes in national level events and getting good placements in reputed Companies with maximum pay of 12 lakhs per year. I congratulate the editorial committee for meticulous collation of data, aptly illustrated with relevant pictures and photographs of various activities and events. I wish the best to my students and faculty in all their future endeavours.

Dear University and College Members,

The current edition of College Newsletter "SANDESH" for 2020 projects the literary talents and creativity in the form of articles and over all activities of the College in a nut shell. It is the replica of the byproducts of the academics attracting the conceivable area of technological curriculum. It also reflects the innovation inducted in the teaching techniques yielding more than the expected result. Many topics emerge from divergent aspects in the College to convey the creative role of students & faculty to stretch the imagination into different frontiers to bring out their perception.



**Message from
Principal**
Dr. A. S. Aravind
Principal

It gives me immense pleasure to write these few words of prologue to our college newsletter 'SANDESH' which exclusively highlights the activities of the departments, the faculties and students in our college. I congratulate all the achievers, contributors and the editorial board for bringing out this beautiful edition. Students empowerment for their growth and overall development through education is our cherished motto.

In today's connected world, education means much more than merely coming to college. It is the acquisition of knowledge, developing necessary skills, networking of students, building character and improving employability of young talent for creation of future leaders. The Oxford Culture provides an ideal environment for students to achieve these objectives of education for building a stronger nation. Measures initiated by the Hon. Management, steps taken by the college administration, the willing and dedicated contribution of the teaching and non-teaching staff all vouch for this. The overwhelming and enthusiastic participation of students in all the various activities has put the college on a strong footing. I am proud of being part of such a prestigious institution dedicated to the cause of good education system for this nation. The Children's Education Society is setting a benchmark to show how education through diligence, devotion and dedication can transform children's lives for a better future, and make them responsible citizens of this great nation.

IN THIS ISSUE...

- COLLEGE TOPPERS
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- Placement Details
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- Sports Report
- NSS Activities

MAGAZINE RANKINGS 2019

CAREERS 360 RATED TOCE AS “AAA”

INDIA TODAY

Top 200 Best Private Colleges in Engineering

11th Place	Amongst Best Private Colleges In Bengaluru
135th Place	Amongst All India Best Private Colleges

TIMES OF INDIA

Times Engineering Institute Ranking Survey 2019:
Overall Ranking



49th Rank	Top Engineering Institute Rankings 2019 in India
44th Rank	Top Private Engineering Institutes on Placement



2nd Rank	Among Top T Schools (Private) in Bengaluru
18th Rank	Amongst Top T Schools (Private) in India

Outlook

6th in Bengaluru	India's Top 100 Engineering Colleges In 2019
3rd in Bengaluru	India's Top 20 Institutes Of Architecture In 2019



Top 75 Engineering Colleges - Overall Ranking

42nd in Karnataka	The Oxford College of Engineering
Grade A	The Oxford College of Engineering

AICTE – CII
Survey of Industry
Linked Technical
Institutes 2018



Silver	The Oxford College of Engineering
Gold	The Oxford College of Engineering - MBA Programme
Gold	The Oxford College of Engineering - MCA



NEWS LETTER TEAM

Editorial Team

Dr. R Kanagavalli – ISE

Name of the Coordinator	Department	Name of the Coordinator	Department
Dr.Saravanakumar	CSE	Mr.Prasanth	Civil
Ms.Sandhyarani	ISE	Ms.Vanitha	Maths
Ms.Jisha	ECE	Ms.LeelaRani	Physics
Ms.Devi	EEE	Dr.Gayathri	Chemistry
Mr.Anoop	Mech	Ms.Prema	MBA
Mr.Prassanna S N	Automobile	Ms.UshaShree	MCA
Mr.Chethan	Mechatronics	Mr.Mahesh	PED
Ms.Aswathi	Bio-Tech	Ms.Vijayalakshmi	Placement

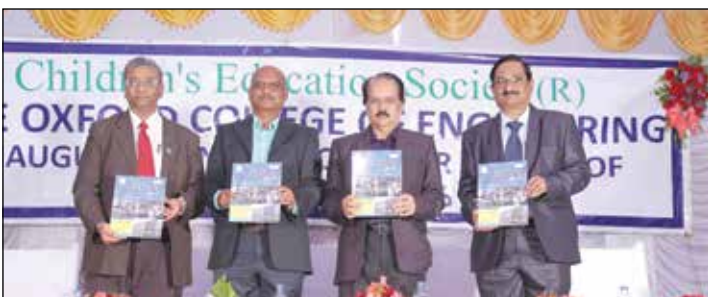


Newsletter Committee

INAUGURATION DAY OF PG PROGRAMS - M.TECH, MCA AND MBA



INAUGURATION DAY OF UG PROGRAMS



INAUGURATION DAY OF UG PROGRAMS



INAUGURATION DAY OF UG PROGRAMS



CONVOCATION



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited by NBA for 3 years

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.

GUEST LECTURES/EXPERT LECTURES



Expert Lecture on Career Guidance was conducted by Mr. Bhanu Chander from TIME INSTITUTE, Bangalore on 18/10/2019 for 7th semester Students.



Expert Lecture on Cloud / Docker was conducted by Mr. Vilas Varghese HSBG Infotech, Bangalore on 17/10/2019 for 5th semester students.



Expert Lecture on Coding Standards & Introduction to Data Structures was given by Mr. Shashank Pyate (Alumni of CSE 2015 Batch), BTeServ India Pvt Ltd on 26/10/2019 for 3rd semester students.



Expert Lecture on Multimedia and Animation was given by Prof. Suraj D & Ms. Kamini S ICAT on 24/10/2019 for 7th semester students.



Expert Lecture on Computer Organization was given by Ms. Shilpa G.V, Associate Professor, Vemana Institute of Technology, Bangalore on 30-10-2019 for 3rd semester students.



Dr. T Srinivas IISC Professor explaining about IEEE to CSE Faculty.

FACULTY ACHIEVEMENT

- Dr R Ch A Naidu Professor and Head of CSE and Dr E Saravana Kumar Associate Professor of CSE has participated AICTE – Skill & Personality Development Programme Centre for SC / ST (SPDP) Scheme meeting on 30.09.2019 held at South West Regional Office (SWRO), Bengaluru.
- Dr R Ch A Naidu Professor and Head of CSE and Dr E Saravana Kumar Associate Professor of CSE is the active member of IEEE.
- Dr E Saravana Kumar, Associate Professor of CSE has delivered lecture to the 1st year MBBS Students during the Foundation Course on “Computer Training Skills” from 29.08.2019 to 31.08.2019 at The Oxford Medical College, Hospital & Research Centre, Attibele, Bangalore.
- Dr R Ch A Naidu Professor and Head of CSE has appointed as Central Coordinator for NBA(National Board of Accreditation) and (National Assessment and Accreditation Council) NAAC at TOCE.
- Dr R Ch A Naidu Professor and Head of CSE has successfully attended a full day workshop on Qs Rankings and Ratings on 20/01/2020, IISc Bangalore.
- Dr R Ch A Naidu Professor and Head of CSE has participated in one day workshop on Academic Excellence through Autonomy & Accreditation on 14/12/2019 at Bangalore Dr E Saravana Kumar, Associate Professor of CSE have been appointed as a technical reviewer for the following journals, International Journal of Computers and Applications - Taylor & Francis, Recent Patents on Engineering - Bentham Science Publishers, Journal of Computational and Theoretical Nanoscience - American Scientific Publishers
- Mr. Senthil Kumar, Associate Professor of CSE Dept registered and participated for Database Management Systems courses conducted by NPTEL, funded by MHRD, Govt. of India.
- Ms. Seema Patil secured successful completion certificate for “Data Mining” and “Introduction to Programming in C” courses conducted by NPTEL, funded by MHRD, Govt. of India.

- Ms. Shobha T, Associate Professor of CSE Dept secured Elite Silver Certificate for “Introduction to Programming in C” courses conducted by NPTEL, funded by MHRD, Govt. of India.
- Ms. Sowmya HK, Assistant Professor of CSE Dept secured Elite Silver Certificate for “Introduction to Programming in C” courses conducted by NPTEL, funded by MHRD, Govt. of India.
- Ms. Jesy Janet Kumari, Assistant Professor of CSE Dept secured Elite Certificate for “Introduction to Programming in C” courses conducted by NPTEL, funded by MHRD, Govt. of India.

WORKSHOPS/CONFERENCES ATTENDED BY STAFF MEMBERS

- Dr R Ch A Naidu Professor and Head of CSE has participated one day workshop on “New NAAC Accreditation process for Engineering colleges” organized under TEQIP 1.3 Fund on 25.08.2019 at VTU Belgavi, Karnataka.
- Dr R Ch A Naidu Professor and Head of CSE has participated one day workshop on “5G Intelligent transportation systems (ITS) How 5G can solve Bangalore traffic problem” on 08.11.2019 at Wipro LTD, Electronic City, Bangalore.
- Dr E. Saravana Kumar Associate Professor of CSE Dept attended 1 Day Workshop on Machine Learning on 19/09/2019 at The Oxford College of Engineering, Bangalore.
- Mr. Senthil Kumar Associate Professor of CSE Dept attended 1 Day Workshop on Machine Learning on 19/09/2019 at The Oxford College of Engineering, Bangalore.
- Ms. Seema Patil, Associate Professor, Dept. Of CSE has attended a One Day Workshop on “Machine Learning” on 19/09/2019 at The Oxford College of Engineering, Bangalore.
- Ms. Shobha T, Associate Professor, Dept. of CSE has attended a One Day Workshop on “Machine Learning” on 19/09/2019 at The Oxford College of Engineering, Bangalore.
- Ms. J. Jesy Janet Kumari, Ms. P. Latha, Ms. Tintu Thampi P, Ms. Latha Assistant Professor, Dept. Of CSE attended one day national seminar on Quality Enhancement at The Oxford College of Science on July 5th 2019.
- Ms. Tintu Thampi P, Assistant Professor, Dept. of CSE has attended a One Day Workshop on “Machine Learning” on 19/09/2019 at The Oxford College of Engineering, Bangalore.

JOURNAL PUBLICATIONS

Seema Patil and Anandhi R J, Paper entitled “Clustering with modified mutation strategy in Differential Evolution” has been accepted in Journal of Science and Technology (JST) in Pertanika Journals.

RESEARCH ACTIVITIES

- Dr R Ch A Naidu Professor and Head of CSE has published a Patent entitled “Identify the Humidity in the soil and based on the water with the help of machine learning” on 24.10.2019, Application ID: 201941042575
- Ongoing project - Skill and Personality Development Programm for SC/ST students, duration (2017-2020)

PLACEMENTS ACTIVITIES

Sl. No.	USN	Name	Company Name
1	10X16CS057	Pragathi nagaraj	SAP LABS
2	10X16CS110	Yogesh s	COGNIZANT TECHNOLOGY

3	10X16CS076	Sangavi c	JK SOFT TECHNOLOGY
4	10X16CS110	Yogesh s	
5	10X16CS058	Prakruthi rao	
6	10X16CS070	Rufus jason p	
7	10X16CS015	Ashmitha dale pais	
8	10X16CS032	Keerthan m p	INFOSYS
9	10X16CS014	Arun totad	
10	10X16CS015	Ashmitha dale pais	
11	10X16CS075	Sandhya r k	
12	10X16CS036	Kishan k	IBM INDIA
13	10X16CS044	Madhushree p	
14	10X16CS076	Sangavi c	
15	10X16CS094	Swathi c shetty	COVANCE (INTERNSHIP)
16	10X16CS067	Rashmi r	
17	10X16CS047	Manvi pooja	
18	10X16CS017	Baruva praveena	
19	10X16CS092	Swajani g k	COGNIZANT TECHNOLOGY
20	10X16CS092	Swajani g k	
21	10X16CS104	Vikas vinugna mk	
22	10X16CS047	Manvi pooja	
23	10X16CS020	Brinda n murthy	
24	10X16CS015	Ashmitha dale pais	BYJU'S - A LEARNING APP
25	10X16CS060	Prince kumar singh	
26	10X16CS071	S Kennedy Francis	VMWare
27	10X16CS110	Yogesh S	WIPRO
28	10X16CS079	Santhoshkumar S	
29	10X16CS043	M Shalini	TECH MAHINDRA
30	10X16CS046	Manoj L	
31	10X16CS066	Ranjana Rajeev	
32	10X16CS070	Rufus Jason P	
33	10X16CS020	Brinda N Murthy	ZYCUS

STUDENT TOPPERS LIST

PG (M.Tech - CSE)

Sl. No.	Sem	Name	% of Marks
1	2nd	Gayathri R	80%

UG (B.E - CSE)

Sl. No.	Sem	Name	% of Marks
1	2nd	Namratha s	89.75%
2		Sivakama Sundari	87.63%
3	4th	Shivangi arul	87.41%
4		Muskan m	85.41%
5	6th	M shalini	82%
6		Baruva praveena	81.40%
7	8th	Monish I	85.60%
8		Supriya p	85.60%
9		Sudarshan gowda	83.87%

INDUSTRIAL VISIT



One day Industrial visit was organized for final year 7th Sem CSE students to DELL EMC , Bangalore on 6th September , 2019.

WORKSHOP ORGANIZED



Hands-on workshop on Machine Learning was organized for 7th semester students by Mr. Satish Reddy, Palle Technologies, Bangalore on 19-09-2019.

FUNDED PROJECTS

- Dr R Ch A Naidu HOD of CSE, has received grant of Rs.6,83,000/- under PRERANA scheme, AICTE, New Delhi.
- Dr E Saravana Kumar Associate Professor of CSE, has received grant of Rs.5, 00,000/- under Vision Group on Science and Technology, Govt. of Karnataka.

IEEE – CS CHAPTER

Department of Computer Science and Engineering yet to start IEEE CS chapter at The Oxford College of Engineering. The application has filed and it was approved for the further processing. There are 26 active student members in IEEE – CS Chapter

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

MISSION

The department aims to develop the best information science professionals who work creatively, communicate effectively and become technologically competent, also to mould them into good citizens by inculcating sense of ethical values in them.

VISION

To meet the educational, research and service needs of the region through collaboration with academic and technical institutions, business and government agencies and cultural organizations, thereby providing a platform that encourages students and staff to continue their intellectual and professional growth.

GUEST LECTURES (JULY-DEC 2019)

- Dept. of ISE organized Guest Lecture/ Expert Lecture on “Agile Software Development” and the resource person was Mr. Anil Kumar H, Team Manager, Robert Bosch, Bengaluru on 10th October 2019 at new building 4th floor seminar hall.
- Dept. of ISE organized Guest Lecture on “BITCOIN – CRYPTOCURRENCY” on 13th November 2019, venue was new building 4th floor seminar hall. The guest was Mr. Shorupan, Director of NevstLab, Pvt Ltd, Bangalore.



Mr. Anil Kumar H delivering lecture on Agile Software Development



Mrs. Kanagavalli, Prof & HOD Presented token of appreciation to Mr. Anil Kumar H



Mr. Shorupan Explaining BITCOIN



Mr. Shorupan answering Students question

CSI CHAPTER ACTIVITIES (JULY-DEC 2019)

- The Department of Information Science & Engineering, The Oxford College of Engineering organized CSI Expert Lecture on "MACHINE LEARNING" and the resource person was Mr. Prashanth, Decibelslab, Pvt Ltd, Bengaluru on 14th November 2019, venue was new building 4th floor seminar hall.



Mr. Prashanth delivering lecture on Machine Learning



Mr. Prashanth answering the question to the students

- The Department of Information Science & Engineering, The Oxford College of Engineering organized CSI Expert Lecture on "Stepping Information in Data Science" by the resource person Mr. Akash Gautam, Director of Appstone, Pvt Ltd, Bengaluru on 18th November 2019, venue was new building 4th floor seminar hall.



Mr. Akash Gautam giving introduction to Python



Hands on session on Python Programming

TECHNICAL TRAINING (JULY-DEC 2019)

- The Oxford college of Engineering has organized Technical Training on programming languages(C, C++, JAVA HTML, Python) and advanced concepts(ML and AI) for final year students of ISE was conducted by IIHT, from 4th Nov 2019 to 11th Nov 2019.



FACULTY ACHIEVEMENTS (CENT PERCENT RESULT)

The following staff members achieved 100% result in their respective subjects VTU exams held in May-2019.

Sl. No.	Faculty Name	Subject Name with code
1.	Ms. Kokila	Cloud Computing/15CS742

2.	Ms. Geetanjali	Information & Network Security /15CS743
3.	Ms. Sindhuja	Storage Area Networks /15CS754
4.	Ms. Chitra	Software Architecture and Design Patterns/15IS72
5.	Ms. Kokila	Machine Learning
6.	Ms. Sindhuja	Management and Entrepreneurship/15CS51
7.	Mr.Amaresha	Management and Entrepreneurship/15CS51
8.	Ms. Chitra	Computer Organization/17CS34
9.	Ms. Visalini	Big Data Analytics/15CS82 Data Mining & Data Warehousing/ 15CS651
10.	Dr.Kanagavalli	System Modeling & Simulation/15CS834 Cryptography & Network Security/15CS61
11.	MS. R.Suganya	Big Data Analytics/15CS82 Software Testing 15CS63
12.	Ms. Kalaiselvi.S	System Modeling & Simulation/15CS834 File Structures/15CS52
13.	Mr. Karthik S. L	Operating Systems/15CS64
14.	Ms. Indu.K.S	Operating Systems/15CS64
15.	Mr.Channappa Gowda	Mobile Application Development/ 15CS661
16.	Ms. Vinodha. K	Internet of Things & Technology/15CS81

RESEARCH ACTIVITY

- Ms.Kokila, Asst. Professor, Dept of ISE has completed her course work on May 19.
- Mr.ChanappaGowdaD.V, Asst. Professor, Dept of ISE has completed his course work on May 19.

STUDENTS' ACHIEVEMENTS

1. TOPPERS LIST (UG)

Sl. No.	Sem	USN	Name	Aggregate
1	II	10X18IS012	Aradhana M K	91.12
2		10X18IS029	Inchara T	87.87
3		10X18IS015	Ayesha Rahaman Aiman	87.62
4		10X18IS023	Gagan V	85.62
5		10X18IS013	Arpitha Nanda	83.25
6	IV	10X17IS058	Sushma B N	88.62
7		10X17IS057	Sushaktha Hm	86.87
8		10X17IS009	Chaithra Bu	85.37
9		10X17IS017	Jeysri Ls	83.37
10		10X17IS008	Bhavya N M	81

11	VI	1OX16IS111	Thanuja	86.3
12		1OX16IS009	Akshaya Kumari S	84.75
13		1OX16IS087	Sargam P	84.5
14		1OX16IS074	Rashmi	84
15		1OX16IS073	Ramya S	82
16	VIII	1OX15IS024	Bitty Cleatus	90
17		1OX15IS013	Ankit Kumar Mishra	89
18		1OX15IS006	Aishwarya G Shenoy	89
19		1OX15IS121	Varsha Lokesh	89
20		1OX15IS089	Rakshit Venkatesh	87

2. LIST OF STUDENTS PLACED/INTERNSHIP (JUL-DEC 2019)

S.No	USN	NAME	COMPANY NAME
1	1OX16IS098	Soumya	TCS
2	1OX16IS023	Sai Ruchitha	Covance (Internship),Infosys
3	1OX16IS007	Akansha P	Covance (Internship)
4	1OX16IS042	Kritika P	Covance (Internship)
5	1OX16IS048	Mahalakshmi M	Covance (Internship)
6	1OX16IS055	Nagendra K	Covance (Internship)
7	1OX16IS053	Monica K V	Covance (Internship)
8	1OX16IS033	Gurushekara K	Covance (Internship), FAME Technologies (Internship)
9	1OX16IS001	Akansha Sigh	Infosys
10	1OX16IS005	Aishwarya N	Infosys
11	1OX16IS027	Guna	Infosys
12	1OX16IS035	Harshith T R	Infosys
13	1OX16IS037	Hindu Priya C	Infosys
14	1OX16IS044	Likitha P	Infosys
15	1OX16IS054	Monisha R Shetty	Infosys
16	1OX16IS069	Rachana R	Infosys

17	1OX16IS088	Saroja	Infosys
18	1OX16IS089	Sathya V	Infosys
19	1OX16IS090	Shakthi Swaroop	Infosys
20	1OX16IS111	Thanuja K	Infosys
21	1OX16IS077	Nipam	FAME Technologies (Internship)

3. LIST OF STUDENTS ATTENDED COMPETITION DETAILS

USN	Name	Sem	Event & Venue	Prize
1OX16IS033	Poornachandra	III - A & B	Facebook Build Day 2019 at Mesho, Koramangala on 23rd and 24th August 2019	1st prize (\$1500)
1OX16IS037	Anandha Theertha			
1OX16IS074	Prateek K			
1OX16IS035	Rudura swamy			
1OX18IS018	Poornachandra	III - A	DataHack Fest ,October	T-Shirt
1OX18IS018	Poornachandra	III - A	Google October Challenge (QwiCK Labs)	Certificate
1OX18IS045	NavyaT,	III - B	Poster Making Competition "vigilance awareness week-2019" organized by TOCE in association with BANK of BARODA on 7th November 2019	3rd prize
1OX18IS046	Neha			
1OX18IS076	Spoorthy			

STUDENT ACTIVITIES



Student Poornachandra from 3rd Semester answering the question during his presentation



Student Poornachandra from 3rd Semester participated in DATAHACK SUMMIT 2019



Students from ISE department actively participated in Kannada Rajyotsava celebration



Mr.Channappa Gowda from ISE Dept. involved in yoga session conducted during the induction program



Dusshera Celebration at ISE Department



Students from ISE department participated in poster presentation and won 3rd prize



Students from first year of ISE department actively attended induction program conducted in ISE seminar hall



Students from ISE department attended college fest held at Dharwad



Faculties of ISE department celebrated teacher's day and kannada Rajyotsava

STUDENT TOPPERS:

- Student Athira from 3rd Semester received award for scoring centum in Engineering Mathematics



- To encourage the students to get VTU marks, Prof. Dr. D. Jayaramaiah presented a Rolling trophy to Ankit Kumar Mishra, the Topper among passout student 2015-19 batch .

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Accredited By NBA for 3 years

The Electrical and Electronics Engineering Department was established in the year 2001 with an intake of 60 students for the Under Graduate program (BE). At present the intake has been enhanced to 120 students, a Post Graduate program (M.Tech) in Power Electronics course was started in 2008 with an intake of 18 students. The VTU Research Centre of the department was started during 2014 and has seen good progress as many scholars have registered for Ph.D. The Electrical and Electronics Engineering Department was accredited by "NATIONAL BOARD OF ACCREDITATION (NBA)" for the first time in the year 2007 and the Accreditation was renewed in the year 2016. The Department of Electrical and Electronics Engineering got NBA Accreditation for the Third time for the duration of three years from 2018 to 2021. The Department is also accredited by NAAC.

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.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduate of the program will

- Be able to apply the fundamental knowledge of mathematics, science, electrical and electronics engineering to analyze and solve the complex problem in electrical, electronics and allied interdisciplinary areas.
- Possess good leadership skills, function ethically in multidisciplinary areas to develop sustainable solutions for global, environmental and social issues.
- Be able to inculcate lifelong learning to maintain and enhance professional skills.

PROGRAM SPECIFIC OUTCOMES (PSOs)

- Apply fundamental knowledge to identify, formulate, design and investigate various problems of electrical and electronic circuits, power electronics, control systems and power systems.
- Apply modern software tools for design, simulation and analysis of electrical systems to engage in life-long learning and to successfully adapt in multi-disciplinary environments.
- Solve ethically and professionally various Electrical Engineering problems in societal and environmental context and communicate effectively by applying project management techniques to complex engineering problems.

MAJOR RESEARCH ACTIVITIES IN THE DEPT:

Mrs.Viji.K, Associate Professor of EEE dept completed her Ph.D Viva Voce on 13th of September 2019 on "Discrete Sliding Mode Fuzzy Controller

for Converter Applications" under the guidance of Dr.Anil Kumar & Dr.Nagaraj R.

GUEST LECTURES ORGANIZED:



Ph.D Viva Voce on 13th September 2019



Discrete Sliding Mode Fuzzy Controller for Converter Applications

- "Industrial Automation", by Mr.H.S.Shivashankar conducted for VII sem and V Sem students by Core Reserarch Group Engineer and Branch Engineer, Prolific Systems and Technologies Pvt Ltd, Bangalore on 31/10/19
- A guest lecture was conducted for VII semester and V semester EEE studnets on "Propects of Growing Plants in Space", by Dr.H.E.Shashidhar Professor of Genetics and Plant Breeding at University of Agricultural Sciences, Bangalore on 12/11/19.
- A guest lecture for VII, V and III Sem EEE students was organized on "Purpose Driven Life", and Dr.Joshua Ex.Neurologist, Motivational Speaker / Face Reader gave an efficient speech on how to life our life beyond the academic pressures on 14/11/19.



Guest Lecture on Industrial Automation



Propects of Growing Plants in Space



Guest Lecture on Purpose Drive Life

- A guest lecture on "Carrier Opportunities in Animation", by ICAT Technologies Bangalore on 16/11/19 for Final year EEE students gave an indepth knowledge about the recent opportunities in Animation field

TECHNICAL TRAINING:

A One week Technical Training for the students of VII semester EEE was conducted from 4th – 9th November 2019 on “PLC & SCADA” and “C++& JAVA” courses to enhance their knowledge beyond the syllabus and also to help them in their Placements.

INDUSTRIAL VISIT/EDUCATIONAL TOUR:

An Industrial visit was organized for V semester students on 04/10/2019 to “Mahatma Gandhi Institute of Rural Energy and Development” almost 80 students went and gained indepth knowledge about renewable energy



Industrial Visit - 5th Sem EEE



Students from first year of ISE department actively attended induction program conducted in ISE seminar hall

JOURNAL PUBLICATIONS BY FACULTIES

- Mrs.Madhuri Chintada, Mrs.Prakruti Prathasarathy & Mr.Anoop H K, “A Control Scheme for UPQC for Power Quality Improvement”, in International Conference on Electrical Electronics, Computer Science and Information Technology (ICECSIT), organized by Advanced Reserach Society for Science and Sociology & Institute of Research and Journals on May 2019.
- Mrs.Madhuri Chintada, Mrs.Prakruti Prathasarathy & Mr.Anoop H K, “Assessment of Distributed Generation Scheme using PMSM drive with Fuel Cell Energy C”, in International Conference on Electrical Electronics, Computer Science and Information Technology (ICECSIT), organized by Advanced Reserach Society for Science and Sociology & Institute of Research and Journals on July 2019.

FACULTY DEVELOPMENT PROGRAMME/ SEMINARS/ WORKSHOPS ATTENDED BY FACULTY MEMBERS

- Mrs.Sandhya Rai, Mrs.Nisha.C.Rani & Mrs.B.Devi Vighneshwari have attended online 5 days AICTE - NPTEL Faculty Development Programme on Body Language: Key to Professional Success during the period of August 2019.
- Mr.Jayakumar.N, Mrs.Nisha.C.Rani & Mrs.B.Devi Vighneshwari have attended online one Week FDP Programme conducted by AICTE - NPTEL on Accreditation & Outcome Based Learning during the period of September 2019.

NPTEL COURSES DONE BY FACULTIES:

The following faculties have successfully completed the NPTEL course for June - Dec 2019:

Sl.No.	Name of the Faculties	NPTEL Course	No. of Weeks
1	Mr.Jaykumar.N	Electrical Machines	12 Weeks
		Accreditation & Outcome Based Learning	8 Weeks
2	Mrs.Sandhya Rai	Electrical Machines - I	12 Weeks
		Electrical Machines	12 Weeks
3	Mrs.Nisha C Rani	Body Language: Key to Professional Success	4 Weeks
		Accreditation & Outcome Based Learning	8 Weeks
4	Mrs.B.Devi Vighneshwari	Body Language: Key to Professional Success	4 Weeks
		Accreditation & Outcome Based Learning	8 Weeks
5	Mrs.Resna S R	Body Language: Key to Professional Success	4 Weeks
		Electrical Machines	12 Weeks

STAFF ACHIEVEMENTS

Sl. No.	SEM	SUBJECT	SUB CODE	FACULTY	RESULT
1	VIII-A	PSOC	15EE81	Dr. Bharath V S	100%
2	VIII-B	PSOC	15EE81	Devi B Vighneshwari	100%
3	VIII-A&B	Industrial Drives	15EE82	Viji K	100%
4	VIII-A	Smart Grid	15EE831	N Jayakumar	100%
5	VIII-B	Smart Grid	15EE831	Madhuri C	100%
6	VI-B	Control Systems	15EE61	Manjula C	100%
7	VI-B	PSA-I	15EE62	Someswari T	100%
8	VI-B	Sensors And Transducers	15EE662	Anoop H K	100%
9	IV-A	Power Generation And Economics	15EE42	NISHA C RANI	100%
10	IV-A	Electric Motors	15EE44	RESNA S R	100%

STUDENT ACHIEVEMENTS

ACADEMIC

- Ms.Ivana Merlin B of V th Semester EEE successfully completed the course on “SMART GRID”, NPTEL online certification programme Aug - Dec 2019
- Ms.Ivana Merlin B of Vth Semester EEE got the First Place in Essay Writing conducted on 07/11/19 for Vigilance Awareness Week by Bank of Baroda

- Ms.Ivana Merlin B of Vth Semester EEE have done an Internship on Biodigester Environmental Monitoring during July 2019.
- Mr.Abhishek V of V th semester EEE have done an Internship on “Industrial Automation Using PLC & SCADA” from Live Wire during July 2019. Mr.Abhishek V of V th semester EEE have participated in one day hands on Python Workshop organized by Take it easy engineers in association with Tech fortune technologies on 11th August 2019.
- Ms.Rashmi K S of VII semester EEE dept has successfully completed the course on the “Fundamental of Digital Marketing” on 28/07/2019.
- Ms.Rashmi K S of VII semester EEE has attended 3 days Workshop on the “Electrical Designing” on Sep 2019.
- Mr.Dheeraj.R & Ms.Kusuma S of VII semester EEE has successfully completed “VLSI Design using Verilog HDL” - workshop on 26th August 2019 conducted by MAVEN SILICON pvt ltd.
- Ms.Kusuma S of VII semester EEE has successfully completed “Quantum DOT / Opti Fdtd Software” - workshop on 4th and 5th October 2019 conducted by IEEE - TOCE student Branch in association with IEEE photonics society and EMB society student chapter.

SPORTS

- Mr.Amith Kumar of VII sem & Mr.Amith, Mr.Suharsha of III sem EEE participated in Dr.Mumtaz Ahmed Khan Inter collegiat Cricket Tournament on 12th October 2019 in Ghousia College of Engineering.

- Mr.Arunkumar S of VII semester EEE has got II Place in Kho - Kho Men conducted by Oxford College of Engg

PLACEMENT ACTIVITIES: LIST OF STUDENTS PLACED

Sl. No.	USN No	Student Name	Company Name
1	1OX16EE017	Harsha	INFOSYS

BE TOPPERS LIST:

Sl. No.	Sem	USN	Name	% of Marks
1	VII	1OX15EE030	Hemanth R	86.71
2		1OX15EE078	Saud Ahmed Khan	86.00
3	VI	1OX16EE023	Kusuma S C	87.50
4		1OX16EE029	Nikitha M	86.25
5	IV	1OX17EE003	Abhishek V	87.00
6		1OX17EE055	Sagar D	85.75
7	II	1OX18EE014	Dildar Bashir Kumar	86.63
8		1OX18EE006	Anurag Tiwari	83.38

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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 capacity for organization with special emphasis on their self-reliance and sustainability to meet ever changing requirements of local and global industries.

DEPARTMENTAL ACTIVITES

- Inaugural function of “IEEE EMB AND PHOTONIC JOINT SOCIETIES STUDENT BRANCH CHAPTER” in The Oxford College of Engineering was held on 16th October 2019 in the presence of Dr.T.Srinivas, Professor, ECE IISc, chair, IEEE Photonics society, Bangalore Chapter. Organized by the Department of Electronics and Communication Engineering and Biotechnology.



Inaugural Function Of IEEE Emb And Photonic Joint Societies Student Branch Chapter

EXPERT LECTURES

- An Expert Lecture on “Elegant Machine Learning –An Interdisciplinary Approach” was conducted for the students on 25th of September 2019 by Dr. Snehanshu Saha, Astro Informatics and Modelling Lab (CAMS) & Division of Computing, PES University, Bangalore.



Dr. Snehanshu Saha along with our Principal and Faculties

FACULTY ACHIEVEMENT

- Dr. Manju Devi was appointed as Ph.D comprehensive viva- voce external examiner for VTU candidates.
- Dr. Manju Devi was appointed as Doctorial Research Committee Member(DRC) at KSIT Bangalore, MCE Hassan.
- Dr. Preeta Sharan was invited as a guest for the inaugural function of IEEE Photonics Chapter at SIT college, Tumkur on 25th of October 2019 and she gave a talk on “Photonics biosensors”.
- Dr. Preeta Sharan filed the patent “Photonic Crystal based Piston Type Micro Pressure Sensor” and it got approved on 9/11/18 and got published on 5/7/19, Application no. 201741047023, E-101/29979/2017-CHE.

- Dr. Preeta Sharan filed the patent “A Method, System and Apparatus for detection of skin cancer” and it got approved and got published on 1/11/19, Application no. 201841016408, Journal issue: 45/2019, E-101/9961/2018-CHE.

WORKSHOPS AND CONFERENCES ATTENDED BY FACULTY

- Prof. Jayaraj N has participated in one-day National Seminar on “Quality Enhancement & Sustenance In Higher Education” on 5th July 2019 held at The Oxford College of Engineering.

JOURNAL PUBLICATIONS

- Dr. Manju Devi published a paper titled, “Highly sensitive lab-on-chip with deep learning AI for detection of bacteria in water” in International Journal of Information Technology, ISSN 2511-2104, Int.j.inf.Tecnol, DOI 10.1007/s41870-019-00363-1, Springer.
- Dr. Manju Devi published a paper titled “Evolution of Wireless Communication along with Encoders in ‘International Journal of Innovative Technology and Exploring Engineering (IJITEE)’, ISSN: 2278–3075 (Online), Volume-9 Issue-1, November 2019, Page No. 2589-2593, Scopus.
- Dr. Manju Devi published a paper titled, “Design and Implementation of Secure Cryptographic Algorithm Using Vedic Mathematics”, pices, vol. 3, no. 2, pp. 30-32, Jul. 2019.
- Dr. Preeta Sharan, published a paper titled “An Innovative Low Power Reversible ALU for Quantum Processor using QCA” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12, October 2019.
- Dr. Preeta Sharan, published a paper titled “Design of ultra-high sensitive biosensor to detect E. Coli in water” in International Journal of Information Technology in 2019, 1-6, Springer, Singapore.
- Dr. Preeta Sharan, published a paper titled “Interpretation of Photonic Crystals with Hexagonal Symmetry” on Jul 3, 2019 in International Conference on Innovative Mobile and Internet Services in Ubiquitous Computing, (902-912) Springer, Cham.

RESEARCH ACTIVITIES

- We are happy to congratulate Research Scholar Dr. Viji K for successfully completing her Ph.D Viva-Voce Guided by Dr. Anil Kumar, Professor, Department of Electronics and Communication Engineering, The Oxford College of Engineering and Co-Guided by Dr. Nagaraj R, Vice Chancellor, Kalasalingam Academy of Research and Education, Srivilliputhur, Virudhunagar District, Tamilnadu in the presence of Dr. Sumitha Mishra, Professor, Amity University.



PhD Viva Voce Dr. Viji K

- Mr. Bharathesh Patel completed his Doctoral Committee Viva-Voce Guided by Dr. Manju Devi, Head, Department of ECE, TOCE in the presence of Dr. Rangraju H G, Associate Professor and Head,

Department of ECE, SKSJIT, Bangalore and Dr. Yasha Jyothi M Shirur, Head, Department of ECE, BNMIT, Bangalore.

- Mr. Afzal Nehal Shaikh completed his Doctoral Committee Viva-Voce Guided by Dr. Manju Devi, Head, Department of ECE, TOCE in the presence of Dr. G. Indumathi, Professor and Head, Department of ECE, Cambridge Institute of Technology, Bangalore and Dr. Preeta Sharan, Professor, Dept. of ECE, TOCE.
- Ms. Sowmya Padukone G completed her Comprehensive Viva-Voce under the guidance of Dr. Uma Devi H, Professor, Dr. Ambedkar Institute of Technology, Bangalore in the presence of Dr. Ravish D. K, Associate Professor, Dr. Ambedkar Institute of Technology, Bangalore and Dr. Kalpana R, Associate Professor, BMSCE, Bangalore.

PLACEMENT (JULY 2019- DEC 2019)

Sl.No.	USN	Name	Company Name
1	10X16EC027	Kanhaiya Kumar Makharia	Byjus
2	10X16EC046	Noor Fathima	Byjus
3	10X16EC077	Umme Haani	Byjus
4	10X16EC079	Vasudeva Sharma M	Covance India Pharmaceutical Services Private Limited
5	10X16EC007	Akhilesh Patil	Covance India Pharmaceutical Services Private Limited
6	10X16EC052	Rachana R	Fame Technologies
7	10X16EC030	Kimberly Dsouza	Infosys
8	10X16EC067	Siva Sankari H	Infosys
9	10X16EC057	Pranitha S	Infosys
10	10X16EC016	Gopinath R	Infosys
11	10X16EC064	Shabarish V	TCS
12	10X16EC030	Kimberly Dsouza	TCS
13	10X16EC067	Siva Sankari H	TCS
14	10X16EC060	Sandeep B Shiramagond	Palle Technologies
15	10X16EC086	Chethan R N	Palle Technologies
16	10X16EC030	Kimberly Dsouza	IBM
17	10X16EC079	Vasudeva Sharma M	Cognizant Technologies
18	10X16EC035	M S Rashmi	Cognizant Technologies
19	10X16EC077	Umme Haani	6 D Technologies

STUDENT TOPPERS LIST

Sem	USN	Name	Aggregate
II	10X18EC055	Ranjitha R	85.5
	10X18EC013	Archana A	84.75
IV	10X17EC037	Nisarga B	83
	10X17EC046	Rashmi S	82
VI	10X16EC053	Radha M	83.75
	10X16EC079	Vasudeva Sharma M	79.88

VIII	10X15EC032	Gopi R	89.9
	10X15EC080	S Spoorthi	89.9

INDUSTRIAL VISIT

- Industrial visit was organized for the final year (7th Semester) students to DELL EMC, Bangalore on 6th September, 2019 accompanied by Prof. Bhargav Rama Gowd and Prof. Laya Tojo, Dept. of ECE.



Industrial visit of final year ECE students to DELL EMC

WORKSHOPS ORGANISED

- "Technical Training for C, C++ and Data Structures" was conducted on 04-11-2019 to 08-11-2019 and 11-11-2019 by IIHT as a part of pre-placement activities for final year students by efficient professionals and trainers. Ms. Sadiya Sultana and MS Keerthi, IT Trainers, Aptech, were well versed in their field and could take up all the doubts that

were put forth by students. They showed their extreme knowledge in the programming languages which were helpful for the students.



Technical Training Classes by Ms. Sadiya Sultana

- One day Hands on Workshop on the topic "Quantum Dot and Optical Simulator Pre-Inaugural Session for Photonic Society" was organized for our students on 4th October 2019. The technical was given by Dr. Preeta Sharan, Professor, Dept. of ECE, TOCE, Student Activity Chair (SAC), IEEE Photonics, Bangalore Chapter.

STUDENTS ACHIEVEMENTS

- Malathi N, Meghana K S and Rakesh R of VII sem and S Karthik of V Sem have presented the project "Bionic Hand" in Project Presentation Contest at Kagada 2019 on October 2019 conducted by IEEE UVCE.
- Mahantesh M Baridabad of VII sem has participated in Athletic Meet organized by Guru Nanak Dev Engineering College, Bidar from 22nd - 25th October 2019.
- Mahantesh M Baridabad and Ajay S of VII sem have participated in state level inter-college Hockey Tournament organized by St. Johns Medical College, Bangalore, from 25th - 27th September 2019.
- Brinditha Ravi, Achsa Mary Ben and Feba Mary Varghese of III sem have participated in the VTU Bangalore Zone Inter Collegiate Badminton (M & W) held at SEACET Bangalore from 24th & 25th August 2019.
- Brinditha Ravi, of III sem has participated in the VTU Bangalore Zone Inter Collegiate Throw ball Tournament held at BMS College of Engineering, Bangalore on 1st October 2019.

DEPARTMENT OF MECHANICAL ENGINEERING

VISION

To become the centre of excellence to provide the state of the art engineering education in mechanical engineering and making individuals 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

DEPARTMENTAL NEWS

- Madhu Sudana Reddy G has been completed PhD Viva Voce successfully on 27th June 2019.
- Dr Madhu Sudhana Reddy G was taken in charge as Head of the Department.

DEPARTMENTAL ACTIVITIES

GUEST LECTURES:

- Guest lecture on "New Product Development in the world of industrialization" was conducted on 16/11/2019 in the Department of Mechanical Engineering by Mr. Srinath Dronamraju (Associate product manager, Herman Miller, Bangalore).
- Guest lecture on "Most In-Demand Engineering Jobs in future" was conducted on 25/11/2019 by Mr. M P Rajesh Ponnappa (Faculty at IAS Academy and Namma KPSC Bangalore).



Guest lecture by Mr.Srinath Dronamraju



Kagada paper presentation by Prajwal P Patil at UVCE, Bangalore



Guest Lecture by Mr. M P Rajesh Ponnappa

JOURNAL/PATENT PUBLICATIONS

- Mr Ravipraksh M has published paper on title “Dry Sliding Wear Behaviour of B4C Particulates Reinforced Al7020 Alloy Composites” International Journal of Applied Engineering Research,ISSN 0973-4562 Volume 14, Number 2 (2019) pp. 435-439.
- Mr Ravipraksh M has published paper on title “Influence of Nickel Coated B4C particulates Addition on the Mechanical Characterization of Al7020 Alloy Composites” International Journal of Computational Engineering Research (IJCER), 2019, 2250 – 3005, Volume, 09.
- Mr. Anup M Upadhyaya published paper on title “Analysis on Mechanical Characteristics of Hybrid Composite with Silicon Carbide Filler, International Journal of Scientific Research and Development, ISSN:2321-0613, October 2019, 74-76.
- Mr. Anup M Upadhyaya published Indian Patent on “Photonic crystal based piston type micro pressure sensor”Application No.201741047023, 2019

FACULTY ACHIEVEMENTS

- Mr. Anup M Upadhyaya delivered talk on “Optical MEMS – Tools “in Malnad College of Engineering, Hassan on 5/10/2019.
- Mr. Anup M Upadhyaya selected as IEEE Photonic Society Internship Coordinator for Bangalore Section.

STUDENTS ACHIEVEMENTS

- Prajwal P Patil, Thammaiah N S presented paper on “Nonlinear response of optical MEMS for health monitoring of railway track” in KAGADA, UVCE, Bangalore under the mentorship of Mr. Anup M Upadhyaya during 21 October 2019.
- Prajwal P Patil, Thammaiah N S presented live paper on “Maximum Stress Identification of Aircraft Wing using Linear Static Analysis” International Conference on Airworthiness and safety of Aircraft and its systems, 28-29 August 2019, Amity University, Lucknow.
- Prajwal P Patil, Tammaiah N S, shortlisted on the project “Crop based Mobile Controlled Automatic Irrigation System” for AICTE Chhatra Vishwakarma Awards -2019 under the mentorship of Mr. Anup M Upadhyaya.

STUDENT WELFARE/TRAINING PROGRAMS

Technical training on Creo Parametric and Python was conducted on 4-11-2019 to 11-11-2019. N.Sathish Sendhil from Infodoc trained students on creo parametric tool and Nikitha Jain from IIHT trained students on Python tool.



Training on Python tool



Training on Creo Parametric software

STUDENT PLACEMENT

Sl.No.	USN	Name	Company Name
1	10X16ME096	Vishal A Banakar	Infosys, Bangalore
2	10X16ME072	Riyazh	NCN Technologies, Whitefield

STUDENT TOPPERS

Sem	USN	Name	Aggregate
I	10X18ME025	Manoj Kumar N	85.5
II	10X17ME038	Pavan M	84.75
III	10X16ME023	Gaurav Rati	83
IV	10X15ME079	Santosh Hosamani	82

DEPARTMENT OF AUTOMOBILE ENGINEERING

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 Automobile Engineering.

MISSION

- **M1:** The Department will serve its students, industry and society by fulfilling the mission of learning, and engagement through the creation, dissemination and application of engineering methods
- **M2:** Encourage students to continuously challenge the existing methods in Automobile Engineering with an intention to align the students towards research.
- **M3:** Impart knowledge on practical aspects and professional standards relevant to the practice of Automobile Engineering in the many aspects of modern life where it plays a vital role.

PROGRAM EDUCATIONAL OBJECTIVES

- **PEO1:** Graduates shall display technical knowledge in basic Mechanical and Automobile Engineering subject areas enabling them to find career opportunities in relevant government agencies, reputed private firms.
- **PEO2:** Graduates shall gain practical knowledge in the working of Automobile Systems, capable of working on indigenous projects, ventures related to automotive discipline.
- **PEO3:** Graduates shall be well versed with the academic learning material of the course syllabus and ready to take up further learning through higher education and scientific research.
- **PEO4:** Graduates shall be well equipped with the requirements of the current industries to obtain job opportunities in Mechanical and Automotive sectors in the design, Manufacturing, Analysis domains.

PROGRAM SPECIFIC OUTCOMES (PSOs):

- **PSO1:** Graduate will demonstrate the knowledge to design, develop, implement and use same into various domains to identify cause and hence provide solutions in the automotive field.
- **PSO2:** Graduate to work in interdisciplinary environment to design systems with the future emission norms and safety standards in automobile sector.
- **PSO3:** Graduate will be able to pursue lifelong learning and professional development to face the challenging and emerging needs of our society.

EVENTS CONDUCTED:

WORKSHOPS / WORKSHOPS / INDUSTRY VISITS / CONFERENCES

- The department has conducted Guest Lecture and Technical Talk.
- The 6th issue of department newsletter titled "AutoTrack" was published in April 2019.

Sl. No.	Topic	Program	Date	Resource Person
1	"Artificial Intelligence & Autonomous Cars"	Technical talk	13-11-2019	Mr. Anoop Srinivasan

2	"Gyroscope" and "Design of CAM"	Technical talk	16-11-2019	Mr. Hero Hemaraj N R
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Technical Talk on "Artificial Intelligence & Autonomous Cars"



Guest Lecture on Gyroscope & Design of CAM

FACULTY ACHIVEMENTS

- Mr. Maruthi S B has completed Ph.D course work Under VTU.
- Mr. Prasanna SM has completed Ph.D course work Under VTU.
- Mr. Raviteja R N registered for. Ph.D in Manufacturing Engineering.
- The following faculties achieved 100% pass in their respective subjects.

SL. NO	SEM	SUBJECT	SUB CODE	FACULTY	RESULT
1	VIII	TOTAL QUALITY MANAGEMENT	15AU831	Sandeep K Chavan	100%
2	VI	AUTOMATIVE CHASIS AND SUSPENSION	15AU61	Raviteja R N	100%
3	VI	COMPOSITE MATERIAL	15AU653	Dr. Raju B R	100%
4	VI	NON-DESTRUCTIVE TESTING	15AU663	Deepak U S	100%

PLACEMENT ACTIVITIES:

LIST OF STUDENTS PLACED

Sl. No.	USN No.	Student's Name	Company
1	1OX16AU015	Mandanna K B	BYJUS

Toppers List

UG Course

Sl.No.	Sem	USN	Name of the Student	Grade Points
CBCS SCHEME				
1	VIII	1OX15AU045	Siddhartha Banerje	89.00%
2		1OX15AU017	Harisree Vaishnav	89.00%
3	VI	1OX16AU034	Subramanya G.S	81.00%
4		1OX17AU404	Rajath V Kashyap	77.00%

CBCS SCHEME				
5	IV	1OX17AU034	Shashank Naik	82.88%
6		1OX17AU022	Parth Satpute	82.00%
7	II	1OX18AU020	Sagar S	66.75%
8		1OX18AU023	Sushmith T	66.25%

PG Course

Sl. No	Sem	USN	Student	Percentage
1	II	1OX18MAU04	Varun R Reddy	92%
2	IV	1OX18MAU03	Praveen Kumar D	86%

DEPARTMENT OF MECHATRONICS ENGINEERING

VISION

To develop the Mechatronics Engineering Department as a leading educational and research department with innovation in the design and development of electro-mechanical systems, intelligent machines and products.

MISSION

- **M1:** To provide an outstanding education in Mechatronics Engineering with a rich diversity of skills.
- **M2:** To contribute to the community prosperity through professional services and research.
- **M3:** To prepare graduates with ability to engage in life-long learning and capable of carrying out engineering practice with competence.

FACULTY ACHIEVEMENT

Assistant professor, Mr.Chethan S has secured 100% results in Process Instrumentation (15MT562).

FACULTY DEVELOPMENT PROGRAM ATTENDED

- Assistant professor, Mr.Chethan S and Mr. Thirumurugan N attended five days faculty development program on Robotics and AI, held at Dayanand Sagar University from 24th to 28th June -2019.
- Assistant professor Sindu Sidnal attended five days faculty development program on applications of Labview, Robotics and PLC in Industrial Automation held at Acharya Institute of Technology from 23rd - 27th July 2019

STUDENTS ACHIEVEMENTS

- Students of second year Skanda Narayan J, Prashanth C, Shreyas S, Anirudh R, Chethan, Dhanush, Shashi Kumar participated in

Makethon 2019 conducted at Atria Institute of Technology, Bangalore and secured second prize.



- Students of second year Skanda Narayan J, Prashanth C, Shreyas S, Anirudh R, Chethan, Dhanush, Shashi Kumar participated Technovation conducted at CMRIT.



- Hanushitha K and Amoolya G, participated in essay writing competition conducted by Vijaya Bank and Hanushitha K secured second prize.
- Brundha J, participated in the VTU Bengaluru zone chess Tournament 2019-20 from 16th and 17th August 2019 at Jyothi Institute of Technology, Bangalore.

PLACEMENT ACTIVITIES

Sl. No.	USN	Student's Name	Company
1	10X16MT023	Meghana V	INFOSYS
2	10X16MT035	Sandeep S	COGNIZANT
3	10X15MT036	Rahul J Ramalingam	BYJUS

STUDENTS TOPPER LIST

Sl. No.	USN	Student's Name	Sem
1	10X15MT005	Arnold Sachith A Hans	VIII
2	10X16MT023	Meghana V	VI
3	10X17MT042	Vijayalakshmi S	IV
4	10X18MT025	Sahana S R	II

VTU TOPPERS LIST

Sl. No.	USN	Student's Name	Year
1	10X15MT005	Arnold Sachith A Hans	Final
2	10X15MT023	Mohith Bansal	Final
3	10X15MT027	Nitin	Final
4	10X16MT004	Amoolya G	Third
5	10X16MT012	Hanushitha K	Third
6	10X17MT035	Shreya Biradar G	Second
7	10X18MT025	Sahana S R	First

INDUSTRIAL VISIT, TECHNICAL TALK AND GUEST LECTURE ORGANISED

- The Students of Final Year Visited IMTMA, BIEC, Bangalore on 23/10/2019 and learnt on the design of Industrial Automation Process Control and Industrial Robotics along with two faculties.
- The Students of third Year Visited FESTO, Bangalore on 07/11/2019 and learnt on the design of hydraulics and pneumatics circuits.
- A guest lecture on "outcome based engineering education in advanced manufacturing & emerging technologies" by Mr.Sudhir Sanna on 1st October 2019.
- A Technical talk on "LAB VIEW AND ITS APPLICATIONS IN CORE INDUSTRY" by Mr. V Sunilkumar on 26th September 2019.



Group Picture of Students and Faculty at IMTMA



Group Picture of Students and Faculty at FESTO



Guest lecture by Mr. Sudhir Sanna



Guest lecture by Mr. V Sunilkumar

DEPARTMENT OF BIO-TECHNOLOGY

MILESTONE ACHIEVED

We are proud to announce that the Department of Biotechnology has been accredited by National Board of Accreditation (NBA) for a period of 3 years from the academic year 2019-2020 to 2021-2022. An expert team from NBA conducted an on-site evaluation of the programme during 3rd – 5th of May, 2019.

VISION

Aspiring to be recognized as a premier source of outstanding graduates, who in turn will help their enterprise attain and sustain industrial and societal competitiveness.

MISSION

- **M1:** To embrace and disseminate fundamental and applied knowledge of Biotechnology Engineering to attain academic excellence and industrial competency
- **M2:** To empower the students for enhanced performance through continuous learning and research capabilities in multidisciplinary domains
- **M3:** To create awareness about professional conduct and socio-ethical implications of potentials of biotechnology
- **M4:** To equip the students to **interchelate** biotechnological solutions for present day challenges

GUEST LECTURES

The Department has organized various guest lectures for the benefit of its staff and students. They are as follows.

- An expert lecture on “SAS Programming” was delivered by Dr. Manjunath Reddy from R.V. College of Engineering, Bangalore on 29th September, 2019.
- An expert lecture on “Role of Molecular Modeling in Drug Designing” was delivered by Dr. Girinath G Pillai from Zastra Innovations, Bangalore, organized by the Department on 19th September, 2019.
- An expert lecture on “Career Opportunities in Biotech Industry” was delivered by Dr. Ramgopal Rao. S from Biocon Limited, Bengaluru, organized by the Department on 08th August, 2019.



Expert lecture on “SAS Programming” by Dr. Manjunath Reddy, RV College of Engineering



Expert lecture on “Role of Molecular Modeling in Drug Designing” by Dr. Girinath G Pillai, Zastra Innovations



Expert lecture on “Career Opportunities in Biotech Industry” by Dr. Ramgopal Rao. S, Biocon Limited

FACULTY ACHIEVEMENTS

- Dr. B. K. Manjunatha, HOD & Dean Research, has obtained a project grant of Rs 40 lakhs from DBT-BIRAC for the project entitled “Efficient bioremediation tool for hydrocarbon contamination management. Scale up and pilot scale study”.
- Dr. B.K. Manjunatha, HOD & Dean Research, has developed and patented a bioremediation kit called Petrozap for oil spill treatment funded by Naval Research Board, New Delhi (Patent APP No. 201741042005, CBR no. 36125,)Date of Domestic patent filing – 23.11.2017.
- Mrs. Valarmathy. K, Assistant Professor, the Department of Biotechnology was awarded Doctor of Philosophy (PhD) in the field of Biotechnology from Bharathidasan University on October 2019.



Mrs. Valarmathy K receiving PhD from Bharathidasan University on October 2019

FACULTY LIST FOR 100% RESULT (2018-2019 EVEN SEMESTER)

Every year our faculties are felicitated for providing cent percent results in their respective subjects. The result is as follows.

Sl. No.	Faculty	Subjects With Code
1	Dr. B.K. Manjunatha / Dr. Gangadhar Gouripur	Biobusiness & Entrepreneurship (15BT61)
2	Dr. Valarmathy. K	Bioprocess Control & Automation (15BT62)
3	Dr. Gangadhar Gouripur	Regulatory affairs in BT (15BT82)
4	Mr. Divakara. R	Enzyme Technology (15BT63)
5	Ms. Salma Kausar	Cell Culture Techniques (15BT653)

6	Ms. Aswathi Unnikrishnan	Biostatistics (17BT41), Bioprocess Equipment Design & CAED (15BT64), Clinical and Pharmaceutical Biotechnology (15BT81)
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CONFERENCE/WORKSHOP ATTENDED BY FACULTY

- Dr. Gangadhar Gouripur attended One- Day National Seminar on “Quality Enhancement & Sustenance in Higher Education” on 5th July, 2019 held at The Oxford College of Science, Bangalore.
- Dr. B.K. Manjunatha attended Conference on “Anti- Inflammatory Activity of Myrica” conducted by the Department of Biotechnology at Acharya Institute of Technology on 23rd and 24th August, 2019.
- Ms. Salma Kausar attended two day National Conference on “Present Trends in Biotechnology Strategies for Health & Environment”, organized by the Department of Biotechnology, Adhiyamaan College of Engineering on 25th & 26th September, 2019.
- Dr. B.K. Manjunatha and Dr. Valarmathy. K attended National Seminar “Bioprospecting of Biodiversity for Agriculture and Medicine: Current Status and Future Prospectives” BBAM-19 organized by the Department of Botany, Bharathiar University, Coimbatore on 3rd and 4th October, 2019 and presented a working model on “Design of Continuous Stirred Tank Reactor for Ethanol Production.”
- Dr. B.K. Manjunatha and Dr. Valarmathy K attended National Symposium “CHEMEXEL 2019” at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019 and presented a paper on “Analysis of Bioplastic Production from Lignocellulosic Wastes”.
- Dr. B.K. Manjunatha, Dr. Valarmathy K and Divakara R attended International Workshop on Biology and Applications of Actinomycetes held at University of Mysore, Mysore during 31st October – 1st November, 2019.
- Dr. B.K. Manjunatha attended “Global Bio-India 2019- Power to Transform Lives” Biosciences to Bioeconomy-USD 100Bn By 2025, Led by Department of Biotechnology, Govt. of India during 21st- 23 November, 2019 at Aerocity, New Delhi.



Dr. Manjunath at Global Bio-India 2019, New Delhi



Ms. Salma Kausar & Students of 5th semester at Adhiyamaan College of Engineering, Hosur

CONFERENCE/WORKSHOP ATTENDED BY STUDENTS

Students are encouraged to attend conferences, symposium, workshops and training. By participating in these events they get an opportunity to

exchange their ideas, participate in debates and develop acquaintance with people from industries and other institutes. This helps them to build network and increase their awareness of new trends happening in their area of interest. The following students have actively participated in national and state level programs organized by various institutes:

- Devi Vara Prasad attended India- UK collaboration meet, conducted on 7th June, 2019 at National Institute of Advanced Sciences (NIAS), IISc, Bangalore.
- Arpita K of 5th semester delivered an Oral Presentation on “Anti-Inflammatory Activity of Myrica” conducted by the Department of Biotechnology at Acharya Institution on 23rd and 24th August, 2019.
- Preetham A, Sumalatha M and Mala N presented a poster on “Invitro Propagation of Leucas aspera” at Two Day National Conference on “Present Trends in Biotechnology Strategies for Health & Environment, organized by the Department of Biotechnology, Adhiyamaan College of Engineering on 25th & 26th September, 2019.
- Anoop M and Akshay S, Krishnadev and Dhanush P of 5th semester participated in Hands-on Training Programme on “Taxonomic Identification of Coastal and Oceanic Copepods (TICOC- 2019)” held during 3rd – 5th October 2019 at the Marine Planktonology & Aquaculture Laboratory, Barathidasan University, Tamil Nadu.
- Akshay V Nair, Preetham A, Rahul N, Prakash Nath of 5th semester has presented a paper on “Production of Cellulase Using Banana Pseudostem” in National Seminar “Bioprospecting of Biodiversity for Agriculture and Medicine: Current Status and Future Prospectives” BBAM-19 organized by the Department of Botany, Bharathiar University, Coimbatore on 3rd and 4th October, 2019.
- Prathyusha Pedapati, Preethi K.P, Soniya V, Abdul Basith Ali and Krithika S from 7th semester attended a conference on “Regulatory Compliance Requirements at Institute of Bioinformatics and Applied Biotechnology (IBABA) on 10th October, 2019.
- Sidharth B.R. and Akshat Jaiswal of 7th semester presented a poster in the 1st International Conference on Life, Chemical and Health Sciences (ICLCHS) from 24th -26th October, 2019, organized by Department of Life Sciences, Ramaiah College of Arts, Science & Commerce in collaboration with Karnataka Science and Technology Academy (KSTA), Department of IT, BT and Science & Technology, Government of Karnataka (GoK).
- Kunalika M Hemanth, Gamyashree K, Noor Tuba, Sushma Bhandarkar M, Komalesh S, Dhanush P Reddy, Purushotham and Atul Anand Gupta of 5th semester presented a model on “Multipurpose Bioreactor” at National Symposium “CHEMEXEL 2019” at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
- Azra Taskeen, S. Kushmitha Jadhav, Rahul N, Akshay V of 5th semester presented a paper on “Analysis of Bioplastic Production from Lignocellulosic Wastes” at National Symposium “CHEMEXEL 2019” at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
- Azra Taskeen, S. Kushmitha Jadhav, Rahul N, Akshay V of 5th semester presented a paper on “Design of Continuous Stirred Tank Reactor for Ethanol Production” at National Symposium “CHEMEXEL 2019” at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
- M. Purushotham Rao of 5th semester participated in Technical Quiz at National Level Students’ Symposium CHEMEXCEL-2K19 organized by the Department of Chemical Engineering, Bapuji Institute of Engineering and Technology, Davangere on 25th and 26th October, 2019.

- Noorayisha Khanam, Annapoorna Devi, Aswathy K.H. attended a workshop on “Data Structures” held on 26th October, 2019 at ABC Office, Vijayanagar.
- Flavia Catherine V V, Jesna Daniel, Nigi Paul C, Preetha R of 5th semester presented a poster on “Biogenic Synthesis of Functionalised Antibiotic Nanoparticles From Actinomycetes” at the International Workshop on Biology and Applications of Actinomycetes held at University of Mysore, Mysore during 31st October – 1st November, 2019.
- Arpita K, Gamyashree K and Atul Anand Gupta of 5th semester presented a poster on “Participation of Public in Promoting the Integrity and Eradicating Corruption” on the mark of observing Vigilance Awareness Week conducted on 7th November, 2019 by Bank of Baroda.
- Devi Vara Prasad attended the workshop “Patent in 1 year” organized by Banana IP Solutions, Yelachanahalli on 23rd November, 2019.
- Akshay V Nair, Mizba Farkana M, Purushotham Rao M and Purvika C attended 10 days integrated workshop on “Downstream Processing of Phytopharmaceuticals and Nutraceuticals- Research and Industrial Applications” organized by the Department of Biotechnology, Sir M Vishveshvaraya Institute of Technology (SMVIT) in association with Himalaya Drug Company, Bangalore from 7th September, 2019 to 14th December, 2019.



5th Semester Students attend National Seminar at Bharathiar University, Coimbatore



Devi Vara Prasad at NIAS, IISc, Bangalore



7th Semester Students at IBAB, Bangalore



Arpita K at Acharya Institute of Technology, Bangalore



5th Semester students at Poster Competition conducted by Bank of Baroda, TOCE



Ms. Salma Kausar & the students at Adhiyamaan College of Engineering, Hosur

STUDENTS' ACHIEVEMENTS

- Azra Taskeen, S. Kushmitha Jadhav, Rahul N, Akshay V of 5th semester secured 1st place for National Symposium “CHEMEXEL 2019” organized by Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
- M. Purushotham Rao of 5th semester secured 2nd place in Technical Quiz at National Level Students' Symposium CHEMEXCEL-2K19 organized by the Department of Chemical Engineering, Bapuji Institute of Engineering and Technology, Davangere on 25th and 26th October, 2019.

- Kunalika M Hemanth, Gamyashree K, Noor Tuba, Sushma Bhandarkar M, Komalesh S, Dhanush P Reddy, Purushotham and Atul Anand Gupta of 5th semester secured 2nd place for “Multipurpose Bioreactor” at National Symposium “CHEMEXEL 2019” at Bapuji Institute of Technology, Davangere on 25th and 26th October, 2019.
- Akshay V Nair, Preetham A, Rahul N, Prakash Nath of 5th semester secured 1st place in National Seminar “Bioprospecting of Biodiversity for Agriculture and Medicine: Current Status and Future Perspectives” BBAM-19 organized by the Department of Botany, Bharathiar

BIOX-FORUM EVENTS

The Department encourages students to make scientific models for better understanding of the subject. This semester, an exhibition of models based on “Health and Environmental Aspects of Microbiology” and “Design a Bioreactor for Environmental Applications” under the guidance and support of Ms. Salma Kausar and Dr. Valarmathy K were displayed by 3rd semester and 5th semester students on 4th and 18th October, 2019.



5th semester students presenting Bioreactor models and posters

3rd semester students exhibiting their models and posters

INDUSTRIAL VISITS

The Department has prepared the students to be experts in the industry right from the first day of the first academic semester. Industrial visit was organized on 11th October, 2019 for 7th semester students to Biozeen, Bangalore. Students obtained a practical exposure on Design, Automation and Scale up Process using Fermentors & Bioreactors accompanied by Dr. Valarmathy K.



Dr. Valarmathy K & 7th Semester students visit Biozeen as a part of industrial visit

ACADEMIC PERFORMANCE

The 2019-20 academic year started with good academic results and the result is as follows:

- Overall pass percentage of VIII semester – 100%
- Overall pass percentage of VI semester –100%
- Overall pass percentage of IV semester – 90%
- Overall pass percentage of II semester – 74%

Sl. No	Sem	USN	Student	Percentage
1	VIII	1OX15BT024	Neha H.L.	90
2		1OX15BT018	Kruthika. S	88
3	VI	1OX16BT024	Lavanya. P	84
4		1OX16BT029	Preethi. K.P.	83
5	IV	1OX17BT041	Sumalatha. M	90
6		1OX17BT004	Anusha. S	87

PLACEMENT

Aptitude Development and soft skills training sessions were conducted for final year UG students by trainers experienced in corporate orientation. Below is the list of students who secured internship programme with Covance Pharmaceutical Company.

Sl. No.	Faculty	Role selected for	Dept	Stipend
1	Devi Vara Prasad P	Intern- Clinical Data Management	CDCS- CDM	15000/-
2	Aswathi C	Intern- Clinical Data Management	CDCS- CDM	15000/-
3	Prathyusha Pedapati	Intern- Clinical Data Management	CDCS- CDM	15000/-
4	Lavanya P	Intern- Clinical Data Management	CDCS- CDM	15000/-
5	Noorayisha Khanam	Intern- Statistical Programming	CDCS- Statistical Programming	15000/-

DEPARTMENT OF CIVIL ENGINEERING

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

- **M1:** To emphasize on basics of engineering as well as their applications relevant to the industry.
- **M2:** To serve the society with due consideration of economy, ecology and ethical issues of nation.
- **M3:** To sensitize the students and faculty to take up research and consultancy to be on par with international standards.

PROGRAM EDUCATIONAL OBJECTIVES:

- **PEO1:** Apply fundamental concepts of Civil Engineering in developing economically viable and sustainable sound solutions
- **PEO2:** To work collaboratively on Multidisciplinary problems.
- **PEO3:** To achieve their professional aims keeping good ethics.

PROGRAM SPECIFIC OUTCOMES:

Graduates will be able to

- **PSO1:** apply technical skills and modern engineering tools for civil engineering day to day practice.
- **PSO2:** participate in critical thinking and problem solving of civil engineering field that requires analytical and design requirements.
- **PSO3:** pursue of lifelong learning and professional development to face the challenging and emerging needs of our society.

PROGRAM OUTCOMES:

Engineering Graduates will be able to:

- **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual,

and as a member or leader in diverse teams, and in multidisciplinary settings.

- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** To demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and also as a leader in a team, to manage projects in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broad context of technological change.

DEPARTMENTAL ACTIVITIES

- A technical training program was conducted for the final year students of B E Civil Engineering from 4th to 11th November 2019 in the department of Civil Engineering.
- Blood donation Camp was conducted in Department of Civil Engineering on 17th November 2019.
- Competition For Vigilance Awareness week – 2019 was conducted in Civil Engineering Department jointly in coordination with Vijaya Bank-Now Bank of Baroda, Oxford Dental College Branch, Bomanahalli, Bangalore.



Felicitation at blood donation event
Donors donating blood



Donors donating blood



Speaker speaking at technical training



Students attending technical training



Felicitation at vigilance awareness event



Participants preparing for event



Participants presenting their work to judges at vigilance awareness event

STUDENTS ACHIEVEMENT

- Brunda, 5th semester student participated in Walk Race Event Organized by VTU from October 21 to October 25 2019 and achieved 3rd place.

FACULTY ACHEIVEMENT:

CENT PERCENT RESULT OF FACULTY

Sl. No.	Faculty Name	Subject with Code
1	Dr.Malleshaiah T.S	Quantity Surveying And Contracts Management (15CV81)
2	Mr.Shivanand.C.G	Finite Element Method (18CSE22)
3	Mr.Prashanth Hathwar T.S	Design Of Masonry Structures (17CSE424), Earthquake resistant Design Of Structures (18CSE23)
4	Ms. Shradha.J	ADVANCED DESIGN OF STEEL STRUCTURES(18CSE11)
5	Ms. Kavya S K	Water supply and treatment Engineering (15CV64), Water Resource Management (15CV661)

TOPPER'S LIST: (JUNE/JULY 2019 /Even semester)

Sem	Name of the Student	Percentage
VIII	Sanath K R	89.43
	Kumaramuni M	87.143
VI	Nagashree	82.67
	Abhishek Nandakumar	79.25
IV	Preethi S	93
	Rangaswamy	87
II	Amjid Showkat	80
	Manjunatha D N	79

PLACEMENT ACTIVITY

- One student by the name of Gurudatt is placed in NCC Co. Ltd.
- A student by the name of Kirti Lambani is placed in UMIYA BUILDERS.
- Three students Of Civil Engineering Namely Vrinda R, Velroy Falero, and Akash L of Final Year were Placed in PINCLICK
- Student by the name of Yadhukrishnan of Civil Engineering is placed in INFOSYS.

DEPARTMENT OF ENGINEERING MATHEMATICS

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.

Ph.D. AWARDED

- Mrs. Hemalatha N C has completed Ph.D under the guidance of Dr. Mallikarjun K entitled by the thesis "A study on Roman dominaton in Graphs." at Visvesvaraya Technological University, Belagavi.



Ph.D. viva voce of Mrs. Hemalatha N.C

- Mr. Sreenivasa Reddy Perla has completed Ph.D under the guidance of Dr. Padhmanabha S entitled by the thesis "Pragmatic studies on mathematical inequalities." at Visvesvaraya Technological University, Belagavi.

RESEARCH ACTIVITIES

- Mr. Naveen Kumar K.S has completed course work for Ph.D under Dr. Mallikarjun K. in Visvesvaraya Technological University, Belagavi.
- Mrs. Smitha P has completed course work for Ph.D under Dr. Mallikarjun K. in Visvesvaraya Technological University, Belagavi



Ph.D. viva voce of Mr. Sreenivasa Reddy Perla

FDP ATTENDED

Mr. Chandran M attended FDP on Random Process, Statistical inference and Experimental Design from 29th July to 3rd August at Ramaiah institute of technology, Bangalore.

WORKSHOPS ATTENDED

- Mr.Chandran M, attended "International Workshop on Mathematical modeling and scientific computing(IWMMSC-2019) held on September 4th and 5th 2019.,GRI Tamilnadu.
- Mrs. Sandhya Rani G. attended Workshop on "Mathematics in Industry " on 22nd June 2019 at PES University, Bangalore.
- Mrs. Sandhya Rani G attended Workshop on Applied mathematics using MATLAB on 25-26 July 2019 at RNSIT, Bangalore.
- Mrs. Selastina Mary attended Workshop on "Mathematics in Industry "on 22nd June 2019 at PES University, Bangalore
- Mr. Naveen Kumar K.S attended Workshop on "Mathematics in Industry " on 22nd June 2019 at PES University, Bangalore

- Mrs. Selastina Mary has completed course work for Ph.D under Dr. Mallikarjun K. in Visvesvaraya Technological University, Belagavi
- Mrs. Moumita has completed course work for Ph.D under Dr. Mallikarjun K. in Visvesvaraya Technological University, Belagavi

DEPARTMENT OF PHYSICS

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.

FACULTY ACHIEVEMENTS/ACTIVITIES

- Prof.SuchitraS.M. completed Ph.D from NITK ,Suratkal.
- Prof.R.Leela Rahini completed comprehensive viva under VTU.

- Prof.Abdul kadar C.H. completed coursework exam under VTU.

CONFERENCES ATTENDED BY THE FACULTY

- Dr.Suchitra S.M. attended "National Conference On Emerging Trends,Innovations and Applications In Science and Technology-2019 organized by Nagarjuna Group of institutions in association with infidata technologies,on 1st October 2019, Bangalore.
- Dr.Suchitra S.M. attended "International Conference on Condensed Matter Physics", on 14th-16thNovember 2019,Kolkatta.

RESEARCH ACTIVITIES

- Paper publications by Dr. SuchitraS.M.are under review

STUDENTS ACHIEVEMENTS

- Dildar Bashir Kumar of EEE department, scored centum in Engineering Physics Lab .

DEPARTMENT OF CHEMISTRY

VISION

Our vision is to give our students an in-depth exposure to the latest developments in chemistry made by reputed scientists and experts in this field. To equip individuals capable of learning in the new millennium.

MISSION

Our mission is to provide a contemporary foundation for addressing problems in chemistry. Also to develop competent engineers with good values and to equip them to face the challenges of the continuously changing world.

RESEARCH ACTIVITIES:

A. PAPERS PUBLISHED

- Pre-Ph.D Comprehensive Viva-Voce of Mr Bhaskar M (10X16PGJ03) on Title "Kinetics and Mechanism of few redox reactions of synthesized fine chemicals using surfactant immobilized nano clay intercalated species and metal cation exchanged nano clays" was conducted under the guidance of Dr Surekha M, on 14.09.2019.
- Paper titled "Catalytic oxidation of Benzyl alcohol using Surfactant immobilized and metal cation exchanged impregnated montmorillonite nanoclays" was published in Chemistry Africa an international journal by Bhaskar M, Surekha M, N Suma
- Paper titled 'Influence of the new brightener on electrodeposition of zinc-nickel alloy in International conference on nanotechnology' was communicated on 15th October 2019. by Jyoti M. Ramojwar.
- Jyoti M. Ramojwar has submitted her PhD thesis titled "Effect of additives on grain refinement and corrosion behavior of nano-crystalline zinc coatings" under the guidance of Dr. Basavanna to Visvesvararya Technological University, Belgaum on 8th October 2019.
- Paper titled 'Synthesis, characterization, antimicrobial, antitubercular, antioxidant activities and docking simulations of derivatives of 2-(pyridine-3-yl)-1H-benzo [d] imidazole and 1,3,4-oxadiazole, Letters in Drug Design and Discovery, Vol. 16 (12), December 2019 by Shipra Bhati.

B. PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES

- Jyoti M. Ramojwar has presented paper in 'International conference on nanotechnology' held at Srinivas university, Mukka, Mangalore on 18th and 19th October 2019 and was awarded Best paper award. Paper titled "Influence of the new brightener on electrodeposition of zinc-nickel alloy in International conference on nanotechnology'

STUDENTS ACTIVITY

- Induction program for the BE & B-arch 1st year" for the academic (2019-2020) ,



1st Phase: 11 Days During The Beginning Of First Semester

- "One Student, One Tree" under the "Hon'ble Prime minister's idea of a green and healthy environment".



DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

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.

GUEST LECTURES (JULY-DEC 2018)

- Dept of MCA organized Guest Lecture on "IOS App Development" and the resource person Mr. Shibbu, Sr.Technical Commercial Manager,

Superior Digital Pvt.Ltd.Bangalore conducted on 17/10/2019,12:00 to 1:00 PM seminar hall, #601 New Building.



Mr.Shibbu delivering the speech of IOS

Students learning to develop an app

- Dept of MCA organized Guest lecture on "IOT" and the resource person Mr.Aishvaraya jaiswal, Sr.Technical Development Manager APP bits

India Solutions, Bangalore conducted 16th Saturday November 2019
6th floor seminar hall newbuilding.

4	J C Achutha	IOT
5	Mridula Shukla	PUID



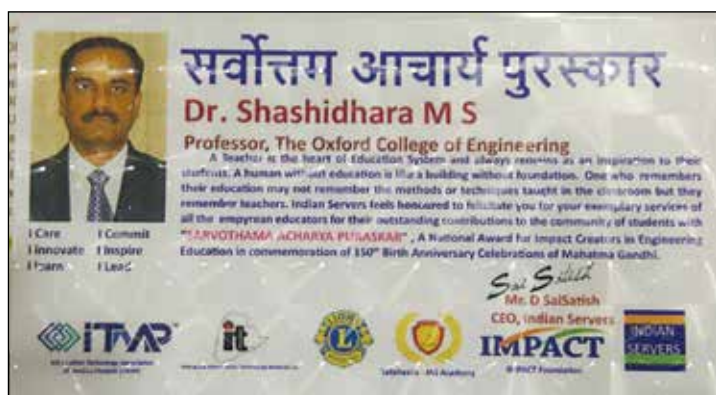
Mr. Aishvaraya Jaswal Addressing



Students getting awareness on IOT

FACULTY ACHIEVEMENTS

- Dr. M S Shashidhara has been appointed as BOS Coordinator for the VTU Syllabus 2019 & BOS for MSc Computer Science, National College Basavanagudi, Bangalore
- Mr. C Achutha has been appointed as BOE Coordinator for VTU 2019.
- Mr.Dharamvir has been appointed as BOE member for Jain University
- HOD MCA Dr.M S Shashidhara was awarded as the Best Faculty 2019 with "Sarvothama Achraya"



SARVOTHAMA ACHARYA PURASKAR Award 2019

FACULTY ACHIEVED CENT PERCENT RESULT

The following staff members achieved 100% result in their respective subjects VTU exams held

Sl.no	Faculty Name	Subject Name
1	Dr. M S Shashidhara	Programming using C++
2	J C Achutha	Programming using java
3	Ushasree R	Computer Networks

SEMINARS/WORKSHOPS/FDP ATTENDED

Sl. No.	Faculty	Date	Title Of The Event	Name Of The Organizer
1	Prof. Mridula Shukla	24th Sept 2019	Workshop on Rapid Mobile App Development with Android	HSR Layout
2	Prof. Dharamvir	18th - 22nd Nov 2019	One week FDP on Internet Of Things	UVCE and ATAL academy

RESEARCH PUBLICATIONS

- Mr.Dharamvir, Dr. M S Shashidhara "web based system specification for internet of things and its application published on oct-2019 in IJCRD journals vol-8, issue 10 ISSN-2321-225(O), ISSN-2321-2241(P).
- Mr.Dharamvir and Dr.Arun Kumar ASIC Implementation of Random perturbation algorithm for Neural Network Application

RESEARCH ACTIVITY

Congratulations to Mrs.Selvi E for completing her final PhD Viva Voce Exam conducted on September 6th 2019 in 6th floor seminar hall. Under the guidance of Dr. M S Shashidhara.



PhD comprehensive Viva



Mrs. Selvi Final viva

PLACEMENT ACTIVITIES

- Dept of MCA Conducted Specific Technical Training for 4days from 29/7/2019 to 1/8/2019 For the final students on the overview of technical skills personal skills and language in debth.



- Technical Training conducted by for the pre final year by the resource persons Of IIHT from 4/11/2019 to 9/11/2019 in the room no 617 and

Lab1 of Dept of MCA. IIHT training contents are C programming, Java, Frameworks-spring Boot, Hibernate and Maven, integration, Python with ML&AI



IIHT Resource person



Technical training to the students

INDUSTRIAL VISIT

Industrial Visit by MCA students to DELL EMC Co organized by TOCE supported by IEEE Bangalore section



DELL EMC, Bangalore



Student participation Industrial visit

STUDENTS ACHIEVEMENTS

1. TOPPERS LIST

Sl. no	Sem	USN	Name	Aggregate
1	IV	1OX18MCA55	Anup Thakur	82.4%
2		1OX18MCA91	Sowmya	81.6%
3	II	1OX18MCA01	Manojkumar	84.2%

2. STUDENT ATTENDED COMPETITION

Dept of MCA Final Year student Sowmya Participated in the event Vijaya Bank Vigilance awareness week competition of Essay Writing total 75 students has taken part. Among all sowmya stood as 2nd runner up. congratulations to Sowmya.



2nd runner up of Bank Of Baroda competition

3. BEST OUT GOING STUDENT

The best outgoing student and best all-rounder award given to Ms.Meghana. For the performance of studies, extra curricular activities, regularity, Punctuality, and participation in social and cultural events.



Director, Principal and Chief guest of Graduation Day



Meghana receiving Best Student award

DEPARTMENTAL ACTIVITIES

- Dept of MCA organized vijaya bank vigilance awareness week (Bank of Baroda): Bank Of Baroda Vigilance program: The vigilance competition emphatically aimed to promote integrity, transparency and accountability in public life. The competition was contested among 90 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. Tejinder Pal Singh, Deputy General Manager & Regional Office, Bangalore, South-Bank Of Baroda. Mr. Sukesh Hedge, National Kabaddi Player and employer of Bank of Baroda was the guest of Honor. Are the keynote speakers. Director Dr. Amarnath K Director TOCE Addressed the gathering. Dr. M S Shashidhara HOD MCA Convener of the programme. Mrs. Ramya Lakshmi Chander Branch Manager, Bank of Baroda Observance of Vigilance Awareness Week every year is part of a multi-pronged approach of the Commission where in one of the strategies is to endeavor that every citizen should be vigilant and commit to highest standards of honesty, transparency, integrity and accountability by supporting the fight against corruption with objective to motivate the citizens, as stakeholders in nation building, to collectively combat corruption at all level by participating in the prevention of and the fight against corruption to raise public awareness regarding the existence, causes and gravity of and the threat posed by corruption. This year the theme for the vigilance awareness week would be "Integrity-A way of life".



Branch Manager Addressing



Felicitation by Director Dr. Amarnath K



Welcoming the Dignitaries

VIGILANCE PROGRAM COMPETITIONS

Sl. no	Competition	No. of Participants	Department
1	Essay Writing	72	MCA
2	Poster Presentation	20	Civil

- Participants are awarded with the best 3 Prizes of each competition.
- The person formally confers degrees upon candidates, either individually or en masse, even though graduates may physically receive their diploma later at a smaller college or departmental ceremony. Ceremonies often include a procession of some of the academic staff and candidates and a valediction Graduation Day celebrated by final year students on 30th July.



Graduation Day 2019



Final year students and Staff

- Students express their gratitude and appreciation for their teachers on this day. This day is dedicated to Dr. Sarvepalli Radhakrishnan – second President of India. On this day, our teaching was started as usual on 09:00 a.m. All the students in role of teachers who had no lectures they had seated in staff room. Teacher's day celebrated on 5th September 2019.



- Inaugural of First Year MCA, MBA & M.Tech for the academic year 2019 organized by the Departments of MCA & MBA on 30th September, 6th floor seminar hall, TOCE, Bangalore.



- NAVOTA FIESTA: Newness or Novelty has been intriguing and fascinating to man since the Neanderthal times. Novelty for us is excitement surprise and science cheerfulness and Joy, hope and happiness boldness and buoyancy, positiveness and passion. Fresher's day celebrated on 18th November 6th floor seminar hall new building, TOCE, Bangalore.



- The Oxford College of Engineering organized Live telecast session of our Honourable Prime Minister



Students attending PM LIVE TELECAST

- THE OXFORD COLLEGE OF ENGINEERING department of MCA & MBA organized a Convocation DAY 2019 for the Out going students. published in the news paper.

ತಂತ್ರಜ್ಞಾನದ ಅಭಿವೃದ್ಧಿಗೆ ಗಮನ ಹರಿಸಿ

ಮೊದಲನೆಯ ಮೆಗಾ-ಪ್ರಾಜೆಕ್ಟ್ ಆಗಿರುವ 'ಮೆಗಾ-ಪ್ರಾಜೆಕ್ಟ್' ಅನ್ನು ಮುಂದುವರಿಸಲು ಸರ್ಕಾರದ ಅಧಿಕಾರಿಗಳು ಸಹಕರಿಸುತ್ತಿದ್ದಾರೆ. ಈ ಸಂದರ್ಭದಲ್ಲಿ, ಮೆಗಾ-ಪ್ರಾಜೆಕ್ಟ್ ಅನ್ನು ಮುಂದುವರಿಸಲು ಸರ್ಕಾರದ ಅಧಿಕಾರಿಗಳು ಸಹಕರಿಸುತ್ತಿದ್ದಾರೆ.

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DEPARTMENT OF MANAGEMENT STUDIES (MBA)

VISION

To impart value based management education to the students, to nurture and enhance their competencies and to prepare them to face the challenges of industry, society and country.

MISSION

To provide integrated knowledge and demonstrated ability to the students and to groom them towards building their careers well equipped professionals. To foster a passion for learning, creative thinking and leadership skills that help in developing entrepreneurial abilities among the students.

GUEST LECTURE

- A guest lecture on “Data analysis on retail management and retail analytics” was held on 26th August 2019. The guest lecture has been organized by the department of MBA to provide the students with an opportunity to get a head start in retail analytics, which is an emerging in field of business analytics.



- A guest lecture on “Consumer behavior across industries” was held on 26th September 2019. The interaction started with a small role play of “Selling bottled water by a marketer to a retailer”. The session also highlighted the importance of KASH – Knowledge, Attitude, and Skills & Habits. The consumer behavior across industries was discussed with examples covering the various industries like Pharmaceuticals, Medical, and Infrastructure etc. The students had lot of doubts and queries on the skills required for the jobs. A power point presentation was shared with students for 10 min to correlate the topics discussed during the interactions. Students wanted to have one more session to learn more.



MAJOR ACTIVITY

- A Business Quiz Event was held on 22nd November, 2019 for the first year MBA students. The rounds conducted were
 - Identifying CEOs
 - Tag Lines
 - Logos

- Advertisement
- Current Affairs

SEMINARS / WORKSHOP ATTENDED BY FACULTY MEMBERS

- Prof. P. Padmaja attended Faculty Development Programme on online on “HR Analytics” which is conducted by DONBOSCO COLLEGE, Bangalore on 26/08/2019 to 31/08/2019
- Prof. P. Padmaja participated one day workshop on “HR Analytics” conducted by VTU at BNMIT College, Banashankari, Bangalore on 18/10/2019.
- Prof. P. Padmaja attended two day workshop on “Strategies for High-Quality Research: Pathway to Publication” organized at NITTE School of Management, Bangalore on 08/11/2019 and 09/11/2019.

PLACEMENT DETAILS : 2018 -20

LIST OF STUDENTS PLACED FROM MBA DEPT - 2019

SI No	USN	Name	Company
1	10Y18MBA16	Jagdish Chandra R	PIN CLICK
2	10Y18MBA31	Mohammed Uzaif	PIN CLICK
3	10Y18MBA45	Shijo Joy	PIN CLICK
4	10Y18MBA53	Venkatesh G	PIN CLICK
5	10X18MBA03	Adarsh M R	PIN CLICK
6	10Y18MBA18	Karthik S T	PIN CLICK
7	10Y18MBA26	Karthik Mk	PIN CLICK
8	10Y18MBA44	Sharath T	PIN CLICK
9	10Y18MBA47	Shivaraj K	PIN CLICK
10	10Y18MBA52	Jaffer Hussain	PIN CLICK
11	10Y18MBA02	Abhishek D M	PIN CLICK

STUDENTS TOPPER LIST

II SEMESTER

SI No	USN	Student Name	Percentage
1	10X18MBA32	Nayana C	74.2%
2	10Y18MBA55	Vincy Paul	73.8%

IV SEMESTER

SI No	USN	Student Name	Percentage
1	10Y17MBA50	Uzma	76.5%
2	10Y17MBA39	Shilpa Yadav	76.13%

DEPARTMENT OF PHYSICAL EDUCATION

During the year 2019-2020 the physical education department organizing many sports programs. Students of our college were enthusiastically participated in various sports and games.

Sports committee for the year 2019-2020 has been constituted with following staff members.



Mahesh G - Director of Physical education and sports

SPORTS COMMITTEE 2019-2020

Sl.No.	Name	Dept
1	Mahesh G	Sports
2	Shruthi BT	Sports
3	Shoba T	CSE
4	Divakar	BT
5	Dr.M kathiravan	MBA
6	Deepa	EEE
7	Ashok	MCA
8	Abishek	CIVIL
9	Veeresh	ECE
10	Abijith	ME
11	Deepak	AUTO
12	Anupama	ARCH
13	Chethan	MT
14	Channapa Gowda	ISE

SELECTED TO REPRESENT INTER UNIVERSITY TOURNAMENTS



Akarsh T

Our student Akarsh of dept CIVIL has represented VTU in all India inter university kho-kho (Men) team at SRM University CHENNAI (TN) from 24th to 28th October 2019



Kowshik M N

Our student Kowshik M N of dept ME has represented VTU in all India inter university hockey (Men) team at Bangalore central University from 13th to 16th October 2019.



Ajay A

Our student Ajay A of dept AUTO has represented VTU single zone taekwondo competition (Men) held at GAT Bangalore from 21st to 22nd October 2019 secured 3rd place.



Sheetal Prakash

Our student Sheetal Prakash of dept BARCH has represented VTU single zone swimming competition (Women) held at RIT Bangalore from 18th Sept 2019 secured 3rd place.



Brunda

Our student Brunda of dept civil has represented VTU single zone Athletic competition (Women) walk race held at GNDCE BIDAR from 18th Sept 2019 secured 3rd place.



- The oxford college of engineering has won the insitutional cash award for sports and cultural achievement from VTU for the year 2019-20



- Our college chess womens team represented VTU interzone competition to be held at SJMIT Chitrdurga fromk 20th -22nd August2019

DEPARTMENT OF TRAINING AND PLACEMENT

At TOCE, high priority is given to the importance of training and mentoring. Department of T&P focuses on organizing the best and in-demand trainings for the students. Along with trainings, students are encouraged to enrol for Certification Programmes. Various placement preparation activities are carried out throughout the year.

Every student of TOCE is given equal and ample opportunities for Internship and Final Placement. Campus placement is organized at college level throughout the year so that maximum number of students get placed. Training and Placement Cell also guides the students for higher studies.

TRAININGS OFFERED AT TOCE:

All the students of TOCE are trained on Quantitative Aptitude, Soft-skills and Technical skills right from 1st year level. Selection of the topics and methodology of training delivery is done by the mutual concern of: Industry experts, College experts, Heads of the Department, Alumni of TOCE along with T&PCell, thereby enabling us to choose the best training delivery for the students. The aim of organizing such trainings at college level is to improve the career opportunities for the students and to enable them to practice the corporate culture right from their academics.

- To bridge the gap between the University curriculum and the industry requirement, we offer hands-on training to all our students irrespective of their stream (branch) every year. Trainings start right from First year and continues till Final Year so as to enable the students to learn required corporate, technical and soft skills.

HIGHLIGHTS OF TRAININGS AND DEVELOPMENT AT TOCE

- Systematic and continuous placement oriented soft skills training by professionals right from first year.
- Technical and domain specific trainings for pre-final and final year students.
- Professional certification programs for students inside college campus.
- State of art infrastructure availability for training and development.
- Frequent mock interviews to make students industry ready.
- MoU with 20+ companies enabling strong Industry-Academia Interaction.

TRAINING METHODOLOGY FOLLOWED AT THE OXFORD COLLEGE OF ENGINEERING

1st Year	<ul style="list-style-type: none"> Basic English Basic Aptitude Training
2nd Year	<ul style="list-style-type: none"> Advanced English Advanced Aptitude Soft skills training
3rd Year	<ul style="list-style-type: none"> Technical Training Advanced Aptitude Training Aptitude Practice Mock Interview sessions
4th Year	<ul style="list-style-type: none"> Company specific Aptitude Practice Technical Mock interviews Psychometric Tests

MoUs:

Department of T&P have signed MoU with 20+ companies for the continuation of quality standard of training and placement services offered at TOCE. Meetings are organized at both T&P Cell and various departments to ensure that the best practices are being followed.

PLACEMENT PROCESS AT TOCE:

Department of Training and Placement emphasises in inculcating both attitude and aptitude in students, encourage them for hands on trainings, soft skills development and motivate them to incorporate relevant certification programmes by providing them the best infrastructure support, state of art laboratories, interaction with industry experts, motivational sessions etc.

GLIMPSE OF PLACEMENT ACTIVITIES AT TOCE (Academic Year 2019-20):

- 150+ students are already placed (as in November 2019)
- 80+ students are waiting for final round results
- 30+ companies visited this semester
- 50+ companies scheduled for next semester
- 300+ more students will be placed in the coming semester

Notable companies who have hired our students this year:



PLACEMENT ACTIVITIES AT TOCE



NSS ACTIVITIES

- 'Plantation drive' (green india- clean india) in association with brahmakumaris foundation on 10th july, 2019
- Swachhata pakhwada- 2019- jal shakti abhiyan from 1st september, 2019 to 15th september, 2019
- Participation in 'cauvery calling' an action oriented campaign to revive the cauvery river launched by isha foundation on 08th september, 2019
- Swachhta hi seva 2019 from 11th september to 27th october, 2019.
- National unity day - rashtriya ekta diwas on '31st october, 2019
- Vigilance awareness programme- 2019 on 7th november, 2019
- Celebration of 70th anniversary of "indian constitution day/ samvidhan divas" on 26th november, 2019



Swachhta hi seva 2019



Indian Constitution Day / Samvidhan Divas

KANNADA RAJYOTSAVA

The Oxford College of Engineering College, Celebrated Kannada Rajyotsava Day on 27th November 2019. The Cultural event added color to the event where Mr Rahul Dito & M C Biju Rap singers took the spectators to another world with their mesmerizing performance by singing Kannada songs. The traditional essence of Kannadigas was everywhere.

The program started with the welcome speech from Dr. A S Aravind, Principal, TOCE . Later Principal & Dr. Amarnath K, Director lighted the lamp with other dignitaries Students of Engineering, MBA and MCA students actively participated in the Program.

The Program highlighted on how Importance to Kannada Language is declining day by day in its own land and is in the threaten of extinction after few decades. Dr. Amarnath, Director in his speech emphasized that language is the life and soul for any cultural. If the language losses its priority it will results to the death of that culture too.

