

ಆಕ್ಕಿರೈನ್ 2019

Vol XV



**THE OXFORD COLLEGE OF ENGINEERING**

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

Accredited by National Assessment and Accreditation Council (NAAC)

Accredited by National Board of Accreditation (NBA)

Accredited to International Accreditation Organization (IAO)

Bommanahalli, Hosur Road, Bangalore – 560 068

Tel : 080 - 6175 4603/ 626/ 601/ 602 Fax : 080 - 2573 0551

[www.theoxfordengg.org](http://www.theoxfordengg.org)

## **VISION**

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

## **MISSION**

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

## **QUALITY POLICY**

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



CHILDREN'S EDUCATION SOCIETY (Regd.)



## THE OXFORD COLLEGE OF ENGINEERING

(Recognized by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by A.I.C.T.E. New Delhi, Accredited by NAAC & NBA New Delhi and Recognized by UGC under section 2(f))  
Bommanahalli, Hosur Road, Bengaluru - 560068.  
: 080 - 61754601/602/604, Fax: 080 - 25730551 E-mail: engprincipal@theoxford.edu Web: www.theoxford.edu

# HEARTY CONGRATULATIONS

TO VTU RANK HOLDERS FOR THE ACADEMIC YEAR 2017-2018

1st Rank &  
Gold Medalist



Monica M  
BE (Mechatronics)

2nd Rank



Dhanalakshmi K  
M.C.A

4th Rank



Krunal S Pami  
BE (Mechatronics)

6th Rank



Shreyas Shanoy  
BE (Automobile Engg)

7th Rank



Gayathri K  
BE (Mechatronics)

7th Rank



Shreya Sreenu  
BE (CIV)

9th Rank



Ashwarya B  
BE (Biotechnology)

9th Rank



Chitra Jose K  
BE (Mechatronics)

10th Rank



Sarwath Umma  
M Tech (CSE)

The Oxford College of Engineering (TOCE) bagged 9 ranks in the  
18<sup>th</sup> VTU Annual Convocation held on 18.03.2019

TOCE stood 11<sup>th</sup> position in the overall rank list of UG/PG  
affiliated colleges under VTU

# Magazine Rankings 2019

**INDIA  
TODAY**

**NATIONAL MAGAZINE RANKINGS 2019**

11th Place	AMONGST BEST PRIVATE COLLEGES IN BENGALURU
135th Place	AMONGST ALL INDIA BEST PRIVATE COLLEGES

**DATAQUEST**

2nd Rank	AMONGST TOP T SCHOOLS (PRIVATE) IN BENGALURU
18th Rank	AMONGST TOP T SCHOOLS (PRIVATE) IN INDIA

**TIMES ENGINEERING**

49th Rank	TOP ENGINEERING INSTITUTE RANKINGS 2019 IN INDIA
	ONE OF THE TOP PRIVATE ENGINEERING INSTITUTES ON PLACEMENT

**THE WEEK**

**TOP PRIVATE ENGINEERING COLLEGES  
ALL INDIA**

8th Rank	AMONGST BEST PRIVATE ENGINEERING COLLEGES IN BENGALURU
63rd Rank	AMONGST TOP PRIVATE ENGINEERING COLLEGES - ALL INDIA

**THE WEEK RANKINGS  
OUTLOOK**

66th Rank	AMONGST INDIA'S TOP 100 ENGINEERING COLLEGES 6th RANK IN BENGALURU
12th Rank	AMONGST INDIA'S TOP 20 INSTITUTES OF ARCHITECTURE 3rd RANK IN BENGALURU



Confederation of Indian Industry

## AICTE-CII

### SURVEY OF INDUSTRY LINKED TECHNICAL INSTITUTES 2018

THE OXFORD COLLEGE OF ENGINEERING	BELOW 10	SILVER
THE OXFORD COLLEGE OF ENGINEERING- MBA PROGRAMME	BELOW 11 & 29	GOLD
THE OXFORD COLLEGE OF ENGINEERING - (MCA)	BELOW 11 & 29	GOLD

14<sup>TH</sup> EDITION DQ-SURVEY

## TOP T-SCHOOLS 2019

14<sup>TH</sup> EDITION  
DQ-CMR SURVEY

2nd Rank	AMONGST TOP T SCHOOLS (Private) IN BENGALURU
18th Rank	AMONGST TOP T SCHOOLS (Private) IN INDIA

## Chronicle of Career & Education

GRADE WISE LISTING



OVERALL RANKING TOP 75 ENGINEERING COLLEGES

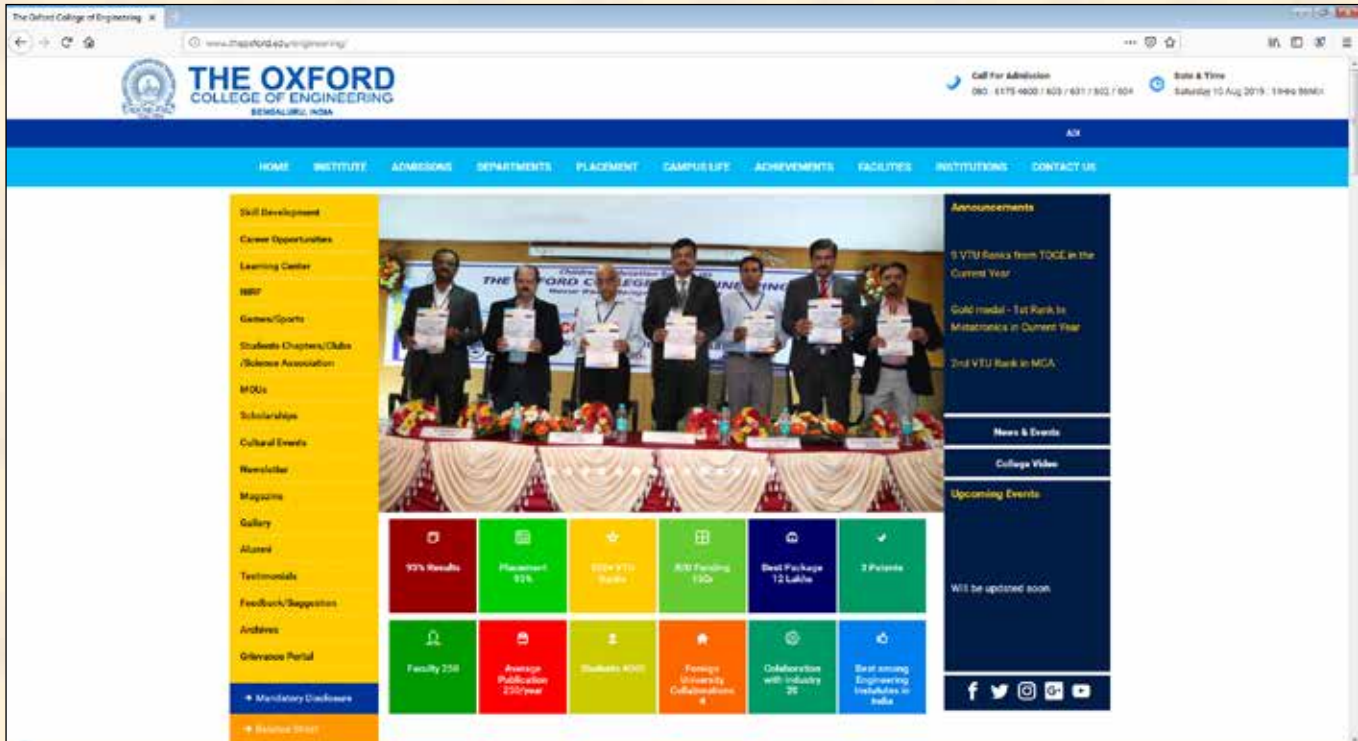
## CAREERS 360

SURVEY ON ENGINEERING INSTITUTES - 2019  
HAS AWARDED "AAA" GRADE

PARTICIPATED IN



# COLLEGE WEBSITE



Please Refer our Website for all future announcements:

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<https://twitter.com/TheOxfordColle2>



**VAJUBHAI VALA**  
Governor of Karnataka

No. GS 93 MSG 2019

**MESSAGE**

I am happy to know that 'The Oxford College of Engineering', Bangalore is bringing out a College Magazine "OXYZINE - 2019" to highlight talents and achievements of students in the Institution.

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

**(VAJUBHAI VALA)**



## Visvesvaraya Technological University

"Jnana Sangama"

Belagavi - 590 018, Karnataka State.

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

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

Ref. No.: VTU/VCS/2019-20/ 108

Date: 07-08-2019

### MESSAGE

*I am pleased to note that the Oxford College of Engineering, Bengaluru, is bringing out the XV volume of its College Magazine "OXYZINE - 2019".*

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

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

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

  
Dr. Karisiddappa  
Vice Chancellor

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





**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**

**ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ**

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

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

*Prof. A. S. Deshpande, B.E(Mech), M.Tech., Ph.D.*  
*Registrar*

Ref. No.: VTU/PS/2019-20/ 3021

Date: 11 AUG 2019



**MESSAGE**

*It is indeed a matter of pleasure that Oxford College of Engineering, Bengaluru is bringing out a college magazine "OXYZINE-2019" Vol. XV. Bringing out a magazine is not an easy task, but it is a venture of the combined efforts of students and teacher.*

*It gives us a feel of great pride to note that the college is one of the most prestigious institutions in Bengaluru imparting quality technical education in various streams of Engineering, Post Graduates and Research. In addition to the numerous achievements of the Institute, the college has got accredited by NBA and NAAC which is another milestone in their curricular and co-curricular activities. I wish the magazine will bring sprit, technical & literary hidden talents of the students & staff of the college to share their views.*

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

  
**Prof. A. S. Deshpande**  
**REGISTRAR**



## Message from the **Chairman**

The current issue of Oxyzine 2019 is a pool of potentials of the venture contemplated by the faculty and students who have dedicatedly been involved for exposition of their creative and artistic trait besides perceptions and projection of their literary talents for fulfillment of their missions. All the articles are immensely beneficial in pursuit of achieving excellence and for enlightenment of readers leading to multiple frontiers. It also reflects the multifarious beyond curricular activities crept in the College to emerge as a significant player in the technological education landscape focusing the character building.

*SNVL Narasimha Raju*

**SNVL NARASIMHA RAJU**

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



## Message from the **Director**

I am glad to note that The Oxford College of Engineering (TOCE) is coming up with its 15th Volume of annual college magazine 'Oxyzine'. It is obvious that the magazine encapsulates the achievements of the college both academic and non-academic across its departments. 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 and activities and placements. The same is evident from the fact that TOCE is accredited by the National Board of Accreditation (NBA), National Assessment and Accreditation Council (NAAC) and also International accreditation organization. Obviously these accreditations are strong indicators towards the robust teaching learning and the academic environment offered in the college. Ample evidence towards the holistic nurturing of the students is obtained from the various ranking surveys conducted by reputed magazines and periodicals wherein TOCE is ranked amongst the 'Top 10' Institutions in the state of Karnataka.

From the Editorial Team I understand that the college has organized a plethora of Extra/Co-curricular activities such as National Conferences, Workshops, Faculty Development Programs, Seminars and expert guest lectures from eminent personalities. 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. Also bagged several awards and medals in events organized not only by VTU but several other Engineering Institutions affiliated to VTU. All this is possible only with the unstinted support of our beloved Chairman Shri S N V L Narasimha Raju. His proactive leadership and forward thinking have contributed immensely across the Group.

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 endeavors. I wish TOCE the Best in all its endeavors and urge that it scale greater heights with enhanced conviction and dedication.

**Dr. AMARNATH K**  
**BE,ME,Ph.D,FIV,MICI,MISTE**  
**Director, The Oxford Educational Institutions**



## Message from the **Principal**

Hiiya Ho Hiiya, Hiiya Ho Hiiya !!!

These are the war cries of the spirited foot soldiers of the tribes in South America marching to the rhythmic beating of drums and also their elated feelings of success and victory.

Dear students, I have two important tasks to be addressed – firstly to welcome our freshers who are joining The Oxford Family, who have taken their first baby steps in this Institution, and the second, to wish and congratulate our successful engineers who have completed their course successfully and are eager and enthusiastic to take on the world, to face the many challenges on their own terms.

I have chosen this call of the South American warriors here to reflect the same sentiment of spirited endeavor undertaken by our freshers, and to celebrate and enjoy the success of our outgoing batch and wish them victory in all their future challenges. We are warriors with the same determination and firm resolve set to achieve the goal of success in whichever action that we have set forth upon. We know that our path is not easy, but our firm resolve and unshaken faith to achieve, together with hard work and determination, we will emerge successful.

You youngsters have chosen this as your career path and got admitted to this Institution. I urge you to make the most of this opportunity towards achieving this end. Fresh in mind and muscle, do not lose focus of your goal. Put forth real efforts, play your game with fairness and emerge victorious.

Wish you all - all the very best for a glorious future.

Hiiya Ho Hiiya, Hiiya Ho Hiiya !!!

**Dr. A. S. ARAVIND**  
**Principal**  
**The Oxford College of Engineering**

# Major achievements of TOCE and the passing out batch during 2018-19

- TOCE, approved by AICTE, New Delhi and affiliated to Visvesvaraya Technological University, Belagavi, is accredited by NAAC and IAO. NBA has accredited the departments of CSE, ISE and EEE for 3 years till 2020-2021. The inspection of the departments of ECE, ME, BT, CV have been completed and AUTO, MTE are having the NBA inspection in August 2019. We have excellent library resources in addition to having membership to the National Digital Library.
- Nine Students have secured ranks in the UG and PG courses during the academic year 2017-18. Ms.Monica M of MTE department has secured 1st Rank and Gold Medal from VTU.
- National Conference of Science, Engineering and Management (NCSEM-19) was organized on 8th and 9th May 2019 in which faculty and students across the Nation participated and appreciated the deliberations. Around 260 projects posters were presented during this event. TOCE started IEEE student branch and the sight group in 2011. It bought in funding for the humanitarian project from Asia-pacific. IEEE Photonic society and EMB society student chapter got approval from IEEE USA. Under student branch our students got the very prestigious IEEE All India M.V Chauhan Award for Technical Writing. Many FDPs and Workshops were conducted and attended by our faculty to enrich their knowledge. Some of our faculty were Resource Persons, members of BOE, BOS and other committees of VTU.
- We have four ongoing sponsored research projects worth about 71.83 lacs from DBT-BIRAC, VGST-RGSF-KFIST and AICTE-Prerana, New Delhi. This year eight student projects were selected by KSCST to take up research activities. ISE and EEE departments have received best innovative project recognitions.
- Dr. Prithivi Raj and Dr. Sridhar, Research Scholars in the Dept. of ECE, have obtained Ph.Ds from our VTU Research Centre. Dr. Madhusudhan Reddy and Dr. Palanivel from Dept of Mathematics have also got their Ph.Ds.
- The Training & Placement Cell organized Mega Job Fair – 2019 at TOCE on 20th July 2019. The Job Mela had 4000+ registrations from job aspirants. 57 companies came in with 1000+ job offerings and more than 650 offer letters were distributed to the selected candidates.
- TOCE hosted VTU Bangalore Central Zone Volley Ball Tournament. We won the Kho-kho Central Zone, Hockey State Level, Volley Ball state level tournaments and represented VTU in the All India inter-university Kho-kho team (Men), Kabaddi (Women), Hockey (Men), Taekwondo (Men), Swimming (Women), Ball badminton competitions.
- We conducted the state level techno-cultural fest IGNUS-2018 which gave a wonderful platform to the students for exhibiting their talents.
- Students are also very active in community service activities. To show our social responsibility, many innovative projects were taken up by the students which had social relevance. We do use renewable energy, have rain water harvesting and spread hygiene awareness in our campus. Our NSS team has conducted Blood Donation Camp, collected funds for relief of flood victims of Kodagu and village adaptation under Unnat Bharat Abhiyan scheme. Last year we celebrated Science Day, Ambedkar Jayanti, Gandhi Jayanti, Sadbhavana Diwas, Karunada Utsava, Plastic free zone, Engineers Day, Teachers Day, International Yoga Day and other such days of importance.
- The Oxford College of Engineering has bagged many honours in various magazines during 2017-2018. To state a few, CAREERS 360 rated TOCE as AAA, India Today ranked TOCE in 135th place among top colleges in India. OUT LOOK ranked us 12th among top twenty private colleges in Bengaluru. TIMES OF INDIA - Times Engineering Institute Ranking ranked TOCE as 49th among Top Engineering Institutes and 44th on Top Private Engineering Institutes on Placement records. The Week ranked TOCE as 8th amongst top South Zone private engineering colleges. Chronicle of Career & Education has listed TOCE with A grade. We have also participated in NIRF, ARIIA, and AICTE-CII Survey.
- With all these feathers in our cap, TOCE is really flying high and is fully set to reach even greater heights. I whole heartedly congratulate all the achievers and thank each one of those who worked hard to make these successes possible



## From **Editor's** Desk

The Magazine, Oxyzine 2019.Vol.XV was one such cherished work that had its roots in the persuasion. It would be a snapshot of the various activities and advancements for all associated with The Oxford College of Engineering. This newsletter is intended to be published every year. The Management of Children's Education Society, has been working hard, year after year providing holistic & social responsible Professionals through its group of Educational Institutions of our college in producing brilliant young students from our Institutions. I thank all the Heads of the Departments for giving the necessary information on time, which ensured the timely release of Oxyzine 2019. I sincerely thank our beloved Principal Dr. A S. Aravind, for his continuous support in bringing out this magazine. With the dynamic director Dr. K Amarnath being our driving force and timely advice from our Chairman Sri S.N.V.L. Narasimha Raju, we have successfully brought out the Oxyzine 2019 on time. Our sincere thanks to Mr. Jameel & his team from Images. Last but not the least special thanks to the editorial team and office staff for ably supporting us.

**Dr. E SARAVANA KUMAR**  
**Associate Professor / CSE**

## MEP JOB FAIR - REPORT (20TH JULY 2019)

### BRIEF INTRODUCTION:

Department of Training & Placement Cell organized Mega Job Fair (MEP Job Fair) at TOCE, 1st of its kind in Karnataka on 20th July 2019 in association with Dhanush Engg Services Pvt. Ltd., Hyderabad supported by VTU-CPC, Belagavi focusing on Mechanical, Electrical and Civil streams. We witnessed 4000+ student registrations for the Job Mela. 57 companies with 1000+ job openings participated in this mega event held at The Oxford College of Engineering.



Candidates registering themselves during the MEP Job Fair at registration desk, TOCE

## INAUGURAL FUNCTION:

The inaugural function started with invocation song by **Prof. Keethi**, TOSA followed by welcome speech by **Dr. A.S. Aravind**, Principal-TOCE. Program continued with lighting the lamp by the dignitaries.

An outline of the Job Fair was given by **Dr. Amarnath K**, Director-TOCE.

**Dr. Binoy Mathew** (Chief Guest) delivered Key note address. During the key note, Dr. Mathew stressed on the importance of such events for the benefit of the society and congratulated the Placement Team and the entire college for organizing this noble event. Chief guest also assured to have more such events at TOCE in association with VTU-CPC in upcoming future.

**Mr. Chakradhar Majety**, Director-Dhanush Engg Services addressed the gathering. All the dignitaries were felicitated followed by Vote of thanks by **Prof. Dhananjay Kumar**, Head-Training & Placement, TOCE.

The whole program was ably coordinated and conducted by **Dr. R.V. Dhanalakshmi** (HOD-MBA).



Delegates officially starting the function with lightening of lamp



Dr. Binoy Mathew with Principal & staff of college during MEP Job Fair at TOCE



Director of Dhanush Engg Services with Director, Principal, Placement Head, HODs & PED of TOCE





**Dr. Binoy Mathew**  
(Director, VTU-CPC)



**Dr. A. S. Aravind**  
(Principal-TOCE)



**Mr. Chakradhar Majety**  
Director-Dhanush EnggServices Pvt. Ltd.



**Dr. Amarnath K.**  
Director-TOCE



**Prof. Dhananjay Kumar**  
Head-Training & Placement, TOCE

**POST INAUGURAL:**

After inaugural function, all company HRs were escorted to their respective interview rooms by the volunteers and interview started. All 57 companies were assigned separate interview rooms spread over 6 floors (2nd Floor to 7th Floor). Each floor had one volunteer as Floor Head who was actively involved in sending job aspirant to the interview rooms as per the requirement of the client. Real time communication between floor head, interview volunteers and Placement Staff was made possible through what's app group specially made for the event. Hospitality team has a regular and constant check on the requirement of facilities like: drinking water for HRs, stationary requirements, Tea/Coffee etc. Students waiting rooms were arranged on each floor to ensure less gathering outside the interview room. VALEDICTORY & OFFER



Photos of Interview rooms during MEP Job Fair at TOCE

## VALEDICTORY & LETTER DISTRIBUTION:

Valedictory function started at 4:30 PM where more than 300 offer letters out of 650+ offers were distributed to the selected students. Company representative and offered candidates gave their feedback on the conduct of the event during this session. HR delegates were overwhelmed with the overall event and insisted to have more similar events at TOCE. Students were thankful to the college management for giving such opportunity to build their career. Certificate of appreciation were exchanged between TOCE and Dhanush EnggServices. Appreciation certificates were also distributed to volunteers for their never-dying support. Program ended successfully with National anthem.



Felicitation of the Guests during MEP Job Fair 2019 at TOCE

Candidates receiving Offer letter by delegates during MEP Job Fair 2019 at TOCE



Certificate of appreciation honored to TOCE by Dhanush EnggServices Ind. Pvt. Ltd. during MEP Job Fair 2019 at TOCE

**Conclusion:**

The MEP Job Fair was held successfully at TOCE on 20th July 2019. The Job Mela had 4000+ registrations from job aspirants. 57 companies came in with 1000+ job offerings on a single day. This whole event was covered by media in their reports which appeared on the subsequent following days.

**News Coverages:**

Sunday, 21st July 2019



# ಆನೇಕಲ್: ಉದ್ಯೋಗಮೇಳದಲ್ಲಿ ಸಹಸ್ರ ನಿರುದ್ಯೋಗಿಗಳಿಗೆ ಉದ್ಯೋಗ

ಆನೇಕಲ್, ಜು.20: ವಿದ್ಯಾಭ್ಯಾಸ ಮುಗಿ ಸಿದ್ಧರೂ ಉದ್ಯೋಗ ಸಿಗದ ಇಂದಿನ ದಿನಗಳಲ್ಲಿ ಕೆಲ ಖಾಸಗೀ ಸಂಸ್ಥೆಗಳು ಉದ್ಯೋಗ ಮೇಳ ನಡೆಸುವ ಮುಖಾಂತರ ಯುವಕರ ಬಾಳಲ್ಲಿ ಬದುಕಿನ ಹಣತೆ ಹಚ್ಚಿದ್ದಾರೆ.

ಬೆಂಗಳೂರು - ಹೊಸೂರು ರಸ್ತೆಯ ಬೊಮ್ಮನಹಳ್ಳಿ ಆಕ್ಸ್‌ಫರ್ಡ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು ಕ್ಯಾಂಪಸ್ ನಲ್ಲಿ ಶನಿವಾರ ಉದ್ಯೋಗ ಮೇಳ ಹಮ್ಮಿಕೊಳ್ಳಲಾಗಿತ್ತು.

ಮೆಕ್ಯಾನಿಕಲ್, ಇಲೆಕ್ಟ್ರಿಕಲ್, ಸಿವಿಲ್ ಟ್ರೇಡ್ ವ್ಯಾಸಂಗ ಮಾಡಿದ ಐಟಿಐ, ಡಿಪ್ಲೋಮಾ, ಬಿ.ಟೆಕ್, ಬಿ.ಇ ಮುಗಿಸಿದ ನಾಲ್ಕು ಸಾವಿರ ಮಂದಿ ಉದ್ಯೋಗ ಸಂದರ್ಶನಕ್ಕಾಗಿ ಹೆಸರು ನೋಂದಾಯಿಸಿಕೊಂಡಿದ್ದರು.

ಬೆಂಗಳೂರು, ಮೈಸೂರು, ಹುಬ್ಬಳ್ಳಿ ಹಾಗೂ ತಮಿಳುನಾಡು ಮೂಲದ 60 ಖಾಸಗಿ ಕಂಪನಿಗಳು ಉದ್ಯೋಗ ನೀಡಲು



ಮುಂದೆ ಬಂದು ಭಾಗವಹಿಸಿದ್ದವು. ಉದ್ಯೋಗ ನೀಡಿಕೆಯಲ್ಲಿ ಸ್ಥಳೀಯರಿಗೆ ಹಾಗೂ ಗ್ರಾಮೀಣ ಪ್ರದೇಶದ ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ಆದ್ಯತೆ ನೀಡಲಾಗಿತ್ತು. ಸಂದರ್ಶನಕ್ಕೆ ಹಾಜರಾದ 4ಸಾವಿರ ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ 1,251 ಜನ ಯುವತಿಯರು ಪಾಲ್ಗೊಂಡಿದ್ದರು.

ಕ್ಯಾಂಪಸ್ ಸಂದರ್ಶನ

ಕ್ಷೀಣವಾಗುತ್ತಿರುವ ಕಾಲಘಟ್ಟದಲ್ಲಿ, ಪ್ರತಿ ಕಾಲೇಜುಗಳಲ್ಲಿಯೂ ಇಂತಹ ಉದ್ಯೋಗ ಮೇಳಗಳು ನಡೆದಲ್ಲಿ ಅನುಕೂಲವಾಗುತ್ತದೆ, ಈ ಹಿಂದೆ ನಡೆದ ಉದ್ಯೋಗ ಮೇಳದಲ್ಲಿ ಉದ್ಯೋಗ ಪಡೆದು ಉತ್ತಮ ವೇತನ ಪಡೆಯುತ್ತಿದ್ದೇನೆ ಎಂದು ಆಕ್ಸ್‌ಫರ್ಡ್ ಕಾಲೇಜಿನ ಹಳೆಯ ವಿದ್ಯಾರ್ಥಿ ಸ್ವರೂಪ್ ತಮ್ಮ ಅಭಿಪ್ರಾಯ

ವ್ಯಕ್ತಪಡಿಸಿದರು. ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕೇಂದ್ರೀಕೃತ ನಿಯೋಜನೆ ಕೋಶದ ನಿರ್ದೇಶಕ ಡಾ.ಬಿನೋಯ್ ಮ್ಯಾಥ್ಯಾ ಉದ್ಯೋಗಮೇಳ ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದರು.

ವಿದ್ಯಾರ್ಥಿಗಳು ಉತ್ತಮ ಅಂಕಗಳಿಗೆಯ ಜತೆಗೆ, ಸಂವಹನ ಕೌಶಲ್ಯತೆ ಬೆಳೆಸಿಕೊಳ್ಳಲು ಪ್ರಯತ್ನಿಸಬೇಕು ಎಂದರು. ಕೇಂದ್ರೀಯ ನಿಯೋಜನೆ ಕೋಶದ ವತಿಯಿಂದ ಕೈಗಾರಿಕಾ ಸ್ನೇಹಿ ಹಾಗೂ ಉದ್ಯೋಗಾಧಾರಿತ ಪತ್ಯಕ್ರಮಕ್ಕೆ ಒತ್ತು ನೀಡಲಾಗುತ್ತಿದೆ, ವ್ಯಾಸಂಗದ ಜತೆಯಲ್ಲೇ ಸಂದರ್ಶನ ಎಂದುಸುವುದು, ಸಂವಹನ, ಹಲವು ವಿಷಯಗಳ ಮೇಲೆ ಪ್ರತ್ಯೇಕವಾಗಿ ತರಬೇತಿ ನೀಡಲಾಗುತ್ತಿದೆ. ವಿಟಿಯುಗೆ ಸಂಯೋಜನೆಗೊಂಡ 220 ಕಾಲೇಜುಗಳಲ್ಲಿ ಇಂತಹ ತರಬೇತಿ ಕೇಂದ್ರಗಳನ್ನು ತೆರೆಯಲಾಗಿದೆ ಎಂದು ಮಾಹಿತಿ ನೀಡಿದರು.

# Thousands of jobs at job fair

Prajawani news

Published: 21 Jul 2019, 00:43 IST

Updated: 21 Jul 2019, 00:43 IST



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That That That



Candidates lined up for interview at job fair

**Bommanahalli:** One thousand people got jobs at the Oxford Engineering College campus here on Saturday.



## Employment Promotion for Millennial Unemployed at the Job Fair

Published: 21 Jul 2019, 10:33 am IST



The job fair was held at Bommanahalli Oxford Engineering College Campus on Bangalore-Hosur Road. The event was attended by 60 private companies based in Bangalore, Mysore, Hubli and Tamil Nadu.

**Anekal / Bommanahalli:** Nowadays, few private companies have promised to provide employment to the youth through job fair.

Four thousand registered IT, Diploma, B.Tech and B.E. students who have studied mechanical, electrical and civil trade. There were 60 private companies in Bangalore, Mysore, Hubli and Tamil Nadu. Local and rural candidates were given preference in employment. Among the participants were 1251 young women.

"In the face of the dwindling on-campus interviews, there will be a host of job fairs in every college. Swarup, an alumnus of Oxford College, said, "I got a job and got a good salary at a previous job fair."

Dr. Benoy Mathew of Visvesvaraya Technological University, inaugurated the fair. Students should strive to develop good communication skills and communication skills."

The job fair was held at Bommanahalli Oxford Engineering College Campus on Bangalore-Hosur Road. Four thousand people who have completed IT, Diploma, B.Tech and B.E. who have studied mechanical, electrical and civil trade have registered for the interview. 60 private companies based in Bangalore, Mysore, Hubli and Tamil Nadu come forward to provide employment.

Local and rural candidates were given preference in employment. Of the 4,000 students who attended the interview, 1,251 were young women. In the face of declining campus interviews, such job fairs will benefit every college, said the college's former student.

Dr. Benoy Mathew, Director, Centralized Assignment Cell of Visvesvaraya Technological University, inaugurated the event. "1.25 million engineering graduates come out every year. Out of 100 engineering students, only 12 get jobs. Kakare said students should strive to develop communication skills, along with better scoring.



## ಉದ್ಯೋಗ ಮೇಳದಲ್ಲಿ ಸಹಸ್ರ ನಿರುದ್ಯೋಗಿಗಳಿಗೆ ಉದ್ಯೋಗದ ಭರವಸೆ

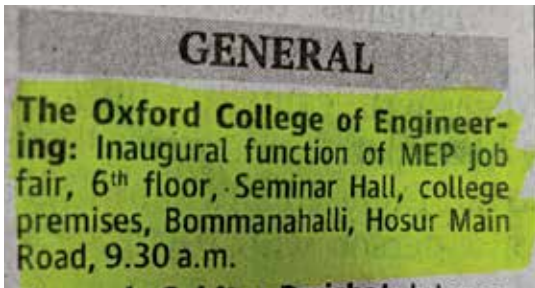
Published :21 Jul 2019 , 10:33 am IST



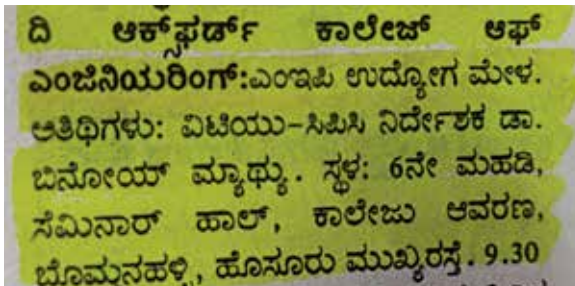
ಬೆಂಗಳೂರು-ಹೊಸೂರು ರಸ್ತೆಯ ಬೊಮ್ಮನಹಳ್ಳಿ ಆಕ್ಸ್‌ಫರ್ಡ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು ಕ್ಯಾಂಪಸ್‌ನಲ್ಲಿ ಉದ್ಯೋಗ ಮೇಳ ಹಮ್ಮಿಕೊಳ್ಳಲಾಗಿತ್ತು. ಈ ಮೇಳಕ್ಕೆ ಬೆಂಗಳೂರು, ಮೈಸೂರು, ಹುಬ್ಬಳ್ಳಿ, ತಮಿಳುನಾಡು ಮೂಲದ 60 ಖಾಸಗಿ ಕಂಪನಿಗಳು ಭಾಗವಹಿಸಿದ್ದವು.

ಅನೇಕಲ್/ಬೊಮ್ಮನಹಳ್ಳಿ: ಉದ್ಯೋಗ ಸಿಗದ ಇಂದಿನ ದಿನಗಳಲ್ಲಿ ಕೆಲ ಖಾಸಗಿ ಸಂಸ್ಥೆಗಳು ಉದ್ಯೋಗ ಮೇಳ ನಡೆಸುವ ಮೂಲಕ ಯುವಕರಿಗೆ ಉದ್ಯೋಗ ನೀಡುವ ಭರವಸೆ ನೀಡಿವೆ.

Saturday, 20th July 2019



Deccan Herald



Prajawani

ಬೆಂಗಳೂರು-ಹೊಸೂರು ರಸ್ತೆಯ ಬೊಮ್ಮನಹಳ್ಳಿ ಆಕ್ಸ್‌ಫರ್ಡ್ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು ಕ್ಯಾಂಪಸ್‌ನಲ್ಲಿ ಉದ್ಯೋಗ ಮೇಳ ಹಮ್ಮಿಕೊಳ್ಳಲಾಗಿತ್ತು. ಮೆಕ್ಯಾನಿಕಲ್, ಎಲೆಕ್ಟ್ರಿಕಲ್, ಸಿವಿಲ್ ಟ್ರೇಡ್ ವ್ಯಾಸಂಗ ಮಾಡಿದ ಐಟಿಐ, ಡಿಪ್ಲಮೋ, ಬಿ.ಟೆಕ್, ಬಿ.ಇ ಮುಗಿಸಿದ ನಾಲ್ಕು ಸಾವಿರ ಮಂದಿ ಸಂದರ್ಶನಕ್ಕಾಗಿ ಹೆಸರು ನೋಂದಾಯಿಸಿಕೊಂಡಿದ್ದರು. ಬೆಂಗಳೂರು, ಮೈಸೂರು, ಹುಬ್ಬಳ್ಳಿ ಹಾಗೂ ತಮಿಳುನಾಡು ಮೂಲದ 60 ಖಾಸಗಿ ಕಂಪನಿಗಳು ಉದ್ಯೋಗ ನೀಡಲು ಮುಂದೆ ಬಂದವೆ.

ಉದ್ಯೋಗ ನೀಡಿಕೆಯಲ್ಲಿ ಸ್ಥಳೀಯರಿಗೆ ಹಾಗೂ ಗ್ರಾಮೀಣ ಪ್ರದೇಶದ ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ಆದ್ಯತೆ ನೀಡಲಾಗಿತ್ತು. ಸಂದರ್ಶನಕ್ಕೆ ಹಾಜರಾದ 4,000 ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ 1,251 ಜನ ಯುವತಿಯರಿದ್ದರು. ಕ್ಯಾಂಪಸ್ ಸಂದರ್ಶನ ಕ್ಷೀಣವಾಗುತ್ತಿರುವ ಕಾಲಘಟ್ಟದಲ್ಲಿ, ಪ್ರತಿ ಕಾಲೇಜುಗಳಲ್ಲಿಯೂ ಇಂತಹ ಉದ್ಯೋಗ ಮೇಳಗಳು ನಡೆದಲ್ಲಿ ಅನುಕೂಲವಾಗುತ್ತದೆ, ಈ ಹಿಂದೆ ನಡೆದ ಉದ್ಯೋಗ ಮೇಳದಲ್ಲಿ ಉದ್ಯೋಗ ಪಡೆದು ಉತ್ತಮ ವೇತನ ಪಡೆಯುತ್ತಿದ್ದಾರೆಂದು ಕಾಲೇಜಿನ ಹಳೆ ವಿದ್ಯಾರ್ಥಿ ತಿಳಿಸಿದರು.

ಮೇಳ ಉದ್ಘಾಟಿಸಿದ ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಕೇಂದ್ರೀಕೃತ ನಿಯೋಜನೆ ಕೋಶದ ನಿರ್ದೇಶಕ ಡಾ.ಬಿನೋಯ್ ಮ್ಯಾಥ್ಯು ಮಾತನಾಡಿ 'ಪ್ರತಿವರ್ಷ 1.25 ಮಿಲಿಯನ್ ಇಂಜಿನಿಯರಿಂಗ್ ಪದವೀಧರರು ಹೊರಬರುತ್ತಿದ್ದಾರೆ. 100 ಜನ ಇಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಕೇವಲ 12 ಜನರಿಗೆ ಮಾತ್ರವೇ ಉದ್ಯೋಗ ಸಿಗುತ್ತಿದೆ. ವಿದ್ಯಾರ್ಥಿಗಳು ಉತ್ತಮ ಅಂಕ ಗಳಿಕೆಯ ಜತೆಗೆ, ಸಂವಹನ ಕೌಶಲ್ಯತೆ ಬೆಳೆಸಿಕೊಳ್ಳಲು ಪ್ರಯತ್ನಿಸಬೇಕು ಎಂದು ಕರೆ ನೀಡಿದರು.

**Children's Education Society(R)**  
**THE OXFORD COLLEGE OF ENGINEERING**  
 Bommanahalli, Hosur Main Road, Bangalore-560068

*Cordially invites you to the Inaugural Function of*  
**"MEP Job Fair"**  
*on Saturday, 20<sup>th</sup> July-2019 at 9:30 AM*  
*Venue: 6<sup>th</sup> Floor Seminar Hall, New Building, TOCE*

**Dr. BINOY MATHEW**  
 Director, VTU-CPC  
 has kindly consented to be the Chief Guest

**Dr. SNVL NARASIMHA RAJU**  
 Chairman, The Oxford Educational Institutions  
 will preside over the function

**Dr. CHAKRADHAR MAJETTY**  
 Director, Dhanshi Engg Services India Pvt. Ltd.  
 will address the gathering

**Dr. AMARNATH K**  
 Director, The Oxford Group of Institutions  
 will address the gathering

**Prof. DHANANJAY KUMAR**  
 Head, Training & Placement,  
 The Oxford College of Engineering

**Dr. A S ARAVIND**  
 Principal,  
 The Oxford College of Engineering

## THE TRAINING AND PLACEMENT DEPARTMENT

**Prof. Dhananjay Kumar**  
Head Training & Placement



### Vision

**To reduce the gap between candidate's skills and the industry expectation by continuous training and mentoring the students so thereby producing competent resources equipped with personal and professional etiquette. Department is ready to walk that extra mile which can give back happy students and cherished clients back to the institution.**

### Mission

**Department of Training and Placement of TOCE is dedicated towards achieving 100% placements and leaves no stone unturned in preparing the students capable to get job before they pass out from the campus. To ensure 360-degree improvement in student's performance, department is always ready to impart numerous training programs, workshops, seminars, industry interactions, and also industry visits.**

Department of Training and Placement of TOCE gives high priority to the importance of training and mentoring for every individual. The students of TOCE are offered with the best and in-demand trainings on both Technical and Non-Technical front. The T&P (Training and Placement) Cell of TOCE not only acts as a facilitator for training and placement but also works towards overall development of the students. It primarily works as a liaison between industry and institute. Cell is well equipped with excellent infrastructure to support each and every stage of the placement processes.

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. It is as a result of our unique training methodology; we are always been preferred from premier corporates to acquire fresh talent.

### Department of T&P looks after arranging:

- In plant training for students in industries during Summer and Winter vacations.
- Continuous Academia-Industry interaction by arranging guest lectures.
- Conducting various grooming sessions from Industry experts
- Encouraging students to join Entrepreneurship Development cell.
- Placing the students in industries through On/Pool/Off campus recruitments.

### PLACEMENT TEAM

Prof. Dhananjay Kumar, an able professional with 10+ years of academic and industry experience heads the department of Training & Placement at TOCE along with Ms. Vijayalakshmi Rao (Manager-Corporate Relations) and 2 other active Placement officers. Placement team at TOCE has taken up the placement of the students as a challenge and works day and night to make sure all the students at TOCE are placed before they pass out. It is the outcome of team's continuous effort that college has 100+ such noble clients for whom TOCE is preferred college for all their Placement requirements.



**Ms. Vijayalakshmi Rao**  
(MBA)

Manager-Corporate Relations

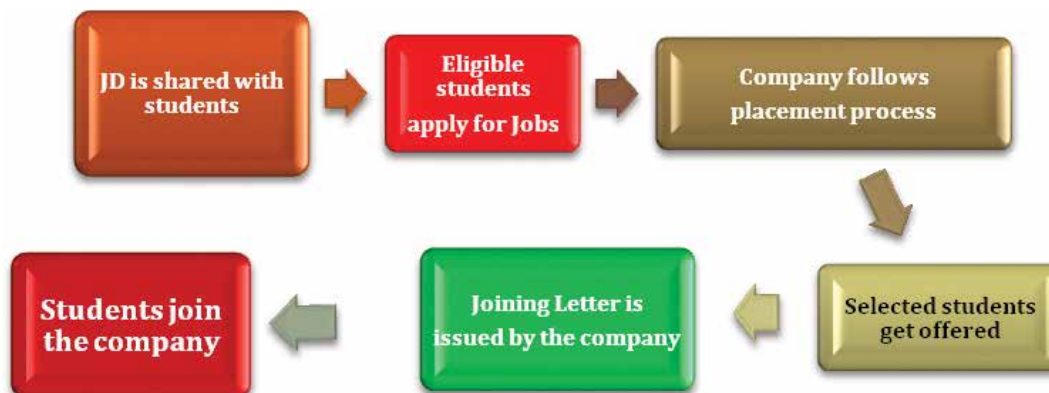
## TRAINING PROCESS

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 along with T&P cell, thereby enabling us to choose the best training 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. We offer training to all the students irrespective of their stream every year. Trainings start right from First year and continues till Final Year so as to enable students to learn required corporate, technical and soft skills.



## PLACEMENT PROCESS

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.



Once the placement season commences, one can feel the vibrant environment on the campus. We are always open to walk that extra mile which can bring in some benefit to students in terms of their personal and professional growth. Talents go barely unrecognized at TOCE as we leave no stone unturned, to place our students.

## OUR INFRASTRUCTURE



Two high-tech Seminar Halls with A/C & Digital Podium 300+ computers for online test



Four Departmental Seminar Halls Four Group Discussion Rooms



20+ Classrooms for Pen and Paper Test



Six Personal Interview Rooms

## GLIMPSE OF PLACEMENT DRIVES



Offered students of Ree Labs with company HR, Chairman-The Oxford Educational Institutions, Director-The Oxford Group of Institutions, Principal-TOCE, HOD-BT & Placement Head-TOCE





HR of Royota Engineering with Director-Oxford Institutions, HOD& Placement Head-TOCE during Campus drive at TOCE



Offered students along with HR of Infidof, Principal, Placement Team-TOCE



HR-Head of PayPal interacting with job aspirants during corporate presentation



Participants with Placement Head during Attra Infotech Pvt Ltd Campus drive at TOCE



Placement Team with PayPal Campus Team



Placement Team with Talent Acquisition Team of L&T Infotech



Selected students of ExtraMarks with HR & Placement Team

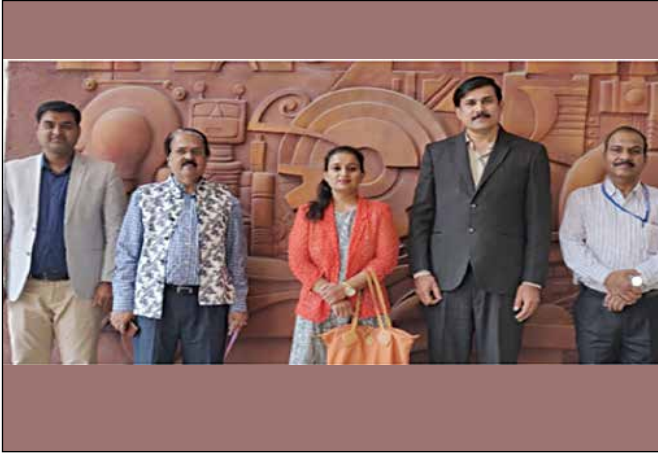


Principal, HOD& Placement Head with HR Team of Fayat Engg



Students receiving **Offer letters** by Chief Guest-**Padmashree Dr.Doddarange Gowda**, Guest of Honor-**Smt. Chitkala Biradar**, **Sri. S. N. V. L. Narasimha Raju** (Chairman-The Oxford Educational Institutions), **Dr. Amarnath K** (Director-The Oxford Group of Institutions), **Dr. R.V. Praveena Gowda** (Principal-TOCE) and **Prof. Dhananjay Kumar** (Placement Head-TOCE) during **Offer-Letter Distribution Ceremony**

**COLLEGE-CORPORATE INTERACTION**



Ms. Shilpa Sawant – Technical Manager, Ernest & Youngs with Director, Principal, Placement Head & HOD-Maths during Women empowerment session at TOCE



Ken Kodama, Founder & CEO-Emurgo with Dhananjay Kumar, Placement Head-TOCE



Apprenticeship training jointly organized by AICTE & TOCE Director-VTU (CPDirectorC) along with Director-Oxford Group of Institutions & Placement Head-TOCE



Director-VTU(CPC) with Director-Oxford institutions & Placement Head-TOCE



Shri. C Kalaivanan, Vice Chairman-AeSI BB, Principal, Placement Head, Mr. Ahmed-Jetwings Technologies discussing about the association of AeSI with TOCE for the upskilling of TOCE students



Dhananjay Kumar with Ms. Jukhee Hong, Director Operations-CIMB ASEAN & Ms. Neha Chatterjee, Founder-Wopreneur during ASEAN Meet 2019



Dr. K R Venugopal-Vice-Chancellor, Bangalore University with Placement Head-TOCE during Emurgo launch



Mr. Reynaldo-CEO, Ms.KayCalpoLugtu-COO-Hungry Workhorseand others with TOCE Placement Head



Director-Oxford Institutions& Placement Head-TOCE with Director-VTU(CPC), Dr. K. Gayathri Reddy-Regional Director, VTU

PLACEMENT STATISTICS:



Children's Education Society (Regd.)

# The Oxford College of Engineering

## CAMPUS PLACEMENT RECORD: 2018-19

Company	Offers
Infosys	29
wipro	16
IBM	20
SYNTEL Consider IT Done	19
NTT DATA	14
BYJU'S The Learning App	06
fame TECHNOLOGIES	09
SPOKESLY	05
DoppioGroup	04
Palle Technologies	08
orderful	03
HealthAsyst	03
BOSCH BOT	
DWCtechnology Aryaka	
APTEAN WHERE SOFTWARE WORKS	
COVANCE SOLUTIONS MADE REAL	
KODELAND	
ARTECH 3Embed	
6d Technologies CISCO	
<b>52</b>	

**437** Placed

**93** Companies

Highest CTC	<b>12</b>
	LPA
2 <sup>nd</sup> Highest CTC	<b>10</b>
	LPA
3 <sup>rd</sup> Highest CTC	<b>9.1</b>
	LPA
Average CTC	<b>5</b>
	LPA

Company	Offers
PayPal	32
TATA TATA CONSULTANCY SERVICES	08
LTI	06
WESTLINE Soil Across the World	14
Atta	10
ReeLabs	10
pinclick	06
Quinnox accelerate success	04
amazon	04
3i Molecular Solutions Empower Science. Enrich Life.	03
Simbus Simplifying your Business	03
EY Building a better working world	03
Deloitte.	03
mendios SUTHERLAND	
TeamLease Digital Care	
UNISYS SLK SOFTWARE	
Stratigent virtusa	
SMC pwc	
Mindtree MICROLAND	
SUBEX HARMAN YANA	
<b>63</b>	

## KEY CLIENTS



Children's Education Society (Regd.)  
**The Oxford College of Science, Commerce, Management, Arts, Law**  
Recognised by the Govt. of Karnataka, permanently Affiliated to Bangalore University  
Recognised by UGC under Section 2(f) and 12(B) & approved by AICTE, New Delhi  
Accredited with 'A' grade by NAAC  
Accredited by International Accreditation Organization (IAQ)

## Our Recruiting Partners

ORACLE®



IBM

Deloitte.

Infosys®

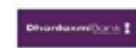
UNISYS



NTT DATA



IGATE  
Specializing in IT, Innovation



[www.theoxford.edu](http://www.theoxford.edu)



## DEPT. OF COMPUTER SCIENCE & ENGG.

Dr. R. Ch. A. Naidu  
HOD



### Accredited By NBA for 3 years

The department of Computer Science and Engineering was started in the year 2000, with an intake of 60, at present the intake is increased to 120 for the four year Under Graduate Program B.E (CSE). The department has two year M.Tech (CSE) program with an intake of 18. The department also has a VTU recognized R&D center. The UG programme of the department was accredited by NBA for the first time in the year 2007 for 3 years and it was reaccredited in the year 2016 for 3 years and renewed in 2018 for 3 years (2018-2021).

The department has highly qualified teaching faculty members with various specializations in Computer Science and Engineering to provide value based training and skills needed for the students in the software industry. The goal of the department is to provide students with a habitat that helps them to go on to top graduate programs and careers in cutting-edge companies. The Department has well equipped state-of-the-art infrastructure facilities to carryout various real time projects, research and consultancy activities in recent technologies. The Department has received funded projects in various government agencies. The department has good number of research publications and patents. The Department has an excellent placement track record in various multinational companies' offers with high salary packages. The department is also accredited by NAAC.

### STAFF ACHIEVEMENTS:

- Dr. R. Ch. A. Naidu HOD the Department of CSE has obtained a project grant of Rs 6,83,000 from PRERANA- AICTE for the project titled "Skill & Personality Development Programme Centre", 2018-2019
- Dr. E. Saravana Kumar Associate Professor has obtained a project grant of Rs 5Lakhs from VGST for the project titled "cloud based automatic street lightening system in Attibele Industrial area and rural areas".
- The Dept of CSE has obtained a project grant of Rs 22,98,824 from AICTE for the project titled "Skill & Personality Development Programme Centre"

### 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 computer science.**

### MISSION

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

### PATENT PUBLICATION:

- Dr. E. Saravana Kumar Associate Professor filed a patent on "System for optimizing 8-dimensional (8D) audio signal in the pair of 3-dimensional(3D) spectacles"(App NO.201941002364A).

### CENT PERCENT RESULTS

- Shobha T, Sowmya H. K, Seema Patil, Sushma T, Sushma G., Jesy Janet Kumari J., Swetha P. gave cent percent results in various subjects in odd and even semester of 2018 - 2019.



Faculties of Dept of CSE with Cent Percent VTU result

### JOURNAL PUBLICATIONS / CONFERENCES:

- Dr. E Saravana Kumar Associate Professor has published a paper titled "Automatic and Intelligent Street Lighting system using IOT and Cloud", Journal of Emerging Technologies and Innovative Research (JETIR), vol 6, issue 5 ISSN:2349-5162 MAY 2019.

- Dr E. Saravana Kumar presented a paper titled "Smart Irrigation system with disease analysis", at the National Conference on Science, Engineering & Management-NCSEM 2K19, organized by The Oxford College of Engineering, Bengaluru, Karnataka, on 8th and 9th May 2019.
- Ms. Shobha T published a paper entitled "Self-Balancing and Obstacle avoiding Robot", at the National Conference on Science, Engineering & Management-NCSEM 2K19, organized by The Oxford College of Engineering, Bengaluru, Karnataka, on 9th and 10th May 2019.
- Ms. Shobha T presented a paper entitled, "Ensemble Neural Network Classifier Design using Differential Evolution", at Alliance International Conference on Applications on Artificial Intelligence and Machine Learning, organized by Alliance University, Bangalore India, April 26-27, 2019.
- Ms. Shobha T published paper "Adaptive strategy operators based GA for rule discovery", online in International Journal of Information Technology, Springer Nature 2019, Springer, New York on 09 April 2019.
- Ms. Seema Patil presented the paper, "Clustering with Modified Mutation Strategy in Differential Evolution", in Alliance International Conference on Applications on Artificial Intelligence and Machine Learning, organised by Alliance University, Bangalore India, April 26-27, 2019.
- Ms. Seema Patil Published paper "Diversity based self-Adaptive clusters using PSO clustering for Crime data", in International Journal of Information Technology, Springer Nature 2019, Springer New York, USA in April 2019.
- Ms. Seema Patil Presented the Paper titled "Rainfall predication using ML Technology", presented and published in proceedings of National Conference on Science, Engineering and Management-NCSEM 2k19, TOCE, May 8-9th, 2019
- Ms. Sowmya HK Presented the paper titled "Web Usage mining Algorithms: A Survey", in Alliance International Conference on Artificial Intelligence and Machine Learning"(AICAAM), April 2019.
- Ms. Sowmya HK Presented and published a Paper titled "Classification Of Diabetic Retinopathy", at the National Conference on Science, Engineering and Management-NCSEM 2k19, TOCE, May 8-9th, 2019
- Mr. Senthil Kumar presented and published a Paper entitled "Alexa based security system using AI and PI camera" at the National Conference on Science, Engineering & Management-NCSEM 2K19, organized by The Oxford College of Engineering, Bengaluru, Karnataka, on 9th and 10th May 2019.
- Ms. Jesy Janet Kumari J published a Paper entitled "A real time hand gesture recognition and human computer interaction system using opencv" has been presented and published in Journal of Emerging Technologies and Innovative Research (An International Open Access Journal) in volume 6 Issue 5 ISSN:63975 May 2019 and Proceedings of National Conference on Science, Engineering & Management-NCSEM 2K19, organized by The Oxford College of Engineering, Bengaluru, Karnataka, on 9th and 10th May 2019.
- Ms. Jesy Janet Kumari J Paper entitled "Designing a secure exam management system (SEMS) for M-Learning environments" has been presented and published in Journal of Emerging Technologies and Innovative Research (An International Open Access Journal) in volume 6 Issue 5, May 2019 and Proceedings of National Conference on Science, Engineering & Management-NCSEM 2K19, organized by The Oxford College of Engineering, Bengaluru, Karnataka, on 9th and
- Mr. Naveen HS Presented a Paper titled "IOT based energy monitoring system", at the National Conference on Science, Engineering and Management-NCSEM 2k19, TOCE, May 8-9th, 2019
- Ms. Latha R Presented a Paper titled "Near real-Time Comprehension Classification with Artificial Neural Network: Decoding E-Learner Non- Verbal Behaviour", at the National Conference on Science, Engineering and Management-NCSEM 2k19, TOCE, May 8-9th, 2019(college)
- Ms. Sushma T Presented a Paper titled "cloud computing fitness for E-Government implementation: importance -performance analysis", at the National Conference on Science, Engineering and Management-NCSEM 2k19, TOCE, May 8-9th, 2019(college)
- Ms. Sushma G has presented a paper titled "Mobile cloud computing in smart cities via randomized algorithm" at the National Conference on Science, Engineering and Management-NCSEM 2k19, TOCE, May 8-9th, 2019
- Ms. Tintuthampi Presented Paper titled "Personalized Travel Sequence Recommendation on multi Source Big Social Media", at the National Conference on Science, Engineering and Management-NCSEM 2k19, TOCE, May 8-9th, 2019(college)
- Ms. Florance presented a paper titled "Android based indoor and outdoor navigation for the visually impaired" at the National Conference on Science, Engineering and Management-NCSEM 2k19, TOCE, May 8-9th, 2019



## SEMINARS/WORKSHOPS ATTENDED BY FACULTY

- Ms. Shobha T, Ms. Seema Patil and Ms. Sowmya H K Attended 5 day FDP on “Machine Learning with Python-A Complete Hands on Approach”, in association with CSI Student Chapter and Xobin Technologies Pvt. Ltd. At New Horizon College of Engineering, Bengaluru, from 7th to 11th Jan 2019.
- Ms. Seema Patil Attended RTCSE’19 SATELLITE SESSION at TOCE, Bangalore India on 3rd January 2019 .
- Ms. Latha R Attended 5 day FDP on “Big Data Analytics”, in association with VTU At New Horizon College of Engineering, Bengaluru, from 21st to 25th Jan 2019.
- Ms. Anjali Rajesh attended workshop on “IOT”, conducted in the premises of VTU Regional Office.

## ON-LINE NPTEL CERTIFICATION EXAMINATION

- Ms. Shobha T and Ms. Seema Patil has successfully completed NPTEL online certification examination during July 2018 – October 2018
- Ms. Shobha T, Ms. Seema Patil, Ms. Sowmya H K, Ms. Jesy Janet Kumari J, Ms. Tintu Thampi P and Ms. Latha R has successfully completed NPTEL online certification examination during Feb 2019 – April 2019
- Ms. Latha R has got Golden Elite in Database Management System during Feb 2019 – April 2019
- Ms. Shobha T has got Silver Elite in Problem Solving in C and Data Mining during Feb 2019 – April 2019

## EVENTS ORGANIZED BY DEPT

- 2 days workshop on “PYTHON -The Practical Approach”, was conducted by the Dept Of CSE, TOCE on 01/04/2019 - 02 /04/2019.
- Expert Lecture on “Iot, Cloud Computing And Machine Learning” was conducted on 18/08/18 for 7th sem students of Dept of CSE by Dr.K.Selvaraj, Technical Architect, Accenture Digital Group LTD, Bangalore



A session on “Iot, Cloud Computing And Machine Learning” by Dr. K. Selvaraj

- A hands on Session on “Java Programming Language” was conducted by the Department of CSE on 11/10/18 for 4th sem students by Mr. Thaneshwara, Corporate Trainer, ABC Software Solutions, Bangalore



Hands on session on Java Programming Language

- A Guest Lecture on “Big Data Analytics And Data Science” was conducted on 25/02/19 for the 8th sem students of CSE by Dr. Venkatesh Sunkad, Head, Insofe, Bangalore



Hands on session on Big Data Analytics INSTITUTE-INDUSTRY INTERACTIONS

- A hands on session on “Career Guidance” was conducted by Mr Saravendu Mishra, Executive Manager, TIME on 19/09/18 for UG and PG students.



Hands on session on Career guidance program

- An Interactive Session On “OOc and Java Programming Language” with real time examples was conducted by Mr. Thaneshwara on 28/02/19 for 4th sem students of CSE.



A hands on Session on OOC and java programming

- A hands on session on “Machine Learning and Data Science” was conducted by Dr. K. Selvaraj and Mr. Rajavel on 23/02/19 for 8th sem students of CSE.



Hands on Session on Machine Learning and Data science

### STUDENT CLUB ACTIVITIES - TOGGLE

Toggle is group established at the Oxford College of Engineering under the guidance of FSMK (Free Software Movement of Karnataka) to create awareness on open source software for the benefits of academic and industry.

Sl. no	Hands on session	Resources Person	Student Participants
1	Introduction and Hands on Session to Web Technology	Mr. Naveen HS, Asst prof, Dept of CSE, TOCE	7th sem
2	Workshop on Javascript	Mr. Shijil FSMK member and Mr Naveen HS, Asst Prof, Dept of CSE, TOCE	7th, 5th sem

3	Workshop on Python	Mr Aman Kumar Pandey, UddipthaPoodar Students, Dept of CSE	2nd and 3rd year students
4	Workshop on DBMS Mini Project	Rijo John Rajan, Swetha Pradeep, Surya Teja Talari Students, Dept of CSE	5th sem
5	Logical Approach to C Programming	RamPrasad, Surya Teja Talari, Uddiptha students, Dept of CSE	1st year students

### STUDENT BEST PROJECTS OF 2019:

- Rijo John Rajan, Sahana Shreedhar Kulkarni, Swetha Pradeep, Surya Teja Talari, of VIII sem; Dr. E. Saravana Kumar, Asst.Professor, Dept of CSE won the first place for the project titled “Automatic And Intellectual Street Lighting System Using IOT And Cloud” in Project presentation in National Conference on Science Engineering and Management conducted by TOCE on 08.05.2019 & 09.05.2019
- Ajay Mourya, DivyangHirpapa, JaykumarSavani, HeenaKouser of VIII sem& Asst. Prof J. Jesy Janet Kumari, Dept of CSE won the second place for the project “A Real- Time Hand Gesture Recognition And Human-Computer Interaction System Using Opencv” in Project presentation in National Conference on Science Engineering and Management conducted by TOCE on 08.05.2019 & 09.05.2019

### Placement Details

NAME OF COMPANY	NO.OF STUDENTS
Infosys	10
Syntel	9
Attrra Infotech	6
Fame Technologies	6
PayPal	6
IBM	4
Wipro	4
Insnap	3
LTI	3
NTT Data	3
TCS	3
VMWare	1
Think and Learn Pvt Ltd	1

**STUDENT ACHIEVEMENTS**  
**VTU RANK HOLDERS**

SEM	USN	NAME	% OF MARKS	RANK
IV	10X16SCS06	Sarawath Unnisa	87%	10th

**STUDENT TOPPERS IN THE YEAR 2018 - 2019**  
**MTECH Toppers for Academic Year 2018-2019**

SEM	USN	NAME	% OF MARKS
I	10X18SCS02	Gayathri R	75%
IV	10X16SCS06	V Ashwini	85%

**BE Toppers For Academic Year 2018-2019**

<b>EVEN SEMESTER - June/July 2018</b>			
SEM	USN	NAME	%
II	10X17CS092	Shivangi Arul	92%
	10X17CS060	Muskan M	91%
IV	10X16CS044	Madhushree P	80%
	10X16CS020	Brinda N Murty	79%
VI	10X15CS114	Talari Surya Teja	82%
	10X15CS055	Megha Agarwal	80%
VIII	10X14CS064	Priyank Gupta	84%
	10X14CS079	Sanna Meer	83%
<b>ODD SEMESTER - Dec 2018/Jan 2019</b>			
I	10X18CS078	Shivakama Sundari K	92%
	10X18CS063	Ruksar Khanum	91%
III	10X17CS104	Tusha M	89%
	10X17CS103	Sumaiya Khanum S	89%
V	10X16CS029	Harshitha S	82%
	10X16CS075	Sandhya R K	80%
VII	10X15CS005	Aishvaryaa Lakshmi S A	70%
	10X15CS085	Ramyra G	
	10X15CS058	Monish L	69%
	10X15CS111	Swathi P	

**SPORTS 2018 - 2019**

- Bhanuprakash and Naveen Kumar V secured first place in the Volley ball tournament held at The Oxford College of Engineering under VTU level.
- Bhanuprakash and Naveen Kumar V secured first place in the Volley ball tournament held at NTTF Diploma College, Bengaluru.
- Naveen Kumar V of IV semester secured First place in shot put and second place in 200 mtr and 400 mtr in TOCE sports meet 2018-2019
- Dhanusha C Namita, Disha, Swetha, Namita C secured First place in kabbadi in TOCE sports meet 2018-2019
- Apoorva of VIII semester CSE secured second place in 100 mtr and 200 mtr running in TOCE sports meet 2018-2019
- Disha, Gowrishree, Namita CSE secured second place in Throw Ball in TOCE sports meet 2018-2019



CSE Winner of Sports meet

**CO-CURRICULAR ACTIVITIES**

Sl. No	Name	Event	Merit
1	Merin	Drawing/ Painting	1st place
2	Namita C & Kavitha	Cooking without fire	1st place
3	BaruvaPraveena & Manvi Pooja	Rangoli	1st Place
4	Ranjana Rajeev	Solo Dance	1st place
5	Varun & Team	Fashion show	1st place
6	Saleem Khan	Mr. Oxfodite	1st place
7	Anagha & Team	Group Dance	2nd place
8	Swajini & Ranjana	Face Painting	2nd place

## LAB DETAILS

WEB/DBMS/CG	
Part No	Description
Area	160 Sq. mt
Desktop Model	1. Intel core2 duo 2. Intel i3 3. Intel Xeon
Memory	8GB, 4GB, 8GB
Harddisk	250GB HDD, 1TB HDD, 500 GB HDD
Conducted Labs	Computer Graphics Lab, Design and Analysis of Algorithms lab, Web Technology Lab, DBMS Lab, Machine Learning Lab



CN/SS AND OS /USP	
Part No	Description
Area	160 Sq. mt
Desktop Model	1.IBM Intel Pentium/IV 2.HP Intel i5
Memory	8GB
Harddisk	1TB HDD
Conducted Labs	Computer Network Lab, SS and OS lab, USP lab



DS/C	
Part No	Description
Area	88 Sq. mt
Desktop Model	Intel Xeon
Memory	8GB,
Harddisk	500 GB HDD
Conducted Labs	Data structures lab, Computer Programming Lab



R & D LAB	
Part No	Description
Area	39 Sq. mt
Desktop Model	HP Intel i5
Memory	8GB,
Harddisk	1 TB HDD
Conducted Labs	softwares for research



## DEPT. OF INFORMATION SCIENCE & ENGG.

Dr. R. Kanagavalli

HOD



### Accredited By NBA in 2007, 2015 and 2018

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

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

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

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

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

### Skill Building Activities

#### i. Cyber Security Training Classes

ISE department with collaboration with AVV Aspire Solutions Pvt. Ltd, Bangalore has conducted Cyber Security Training Programme for the students to understand the basics of Cyber Security AIC (Availability, Integrity and confidentiality) and the different types of cyber attacks.

#### ii. BigData and IOT Training

IOT is changing the way we live, making us more efficient and making our lives easier. Department of ISE in collaboration with AVV Aspire Solutions Pvt. Ltd, Bangalore has conducted BigData and IOT training programme for the students. This training can help to land a job in data analytics & IOT.

#### iii. SOFT SKILL TRAINING

Interpersonal skill relates to employees ability to get along well with others, social graces and communication abilities. ISE department with collaboration with Smart Training Resource India Pvt. Ltd, Bangalore has conducted Soft skill training programme for 2nd, 3rd and 4th year students.

### 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.**

## Department Activities

### i. National Conference 2K'19

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



ISE students participated in NCSEM-2K19



Dr. Mahendra M D evaluating ISE students Project in NCSEM-2K19 Projethon

### ii. Oxforddotsav-2K19, Cultural activities

The importance of cultural activities is preparing students for real life and strengthening their personal and professional skills.



Face-Painting-Winner



Oxfordotsav-2K19, Mehendi competition

### iii. Sports Activities

A sport is commonly defined as an athletic activity that involves a degree of competition, such as Cricket or Football. Some games and many kinds of racing are called sports. A professional at a sport is called an athlete.



Mr. Channappa Gowda D V, Asst. Professor Won 1st Prize in 100mtrs Running.

#### iv. TechFest-Ignite 2K19

Technical Fest plays an important role in the college curriculum. It is one such event where young brains get to showcase their skills and compete with others to find the best.



Participants of Beg Borrow Steal



Ms. Shasikala R V, Asst. Professor PES University as Chief Guest in Kannadake Ondannu Otthi

#### v. EXPERT LECTURE

- Mr.Sathish Reddy, senior software Engineer, Palle Technologies, Bangalore has shared his view on “Mobile Application Development”
- Ms.Kavya, Final year M.Sc, The Oxford Nursing college, Bangalore has conducted Cancer awareness programme for students.



Cancer Awareness Programme for students



Mr. Sathish Reddy Delivering Lecture on Mobile App. Development

### STUDENTS' ACHIEVEMENTS

#### i. KSCST FUNDED PROJECT

- The Project work entitled “Source code generator using speech” by Akshata V Kulkarni, Deekshitha R and Fanoos Fathima from 8th semester was selected as KSCST funded project.



Students showing presentation on “Source Code Generator using Speech” (KSCST Funded Project) in Dhayanandha Sagar College of Engineering.

## ii. VTU BEST PROJECTS

- The Project work entitled “Source code generator using speech” by Akshata V Kulkarni, Deekshitha R and Fanoos Fathima from 8th semester was selected as VTU best Project.
- The Project work entitled “Smart Helmet with Call Control” by Pooja B S, Reewa R, Sadiya Kausar and Sushmitha N from 8th semester was selected as VTU best Project.

## iii. Extracurricular activities

- Third year students won third prize in “THE HACKFEST 2018, a 24hr hackathon” at SIT,Tumkuru on 29th and 30th september2018



Student team at Siddaganga institute of Technology



Automated parking system for autopilot cars Model

## Farewell Party

Farewell party is more like a memorable way to say goodbye. It could also be likened to a get together where refreshing memory of friends and well wishers is created. Department of ISE conducted the farewell party for the 2015-2019 batch.



Director, Addressing Final year students



Thought sharing by Ms. Kokila

## JOURNAL PUBLICATIONS

- Prof. & Head Dr. R Kanagavalli Published Paper titled “Source Code Generator using Speech” in International Journal of Creative Research Thoughts.
- Prof. & Head Dr. R Kanagavalli Published Paper titled “VIRTULA-The Smart Glass” in International Journal of Creative Research Thoughts.
- Dr.Vinodha K Published Paper titled “Analysis of Load Balancing on Distributed File System for Effective Data Retrieval” in International Journal of Creative Research Thoughts.
- Asst.Prof. Mrs. Suganya Published Paper titled “Emotion Detector for Medical Application” in International Journal of Creative Research Thoughts.
- Asst.Prof. Mrs.Kokila Published Paper titled “A Novel Management System Using Edge Detection Algorithm” in International Journal of Creative Research Thoughts.
- Asst. Prof. Mrs.Visalini Published Paper titled “Be Specific: Abstraction Based Summerization” in International Journal of Creative Research Thoughts.

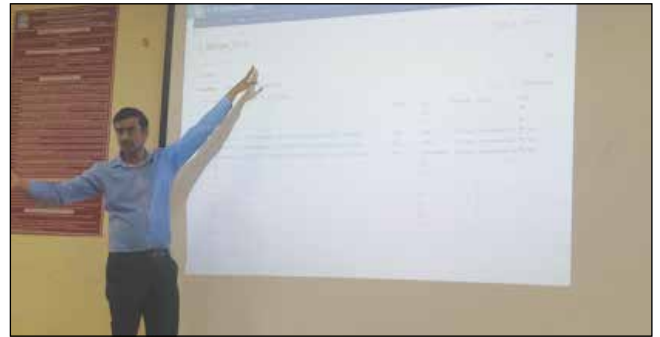


- Asst. Prof. Mrs.Kalaiselvi Published Paper titled “Smart Robotic Garbage Management System” in International Journal of Creative Research Thoughts.
- Asst.Prof. Mr.Yadhu Krishna Published Paper titled “Face Recognition with Low Quality Image Using Slcr” in International Journal of Creative Research Thoughts.
- Asst.Prof. Mrs.Indu Published Paper titled “Air Quality Analysis Using Machine Learning” in International Journal of Creative Research Thoughts.

## CSI ACTIVITIES

### i. Invited Talk

- Mr. Anil Kumar, Senior Software Engineer, Bosch, Bangalore has delivered the lecture on “Agile Software Development”



Mr. Anil Kumar Senior Software Engineer, Bosch, Bangalore, Delivering Lecture on Agile Software Development

### ii. WORKSHOP CONDUCTED

- Mr. Sathish Reddy, Senior Manager, Palle Technologies, Bangalore conducted two days workshop on “Python and Machine Learning”
- Mr. Sathish Reddy, Senior Manager, Palle Technologies, Bangalore conducted two days workshop on “Object Oriented Concepts”



Workshop on “Object Oriented concepts”



Mr. Sathish Reddy from Palle technologies with our Students

## Details of Laboratories :

### 1. Lab 1-Microprocessor and Microcontroller / CCP lab

Area : 160 Sq. mt

**Description :** Desktop- Dell 5 no's,HP 2 no's,IBM 25 Intel core 2 duo, 1GB RAM, 400GB HDD, 10K, Microprocessor Components, All-in-one board 15 no's, CRO 2 no's, Microcontrollers kit 6 no's.

**Conducted Labs :** Microprocessor Lab ,Computer Programming Lab

### 2. Lab 2 – DBMS and WebTechnology Lab

Area : 160 Sq. mt

**Description :** Desktop- Dell 24 no's,HP-8 no, Intel core 2, 1GB RAM, 500GB HDD.

**Conducted Labs :** Database Management systems Lab, Web Technology Lab, Design and Analysis of Algorithms Lab



DBMS and WebTechnology Lab Networks Lab

### 3. Lab 3: DataStructures Lab

Area : 88 Sq. mt

**Description :** Desktop- HP3 no's,Dell-31 no's Intel core 2, 8GB RAM, 1TB HDD, Conducted Labs: Software Testing lab, Data structures lab

### 4. Lab 4: Machine Learning and Networks Lab

Area : 88 Sq. mt

**Description :** Desktop- HP15no's,Dell 17 2no's Intel core 2, 8GB RAM, 1TB HDD, Conducted Labs File structures lab, Computer Networks lab ,Machine Learning Lab



Machine Learning and Networks Lab

### 5. R&D Lab

Area : 39 Sq. mt

**Description :** Workstations (8) and equipments / softwares for research D Link 8 Port switch(1No), IoT Kit(2 No)

## DEPT. OF ELECTRONICS AND COMMUNICATION ENGG.

Dr. Manju Devi

HOD



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

### Program Educational Objectives:

**PEO 1:** Graduates apply their knowledge of mathematics and science to identify, analyse and solve problems in the field of Electronics & Communication to develop sophisticated communication systems.

**PEO 2:** Graduates to design and build up interdisciplinary systems by solving core engineering problems in communication systems which are technically sound, economically feasible and socially acceptable.

**PEO 3:** Graduates exhibit desire for life-long learning which directs them to obtain thorough knowledge in their chosen fields and motivate them for higher studies/research.

**NBA Expert team visited ECE Department on 3rd, 4th and 5th May 2019.**

### Papers Published By Faculties:

- Manju Devi, Shaikh Afzal Nehal published a paper entitled "Design and Development of Mach Zehnder Interferometer based Optical Sensors to Detection of Arsenic compound in Drinking Water" in International Journal of Engineering & Technology(IJET), 7 (4.38) (2018) 880-884.(Scopus indexed)
- Manju Devi, Bharathesh Patel published a paper entitled "A Novel Low Power MUX based Dynamic Barrel Shifter using Footed Diode Domino Logic" International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN:2278-3075, VOLUME-8, ISSUE-6S3, April 2019 (Scopus indexed )
- Manju Devi, Snehapriya published a paper entitled "Highly Secure Advanced Encryption Standard using Vedic Mathematics and Visual Cryptography" at Journal of Emerging Technologies and Innovative Research, volume 6,issue-5,May2019,(UGC Approved journal).
- Preeta Sharan published a paper entitled "Performance Evaluation of Counter Circuit for Reversible ALU using QCA & VHDL" in Journal of Engineering Science & Technology (JESTEC), a SCOPUS & WoS Indexed Journal, Vol:14, Issue: 02 , Apr 2019, ISSN No: 1823-4690, PP No: 784-796

### 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.**

### Program Specific Outcomes:

**PSO1:** An ability to understand the basic core courses of Electronics & Communication Engineering and to relate them to various areas of application like Communication Systems, Control System, Signal processing, VLSI and Embedded Systems.

**PSO2:** Should have capability to apply modern tools to analyse and solve complex designs with optimal solutions for various real-world applications.

**PSO3:** Excellent adaptability to changing work environment with good leadership qualities and zeal for social and environmental well-being.

- Preeta Sharan published a paper “Performance Analysis of a Universal Circuit for Reversible ALU using QCA & CMOS Technology” in International Journal of Engineering & Technology (UAE), a SCOPUS Indexed Journal, 03-04 Jan, 2019, at Hawaii, USA, ISBN No: 978-81-938900-8-0, PP No: 40.
- Preeta Sharan published a paper entitled “Detection of Liver Cancer using Lab-on-chip based Optical Biosensor by Nano Activity Sensing Hole” in IJRTE Journal, ISSN:2277-3878,volume 7,Issue -4S2,December 2018
- Preeta Sharan published a paper entitled “Design and implementation of crossbar scheduler for system on chip network in quantum dot cellular automata Technology” in Internet Technology Letters, Wiley Publications, Page 26, 2018.
- Chrispin Jiji, Nagaraj R published a paper entitled “A novel imaging system for underwater haze enhancement” in International journal of information technology ISSN: 2511-2104 April 2019, Springer.
- Chrispin Jiji, Nagaraj R published a paper entitled “An underwater image enhancement via wavelet domain gradient guided filter” in International journal of engineering and technology ISSN: 2227-524X March 2019, Scopus Vol 7, Issue 38,944-949.
- Sowmya Padukone.G presented a paper entitled “Optical signal confinement in an optical sensor for efficient biological analysis by HQF achievement” in IEEE conference ISBN:978-1-5386-43440-ICICSS,September 2018
- Sowmya Padukone.G presented a paper entitled “Identification of cellular components present in blood and detection of Cancerous cells by using optical based Bio sensor” ISSN:1439-7358-ICCVBIC-Springer,Dec 2018
- Sowmya Padukone.G published a paper entitled “Scientific application of forensic science for detection of criminal and different diseases using optical biosensor”, ISSN: 2278-3075, Vol 4-Issue 683, April 2019, Scopus.
- R.Bhargav Rama Gowd S, S.Thenappan, Giriprasad M.N ,published a paper entitled “Link based routing Algorithm for the desired quality of service of a network” in International Journal of engineering and advanced Technology,Vol 8,Issue 4,April 2019.
- R.Bhargav Rama Gowd,S, published a paper entitled “An optimal bandwidth assignment approach for minimum blocking probability for optical network routing” in Journal of advances in Research and Dynamical control systems”, Dec 2018

#### WORKSHOP/SEMINAR/CONFERENCE/FDP ORGANIZED BY DEPARTMENT

Sl No:	Title of Session	Speakers	Date
1	Satellite session on “Recent trends in Computer Engineering and Electronics”-RTCSE-2019	Dr. Preetha Sharan-Session Chair	03/01/2019
2	Workshop on Mentor Graphics and Xilinx	Mr. Vijendra, Application Engineer, coreEI technologies, Bangalore	15/03/2019
3	Technical talk on “Fiber Optical Networks”	Dr. Rakesh Bharya, Managing Director, Eagle Photonics private Limited, Bangalore	16/04/2019
4	Technical Talk on “Fabrication of Optical Sensors”.	Dr. Gopal Hegde, Professor, CeNSE Lab, IISc, Bangalore	15/04/2019
5	Technical Talk on “Higher Education Abroad”.	Mr. Suresh Gowda, Managing Director, EStudy Abroad, Sydney, Australia	19/02/2019
6	Technical Talk on “Abroad Studies”.	Mr.Anup Dubey	05/03/2019
7	Guest Lecture on “Effective uses of resources for research”	Mr. M.S.Srinivas, Training Manager, EBSCO Info. Sevices Pvt.ltd	04/02/2019
8	Technical training for Python, Machine Learning and SQL	Mr. Lokanatha Palle, Palle Technologies	25/02/2019
9	NBA Awareness and mock visit	Dr. Shiva Leelavathi	15/4/2019



Satellite session of 4th International conference on Recent trends in Computer science and Electronics



Guest Lecture by Dr. Gopal Hegde, Prof. IISc.



Dr. Rakesh Barya addressing the gathering



Alumni meet-2K19

### Student Achievements

- Final year students Anu S and Aishwarya S has secured second prize for their project entitled "Automation of fuelling station with embedded system and RFID Technology integrated with IOT, in State level student technical symposium, on 13th April 2019.
- Pawan Kumar Reddy and group guided by Dr Preeta Sharan received funding for their project "Wearable Hand for Amputees" from KSCST.
- Pawan Kumar Reddy A P, B N Srividya, Nivin M, Akshatha Ashok Banakar, and Vedik R secured third prize for their project "Bionic Hand for amputee's , in the 4th National level project competition IEEE Project Expo-2019,GSSS Institute of Engineering and Technology for Women on 29th April 2019.
- Rishab, Prathibha G.Vikas R.S secured first prize for the paper titled "E-vision for Visually Impaired" in National level Tech Fest conducted in AMC Engineering College, Bangalore.
- Kiran B.V, Albert James, D.Chandan Krishna, B.Darshan published the paper entitled "Smart Steerings in automobiles for safe driving" in IJARIIT on May 2019
- Final year students Akshatha, Anusha K, Asha Latha, Sumalatha received second prize for the Best Project Award for the project titled "Smart device for soldier Emancipation" in the National conference-NCSEM-2K19.
- All batches had presented their papers at NCSEM -2019 and participated in "Projethon" held at The Oxford College of Engineering.

- Almost 60 final year students of our Department got placed in reputed companies like IBM, HP, Q Spider, Infosys, NTT Data, TCS, and WIPRO with excellent packages.

### VTU Exam Toppers:

<b>First Year</b>	Nisarga B	90%
<b>Second Year</b>	Muhammed Hashim Iqbal Husain	84.06%
<b>Third Year</b>	Yashodha L	82.88%
<b>Fourth Year</b>	H.K.Pruthvi	88.95%

### Faculty Achievements:

- Three faculties Mr. Piruthviraj, Mr. Sridhar N and Ms. Reema Sharma completed their Ph.D from R&D, Department of ECE.
- A patent is filed for ICMR project in partnership with TOCE.
- Dr ManjuDevi is DC member for VTU students at KSIT and MCE Hassan.
- Dr Preeta Sharan was recognized and awarded on International Women's day by Maldeev Ambassador Dr. Joseph on 8th March 2019 at Garden City University Bangalore.
- Dr Preeta Sharan delivered a talk on Quantum information Technology in East West institute of Technology on 25th February 2019 sponsored by EENSA and ISTE and also delivered a talk on Nano Photonics on 2nd March 2019 at MCE Hassan.
- Student IEEE Photonic chapter has been approved for TOCE.

- Ms. Sowmya Padukone.G has received Best Paper Award in an IEEE Conference held at Francis Xavier Engineering College, Tirunelveli, Tamilnadu, on December 13th and 14th, 2018.She has completed Doctoral Committee-I viva-voce.
- Ms. Chrispin Jiji completed Doctoral Committee-II viva-voce.

#### Faculty Achievements (Cent Percent Result):

SL. NO	FACULTY NAME	SUBJECT NAME/SUB CODE
1	Dr. Manju Devi	Management and Repreneurship (15ES51)
2	Dr. Preeta Sharan	Wireless Communication (10EC81)
3	Dr. Sridhar N	Management and repreneurship(15ES51)
4	Mr. Jayaraj	Network Security(10EC832)
5	Ms. Lakshmi R	Verilog HDL(15EC53)/ ARM $\mu$ C and Emb. Systems(15EC62)
6	Ms. Laya Tojo	Verilog HDL(15EC53)
7	Mr. Richard Lincoln Paulraj	Operating systems(15EC553)
8	Ms. Sajithra Varun	Satellite Communication (15EC755)
9	Mr. Bhagav Ramagoud	Multimedia munications(15EC741)

#### Co-Curricular Activities:

- College had conducted intra college Annual Sports Meet on 26th April 2019 where in faculty and students participated actively.
- Alumni meet was conducted in the Department on 20th April 2019.
- Our department had organized two technical events for "Ignus-19", which was conducted on 22nd and 23rd March 2019.
- The Department of ECE hosted the Singing Competition (off stage event) on 3rd April 2019.
- Students of ECE department had bagged overall championship in Oxfordotsava-2k19, Cultural Fest organized by the college on 20th May 2019.



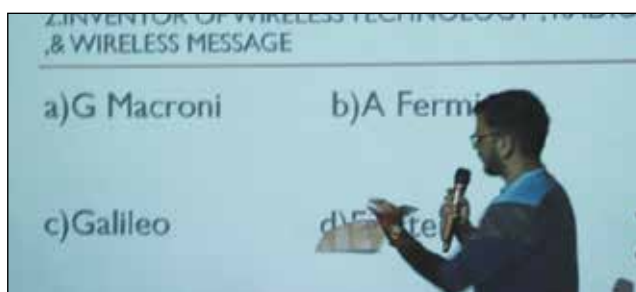
ECE team with Oxfordotsava-2K19 Championship Trophy



Singing Event organized by ECE Dept



IGNUS-19 Retaliation team



IGNUS-19 Arcania Event

- The eighth semester had celebrated Farewell hosted by their juniors on 24th May 2019.



Final Year B.E Students (2015-19) on Farewell Day

## LAB DETAILS

The department has well equipped laboratories such as Analog Electronics, Digital Electronics, Power Electronics, Computer Networks, DSP, VHDL, VLSI, ARM Embedded Controller and Research/Project lab. Licensed version of software's like MATLAB, Mentor Graphics etc. are installed in these labs. The department has a Research & Development Lab with Funded Projects from several agencies like NRB, VGST, and ICMR etc.



Analog Electronics Lab



Power Electronics Lab



HDL Lab



Advanced Communication Lab



Project Lab



Digital Electronics Lab

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG.

Dr. V.S.Bharath

HOD



The EEE Department was established in the year 2001 with an intake of 60 students for the UG program (BE). At present the intake has been enhanced to 120 students, a Post Graduate program (M.Tech) in Power Electronics course started in 2008 with an intake of 18 students and VTU Research Centre has also started in 2014 and has seen good progress as many scholars have registered for Ph.D. The 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 three years from **2018 to 2021**. The department is also accredited by **NAAC**.

### Program 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.

### 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.**

### INDUSTRY INTERACTION

In order to ensure academic & industry compatibility, we have MOUs with the following companies

1. Venjay Automation, Bangalore.
2. Prolific Systems and Technologies Pvt. Ltd., Bangalore.
3. Axis Global Institute of Industrial Training (AGIIT), Bangalore.
4. Think & Ink Education and Research Foundation, Bangalore

### GUEST LECTURES

- Awareness about GATE/IES, PSU Examinations on 06/03/19 by Mr. Jaiprakash Rao, Vani Institute Bangalore.
- Recent Advances in Drives by Mr. Ganesan, CEO, Adroit Solutions Bangalore on 04/04/2019
- Recent trends in Industrial Tools and Techniques by Mr. Uday Bhargav, Entrepreneur and Alumni of TOCE on 11/08/2018.
- Skills requirements for core companies by Mr. Mohammed Haakim, Business development manager, Energy Tech Solutions, Bangalore on 19/09/2018.



- Industrial Automation and Robotics by Mr. Parauram, Business Development Engineer, AGIIT, Bangalore on 12/10/2018

### Value Added / Career Oriented / Technical Training Programmes:

1. Pre-Placement Technical training on **“PLC, SCADA and Embedded”** was conducted from 18/2/2019 to 23/2/2019 for VIII Sem students by Axis Global Institute of Industrial Training.
2. **Soft-Skill Training** was organized and conducted in the department from 14/03/2019 to 16/03/2019 for IV semester students by Seventh sense Talent Solutions.
3. **Soft-Skill and Aptitude Training** for Academic year 2018-2019 for VII semesters students was organized and conducted in the department from 3/10/2018 to 11/10/2018. The training was part of skill development for the students which would help them in their career and their placements.
4. **Soft-Skill Training** was organized and conducted in the department from 25/03/2019 to 29/03/2019 for VI semester students by Smart Training Systems Bangalore.



Pre-Placement Technical Training

### EVENTS CONDUCTED IN DEPT:

#### WORKSHOPS/CONFERENCE

- NCSEM – 2K19 & Projethon – Project Expo & Exhibition conducted by TOCE from 08/05/2019 – 09/05/2019
- Applications of Matlab / Simulink for PV / Wind Based Systems on 19/11/2018 – 20/11/2018



NCSEM-2K 19 Poster Presentation Sessions



NCSEM-2K19– Paper Presentation Sessions



Lecture on Recent Trends in Industrial Tools and Automation by Mr. Uday Bhargav



Lecture on Industrial Automation and Robotics by Mr. Parauram

### SEMINARS/WORKSHOPS ATTENDED BY FACULTY MEMBERS

- Dr. V. S. Bharath participated in One week workshop on **“NBA/NAAC Accreditation Process for Technical Institutions”** under Share and Mentor Institutions (Margadarshana) Scheme sponsored by AICTE from 10th to 14th December 2018, organized at M.S.Ramaiah Institute of Technology, Bangalore.
- Sandhya Rai, Devi Vighneshwari, Sumitha T.L attended One Week Faculty Development Program on **“Optimization Technique for Control Systems and use of Artificial Intelligence in Power System”** organized at SJBIT, Bangalore from 23/7/2018 to 28/7/2018.

- Mrs. Viji. K attended workshop on “**Industrial Automation**” in New Horizon College of Engg., Bangalore during 29/01/19 to 31/01/19

#### **Papers Published by Faculties:**

- Dr. V. S.Bharath, has published an paper on Improvement of Power Quality by Intelligent Controller for Grid Connected PV System”, in International Journal of Technical in Modern Engineering and Science (IJTIMES), Volume 4, Issue 7, July 2018, Impact Factor 5.22, ISSN: 2455-2585.
- Dr. V. S. Bharath, has published an paper on “Evaluation of Grid Connected PV System for Enhancement of Power Quality”, in Intelligent Controller Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 11, November 2018, Impact Factor 5.87, ISSN: 2349-51.
- Prof. Jayakumar N, has published an paper on “Decoupled Control Technique of DFIG with Dual PWM Converters for Wind Power System using MATLAB/Simulink”, in International Research Journal of Engineering and Technology (IRJET), Volume 5, Issue 12, December 2018, Impact Factor 7.211, ISSN: 2395-0072.
- Prof. Someswari. T, has published an paper on “Novel Framework for Navigation using Enhanced Fuzzy Approach with Sliding Mode Controller”, in International Journal of Electrical and Computer Engineering (IJECE), Vol.8, Issue 6, pp.4310-4320, December 2018, ISSN: 2088-8708
- Prof. Prakruthi Parthasarathy, Prof. Madhuri. C & Prof. Anoop H K published an paper on “A Control Scheme for UPQC for Power Quality Improvement”, Institute of Research and Journals, 19th May 2019.
- Mrs. Shruti, published an paper on “Frequency Based Design of Electric System for off shore Wind Power System”, in Advances in Science, Technology and Engineering Systems Journal (ASTESJ), Vol 4 Issue 2, 20th March 2019, ISSN:153-161

#### **Cent Percent Results**

- Dr. Bharath VS, Prof. N. Jayakumar, Devi Vighneshwari. B, Viji. K, Muniyappa. N, Someswari. T, Sumitha. T. L, Nalina Kumari. A, Vinutha. Y. E and Anoop .H.K gave cent percent results in various subjects in odd and even semester of 2018 – 2019.

#### **NPTEL Certification Examination:**

- Sandhya Rai, Devi Vighneshwari, Nisha C. Rani, Viji. K, Someswari .T, Sumitha TL and Resna S R has successfully completed NPTEL online certification examination during July 2018 – October 2018

- Sandhya Rai and Nisha C. Rani has successfully completed NPTEL online certification examination during Feb 2019 – March 2019
- Sandhya Rai has got Golden Elite in Fundamentals of Electrical Engineering during July – October 2018
- Nisha C. Rani has got Silver Elite in Microprocessors and Microcontrollers during Feb 2019 – March 2019

#### **STAFF ACHIEVEMENTS:**

- Dr. Bharath V.S published a Patent on “Smart Stabilizer for Saving Energy”, Patent No.201841043204 dated 8th February 2019.
- Dr. Bharath V.S has been appointed as BOE Member for Department of Electrical and Electronics Engineering in VTU for Academic year of 2018-2019.
- Mrs. Viji. K, completed her Colloquium on Feb 9th 2019 under the Guidance of Dr. R. Nagaraj and Dr. Anil Kumar in TOCE.



Mrs. Viji.K, Assot Prof, Dept of EEE – Completed her Colloquium on Feb 9th 2019

#### **Other Departmental Activities:**

- Alumni Meet: On 9th June 2018 Alumni Meeting was arranged and many students participated and shared their views and ideas to improve the department and also to enhance the placement opportunities for their juniors.



Alumni Meeting

### Cultural Activities:

- EEE Department organized Dasara Cultural Program and performed Dandiya Dance which is held on 17/10/2018. Also conducted Cooking without fire and hair styling in college fest and Devils segue and buzz wire in Ignus 2K19.



Performance of Dandiya Dance in Dasara Cultural Programme



Cooking without Fire - College Day

### PLACEMENT ACTIVITIES

Few Placement Details in Reputed Companies	
NAME OF COMPANY	NO. OF STUDENTS
VEE Technologies	04
Infosys	2
Attra Info tech	1
Ramp Technologies	1
AGIIT	10



### Best Papers of NCSEM 2K19

Amrutha. P. S, Deepa. R, Anusha. S. Bansari, Namitha .A of VIII sem & Prof. Viji .K, Assot. Prof, Dept of EEE won the first place in Paper presentation in National Conference on Science Engineering and Management conducted by TOCE on 08.05.2019 to 09.05.2019

### STUDENT ACHIEVEMENTS

#### Student Toppers in the year 2018 - 2019:

EVEN SEMESTER - June/July 2018			
SEM	USN	NAME	%
VII	10X14EE038	Jeneffer S	80.13
	10X14EE094	Shrayana Shetty	79.33
VI	10X15EE061	Priyanka Naik	83.625
	10X15EE003	Akshaya K	82
IV	10X16EE029	Nikitha M	85.12
	10X16EE071	Swati Sunil Kumar Karalgikar	83.37
II	10X17EE003	Abhishek V	84.85
	10X17EE055	Sagar D	82.57
ODD SEMESTER - Dec 2018 / Jan 2019			
VII	10X15EE027	Geethashree K A	82.37
	10X15EE061	Priyanka Y Naik	82
V	10X16EE029	Nikitha M	79.5
	10X16EE070	Swathi .H	79.37
III	10X17EE055	Sagar D	87.37
	10X17EE061	Shruti A	84.37

I	10X18EE014	Dildar Bashir Kumar	84.12
	10X18EE013	Deepa K	81.75

### Best Projects of 2019:

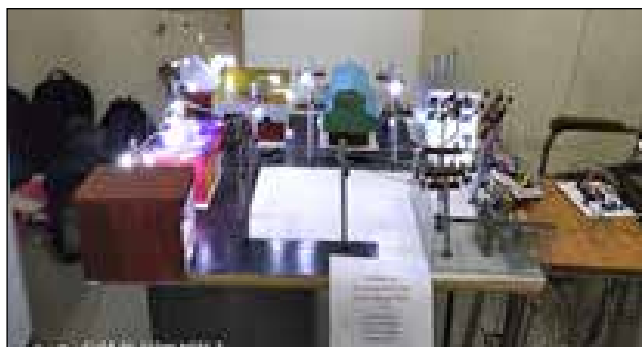
- Design and Implementation of Smart Bin management System done by Aishwarya. P, Chandrababu T N, Hemanth R, Supritha KS - students of VIII sem & Prof. N. Jayakumar, Assot Prof, Dept of EEE is selected as the innovative project for the year 2018 - 2019
- Design and Development of Fault Detection and projection System for a 3 Phase Overhead Transmission lines done by Aafnanulla, Goutham G, Ummehaani Students of VIII Sem & Prof. B.Devi Vighneshwari, Assot. Prof, Dept of EEE is selected as the innovative project for the year

### SPORTS 2018 - 2019

- Basavaraj, Dhananjaya .SP, Manojkumar of VIII semester EEE secured Runners in Kho Kho conducted by CMRIT on 01/03/2019
- Nayana B U of VIII semester EEE won runner in Kabbadi in VTU intercollege tournament
- Nayana B U of VIII semester EEE won first place in long and High jump in TOCE sport meet 2018 - 2019.



Design and Implementation of Smart Bin management System



Design and Development of Fault Detection and projection System for a 3 Phase Overhead Transmission lines

- Faculties Mr. Anoop H K and Mrs. Maduri won second place in 100mts running in TOCE sport meet 2018 -2019.



Nayana BU - Kabaddi in VTU inter college



Basavaraj, Dhananjaya S P & Manjkumar - Kho Kho, CMRIT



Mr. Anoop .H .K - 100mts Running



Mrs. Maduri .C - 100mts Running

## LAB DETAILS

There are 2 laboratories well equipped with networking facility and also software packages such as MATLAB, Mi-POWER, ORCAD & PSPICE, AutoCAD for Electrical Drawings and Code Composer Studio for DSP Applications. There are 2 Electronics laboratories for performing experiments based on Power Electronics and Digital experiments for both UG and PG students. The department also has 2 Machine Laboratories and 1 High Voltage Laboratory for UG students for performing experiments based on Electrical Machines.



Basic Electrical Lab



Machines lab



High Voltage Lab



Control System Lab



Power System  
Simulation Lab

## DEPT. OF MECHANICAL ENGG.

**Dr. G Madhusudan Reddy**  
HOD



### DEPARTMENT PROFILE

A Guest Lecture on “Heat and Mass Transfer and Its The Department of Mechanical Engineering in The Oxford College of Engineering is a flagship Department of the college. The Department was started in 2000, and since then the Department has been buzzing with activities viz., seminars, workshops, technical quiz, invited guest lectures, industrial visits, conferences etc., that enhance the employability of our students. The faculties of the Department are cherry-picked and they are experts in their own field. The students admitted in the Department are well trained both theoretically and practically to face the real world. Industry internship has been made compulsory for the students. At the end of four years of study, the students are made industry-ready to take the bull by the horn. Also, many graduates from the Department have acquired higher degrees from reputed universities abroad. The alumni of the Department are spread all over the world contributing significantly for the well-fare of the humanity. The students of the Department have brought laurels to the institution by winning many medals at the university and state level sports competitions. The students are encouraged to participate in co-curricular activities and competition.

### CONFERENCE/WORKSHOP/FDP ORGANIZED:

SL. No	NAME OF THE FACULTY	TITLE OF THE PAPER	JOURNAL/ CONFERENCE	ISSN/ISBN/IF/H/ CITATION INDEX
1	Mr. Anup M Upadhyaya	Grating Based Pressure Monitoring system for sub aquatic application	Springer Publication – International Journal of Information Technology	ISSN:2511-2112
2	Mr. Anup M Upadhyaya	Sensitivity Improvement and Opto Mechanical Analysis of Composite Material Using Fibre Bragg Grating sensor	International Journal of Engineering Technology - UAE(Scopus)	DOI:10.14419/ijet.v7i4.36.23777

### VISION

**To become a center of excellence providing state of the art Engineering education in Mechanical Engineering and making individual to be capable of building nation in the new millennium.**

### MISSION

**Mission 1: To provide an excellent teaching and learning process for the students to meet the needs and standards of the current industries and higher learning process.**

**Mission 2: To promote research and development activity in the recent emerging trends of the Mechanical Engineering Department.**

**Mission 3: To provide the students with good communication skills, life-long learning, team spirit and leadership qualities to face the current society.**

## FUNDED PROJECTS

Three projects approved by KSCST under SPP scheme were given funds worth Rs.20,000. All the projects were successfully completed & displayed at Dayanand Sagar College of Engineering on 18th of May, 2019.

Sl.No	PROJECT TITLE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs)
1	Road Side Dust Cleaning Machine with Conveyor Mechanism	Asst.Prof. Shivasheshadri	Mr. Divakar.A	10,000
2	Drainage Cleaning Machine	Asst.Prof. Raghavendra N	Mr. Mallaiah	6,000
3	Neonatal Blood Pressure Measuring System using Micro Opto Mechanical System based Sensor	Asso.Prof.Vidyadhar Pujar	Mr. Santhosh Hosamani	4,000



Road Side Dust Cleaning Machine With Conveyor Mechanism



Drainage Cleaning Machine



Neonatal Blood Pressure Measuring System Using Micro Opto Mechanical System Based Sensor

### KSCST Funded Projects

## DEPARTMENTAL ACTIVITIES

- During the academic year 2019, the Department has conducted the following activities: Technical talk, Workshop Activity, Mini Project Exhibition, Alumni Meet, Farewell & Technical Fest.
- Out of the above mentioned activities Technical Talk, Workshop & Mini Project are certificate oriented, the certificates are issued to the participants after the completion of the program.
- The Department has been encouraging students to know about modern trends of technology and about higher studies curriculum.

## INDUSTRIAL VISIT

SL.NO	DEPARTMENT	NAME/PLACE OF INDUSTRY VISIT/ EDUCATIONAL TOUR	DATE OF VISIT	NUMBER OF STUDENTS PARTICIPATED	CO-ORDINATORS
1	MECHANICAL	PAVAGADA SOLAR PARK	30th March,2019	44	Prof. Rangu & Prof. Syed



Industrial Visit To Solar Power Park: Pavagada on 30-3-2019

### TECHNICAL TALK

Sl. No.	Topic	Date-Month-Year	Institution/Company Name	% of students
1.	Global Awareness in Higher Education	21-02-2019	VANI INSTITUTE	70%
2.	Industrial Automation and Robotics	10-10-2018	AGIIT	84%

- A technical seminar on “Global Awareness in Higher Education” was conducted by VANI INSTITUTE on 21st of February, 2019 for Eighth semester students.
- A technical seminar on “Industrial Automation and Robotics” was conducted by AGIIT on 13th February, 2019 for Sixth semester students.
- The program was co ordinated by Prof. Raviprakash M



Technical Talk On Global Awareness In Higher Education 21-02-2019



Technical Talk On Industrial Automation and Robotics On 13-2-2019

### WORKSHOP ACTIVITY

- A one day workshop was conducted for all the faculties regarding the usage of HYPERMESH to solve complicated meshing problems with minimum processing time
- An idea about the advantages of using the HYPERMESH software over ANSYS Meshing which is currently being used for analysis. The program was co ordinated by Prof.Vidhyadhar Pujar



One Day Workshop on Hypermesh by Mr.Ravipraksh. MP of Design Techsys for Faculties Conducted on 24-5-2019





## MINI PROJECT EXHIBITION

- Department focuses on Project Based Learning, students of all semesters are encouraged to carry out mini projects by applying the knowledge gained in their theoretical studies. This semester about 20 Mini Projects were carried out by the students.
- At the end of semester an exhibition of these projects were carried out.
- All the staff members were given mementos for their efforts in guiding the students who did a phenomenal job in displaying many innovative projects. The co-ordinator was Prof. T.V.Nagaraja

SL.NO.	STUDENT NAME	PROJECT TITLE	GUIDE NAME	SEMESTER & SECTION
1	S.S. Shiva guru Moorthy, Shivanandan N, S. Rahul Athreya & R. Sanjay	C.N.C. Drawing Machine	Dr. Madhusudhan Reddy & Prof. Abhijith	7th-B
2	Somashekar, Arun, Srinivas, Thippesh, Gajendra & Nagarajappa	Metal Bender	Prof. Prasad Naik & Prof. Vidyadhar poojara	5th-B
3	Srilal, Subramanya, Goutham, AppaRao & Kevin Wesley	Demonstration Of flow measurement using notches	Prof. Raghu, Prof. Rangu & Prof. Rahul	5th-A

## ALUMNI MEET

- An Alumni meet was held on 30-3-2019. As a token of appreciation for being a part of the Department & attending the meet, mementos were given to all the alumnis and during the same day the present 8th semester students were honored and awards were given to them. The program was co ordinated by Dr.Madhusudhan Reddy & Prof.Rahul
- Best Outgoing student award was given to S.S Shiva Gurumoorthy .



Mini Project Exhibition held On 22-05-2019



Group Photo The Alumni With The Faculty Members Of Department & The HOD



S.S Shiva Gurumoorthy Receiving The Best Outgoing Student Award

## FAREWELL

- The Principal & the HOD addressed the students and wished the students for a bright future
- A grand send off was given to the outgoing students by the students of fourth and sixth semesters which ended with a photo session which included the final year students, HOD and the faculties of the Department. The program was co ordinated by Prof.Suhas V & Prof.Abhijith M



Inaugural Speech Given By Principal & HOD



Group Photo Of Final Year Students, HOD and Faculties Of The Department

### TECHNICAL FEST

- Pictionary, SKIT & DRAMA, were the activities organized by the Department for the technical fest.
- Assistant Professors Prof. Shivasheshadri and Prof. Suhas V have played a vital role in making the activities held by the Department a huge success.



Pictionary Event Organized By The Student Committee



Technical Fest Co-ordinators Prof. Shivasheshadri and Prof. Suhas V

### SPORTS

- Apart from academic activities the Department is also encouraging extra co-curriculum activities.
- The students are encouraged to participate in the inter branch sports activities. Inter college sports activities participation is also encouraged.
- Our student participated in sports like Hockey, Kabbadi and other events. The institute has indoor stadium facilities.



Inter-College Sports Meet

## Details of Laboratories :

### 1. Workshop Lab

**Area:** 227 Sq. mt

**Description:** Engineering Workshop lab having Electric arc welding equipment's, Fitting equipment's. Students will learn to demonstrate and produce different types of fitting models. Gaining knowledge in development of sheet metal models and understanding their applications. Performing soldering and welding joints and understanding the basic workshop practices.

**Conducted Labs:** Workshop



### 2. CAED Lab

**Area:** 227 Sq. mt

**Description:** Lab is well equipped with computers in the Department and are used to teach industry oriented softwares like solid edge and CAM Software. Students will able to create solid parts in the software's and they will able to do assembly operations.

**Conducted Labs:** CAED, CAMD, CAE



### 3. Material Testing Lab

**Area:** 227 Sq. mt

**Description:** Material Testing Lab is having Universal Testing Machine, Compressive Test Machine, Impact testing Machine, Furnace, Brinell, Rockwell and Vickers's Hardness testing machines and different types of testing machines. Students will acquire experimentation skills in the field of material testing.

**Conducted Labs:** Material Testing Lab



### 4. Foundry and Forging Lab

**Area:** 227 Sq. mt

**Description:** Foundry and Forging Lab consist of Split pattern, Match plate pattern and Core boxes, foundry tools, forging tools, Sieve Analysis machine, permeability meter and Universal Sand Testing Machine. Students will gain the knowledge and necessary skills to perform sand testing and preparation of moulds, metal forging operation.

**Conducted Labs:** Foundry and Forging Lab.



### 5. CIM Lab

**Area:** 227 Sq. mt

**Description:** The lab is well equipped with computers and having ANSYS software – Mechanical APDL, CIM Machining Software. Students will able to demonstrate the basic features of an analysis package, Using the modern tools to formulate the problem and able to create geometry, apply boundary condition to solve problems of bars, truss, beams, plate to find stress with different loading conditions.

**Conducted Labs:** ANSYS Lab, CIM Lab



## 6. Machine Shop Lab

**Area:** 227 Sq. mt

**Description:** Machine shop Lab consists of lathe machines, grinding Machines, Shaping Machines, and Milling Machines for students to understand the various machining operations. Students will be able to understand the cutting tool parameters of single point cutting tool & multipoint cutting tools.

**Conducted Labs:** Machine Shop Lab



## 7. MMM Lab

**Area :** 113 Sq. mt

**Description:** Lab is provided with Screw Gauge, Vernier Calipers, Optical Sets, Bevel Protractor, Sine Bar, Sine Center, Tool Maker Microscope, Gear Tooth Micrometer, and Optical Flats. Students will be able to understand the basic measurement units and able to calibrate various measuring devices and express error and correction factors of various measuring devices.

**Conducted Labs:** MMM Lab



## 8. FM Lab

**Area :** 227 Sq. mt

**Description:** Lab is equipped with Orifice meter, Nozzle Meter, Venturimeter, two stage reciprocating air compressor, Pelton Wheel, Francis Turbine & Kaplan turbine. Students will be able to determine the coefficient of discharge of flow measuring devices and energy flow pattern through the hydraulic turbines and pumps.

**Conducted Labs:** FM Lab



## 9. Energy Lab

**Area:** 227 Sq. mt

**Description:** Lab is provided with two stroke engine, four stroke engine, valve timing, and viscosity measuring instruments. Students will be able to determine the properties of fuels and oils and test basic performance parameters of I.C. Engine.

**Conducted Labs:** Energy Lab

## 10. Heat Transfer Lab

**Area:** 227 Sq. mt

**Description:** Heat and Mass Transfer lab consists of vapour compression testing machine, vapor compression air conditioner, heat exchangers, vapor compression Refrigerating machine. Students will be able to practically relate to concepts discussed in the Heat & Mass Transfer course and determine the thermal conductivity and heat transfer coefficient in various materials.

**Conducted Labs:** Heat Transfer Lab

## 11. Deign Lab

**Area:** 227 Sq. mt

**Description:** Design lab is equipped with Gyroscope, strain rosettes, Governors, strain gauge, journal bearing, Porter and Hartnell Governor, Strain rosettes. Students will be able to relate the concepts discussed in Design of Machine Elements, Mechanical Vibrations & Dynamics of Machines courses and understand the working principles of machine elements such as Governors, Gyroscopes.

**Conducted Labs:** Deign Lab

## DEPT. OF BIOTECHNOLOGY

Dr. B. K. Manjunatha

HOD



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

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

### 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 interrelate biotechnological solutions for present day challenges**

### Programme Educational objectives (PEOs) of the Department:

1. To endow students with basics of mathematics, life sciences and engineering necessary to analyze and solve scientific problems.
2. To provide students with the necessary instructions and relevant practical experience combined with exposure to and adequate training to face basic challenges in Biotechnology.
3. To inculcate scientific temperament in students to pursue and engage in research projects related to health, food and environment.
4. To prepare students with efficient communication skills, team spirit and leadership qualities and awareness of professional conduct and mould them into responsible and competent engineers.
5. To empower students to work in scientific environment with ethical values and social responsibilities.

### Programme Specific Outcomes of the Department (PSOs):

1. Graduates will gain and apply knowledge of Science, Biotechnology and Engineering concepts in order to design and perform the experiments followed by validating the data to solve complex problems in the multidisciplinary research fields of Biotechnology.
2. Graduates will be able to analyse, appraise and develop technologies to address the Biotechnology Engineering problems while keeping in mind safety and ethical factors to safeguard the environment and society at large.

## Faculty achievements

Dr. B.K. Manjunatha has been appointed as the Chairman of Board of Examiners (BOE) for the Department of Biotechnology under VTU for the academic year 2018-19.

## Funded projects

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".

## Journal Publications

Faculties and students of the department are actively engaged in research and publish their work in peer reviewed Journals.

1. Dr.B.K.Manjunatha (2019). In vitro and In vivo Evaluation of Anti-inflammatory Potency of Mesua ferrea, Saraca asoca, Viscum album & Anthocephalus cadamba in Murine Macrophages Raw 264.7 Cell Lines and Wistar albino rats, Beni-Suef University Journal of Basic and Applied Sciences, 2018, 719-723.
2. Gangadhar Gouripur (2019). An Investigation into the Influence of Filler Piper nigrum Leaves Extract on Physicochemical and Antimicrobial Properties of Chitosan/ Poly (Vinyl Alcohol) Blend Films. Journal of Polymers and the Environment. 1-19.

## Faculty List for 100% result (2017-2018- ODD & EVEN)

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

SL. NO.	FACULTY	SUBJECTS
1.	Dr. B.K. Manjunath	Biobusiness & Entrepreneurship, Upstream Bioprocess Technology
2.	Mr. Divakara. R	Molecular Biology, Immunotechnology
3.	Ms. Salma Kausar	Structural Biology, Cell Culture Techniques, Microbiology, BioSensors & Bioinstrumentation, Forensic Science
4.	Mrs. Valarmathy. K	Cell Biology & Genetics, Bioprocess Control & Automation, Economics & Plant Design

## Conference/workshop attended by Faculty

1. Dr. B.K. Manjunatha and Mr. Divakara R presented a poster on "Evaluation of Antibacterial, Anti-Inflammatory, Antioxidant and Anti-Cancer Potential of Plant Extract from Spondias pinnata and Pimenta dioica" at 11th KSTA conference "New Vistas in Science and Technology on Common Good" organized by NMKRV College for Women, Bengaluru in association with KSTA Govt. of Karnataka on 1-2nd February 2019.
2. Mrs. Sabitha Anand attended a workshop on "Plant Tissue Culture Techniques" at Biocentre, Department of Horticulture, Hulimavu, Bengaluru, from 28th January till 2nd of February.
3. Ms. Ranjitha M.A. presented a poster on "Molecular Cloning of  $\beta$ -galactosidase" at 11th KSTA conference "New Vistas in Science and Technology on Common Good" organized by NMKRV College for Women, Bengaluru in association with KSTA Govt. of Karnataka on 1-2nd February 2019.
4. Ms. Ranjitha M.A. presented a poster on "Molecular Cloning of  $\beta$ -galactosidase" at 14th Conference of Society of Cytologists and Geneticists organized The Department of Biotechnology, Bapuji Institute of Technology, Davangere on 6th-8th March 2019.

## 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:

1. Afiya Kousar, Gagana B, Neha H L, Punya L Gowda and Rakshith K S of 7th semester attended Student Development Programme on "Micro-array Data and NGS Sequencing Data Analysis and Applications in Drug Discovery" organized by Dept. of Biotechnology, Sir MVIT, Bengaluru on 6th - 10th August, 2018
2. Chaitanya R of 7th semester, B. Siddharth, Goutham M and Devi Varapasad of 5th semester participated in "Open source support & access to research" conference organized by OSPF, NIAS at IISc, Bengaluru on 11th Aug, 2018
3. Anusha S, Aishwarya A, Sumalatha M, Saima Jamal, Purvika C, Kunalika MH and Sushma of 3rd semester has attended two days workshop on Algal Bloom Imaging National Level Annual Tech Symposium "Phase Shift" on 15th - 16th September 2018 organized by BMS College of Engineering, Bengaluru



Staff and students at 11th KSTA-2019 conference at NMKRV College for Women, Bengaluru

4. Preetham A of 3rd semester has attended One-day Training on "Biofuel Production and Characterization" on 28th September 2018 organized by Centre of Excellence for Energy Research, Center for Waste Management, Sathyabama Institute of Science and Technology, Chennai
5. Anusha S, Saima Jamal, Arpitha K, Pavan Vignesh U, Anoop M, Krishnadev V and Akshay S of 3rd semester attended two days symposium on "Regulatory Affairs & GMP in Biopharmaceutics" organized by Dept. of Biotechnology, Acharya Institute of Technology, Bengaluru on 26th - 27th October 2018
6. Annapoorna Devi, Noorayisha Khanam, Sonia V, Jeevitha K, Keerthana M, Preethi KP, Goutham M and Krithika of 5th semester attended two days symposium on "Regulatory Affairs & GMP in Biopharmaceutics" organized by Dept. of Biotechnology, Acharya Institute of Technology, Bengaluru on 26th - 27th October 2018
7. Afiya Kousar, Gagana B, Neha H L, Punya L Gowda and Rakshith K S students of 7th semester has attended "Pre-event workshop on nanotechnology" organized by BMS College of Engineering, Bengaluru on 27th November 2018.
8. Arpitha K of 4th semester presented a poster on "New trends in biotechnology and 14th conference of society of cytologists and geneticists", Bapuji Institute of Engineering and technology, Davangere, from 6-8th March 2019.
9. Manoj S and V Ashwin and Nikhil P of 8th semester presented a poster on "Extraction of Biodiesel from Kigelia pinnata" at 11th KSTA conference "New Vistas in Science and Technology on Common Good" organized by NMKRV College for Women, Bengaluru in association with KSTA Govt. of Karnataka on 1-2nd February 2019.
10. Rakshit K S of 8th semester presented a poster on "Evaluation of Antibacterial, Anti-Inflammatory, Antioxidant and Anti-Cancer Potential of Plant Extract from Spondias pinnata and Pimenta dioica" under the guidance of Dr. B.K.Manjunatha and Mr. Divakara at 11th KSTA conference "New Vistas in Science and Technology on Common Good" organized by NMKRV College for Women, Bengaluru in association with KSTA Govt. of Karnataka on 1-2nd February 2019.
11. H Geethabai & KalaSai sarvani of 8th semester participated in Applied Bioinformatics workshop organized by InARI, Bengaluru, from 4th -5th Feb 2019.
12. H Geethabai & KalaSai sarvanini of 8th semester participated in Genome to Drugome workshop organized by InARI, Bengaluru, from 27th -28th March 2019.

#### Extra -curricular activities Students' participation

1. The Department of Biotechnology hosted an event called "Lip Read Your Partner" for the Annual State Level Technical Fest "Oxford IGNUMS 2K19". Students from various in-house departments as well as from other colleges across Bengaluru participated and made it a big success.
2. The Department of Biotechnology organized Face Painting and Nail Art competitions for the Annual Cultural Fest "OXFORDDOTSAV 2K19". Dept students bagged First prize in Group Dance and Solo Dance.

#### Biox-Forum

The Department encourages the students to make scientific models for better understanding of the subject. This semester the Department Organized an Intra-Departmental biomodelling competition "Bioresonance-2K18" on 2nd November 2018 on "Sustainable environment, Cell biology and Unit Operations". The following students emerged as the winners:

Sl. No.	Name of the winner	Place secured	Semester
1	Akshat Jaiswal, Gowtham M and B R Siddharth	I	V
2	Ashwathi C, Jasmine Mary, Yashaswini B A	II	
3	Lavanya P, Prathyusha Pedapati, Preethi K P, Soniya V and Krithika S	III	
4	S Komalesh, Aksay V Nair, Dhanush P, Atul Anand Gupta, Purushotham Rao, Rahul N and Preetham	I	III
5	Saima Jamal, Anusha S, Ishwarya A and Sumalatha	II	
6	Arpitha K, Gamyashree K and Harshitha T	III	



Intra-Departmental Biomodelling Competition- Bioresonance-2k18

The department of Biotechnology organized “BRAHMATATSATVA” on 28th February, 2019 to celebrate National Science Day. The gathering was addressed by Dr. Udayana Hegde from Karnataka Samskrit University. He enlightened the staff and students, the importance of Sanskrit and the age old practices followed by our ancestors. Many of our students presented posters on “Contribution of Ancient India Towards Medicine”.



Glimpses of Brahmatsatva

### Guest Lectures

The modern education system has made guest lectures an important part of their learning strategies. Students get to see the insight and perspective of the guest speaker's particular field. One important benefit that is derived from having a guest speaker is the enhancement of the students' educational experience. Moreover, it is a great way for the students to get maximum exposure as guest speakers talk about their real life experience and not what is there in the textbooks. The Department has organized various guest lectures for the benefit of its staff and students. They are as follows.

1. An expert lecture on “Career with SAS” by Ms. Neha Jain from Eduvercity, Bengaluru, organized by the Department on 22nd February, 2019.
2. A lecture on “Stem cell therapy and banking” by Dr. Bhuvanesh Pandey from Ree Labs, Mumbai, organized by the Department on 23rd March, 2019.
3. A lecture on “Problem based learning for skill enhancement. Skilling through industry needs” by Dr. Rajinikanth Vangala, Director, InARI, Bengaluru, organized by the Department on 28th August, 2018.
4. An expert lecture on “Unravelling the molecular basis of Parkinson's disease” by Dr. Davis Smith from Molecular and Cellular Biology, Sheffield Hallam University, UK, was organized by the Department on 10th September, 2018.



- An expert lecture on “Advances in UV Spectrophotometer with special reference to Nanodrop technology – Live demonstration” by Dr. Jayachandran from Lab India Analytical Instruments, Bengaluru, was organized by the Department on 20th September, 2018.
- A lecture on “Advances Profile Mentoring” by Mr. Jagadish R, Senior Business Development Associate, BYJU’s (Think & Learn Pvt. Ltd), Bengaluru, was organized by the Department on 8th October, 2018.
- A lecture on “Isolation, characterization and biological screening of natural compounds using biochemical assays” by Mr. Sidharth Dubey, Managing Director, Cell Kraft Technologies, Bengaluru, was organized by the Department on 2nd November, 2018.

### Research Activities

Following are the achievements of the Research Centre of the Department of Biotechnology:

- Dr. B. K. Manjunatha, HOD & Dean Research, Department of Biotechnology, 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 “.
- A product called “Petrozap”, which degrades hydrocarbons in the oil spills, was developed by Dr. B.K. Manjunatha.
- Third “National Conference on Science Engineering and Management” was effectively organized on 8th and 9th May, 2019. The meeting gave a chance to students to introduce their research findings and discoveries.
- The department has many projects funded by external agencies like KSCST, BIRAC, VGST, NIF, DBT, NRB, DRDO, VTU etc.
- The Department has various research publications in reputed journals.

### Internships for Students

- Arpita K of 4th semester underwent internship at Maharani Lashmi Ammani College for the project titled “Antiinflammatory activity of plant extract on rat pawedema on January 2019.
- Gowtham of 6th semester underwent internship at Aspartika Biotech Pvt Ltd for the project titled “SFE and insilico studies on dyeing agents for color coccon production” on January 2019.

### 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 visits were organized to InARI, Bangalore on 31st August, 2018; Cellkraft Biotech Pvt Ltd, Bangalore, on 14th September 2018 and to Entrepreneurship Garage, Incubation Cell, Jayanagar, Bengaluru on 9th April 2019 accompanied by the department staffs.

### Academic Performance

The 2018-19 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 – 94%
- Overall pass percentage of IV semester – 91%
- Overall pass percentage of II semester – 80%

### Student Toppers' List

Semester	USN	Name of the student	Percentage (%)
VIII	10X14BT002	Aishwarya B	82.0
	10X14BT001	Aditi M	80.0
VI	10X15BT045	Umme Hani	78.0
	10X15BT016	Kala Sai Sarwani	77.0
IV	10X16BT002	Ananya Omprakash	87.0
	10X16BT014	G Prateeksha	78.75
II	10X17BT038	Saima Jamal	87.6
	10X17BT004	Anusha S	86.9

## Rank Holders

1. **Ms. Aishwarya B (10X14BT002)**, student of 2014-18 batch secured **9th Rank** in VTU.
2. **Ms. Shravya Velamala (10X15BT041)**, student of 2015-19 batch secured **62nd Rank** in GATE 2019.

## Placement

Aptitude Development and soft skills training sessions are conducted for all programs of UG by trainers experienced in corporate orientation. Our students got placed in Ree Labs Pvt Ltd, Mumbai, 3i Molecular Solutions, IBM, Qspider and PayPal.



Outgoing Batch of 2018-19 - Department of Biotechnology



Placement drive 2018-19

Congratulations to all students who got placed and took a step closer to the corporate world

## Alumni Meet

Interaction of the students with the graduated class of the department gives knowledge of modern industrial environment and its difference from the academics. It additionally helps us to get feedback on the course, which thus encourages the department to implement the feedback from the alumni in the curriculum. Therefore, the department organizes alumni meet for every academic year thereby giving a chance for the students to interact with the graduated batch. In this context the Department of Biotechnology organized its alumni meet on 1st September, 2018, which indulged in encouraging a connection between the graduated class and the present students.



Department Alumni Meet

## LABORATORY DETAILS

### Lab 1- Unit Operations lab/Bioprocess control & automation lab Equipments available:

- Gyrotory sieve shaker
- Batch sedimentation apparatus
- Diffusivity measurement apparatus
- Batch distillation setup
- Tray drier
- Vaccum filter or leaf filter setup
- Apparatus for pressure drop through packed bed
- Equipment for studying pressure drop in two phase flow in horizontal pipe
- Heat transfer in packed bed
- Pressure Measurement Trainer Module (ITB - 016 - CE)
- Pressure Process Controller CE (VPPA-40 CE)
- Air compressor with storage tank - ELGI Flow process Controller -ce (VFPA-201- CE)
- Single Tank system
- Two tank non - Interacting system
- Thermocouple Module (ITB - 05 -CE) with thermometer
- Two tank - Interacting system
- Flow Measurement trainer (VFMT - 01)
- Equipment for unsteady state flow studies



UNIT OPERATIONS LABORATORY

## Lab 2 – Heat & Mass Transfer Lab

### Equipments available:

- Pipe friction apparatus
- Centrifugal pump test rig / AC motor
- Orifice meter, Venturimeter & Rota meter calibration set up
- Bernoulli's theorem apparatus
- Settling apparatus
- Reynolds flow apparatus
- Gas liquid mass transfer
- Wetted wall column apparatus
- York Sceheibel
- Reciprocating pump test rig /ac motor

## Lab 3: Microbiology lab/ Genetic Engg & Immunotechnology lab

### Equipments available:

- Autoclave – 40 lit
- Binocular Microscopes – Lobomed
- Clinical Centrifuge (8 tubes capacity)
- Colony Counter
- Hot air oven
- Bacteriological incubator
- BOD incubator
- Laminar Air Flow – 4x2x2feet
- Refrigerated high speed centrifuge Remi
- Refrigerated high speed micro centrifuge Remi
- Refrigerated orbiter shaker 250ml x 25nos
- Microscope dissecting
- Trinocular microscope
- Vertical gel electrophoresis – mini model
- Immunoelectrophoresis unit (minimodel)
- Immuno electrophoresis
- Western blotting unit
- Tissue homogenizer
- Transilluminator (UV-VIS)
- Thermal cycler – Corbett, Australia



STUDENT HANDLING LAMINAR AIR FLOW CHAMBER IN MICROBIOLOGY LABORATORY



MICROBIOLOGY LABORATORY

## Lab 4: Bioinformatics lab

### Facility available:

- Computers with high-speed internet
- PHYLIP software
- AUTODOCK software
- PYMOL software

## Lab 5: Upstream Processing lab /Downstream Processing lab/ Cell & Molecular Biology lab

### Equipments available:

- Fermentor (Autoclavable)
- Plant Tissue Culture Racks
- Labline make Autoclave
- Orbital Shaker Incubator
- Cyclomixer
- Clinical Centrifuge (8 tubes capacity)
- Magnetic stirrer with hot plate
- Packed bed distillation setup
- Electronic balance ELB 300
- Agitation apparatus
- Rocker- Double platform
- Horizontal submarine gel electrophoresis unit



STUDENTS AT THE PLANT TISSUE CULTURE LAB



PLANT BT LAB



### Biochemistry lab/ Biokinetics & Enzyme Technology lab

#### Equipments available:

- Colorimeter
- Double Distillation Unit
- UV Spectrophotometer
- Heating mantle -2 nos
- Haemocytometers
- Heating mantle-3 lit capacity
- Water bath
- Vaccum Pump
- Batch Reactor
- Mixed Flow Reactor
- RTD in Mixed Flow
- Reactor Plug Flow Reactor
- Temperature effect on denaturation of enzymes

R & D Labs		
Sl. No	Facility name	Details
1	R & D Lab	Research Centre recognized by VTU. Has facilities for animal cell culture studies viz., autoclave, inverted microscope, CO2 incubator, Biosafety cabinet
2	Plant Tissue Culture lab	Tissue culture facilities with sterile conditions for growing algal cultures and ex-plants in controlled environment
3	CCMC Lab under VGST -KFIST	Core i5 processor, 4th gen, Mother board Intel 85FL,Ram transcend 4gb ddr3, Hdd Seagate 1TB,Cabinet I ball Mercury, Logitech keyboard & Mouse, Monitor, Dell18.5" Software - Inventus Drug discovery software, Novo informatics. Pvt. Ltd
4	Centre for Bioremediation & Studies on Microbial Diversity	Fermenter, autoclave, orbital shaker, biosafety cabinet, UV spectrophotometer, incubator
5	Centre for Natural product research	Soxhlet extraction, Water bath, Flash evaporator, Magnetic stirrer



RESEARCH AND DEVELOPMENT – DEPARTMENT OF BIOTECHNOLOGY

## DEPT. OF CIVIL ENGINEERING

Dr. Malleshaiah T.S  
HOD



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

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

### PROGRAM EDUCATIONAL OBJECTIVES:

- PEO 1 – Apply fundamental concepts of Civil Engineering in developing economically viable and sustainable sound solutions
- PEO 2 – To work collaboratively on Multidisciplinary problems.
- PEO 3 – To achieve their professional aims keeping good ethics.

### PROGRAM SPECIFIC OUTCOMES:

Graduates will be able to

- PSO 1 – 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.
- PSO 3 – 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:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.

### 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.**

7. **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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **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.
11. **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.
12. **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.

#### RESEARCH PAPER PUBLISHED

- Gayathri.R, Dr. B.K.Raghuprasad, Dr. Amarnath.K, "Retrofitting Methods for RCC Structures", published in International Journal of Engineering and advanced Technology(IJEAT), Volume 8, Issue 5, June 2019.
- Davda Kara K, Dr. B.K.Raghuprasad, Dr. Amarnath.K, "Response Of RCC asymmetric Building Subjected To Earthquake Ground Motions", published in International Journal of Engineering and advanced Technology(IJEAT), Volume 8, Issue 6.

#### DEPARTMENTAL ACTIVITIES:

- A guest Lecture was organized on the topic of importance of higher education in Engineering or education curriculum in India. The chief Speakers were Dr. Karthikeyan, QEAC certified consultant, TimesPro, For final Year Students.



Dr. Karthikeyan  
Giving Lecture

- A Soft skill Training Classes were held for All the students of Department for duration of one week.



Students attending Soft skill training classes.

- An Extensive Survey Camp was Conducted for the fifth semester students according to the syllabus of VTU, where they were taken to Kaiwara a place in chikballapur district of the state of Karnataka in January-february 2019.



Students attending Extensive Survey Camp Training

#### CONFERENCE OR WORKSHOPS ORGANIZED

- National Conference of science engineering and management which was sponsored by computer society of India, The Institution of Electronics and telecommunication Engineering, Indian Society of Technical Education was organized on 8th and 9th may 2019.

#### CONFERENCE OR WORKSHOP ATTENDED BY FACULTY

- Ms. Sowmya A.R Attended a Two Day Faculty Development Program held at Brindavan College Of Engineering, Bangalore on the topic " Design and Detailing Of RC & Steel Structures " from 13th August 2018 to 14th August 2018.

#### ACHIEVEMENTS OF STUDENTS:

##### ACHIEVEMENT IN SPORTS

- Mr. Satyanarayana and his team won first prize in Kho-Kho, in the inter department sports event held at college for the year 2018-2019.
- Ms. Deepika and her team won second prize in kabaddi in the inter department sports event held at college for year 2018-2019.



- Mr. Sanjay.K.S and his team won second prize in Kabaddi in the Interdepartment sports event held at college for year 2018-19.

#### TOPPERS LIST:

SL NO	SEMESTER	NAME OF THE STUDENT	SGPA
1	1st	AMJID SHOWKAT	9.00
2		MANJUNATHA D N	8.45
3		MANJUNATH GANESH BHAT	7.80
1	3rd	PREETHI S	8.85
2		SWETHA P	8.30
3		RAJESH REDDY M	8.44
1	5th	ANUGRAHA.K	8.19
2		NAGANAVEEN J	8.12
3		NAGASHREE G V	8.04
1	7th	SANDHYAVENI	9.25
2		DHANALAKSHMI B J	9.46
3		INCHARA V R	9.42

#### PG (JAN 2019 /FEB 2019 Results)

SL NO	SEMESTER	NAME OF THE STUDENT	SGPA
1	1	LOKESH.S	77.28
		LOKESH REDDY	67.57
		VINAY N	66.51

#### PLACEMENT DETAILS

- A giant Job giver in Software Sector "Infosys" has hired 1 student of Civil Engineering in Off Campus drive for a package of 3.8LPA.
- A Real Estate Agency Named "PINCLICK" arrived to the college for recruitment drive on 23rd October 2018 and recruited 5 members of final year students for the role of Property Advisor.
- Fifteen Students of final year have been placed in Infidof in Campus recruitment Drive.

#### ACHIEVEMENT OF FACULTY

- CENT PERCENT RESULTS OF FACULTY

SEMES-TER	SUBJECT	FACULTY
B.E 5TH	Computer Aided Building Planning and Drawing	Mr. Prashanth Hathwar T.S and Ms. Ramya A.V
	Air Pollution And Control	Mr. Abhisheka L and Ms.Rajini
	Traffic Engineering	Ms.Krithika
B.E 7th	Hydrology and Irrigation Engineering	Dr. T.S. Malleshaiah
	Design of RCC and Steel Structures	Mr. Shivanand C.G
	Urban Transportation and Planning	Ms. Reshma H.K and Mr. Abhisheka L
M.Tech 1st	Computational Structural Mechanics	Dr. Amarnath. K
	Mechanics Of Deformable Bodies	Mr. Shivanand C.G
	Special Concrete	Mrs. Karuna.S

## LABORATORY DETAILS

Sl. No.	Name of Laboratory	Carpet Area (Sq.mt.)	Major Equipments	Capacity
1	Geo - Technical Engineering Lab	148.45 m <sup>2</sup>	1. Direct shear test apparatus	30
			2. Consolidation Test apparatus	
			3. Triaxial compression Test apparatus	
			4. CBR Test apparatus	
			5. Vane shear Test apparatus	
2	Highway And Concrete Lab	147.71m <sup>2</sup>	1. Tensile Testing Machine	30
			2. Flow table test	
			3. Flexural Testing Machine	
3	Hydraulics and Hydraulic machinery Lab	113.08 m <sup>2</sup>	1. Multistage centrifugal pump	30
			2. Friction Apparatus	
4	Basic Material Testing Lab	73.02 m <sup>2</sup>	1. Universal Testing Machine	30
			2. Hardness Testing Machine	
			3. Fatigue machine	
			4. Impact testing machine	
			5. Torsion testing machine	
5	Environmental Engineering Laboratory	123.35 m <sup>2</sup>	1. Flame photometer	30
			2. UV-visible spectrometer	
6	Survey Practice Stores	63 m <sup>2</sup>	1. Theodolite	30
			2. Total station compass	
7	AUTO CAD Laboratory	150 m <sup>2</sup>	1. E-Tabs	30
			2. Microsoft Project	
			3. Staad Pro	
8	Applied Geology Lab	75.17 m <sup>2</sup>	1. Models	30
			2. Rock samples	
9	Research Center	111.60 m <sup>2</sup>	1. Loading frame	18
			2. Shake table	
			3. Accelerometers	
			4. Vibration absorber	
			5. Rebound hammer	
			6. Ultrasonic pulse velocity apparatus-Profometer	



Survey Lab



Concrete Lab



Environmental Lab



HHM Lab



BMT Lab



Research Centre / Structures Lab



Geology Lab



Geotechnical Lab



AutoCAD Lab

## DEPT. OF AUTOMOBILE ENGINEERING

Dr. K. Sathish Babu  
HOD



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

### PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

1. 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.
2. Graduates shall gain practical knowledge in the working of Automobile Systems, capable of working on indigenous projects, ventures related to automotive discipline.
3. 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.
4. 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)

1. 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.
2. Graduate to work in interdisciplinary environment to design systems with the future emission norms and safety standards in automobile sector.
3. Graduate will be able to pursue of lifelong learning and professional development to face the challenging and emerging needs of our society.

### INDUSTRY INTERACTION

In order to ensure academic & industry compatibility, we have MOUs with the following companies

1. Haddinakal Engineers, Bangalore.
2. Unique precision, Bangalore.

### SPONSORED PROJECTS

- **VGST** : Department of IT, BT, Science & Technology, **Govt. of Karnataka** Grants during the year 2018-19

**Scheme:** K-FIST -Level1

**Project Title:** "Establishing the facility for design, synthesis and characterization of Nano hybrid composites for agriculture applications"

### 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

1. **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**
2. **Encourage students to continuously challenge the existing methods in Automobile Engineering with an intention to align the students towards research.**
3. **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 Co-ordinator: Dr. RAJU B R**

**Professor & Head, Dept. of Automobile Engineering**

**Grant amount: Rs. 20,00,000/-**

- **KSCST PROJECTS, IISc. Campus, Govt. of Karnataka.**
- 1. "Influence of Nano fillers on Mechanical and Tribological Properties of Fiber Reinforced Hybrid composites for Automotive Industry Applications" Under the Guidance Dr. Raju B R.
- 2. Influence of Nano fillers on Glass Basalt hybrid Composites in Automobile Applications" Under the Guidance of Mr Prasanna S M, Asst Professor.

#### **TECHNICAL TALKS**

- Manufacturing using Multispindle Automats given by Mr. M. Shiva Kumar M/S Unique Precision, Bangalore on 8-8-2018
- Overview of Plant layout & material handling equipments Dr. Mahendra M. Dhongadi, Professor & HOD, Mechanical, TOCE on 21-09-2018.
- Automobile Tractor & Construction Equipment Technology Mr. Biju George, Sr. Engineer, Escorts LTD, Bangalore on 26-9-2018

#### **GUEST LECTURES**

- Mechanics of materials and Design of Machine Elements in Engineering Applications Dr. Shanmukha Professor & Dean (Student Affairs), Dept. of ME, RVCE, Bangalore on 10-10-2018
- Fundamentals of Thermodynamics and its Engineering Applications Dr. K. Ramanarasimha Professor & HOD, Mechanical, KSIT, Bangalore on 26-10-2018

#### **Value Added /Technical Training Programmes:**

1. Soft-Skill Training was organized and conducted in the department from 14/03/2019 to 16/03/2019 for IV semester students by Seventh sense Talent Solutions.
2. Technical Training was organized and conducted in the department from 25/03/2019 to 29/03/2019 for VI semester students by ROYOTA Engineering Solutions Pvt. Ltd. Bangalore.
3. NCSEM – 2K19 & Projethon – Project Expo & Exhibition conducted by TOCE from 08/05/2019 – 09/05/2019

#### **FACULTY ACHIEVEMENTS**

- Dr. Raju B R Professor and Head of Department appointed as **BOE-Chairman to the Automobile Engineering Board** for the academic year 2018-2019 by the VTU Belgaum.



Guest lecture conducted in the dept



Industrial visit to skanda machine pvt ltd



Projethon2019-TOCE

- Dr. Raju B R, Professor and Head of Department appointed as **Member of B.O.S. to the Automobile Engineering** for the CBCS Scheme 2018 by the VTU Belgaum.
- Dr. Raju B R, Professor and Head of Department appointed as **Member of B.O.E. to the Automobile Engineering** for the academic year 2018-2019 by Dayananda Sagar College of Engineering Bangalore.
- Dr. Raju B R Professor and Head of Department appointed as **Member of B.O.E. to the Automobile Engineering** for the academic year 2018-2019 by New Horizon College of Engineering Bangalore.
- All faculty members have involved in conducting national conference on Science Engineering and Management in May 2019 held at our college.
- Dr. Raju B R invited as a resource person for the Entrepreneurship Awareness Camp Work Shop held at ACS College of Engineering on 25.03.2019, sponsored by National Science and Technology Entrepreneurship Development of science and Technology, New Delhi. **100 % RESULT ACHIEVERS**
- Dr. Raju B R, Mr. Sandeep k Chavan, Mr. Maruthi S B, Mr Raviteja, Mr. Prasanna S M, Mr. Deepa U S, Mr. Sapthagiri Prasad N

## OTHER DEPARTMENTAL ACTIVITIES:



Alumni Meeting

- **Alumni Meet:** On 16th March 2019 Alumni Meeting was arranged and many students participated and shared their views and ideas to improve the department and also to enhance the placement opportunities for their juniors.
- **Cultural Activities:** Automobile Engg. Dept. organized Ayudha pooja and conducted Hot wheels 2.0 event in the Technical Festival.



Ayudha Pooja in the Dept.



2015-19 Output Batch



Technical Festival-Hot wheels 2.0@TOCE

## PLACEMENT ACTIVITIES

Few Placement Details in Reputed Companies	
NAME OF COMPANY	NO.OF STUDENTS
BYJUS	5
PayPal	3
Royota Engg. Solutions	5
HAYgot Services PVT LTD.	4
Palle Technologies	2



### Best Papers Award in the NCSEM 2K19

Harishree vaishnav, Chetan kumar, Ambadi, Akhil Arjun of VIII sem & Prasanna S M, Asst. Professor won the first place in Paper presentation in National Conference on Science Engineering and Management conducted by TOCE on 08.05.2019 to 09.05.2019

## STUDENT ACHIEVEMENTS



**Mr. Shreyas Shenoy**  
secured 6th rank in VTU Examinations

### Student Toppers in the year 2018 - 2019:

ODD SEMESTER - DEC/JAN 2019			
SEM	USN	NAME	%
VII	10X15AU017	HARISHREE	85
	10X15AU034	PRATHAP SINGH	83
	10X15AU036	RAJENDRAN	82
V	10X16AU030	SPOORTI PATIL	78
	10X17AU404	RAJATH KASHYAP	77
	10X16AU034	SUJAY SATPUTE	77
III	10X17AU034	SHASHANK NAIK	81
	10X17AU017	MOHAMMED MOHSIN	80
	10X17AU018	MOHAMMED THAMEEM	78

I	10X18AU020	SAGAR S MOHAMMAD WAEIZ	67
	10X18AU009	WAEIZ	67
	10X18AU023	SUSHMITH T	66
<b>EVEN SEMESTER – JUNE 2018</b>			
VIII	10X14AU014	MANJUNATH B	88
	10X14AU032	SHREYAS SHENOY	86
	10X14AU023	PRAJWAL R	85
VI	10X15AU034	PRATHAP R SINGH	79
	10X15AU017	HARISREE VAISHNAV	78
	10X15AU045	SIDDHARTHA BANERJEE	78
IV	10X16AU033	SUBRAMANYA G S	72
	10X16AU038	VIGNESH P	68
	10X16AU003	ANIL KUMAR M	67



Department Farewell



Fabrication and building of two wheels drive hybrid scooter

#### Best Projects Award for the A Y 2018-19:

1. Fabrication and building of two wheel drive hybrid scooter done by Aditya kulkarni, Naheem A, Varun H L, Sharath gowda R J students of VIII sem& Prof. Maruthi S B Asst Prof, Dept of AUE is selected as the innovative project for the year 2018 – 2019
2. Development and fabrication of electric dirt bike by swaraj S, Lokesh V, Mithun gowda C G, Sai Rishwanth Students of VIII sem& Prof. Deepak U S, Asst.Prof, Dept of AUE is selected as the innovative project for the year 2018-19

#### SPORTS Awards for the A Y 2018-19

- Abhishek K T of VII semester AUE secured Runners in KhoKho conducted by CMRIT on 01/03/2019
- Mandanna K B of V semester AUE won 1st prize in Hockey in VTU interzonal tournament
- Mandanna K B of V semester AUE won 2nd prize in Hockey in Autumn muse-18 tournament, St. John's Academy of Health Sciences - Bangalore
- Faculties Mr.Prasanna S M won third prize in 100mts running in TOCE sport meet 2018 -2019.



Runners up -Kabadi in VTU inter college at TOCE



Naheem and his team won best project@NHCE

## LABORATORY DETAILS

### 1. Fluid Testing and Fluid Mechanics Lab

**Area :** 160 Sq. mt

**Description:** Flash and Fire point apparatus- Abel, Cleveland and Pensky Martin. Viscometers - Redwood and Saybolt. Weighing scale - 50 ml measuring jar. Thermometers. Carbon residue. Calorimeter - Bomb and Junkers. Cloud and pour point apparatus.

**Conducted Labs :** Fluid Testing and Fluid Mechanics Lab.



### 2. Automobile Engine Components Lab

**Description:** Clutches, Suspension systems, Braking systems, Carburetors, Engines - Two stroke and Four stroke, Steering systems, Differentials, Gearboxes, Lubrication system, Cooling system.



### 3. Automotive Chassis Components Lab:

**Description:** Assemble and Disassemble of chassis components for light motor vehicles (LMV) and heavy motor vehicles (HMV)



### 4. Engine Testing and Emission Measurement Lab

**Description:** Study and testing on MPFI Engine and variable compression ratio engine, Exhaust emission test of S.I. Automotive engine.



### 5. Scanning and Reconditioning Lab

**Description :** Wheel Balancing, Wheel Alignment, Chassis Dynamometer, Cylinder boring and Valve Refacing, Engine Performance Test Rig.

**Conducted Labs:** Scanning and Reconditioning Lab



### 6. Finite Element Modeling and Analysis Lab

**Description:** Desktop- Connoi - 30. Intel(R) Xeon (R) CPU E3-1220 v3, 8GB RAM, 500GB HDD,

**Conducted Labs:** CAED Lab, CAMD Lab, FEA Lab.





## DEPT. OF MECHATRONICS ENGINEERING

Dr.Yashoda B S

HOD



Mechatronics engineering is a multidisciplinary branch of engineering that focuses on electro-mechanical system and also includes robotics, computer control and product engineering. A Mechatronics engineer integrates the principles of mechanics, electronics and computing to generate a simpler, more economical and reliable system. The term “Mechatronics” was coined by Tetsuro Mori, the senior engineer of Japanese company YASKAWA in 1969. An industrial robot is a prime example of a Mechatronics system.

This department started with intake of 60 students in the academic year 2011-12 with well framed curriculum. Since then 5 batches of students are passed with distinguished credentials. Department is well recognized in VTU due to its maximum rank holders.

### Departmental activities:

#### 1. Workshops/conferences conducted:

- A two days' workshop on “HANDS ON TRAINING ON LAB-VIEW AND REMOTE ENGINEERING APPLICATIONS” has been organized by Cymbeline Private Limited at TOCE from 24th and 25th September 2018. The aim of the workshop was to provide knowledge for students in the field of Lab-View and Remote Engineering.



Inauguration of workshop of HANDS ON TRAINING ON LAB-VIEW AND REMOTE ENGINEERING APPLICATIONS from Principal



Students along with the Resource person of Cymbeline innovation Pvt Ltd

#### 2. Workshops/conferences attended by staff members:

- Assistant professor, Mr. Chethan S along with students of fifth semester attended two days hands on training workshop on ANDROID CONTROLLED PICK AND PLACE ROBOT USING AVR CONTROLLER, held at MIT campus, Anna University, Chennai on 6th and 7th October -2018.



Workshop at MIT, Chennai

### 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.**

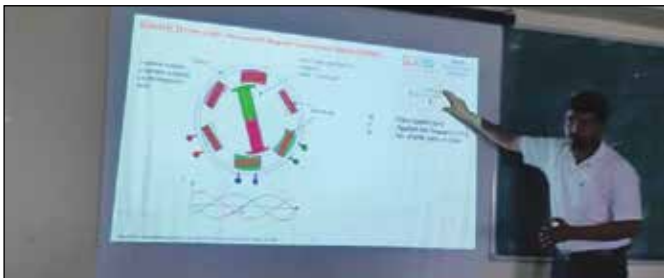
**M3: To prepare graduates with ability to engage in life-long learning and capable of carrying out engineering practice with competence.**

- Professor Dr. Rohini Deshpande attended international conference CECNET2018 as invited speaker. It was hosted by RANGSIT University Thailand from 16th -19th November 2018.



Dr. Rohini Deshpande with the delegates of CECNET2018

3. **Guest/Expert lecturers: Guest lecture on “Power Electronics Applications and Recent Trends in Electric Vehicles”** by Dr.B.Chandra Shekar, Technical lead in automotive business division at TCS, Bengaluru on 27-4-19 under Mechatronics Engineering Dept.



Guest lecture by Dr. B Chadra shekar on “Power Electronics Applications and Recent Trends in Electric Vehicles”

#### 4. Cultural activity:

- Mechatronics Department conducted “Rangoli competition” on 10th April 2019 on occasion of “Oxfordotsava 2k19”.



#### Faculty achievements:

##### 100% result achieved by faculty

SL.NO	NAME	SUBJECT	NO OF SUBJECTS
1	N. Thirumurugan	Hydraulics and Pneumatics(15MT53)+ Automation in Manufacturing(15MT562)+ Industrial Robotics(10MT71)	3
2	Chethan .S	Safety and Security of Automotive systems(15MT753)	1
3	Rajeshwari M	PLC and SCADA(15MT61)	1
4	Rani Aishwarya S N	Artificial Intelligence(10MT753)	1

### Students academic achievements:

- **KSCST Project:** Mechatronics Engineering students project titled “Hexa Farm Bot” has selected and sanctioned for “KSCST 42nd series of students-projects programe 2018-19”.
- Ms. Hanushitha K has secured 1st price in Essay writing competition conducted by Vijaya bank during awareness week 2018.
- Mr. Arnold Sachith Hans has successfully participated in PROTOTYPING TECHNIQUES AND PROCEDUERS organized by CADD CENTER & INSTITUTE OF INDUSTRIAL DESIGN on 25-02-2018.
- Mr. Mohit and Mr. Nitin has secured first place in Mathematics Annual exhibition event at OXFORD MILANA -18 Intra-College Cultural fest held on 12th and 13th of April 2018.
- Students published technical papers in NCSEM 2019.

### VTU Rank Holders(2017-18)

SL. NO	USN	Student Name	Rank
1	10X14MT028	Monica	1st
2	10X14MT022	Kiran S patil	4th
3	10X14MT015	Gajalakshmi	7th
4	10X14MT011	Criton Jose K	9th

### Toppers List of 2018-19 odd sem

SL.NO	SEM	NAME OF STUDENT	USN	%
1	I	Sahana S R	10X18MT025	83.75
2		Skanda Narayan J	10X18MT029	75.13
3	III	Shreya Biradar G	10X17MT035	82.5
4		Vijayalakshmi S	10X17MT033	81.88
5	V	Hanushitha K	10X16MT012	84.1
6		Amoolya G	10X16MT004	82.1
7	VII	Nitin	10X15MT027	79
8		Arnold Sachith A Hans	10X15MT005	78.4

### Students Sports Achievements:

- Students of Mechatronics Engineering secured 1st place in “Throw Ball (Men)” in the year 2018-19 under the leadership of Likith J S, held at TOCE, Bengaluru.
- Students of Mechatronics Engineering secured 1st place in “volley ball (Men)” in the year 2018-19 under the leadership of Likith J S, held at TOCE, Bengaluru.

### Students Participation:

- Dharmendra S has presented a paper in technical fest held at S.I.T,Valachil,Mangalore
- Ajay Yadukrishnan H, Sai Charan K R, Josh Elias Joy, Mohit Bansal , Prathap J and Poojith V has participated in DST-NIMAT sponsored 3 days Entrepreneurship Awareness Camp(EAC) held at MBA Department, TOCE, Bengaluru.
- Prajwal P and Robsom Jani shikari have won 1st prize in Inter-college Zonal tournament-Hockey, on 27th -28th april 2018 held at N.H.C.E.Bangalore.
- Prajwal P and Robsom Jani shikari have won 3rd prize in National cultural and sports fest-Hockey, on 7th -10th march 2018 held at Manipal Institute of Technology.

### Technical training:

- Technical training on “Robotics and Industrial Automation” was conducted to final year students from the period of one week from 18/2/19 to 23/02/19 by AGIIT.



Technical training on “Robotics and Industrial Automation”

### Soft skills training:

- Soft skill training was given for 2nd year and 3rd year students in the academic year 2018-19.



Soft skill training session was given for 2nd year and 3rd year students in the academic year 2018-19.

### Placement Details:

SI No	USN	Name	Company Placed
1	10X15MT017	JOSH ELIAS JOY	TCS
2	10X15MT002	AJAY YADUKRISHAN	DOPPIO GROUP
3	10X15MT014	GAYATHRI DEVI P	PAY PAL
4	10X15MT004	ANUSHA P PRADEEP	PAY PAL
5	10X15MT012	DHARMENDRA	AGIIT
6	10X15MT043	SHYJIN SCARIA	AGIIT
7	10X15MT032	POOJITH V	AMAZON DEVELOPMENT CENTER
8	10X15MT033	PRATHAP	AMAZON DEVELOPMENT CENTER
9	10X15MT018	K R SAI CHARAN	MAKERJACK INOVATIONS IIP

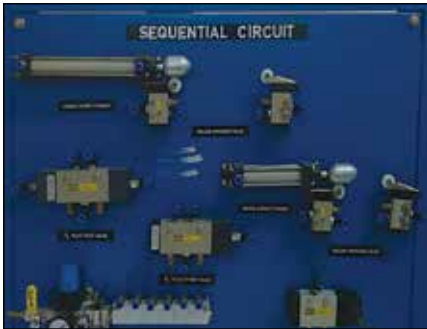
## LABORATORY DETAILS

### 1. ROBOTICS LAB

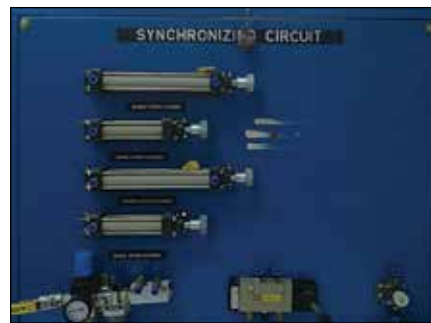


ABB ROBOT IRB 140/6kg

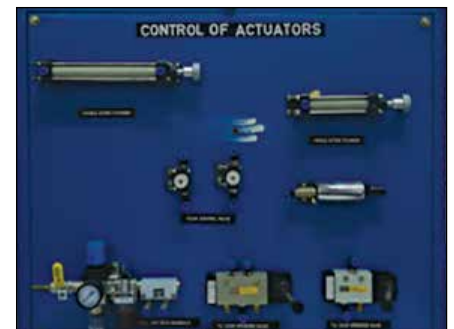
### 2. PNEUMATICS LAB



Sequential circuit



Synchronising circuit



Control of Actuators



Overview of Robotics and Pneumatics Lab

## DEPT. OF COMPUTER APPLICATION

Dr. M S Shashidhara  
HOD



The Department of MCA, which was started in the academic year 2001-02, has excellent infrastructure in terms of digital classrooms, a dedicated MCA Library and a centrally Air- conditioned & Networked computer laboratory. **Master of Computer Applications (MCA) is a 3 Year Post-Graduate, 2 Year-Lateral Entry and MCA 2nd Year Direct Programmes** affiliated to Vishveshwaraya Technological University (VTU), Belgaum, Karnataka, India and approved by All India Council of Technical Education (AICTE), New Delhi. Ranked one of the top 10 colleges in terms of intellectual capital and academic excellence by Business & Management Chronicle magazine in June/July 2014. Conducts IEEE Conferences, National & International Symposiums, Workshops, FDPs and Inter-collegiate Technical Fest Oxytech for nurturing students under Extra-Curricular activities. Organizes Industrial –webinars, Webcasts, Visits & Expert Lectures regularly. Highly qualified & experienced teaching faculties and technical team. Excellent placement trainings, services and recruitments.

### 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.**

### DEPARTMENTAL ACTIVITIES

- VIGILANCE AWARENESS PROGRAMME has been organized in association with Vijaya Bank, HSR layout, Bengaluru. The event was organized on 31st October, 2018 with 3 competitions namely Essay Competition, Poster Presentation & Elocution. These competitions are emphatically aimed to promote integrity, transparency and accountability in public life. The competition was contested among 30 participants from various departments of the college. The Winners were awarded with Cash prizes and certificates in the valedictory function. The Chief Guest was Mr. Shridharmurthy, Deputy General Manager & Regional Head, Vijaya Bank – Bangalore, South. Mr. Vinod Kumar Reddy, Regional Manager (DGM), RO-Bangalore South, delivered the Keynote Address.



- Workshop conducted on 24th September 2018 Rapid Mobile App Development with Android
- SoftSkill Training was conducted from 3rd to 5th October 2018 and from 9th to 11th October (6 days) by Seventh Sense Talent Solutions, Bangalore for 5th sem MCA students.

- Inaugural function of first year classes of MBA,MCA, M.Tech programmes was conducted 22nd October 2018, at 6th floor seminar hall #604, New Block. Sudarshan S A, General Manager , RO, Vijaya Bank was Chief Guest and Mr. Rajah Cathiawad, Manager Marketing, Asia Pacific-Siemens, PLM software was Guest of Honour.
- One day Workshop was conducted on 16th November 2018 Java Technology by Palle Technologies



Teachers day



Workshop Inauguration



Students Learning The Course



Soft skills Training session



Appreciation prize of active Participation



PG Inauguration

**NCSEM-2K19 :Students Participated and won prizes**

Event	Student Name	Prize	College Name
NCSEM-2k19	SADIK AHSAN MAZUMDER	1st	TOCE
NCSEM-2k19	GAUTHAM A	2nd	TOCE

**Seminars/Workshops/FDP Attended**

SLNO.	NAME OF THE FACULTY/ STUDENTS	DATE	TITLE OF THE EVENT	NAME OF THE ORGANIZER
1	Prof. Dharamvir , Prof.J C Achutha, Prof. Mridula Shukla, Prof.Saritha S, Prof.Ashok B P, Prof.. Ushasree Prof.Kimmi Kumari	24th September 2018	Workshop on Rapid Mobile App Development with Android	Dept. of MCA, TOCE
2	Prof.Kimmi Kumari	16th- 20th November2018	Block Chain Workshop	IIM Ahmedabad
3	Prof. Dharamvir , Prof.J C Achutha, Prof. Mridula Shukla, Prof.Saritha S, Prof.Ashok B P, Prof. Ushasree	16th November 2018	Workshop on Java Technology	Dept. of MCA, TOCE
4	Prof. Dharamvir , Prof.J C Achutha, Prof Mridula Shukla, Prof.Saritha S, Prof. Ushasree, Prof.Ashok B P	03rd January 2019	International conference on in Computer science Engineerind or Electronics	Dept. of ECE, TOCE

Research Publications				
SL.NO.	AUTHOR	CONFERENCE/ JOURNAL NAME	TITLE OF THE PAPER	CITATION
1	Prof. Kimmi Kumari	Presented in ICEL3S on 9th ,10th july 2018	A Survey on Bigdata processing: Techniques, issues and challenges	2.7
2	Prof. Dharamvir, Dr. M S Shashidhara	IJCRT Journal on April 2018	A Simple Approach on Controlled venture breakdown approach executor and navigator	5.97
3	Dr. M S Shashidhara, Mannem Ruthvik	JETIR May 2019,Volume 6,Issue 5,NCSEM-2K19 on 8th ,9th May.	Incident Elucidation with Auto Intelligence	MCAC01
4	HM Sadik Ahsan Mazumder, Dharamvir	JETIR May 2019,Volume 6,Issue 5,NCSEM-2K19 on 8th ,9th May.	Credit Card Fraud Detection Using Machine Learning Techniques: A Comparative Analysis	MCAC12
5	Gowtham A, Mridula Shukla	JETIR May 2019,Volume 6,Issue 5,NCSEM-2K19 on 8th,9th May.	A Machine Learning Based Network Sentiment Mining Model for IT- Product Sales Analysis	MCAC21
6	Ganesh Bajanthri, Ashok B P	JETIR May 2019,Volume 6,Issue 5,NCSEM-2K19 on 8th, 9th May.	Deductive mapping methodology tool with live objects	MCAC25
7	Manjunatha SN, JC Achutha	JETIR May 2019,Volume 6,Issue 5,NCSEM-2K19 on 8th ,9th May.	Speech Emotion Recognition based on convolution Neural Network combined with Random Forest	MCAC32
8	C Yashwanth, Ushasree	JETIR May 2019,Volume 6,Issue 5,NCSEM-2K19 on 8th, 9th May.	Sales force Automation and Ticketing System through mobile application	MCAC46

Extra Curricular Activities			
Event	Student Name	Prize	College Name
Essay writing	Nayana	1st	Conducted by Vijaya Bank at TOCE
Poster Presentation	Renuka	2nd	Conducted by Vijaya Bank at TOCE TOCE
Gaming-Counter Strike	Akhil Sai, Yeshwanth	1st	Conducted by CSE,TOCE
Gaming-Counter Strike	Akhil Sai	1st	AMCEC, Blore
Solo -Dance	Shilpa	1st	BIT, Blore

### Placement Details

- Technical training classes are conducted for the students of 4th from 18/3/19 to 25/3/19
- Softskills classes conducted for the students of 4th sem from 14/3/19 to 16/3/19





Soft skills Training



Soft skill training



Technical training

NO. OF ELIGIBLE STUDENTS	NO. ACTUALLY PLACED	
	NAME OF COMPANY	NO.OF STUDENTS
52	Appscrip	2
52	Swiggy	1
52	Techmahindra	1
52	SAP	1
52	Xopio	2



**CONGRATULATIONS TO THE STUDENTS PLACED ON CAMPUS "VRUKSHA TECHNOLOGIES" on 17th June 2019**



Sl.no	USN	Student Name
1	10X16MCA08	HARSHA R
2	10X16MCA13	MEGHANA A
3	10X17MCA71	AKHIL SAI
4	10X17MCA77	SADIK MAZUMDER
5	10X17MCA87	BHAVYA NAGINI
6	10Y17MCA72	GOWTHAM
7	10Y17MCA74	KANCHAN KUMARI
8	10Y17MCA76	KEERTHY
9	10Y17MCA84	SNEHA KUMARI JHA

**Faculty Achievements**

Dr. M S Shashidhara has been appointed as BOS Coordinator for the VTU Syllabus 2018 & BOS for MSc Computer Science, National college Basavanagudi Bangalore.

Mr. J C Achutha won 2nd prize for the Disk through conducted on 25th April. The Oxford college of engineering



Mr. J C Achutha won 2nd Prize for the disk through

Faculties secured 100% result	
Faculty Name	Subjects Handled
Dr. M S Shashidhara	Programming using C
J C Achutha	Big Data Analytics, IOT
Dharamvir	Operating Systems, Mobile Applications
Mridula Shukla	Cloud Computing, Advanced Java
Ashok B P	Software project management,
Ushasree R	.NET,Cyber Security

## Academic Excellence

Internship Awareness Training Programme organized by All India Council for Technical Education (AICTE) Bangalore, Board of Apprentices Training (SR) Chennai was Conducted in The Oxford College of Engineering.

The following AICTE officials and Board of Apprentice Training were part of the presentation

1. Dr.V Krupa Shankar, Board of Apprentice Training (South Region)
2. Mr.Ramesh, Director AICTE, South West Regional Office.
3. DR.Neetu Bhagath, Deputy Director AICTE, Approval Bureau New Delhi.
4. Suresh Babu Regional Head, South India ITC academy.
5. Mr.V S Pandey, Deputy Director Incharge Board of apprentice Training.

The Training program was Successfully conducted at The Oxford College Of Engineering on 25th February 2019. Organized by Director Dr.Amarnath K, Principal Dr.R V Praveena Gowda, Convener HOD MCA Dr. M S Shashidhara. There were around 100 Industries Participated in the Training Programme.



AICTE -Internship training Programme



MOU-South west Scotland University

Research Scholars Chengappa M R bearing USN 10X12PEN02 and Indrakumar S S bearing USN 10X12PEN04 pursuing Phd under the guidance of Dr. M S Shashidhara presented Open Seminar at MCA Dept on 27th March 2019

### OPEN SEMINAR-1: Phd Students presenting open seminar



Mr. Chengappa



Mr. Indrakumar

**NCSEM-2k19 was organized in TOCE** on 8th and 9th May 2019. The convener was Dr.M S Shashidhara-HOD MCA. Prof Dharamvir and Prof J C Achutha contributed in editorial committee. Aluru Seelin Kiran Kumar , Indian space scientist and former Chairman of ISRO was the Chief guest and Viswanadh Akella, co-Founder & CEO of Simply FI SoftTech India pvt ltd was keynote speaker.



NCSEM-2k19

## LABORATORY DETAILS

### LAB-1

Part No.	Description
Desktop Model	HP Compaq 6200 Pro MT PC
Processor	Intel Core Quad Core Processor i5-2400 3.1GHz, 6MB Cache, 4C
Memory	3GB Ram
Hard Drive	320 GB HDD
Optical Drive	No Optical Drive
Monitor	18.5" TFT Monitor



### LAB-2

Part No.	Description
Thin Clients	1 Ghz processor, 128 MB Flash/512 MB RAM, 4 USB ports, one DVI port including keyboard and Mouse, 18.5" TFT Monitor
RDA Lincense	Microsoft terminal licenses for thin clients

### LAB-3

Part No.	Description
Desktop Model	HP Compaq 6200 Pro MT PC
Processor	Intel Core Quad Core Processor i5-2400 3.1GHz, 6MB Cache, 4C
Memory	3GB Ram
Hard Drive	320 GB HDD
Optical Drive	No Optical Drive
Monitor	18.5" TFT Monitor





## DEPT. OF MANAGEMENT STUDIES (MBA)

Dr. Dhanalakshmi R V

HOD



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

### 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.

### ENTREPRENEURSHIP AWARENESS CAMP SPONSORED BY EDI UNDER DST-NIMAT PROJECT ON 28TH, 29TH AND 30TH OF NOVEMBER 2018



The program was conducted for 3 days with the objective of inculcating the Entrepreneurial qualities among the final year Engineering students. Many practicing Entrepreneurs were invited to share their experience.

### CORPORATE INTERACTION BY PROF. LUCAS MARIASAVERY 23rd October, 2018

There was guest lecture by Prof. Lucas Mariasavery who has more than twenty years in developing students towards their goals and objectives. Framing the mindset of the students towards constructive thinking and motivate them to reorganizing their creative skills



**ORIENTATION ADDRESS BY ALUMNI Mr. AKSHAY RAJ**  
23rd October, 2018



Mr. Akshay Raj, highlighting the importance of excelling in academics that forms the stepping stone to better corporate openings.

**ORIENTATION ADDRESS BY ALUMNI Mr. Lisho Rajan**  
23rd October, 2018



Mr. Lisho Rajan, sharing his experience of starting the new venture with Young Managers

**ORIENTATION ADDRESS BY Ms. PREEJA SREEDHAR**  
25th October, 2018



Welcoming Ms. Preeja Sreedhar Corporate Trainer

**INDUSTRIAL VISIT**



The industrial visit to TATA Steel Limited HOSUR

**INDUSTRY ACADEMIA INTERACTION PROGRAMME**  
BY Mr. SHRIDHAR KUBSAD, Manager- Client  
Transnational Insights & Learning, ANZ GRINDLAYS,  
BANGALORE



Shridhar Kubsad, Manager- Client Transnational Insights & Learning, ANZ Grindlays

**INDUSTRY ACADEMIA INTERACTION PROGRAMME**  
BY Ms. PRIYANKA,  
Financial Analyst, BYTE Consulting Pvt. Ltd.,  
Bangalore



**INDUSTRY ACADEMIA INTERACTION PROGRAMME**  
BY Mr. HARSHIT GUPTA,  
SENIOR DIRECTOR - DIGITAL, GROUP M INDIA



Mr. Harshit Gupta Senior Director Digital Group M India, delivering on Digital Marketing.

## AWARENESS PROGRAMME ON PLASTIC FREE CAMPUS 13th December, 2018

The event of "PLASTIC FREE CAMPUS" was organized by MBA students of The Oxford College of Engineering aiming at

1. Creating awareness on the harmful effects of using Plastic.
2. Removal of all plastic items throughout the campus.
3. Giving away paper bags as alternatives.



### ANTI TERRORISM DAY 22nd May, 2019

Anti – terrorism day was organized by the MBA students to create an awareness on Terrorism and its effects by taking an oath



### CELEBRATION OF INTERNATIONAL YOGA DAY 21st June, 2019

On 21st June, 2019 An International Yoga Day was celebrated in the Department of MBA. Mr Dilip Rathore, Yoga Trainer from 'Art of Living', Bangalore, trained the participants on basics of Yoga.



### PUBLICATIONS FROM THE DEPARTMENT:

1. Dr M Kathiravan, Dr. Saikumari and Ms V. Sunita , Evaluation of the effectiveness of employee retention strategies in manufacturing Industry in Indian Perspective ", JETIR, ISSN 2349-5162.
2. Rashmi V. N and Savitha K.P, The Impact of GST on the Financial Performance , JETIR, ISSN 2349- 5162.
3. Bindushree.M and A Sahana A study on Impact of Emotional Intelligence on Quality of Work life , , JETIR , ISSN 2349-5162.
4. Lakshmi .M and Dr R. V Dhanalakshmi, A Study on Evaluating the Effectiveness of Training and Development using Kirkpatrick Model at Ashok Leyland, , JETIR , , ISSN 2349-5162.
5. Shilpa Yadav G. S, Ms Chandrika Reddy ,A Study on Emotional Intelligence and it's Relation with Quality of Work life, JETIR, ISSN 2349-5162.

### FACULTY ACHIEVEMENTS:

1. Dr. R.V. Dhanalakshmi, HOD – MBA received a grant of Rs. 20,000/- from Entrepreneurship Development Institute of India, Gandhi Nagar, Gujarat towards organizing a 3 days Entrepreneurship Awareness Camp at TOCE.
2. Dr. R.V. Dhanalakshmi, HOD – MBA has participated in ASEAN Business Meet – 2019 organized by FKCCI, Bangalore, on 25th – 27th February, 2019.

## STUDENTS ACHIEVEMENTS

College Toppers - I Semester (Batch 2018-20)			
SL.No.	Name of the student	USN No.	Percentage
1	Raksha S	10X18MBA38	72.8
2	Yamuna K C	10Y18MBA56	70.4

College Toppers - II Semester (Batch 2016-18) (CBCS Scheme)				
SL.No.	Name	USN No.	SGPA	Rank (class)
1	Sindhu S	10Y16MBA54	8.17	First
2	Devi DA	10X16MBA21	8.00	Second

### Best Student Projects

SL.No.	USN No.	Project	Faculty Guided
1	10X16MBA39	A Study On price Earnings Ratio on Tool for Predicting the Future Growth	Prof. Sahana A
2	10Y16MBA41	A Study On Cost Optimization For Solar Rooftop Project At Tata Power Solar Systems Limited Bangalore	Prof Savitha KP

### Students Participated And Won Prize

Event	Student Name	Prize	Organized by
AAVARTAN 19 A National level Inter-Collegiate Management Fest	Akshay Krishna & Priya M	1st in Finance	DSATM, Bangalore

### Students Placed 2018-19

SL.No.	USN	Name	Company
1	10Y16MBA21	Maruthi B J	Muthoot Finance
2	10Y16MBA40	Santhosh Reddy C	Muthoot Finance
3	10X16MBA76	Sanjay Kumar H	Muthoot Finance
4	10Y16MBA25	Ragavendra N	Muthoot Finance
5	10X16MBA28	Hemanth N	Muthoot Finance
6	10X16MBA41	Harish M	Muthoot Finance
7	10X16MBA53	MD Jeeshan	Muthoot Finance
8	10X16MBA67	Pradeep CK	Muthoot Finance
9	10Y16MBA70	Vishnu K	Muthoot Finance
10	10Y16MBA25	Ragavendra N	PinkClick
11	10Y16MBAo8	Darshan A	PinkClick

12	10X16MBAo7	Anil Kumar P	PinkClick
13	10X16MBA67	Pradeep CK	PinkClick
14	10X16MBA35	Kavya K	Netconnect
15	10X16MBA47	Manasa	Netconnect
16	10X16MBA39	Lavanya	Netconnect
17	10X16MBAo5	Amit Singh	Netconnect
18	10Y16MBA25	Ragavendra	Lot logistic
19	10X16MBA28	Hemanth N	Lot logistic
20	10Y16MBA17	Kritee Dhakal	Oyo Hotels
21	10Y16MBA11	Divya Bai	Fiedility
22	10X16MBA06	Amit Singh	Fiedility
23	10X16MBA15	Chandan Kumar	Fiedility
24	10Y16MBA28	S Gireesh	Fiedility
25	10Y16MBA12	Emetha Veronica	Fiedility
26	10X16MBA45	Manasa Hanumanthiah	Fiedility
27	10Y16MBA13	Fazila Khanum	Fiedility
29	10Y16MBA55	MD Zeeshan	Fiedility
30	10X17MBA20	Ashwini H G	Extra Marks
31	10Y17MBA26	Bindhu Shri M	Extra Marks
32	10Y17MBA34	Sathish Gowda T N	Extra Marks
33	10X17MBA45	Hemanth Kumar T C	Extra Marks
34	10Y17MBA25	Ranjita Raviraj	Extra Marks
35	10X17MBA56	Lakshmi M	PIN CLICK

### Students Participation in Sports And Won Prize

**MBA Students (Batch: 2018-20) won 1st place in KABADDI- VTU TOURNAMENT organized At The Oxford College of Engineering**

SL.No.	NAME OF STUDENTS
1	Abhishek D M
2	Naresh Babu
3	Shashi Reddy
4	Ram Reddy C B
5	Thejawardhan Reddy R
6	Manikanta H C
7	Anil Kumar G
8	Manoj Kumar A
9	Vishwanath H S



## DEPT. OF ENGINEERING CHEMISTRY

Dr. Surekha M

HOD



### DEPARTMENT PROFILE

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

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

### GUEST LECTURES

- A series of expert talk on the topics -Universal Human Values, Language Proficiency, Personality Grooming and Health Awareness were organized during Induction Program for BE first year students (27/08/18-15/9/18).

### EVENTS CONDUCTED IN DEPT: WORKSHOPS/ CONFERENCE

- NCSEM – 2K19 & Projethon – Project Expo & Exhibition conducted by TOCE from 08/05/2019 – 09/05/2019



NCSEM-2K19 Poster Presentation Session



NCSEM-2K19– Paper Presentation Sessions

### 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.**

### Papers Published by Faculties:

- Prof. Jyoti Shankarrao Kavirajwar, published a paper on “A study into the effect of a new brightener on electro deposition and corrosion resistance of Zinc”, in Journal for Electrochemistry and Plating Technology, September, 2018.
- Prof. Jyoti Shankarrao Kavirajwar, published a paper on “Role of the newly synthesized brightener in modification of surface properties of Zn-Ni alloy electrodeposited on steel substrate”, in Journal for Electrochemical Science and Engineering, March, 2019.
- Prof. Jyoti Shankarrao Kavirajwar, published a paper on “Electrochemical studies of the bright Zn-Ni alloy electrodeposit from acid sulphate bath”, in Journal for Electrochemistry and Plating Technology, March, 2019.
- Dr. Shipra Bhati, published a paper on “Microwave assisted synthesis, antimicrobial activity and in silico pharmacokinetic study of some novel 1', 3', 4'-oxadiazole derivatives”, in Rasayan Journal of Chemistry, Scopus, July-Sep., 2018.
- Dr. Shipra Bhati, published a paper on “Microwave assisted synthesis, antimicrobial activity and in silico pharmacokinetic study of some novel 1', 3', 4'-oxadiazole derivatives”, International journal of Peptide Research and Therapeutics, Springer, July, 2018.
- Dr. Shipra Bhati, published a paper on “Synthesis, biological activities and docking studies of piperazine incorporated 1, 3, 4-oxadiazole derivatives”, Journal of Molecular Structure, Elsevier, April, 2019.

### RESEARCH ACTIVITIES:

- **Prof. Adarsh J.R.**, Asst. Professor, Dept. of Chemistry, Global Academy of Technology, Bangalore was awarded Ph.D. degree, on title “**Kinetics & Mechanism of Amino Acids-** from VTU, Belagavi on **15 Feb.2019** under the guidance of Dr. Surekha M
- **Prof. Shailashree**, Asst. Professor, Dept. of Chemistry, Shiridi Sai Institute of Technology, Bangalore, was awarded Ph.D. degree, “**Kinetics & Mechanism of Halo amids & Imides-** from VTU , Belagavi on **18 Feb 2019** under the guidance of Dr. Surekha M.
- **Mrs. Heney T P** Research scholar Dept. of Chemistry, The Oxford college of Engineering, Bangalore, was awarded Ph.D. degree, “**Kinetics & Mechanism investigation of some oxidation reactions of Biological Drugs in aqueous alkaline medium using Diperiodatoargentate (III)**” from VTU , Belagavi on **25 July 2019** under the guidance of Dr. Surekha M.
- **Mr Bhaskar M**, Asst. Professor, Dept. of Chemistry, Global Academy of Technology, Bangalore, has completed the course work under the guidance of Dr. Surekha M.
- **Mrs Rashmi R** has registered for the Ph.D. degree on conducting polymers under VTU, Belagavi under the guidance of Dr. Surekha M.

### STUDENT ACHIEVEMENTS

- Dawood Damda and team, of II sem, ISE won the second prize in Paper presentation (Basic Science Track) in National Conference on Science Engineering and Management conducted by TOCE on **08.05.2019** to **09.05.2019**
- Archana A, Sandhya G, Ajith J and Manoj L of II sem, ECE won the first prize in Poster presentation, (Basic Science Track) in National Conference on Science Engineering and Management conducted by TOCE on **08.05.2019** to **09.05.2019**
- NS Dhanish and team, of II sem, ISE won the second prize in Poster presentation (Basic Science Track) in National Conference on Science Engineering and Management conducted by TOCE on **08.05.2019** to **09.05.2019**.

## LABORATORY DETAILS

### 1. Lab 1-Volumetric Analysis

**Area:** 200 Sq. mt

**Description:** Weighing Balance Magnetic stirrer, Oven, Hot Plate, Muffle Furnace, Glass Wares, Distill water water Plant

**Conducted Labs:** Engineering Chemistry Lab Part-B

**Capacity:** 30

### 2. Lab 2 - Instrumental Lab

**Area:** 175 Sq. mt

**Description:** PH meter, Potentiometer, Conductometer, Colorimeter, Viscometer, Vaccum Pump

**Conducted Labs:** Engineering Chemistry Lab Part-A

**Capacity:** 30



Chemistry Lab I -Volumetric Analysis



Chemistry Lab II - Instrumental Lab

## DEPT. OF ENGINEERING PHYSICS

Prof. C H Abdul Kadar  
HOD



### Department profile

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

### Journal Publication

Suchitra S.M published a paper entitled "Synthesis and photocalalytic properties of graphitic carbon nitride nanofibers using porous anodic alumina templates"(IOP: Material research express, DOI:10.1088/2053-1591/aa9b20)

### Departmental Activities

National Conference and Projecthon was held on 8th & 9th of May 2019. First year B.E students won the prizes in paper presentation, projecthon & poster presentation.

### Winners

#### Paper presentation

- Dawood and team-2nd place

#### Projecthon

- Naveen Jaishwal and team-2nd place

#### Poster presentation

- Archana and team-1st place
- Zeeshan and team-2nd place

### Students Achievements:

Aradhana M K scored 100 out of 100 in Engineering Physics, VTU exams held in Jan-2019, guided by Prof. Abdul Kadar C H.



**Aradhana MK**  
(USN: 10X18IS012)

### 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**

### LABORATORY DETAILS

Well planned, spacious and well equipped Physics lab has all the interesting sets of equipment to reinforce scientific and experimental concepts and facilitate in developing investigative skills. There are models, charts apparatus, kits, and experimental gadgets to cater the needs of students.



Engineering Physics laboratory for 1st/2nd semester students

## DEPT. OF ENGINEERING MATHEMATICS

Dr. Mallikarjun K

HOD



### Research Activities

- Prof. Palanivel.K, has awarded Ph.D on “An analysis of domination and regularity of intuitionistic fuzzy graphs”, under the guidance of Dr. M.G.Karunambigai.
- Prof. Sreenivasa Reddy.P has awarded Ph.D on “Pragmatic studies on Mathematical inequalities”, under the guidance of Dr.S.Padmanabhan, Visvesvaraya Technological University, Belagavi.
- Prof. Hemalatha has awarded Ph.D on “A Study on Roman Domination in graphs”, under the guidance of Dr. Mallikarjun K., Visvesvaraya Technological University, Belagavi.
- Prof. Sridhar K R has completed Comprehensive viva on 8.6.2019 under the guidance of Dr. Mallikarjun K., Visvesvaraya Technological University, Belagavi.
- Prof Sandhya Rani G has presented a paper on” An extension of golden section algorithm for n-variable functions with MATLAB code” at iconamma 2018, Amrita Vishwa Vidyapeetham University,Bangalore
- Prof. Sreenivasa Reddy P has published a paper on “Convexity of proportion of one Mean with respect to another proportion of Mean” Journal of emerging Technologies and innovative Research, May 2019
- Prof. Sreenivasa Reddy P has published a paper on ”Schur M-power Convexity for Proportion of Distinction of some special Means in two variables ” Journal of emerging Technologies and innovative Research, May 2019
- Prof. Sreenivasa Reddy P has published a paper on ”Schur convexity of Bonferroni harmonic mean” Journal of Analysis, March 2019
- Prof. Sreenivasa Reddy P has published a paper on ”Schur M-power Convexity for Proportion of the Generalized Geometric Bonferroni Mean ” International journal of Research in Advent Technology, April 2019.

### 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.**

### Departmental Activities:

- Organized a guest lecture on Advanced Mathematics related to CBCS 2018 scheme on dated 07-11-2018



- Organized SADBHAVANA pledge on 20 August 2018



**Workshop attended by staff members:** The following staff members attended a Workshop on “Mathematics in Industry” at PES University on 22.6.2019

- Sandhya Rani G
- Selastina Mary A
- Naveen Kumar KS

**Faculty Achievements (Cent Percent Result):**The following staff members achieved 100% result in Operation Research VTU exams held in June-2018

- Selastina Mary A
- Smita K Phadnis

#### Students Achievements:

The following students scored 100 out of 100 in Calculus and Linear Algebra, VTU exams held in Jan-2019

1

**Aradhana MK**  
(USN: 10X18IS012)



Guided by Prof. Hema Latha NC

2

**Satarupa Naskar**  
(USN:10X18CS071)



Guided by Prof. Moumita Kali

3

**Namratha Saikumar**  
(USN:10X18CS047)



Guided by Prof. Palanivel K

The following student scored 100 out of 100 in Engineering Mathematics III, VTU exams held in Jan-2019

1

**Prasanna Ganapathi S**  
( USN:10X17CS069)



Guided by Prof. Sujatha S

# SCHOOL OF ARCHITECTURE

Ar. GURUDUTT S  
Principal



Affiliated by COA since 2012

## ACADEMICS

### 1. URBAN DESIGN Sem-8

Studio Coordinators:

Ar. KAVITHA KAMATH, Ar. RUPA SWAMY, Ar. ANUPA SUGURAMAN Ar. VINAYAKA B, Ar. GURUSWAMY K & Ar. PRAVEEN N

### STUDIO FOCUS: SUBURBAN TRANSFORMATION

Concentration of IT sectors has completely transformed the face of suburban localities of Bangalore mainly Southern suburbs. Rapid urbanization has been associated with several problems like lack of Amenities, infrastructure, traffic and civic issues.

Study area includes south eastern precinct of Bangalore –Quadrangle connecting 4 Major nodes –Silk Board Jn.-Hosa Road Jn-Doddakannalli Jn-Ibbluru Sarjapur Road Jn.

### OBJECTIVES

- To introduce Urban Design as part of bigger Urban context. How Community uses Public Spaces and how it works within interdisciplinary teams by introducing techniques and best practices.
- To understand elements of urban design, to understand Public spaces within Social context.
- To create and understand the role of built environment/Architecture which responds to specific urban context on a larger scale.



## VISION

To create an independent, innovative and educative platform with State of Art facilities for the study of design & built forms through multi-dimensional approaches and to create design professionals who understand the challenges of contemporary world.

## MISSION

To empower future generation by providing opportunities through professional Architectural education to develop their creative abilities, to critically engage the complexities of built and natural environment and to impart knowledge and skills necessary to take leadership roles in changing professions with a spirit of self exploration and creative problem solving.

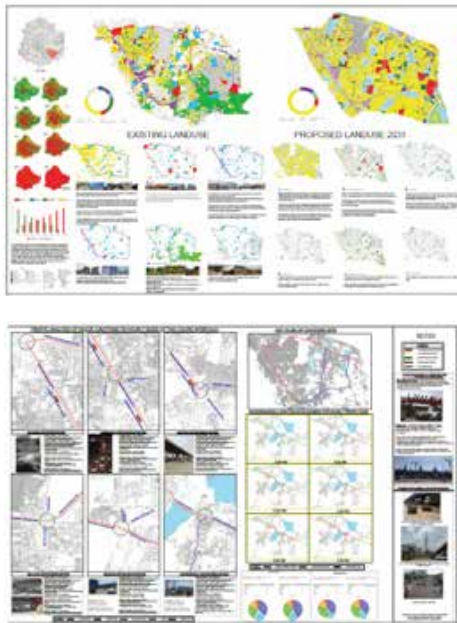
## OUTCOME

Design Program that fits into the given Urban context considering Socio cultural aspects, people, circulation & Architectural character.

### Prerequisites:

- Multi functional built spaces
- Public access to majority of spaces
- Large Public Spaces which are open and with urban context





## 2. MMBC Sem-8

Studio Coordinator:

**Ar. Prof. PRANOTI NAGARAJ**

### STUDIO FOCUS:

**ADVANCED BLDG MATERIALS,  
BUILDING INFORMATICS, IOT,  
HIGH RISE ENCLOSURE SYSTEMS,  
SMART & GREEN CONSTRUCTION,  
NEW CONSTRUCTION EQUIPMENTS**

To Introduce New building materials with special light weight materials & enclosure systems, To Suggest develop a green/ smart building with Kinetic features. Students in groups presented assignments through seminars and actively participated, created interesting Kinetic facades, models and smart design features.



## Site Visits

### CONSTRUCTION SITE VISITS



Sem-8 Students visited one of the prestigious and South India's largest BUSINESS PARK Construction Site to understand and study the complexities of High Rise buildings' Form work & enclosure systems which was very informative and very well explained by the project management consultants on site. The Students submitted site visit Report as part of their Internal assignment too.

### Guest Lectures/Presentation

1. Expert Lecture on "GREEN BUILDING CONCEPTS, CONSTRUCTION, Materials & Zero Energy Building Concepts on 23rd April 2019 by Mr. ABHILASH BL (IGBC AP) LEED Consultant.



2. A Guest Lecture on "INFLUENCE OF INFORMATICS in CONSTRUCTION INDUSTRY. on 14TH May 2019 by Mr. SYAM MADANPALLI, Director - IoT - NTT DATA Services. Pioneer of Connective Technologies and Winner of 2018 IoT Thought Leadership Award



His talk had focus and importance on:  
BIG DATA CLOUD COLLABORATION INFORMATION MANAGEMENT  
MODELING SIMULATION & IoT



- A special lecture on CAREERSCAPE & HIGHER STUDIES in INDIA & ABROAD was presented by Ar. Prof. Pranoti Nagaraj on 13th June 2019



It was followed by talk on Competitive Exams for higher education abroad by professional Education counselors.

### 3. ARCHITECTURAL DESIGN Sem-6

#### Studio Coordinators:

Ar. KIRTI VINAYKUMAR, Ar. JHARNA DONGRE, Ar. GURUDUTT S, Ar. RAMESH GAMBHIRAOPET, Ar. NAGA VAISHNAVY, Ar. PRAGNA PRASAD & Ar. RAJESH K

#### STUDIO FOCUS: INSTITUTIONAL

Design programs were developed by Students for Hotel management Institute /Medical College.



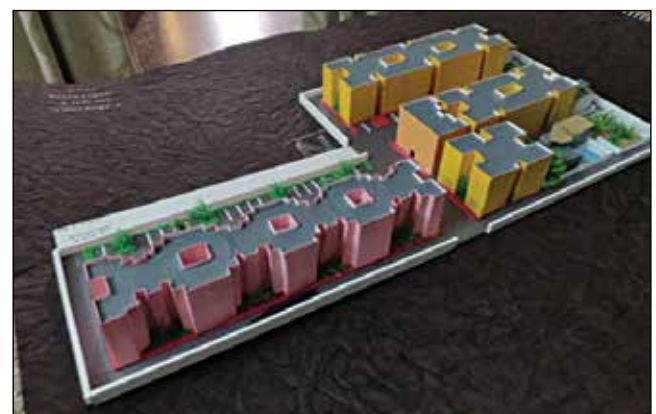
### 4. ARCHITECTURAL DESIGN Sem-4

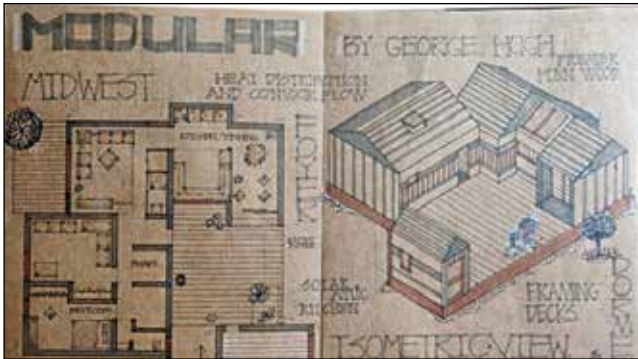
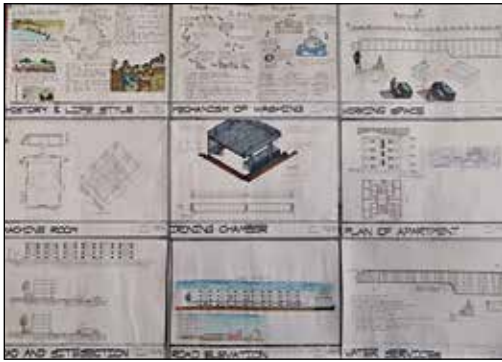
#### Studio Coordinators:

Ar. SMITA RAJGIRI, Ar. SAMRUDDHI RODE, Ar. SUDHA GOPINATH, Ar. APARNA GOPINATH, Ar. SINDHU & Ar. TITHI SRIVASTHAVA

#### STUDIO FOCUS: GROUP HOUSING

For TEXTILE FACTORY WORKERS & COMMUNITY HOUSING, RETIREMENT HOME





**5. ARCHITECTURAL DESIGN Sem-2**

**Studio Coordinators:**

Ar. MADHURIMA BAKSI, Ar. DEEPA KUMARAN & Ar. SHUBHRA PANDE, Ar. BENNY KURIAN, Ar. SUNILKUMAR

**STUDIO FOCUS: UNDERSTANDING THE NATURE AND POETICS OF SPACES**



**6. OTHER WORKS BY STUDENTS**



Truss Models



Landscape design

**Seminar Papers/Articles in E Journals By TOSA Faculty**

- Ar. Kirti Vinaykumar & Ar. Jharna Dongre presented "Alternative sustainable energy sources- Geothermal energy as an under explored alternative" at NIT-Trichi, NCACESD 10th Jan 2019.
- Ar. C Naga Vaishnavi presented on "Sustainable Construction" at NIT- Trichi, NCACESD 10th Jan 2019.
- Ar. C Naga Vaishnavi's paper "Understanding green buildings as a business case" published in National Journal IJCR, Volume 10, Issue 9 Nov 2018.

**TOSA Toppers List Batch 2(2013-2018)**



1	Swetha M	10X13AT065
2	Shona Philip	10X13AT059
3	Nisha Maheshwari	10X13AT045
4	Souvik Baneerjee	10X13AT062
5	Deepa C Managooli	10X13AT019

### TOSA in SPORTS

TOSA Students have excelled in Sports too. This year witnessed enthusiastic participation from many including Students and Faculty. Students won OVERALL MEN's CHAMPIONSHIP TROPHY this year.

Special mention for SHARAR, SUMEIR & LIKITH from Sem-8.

Congratulations for their sportsmanship.



### TOSA FEST April 2019

This was at its best with RED colour as theme. This vibrant cultural event was organised by TOSA student community which witnessed full attendance by all.



### TOSA EXHIBITION 2018

Exhibition on Alternative building Materials. Prizes were given to best exhibits of TOSA Students





**Ar. PRANOTI NAGARAJ**  
(Design Chair)

Ar. Pranoti Nagaraj is an Architect & Urban Planner with Gold medal

She is multiple award winning professional with more than 29 years of experience in Art & Design.

B.Arch, BKPS COA, Pune with University Rank

Masters in Urban Planning, SPA N Delhi, GOLD MEDAL.

Research Awardee

Istanbul Technical University, Turkey. She is Co founder & Director of VERVE GROUP, Bangalore.

#### **TOSA NE STUDY TOUR Jan-Feb 2019**

This year Architectural Study tour was well organized. Accompanied by Faculty the Students visited Calcutta & NE India and studied Culture and History of Sikkim.

This was later submitted as Study tour Assignment



#### **TOSA RESOURCE CENTRE**

Every year Architecture Students create and produce huge DATA for design. TOSA has plans to store this Intellectual Information in a Centralized server/Online or Cloud to help other students for better performances in developing design programs. This would have limited and controlled access. We would like to initiate this Resource centre.

#### **FINAL YEAR INTERNSHIP (Batch 3)**

Our final year students commencing their Internships in reputed Architectural Firms in different parts of India and abroad.

#### **TOSA students pursuing Masters**

<b>Batch 1</b>		
1	Rutusha Nagaraj	FIU USA
2	Niyati Panchal	FIU USA
3	Rachna Prabhu	BMS COA, B'lore
4	Sri Lakshmi V	BMS COA, B'lore
5	Manjunath T	RV COA, B'lore
6	Mariette Robin	Politecnico Di Milano Italy

<b>Batch 2</b>		
1	Deepa C Managooli	CEPT Ahmedabad
2	Sharanya.Sreedhar	RVCOA B'lore
3	Aishwarya Gnaneshwar	ASU USA
4	Vedika Sikka	Coventry University,UK
5	Ankitha Dev	Birmingham Univ UK
6	Meghana V Kumar	De Montfort Univ. Leicester, UK
7	Vaishali Vinod	Florence Des Aca Italy
8	Tania Liza Ninan	Univ South Australia
9	Shaik Imran Ali	Univ South Australia
10	Robin Thomas K	Univ of Newcastle, Australia

#### **TOSA DESIGN/RESEARCH CENTRE**

Plans to have TOSA's own Design Lab & is under consideration.

#### **TOSA ALUMNI CLUB**

We have plans to initiate an Alumni Club which would help current students to learn and engage in different activities.

LABORATORY DETAILS



CAD LAB



CLIMATOLOGY LAB



STUDENTS AND FACULTY IN CLIMATOLOGY LAB

## DEPARTMENT OF ENGLISH

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**Ms. Jessy Koshy**  
HOD



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

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

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

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

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

# CENTRAL LIBRARY

**J Narayana Swamy**

B.Com, M.L.I.Sc.,  
Lrarian



## 1. Library and Information Centre

### Library Profile:

The Oxford College of Engineering library & Information Centre was established in the year 2000. As of now library book collection reached to 56,424 volumes of all text books and reference books in different titles. It is a main resource of knowledge, which is an integral and important part of our institute of higher learning. The library aims to stock all the books and periodicals that the students and faculties are Science, Management, Science & Technology and Humanities. Addition to this, MBA, MCA library, B. Architecture library and eleven more Departmental libraries are also functioning under this Library & Information Centre.

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

Students and Faculty members can utilize their College ID cards as library cards to borrow books and get other library service. Showing their ID cards Students can borrow 3 books for 15 days and addition to this 2 more books will be issued for SC/ST students from Book Bank library for 30 days. Faculty members can borrow 4 books for 3 months duration. Fine will be imposed if not return in stipulated due date. E- Journals and internet facility available in the Library.

## 2. Basic Resources

1. More than 56,424 volumes of text books and reference books with different titles
2. Bound Volumes of Printed Journal 1350
3. Books oriented CD's 3085
4. E - Journals & E - Resources
5. IP based VTU E-Consortium Online Journals
6. Book Bank Facility for SC/ST Students
7. Earlier Exam Question Papers Collection
8. News papers & General Magazines
9. Internet and E Journals Access
10. Reprography / Document Scanning
11. NPTEL & NDL e - Learning
12. Libsoft - Library Software

### VISION

The Oxford library's system is recognized as a leader in creativity and knowledge development, offering access to data, information and knowledge in an environment supporting discovery, reflection, synthesis and application.

### MISSION

The library is a strong community partner providing programs & services that bring people together, foster creativity, encourage, lifelong learning. We preserve our story past, enrich present lives, and prepare for ever changing future. The library's goal is to create an environment that fasters, intellectual curiosity and the social, cultural and professional development of students, faculty and staff.



News Papers & Magazines Reading Section



Internet & E Resources Access



Journals Reading Section



Library Stock Area & Reading Section

### VTU - E -Resources

SL.NO.	PUBLISHER	NO.OF JOURNALS	NO. OF E -BOOKS
<b>E - JOURNALS</b>			
1	Elsevier - Science Direct (Engineering + Computer Science)	304	
2	Taylor & Francis (Engineering + Architecture)	536	
3	Springer Nature (ME,CV,CS, ECE and Allied Branches)	690	
4	Institute of Civil Engineers, UK (Civil Journals)	31	
5	Emerald (Management)	120	
	<b>TOTAL NUMBER OF E- JOURNALS</b>	<b>1681</b>	
<b>E - BOOKS (Perpetual Access)</b>			
6	Packt (Professional)		5000
7	Taylor & Francis (Engineering & Allied Branches)		4950
8	MC Graw Hill Express (Subscription Model for four Year)		505
9	Elsevier SD (Engineering )		436
10	New Age International (Reference + Text )		220



<b>TECHNOLOGY PLATFORM</b>		
11	Knimbus (e-Library +Remote Access+ Mobile App) Platform	
12	NetAnalytiks Platform	
13	Turnitin (Plagiarism Software Online Tool)	
	<b>Total Number of e- resources</b>	<b>1681</b>
	<b>Total Number of E- Books</b>	<b>11111</b>
	<b>TOTAL NUMBER OF E- RESOURCES</b>	<b>12792</b>

### 3. Books Lending & Services

1. Each Student :3 Books for 15 Days
2. Faculty Members : 4 Books for 90 Days
3. Non-Teaching Staff : 2 Books for 30 Days
4. Reference Material should not be issued
5. Extra 2 Books will be issued to SC/ST Students for 30 days from Book Bank.
6. Reference Services
7. OPAC (Online Public Access Catalogue) Search.
8. News Paper Clipping Services
9. Selective Dissemination of Information Service
10. Current Awareness Service (CAS)
11. Inter Library Loan Service
12. E- Journals & E – Resources Access
13. Reprography services

<b>4. Library Team</b>			
<b>Sl.No.</b>	<b>Name of the Staff</b>	<b>Qualification</b>	<b>Designation</b>
1	Mr. J. Narayanaswamy	B.Com., B.L.I.Sc., M.L.I.Sc.	Librarian
2	Mr. Umesh S.L	M.A., M.L.I.Sc.	Asst. librarian
3	Mr. Satish .J	B.A., M.L.I.Sc.	Asst. librarian
4	Mrs. Amitha Kumari D	B.Com., M.L.I.Sc., M.Phil.	Asst. librarian
5	Mr. Sridhara B R	B.A., M.L.I.Sc.	Asst. librarian
6	Mr. Charan Kumar B.A	B.A., B.Li.Sc.	Lib. Assistant
7	Mr. Sudharshan M	D.Lib. Science	Lib. Assistant
8	Mrs. Padmavathi R V	S.S.L.C	Attender
9	Mr. Arun M	S.S.L.C	Attender

## RESEARCH ACTIVITIES 2018-19

The Research Committee aim is to serve as interface between faculty and funding agencies (Government and Non Government) through gathering and disseminating information about the availability of various research grants to execute their novel innovative ideas. The effort of RCC yielded in motivating faculty to apply their research concepts to the funding agencies and we are proud to state that,

- 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", the project aims at evaluating the field efficiency of the product developed (PETROZAP) to address the oil spill, hydrocarbon contamination and crude oil sludge remediation process.
- Dr. R. Ch. A. Naidu HOD the Department of CSE has obtained a project grant of Rs 6,83,000 from PRERANA- AICTE for the project titled "Skill & Personality Development Programme Centre", 2018-2019
- Dr. Raju, HOD Automobile Engineering was successful in getting Financial assistance of 20 Lakhs from Vision Group of Science & Technology (VGST), Govt. of Karnataka, to "Establish the facility for design, synthesis and characterization of Nano hybrid composites for agriculture applications"
- Dr. E. Saravana Kumar Associate professor of Computer Science Engineering, got financial assistance of Rs 5Lakhs from VGST for the project titled "cloud based automatic street lightening system in Attibele Industrial area and rural areas

The committee is involved in synchronizing and encouraging research activities carried out by the members of the faculty of various departments and to provide guidelines for framing the proposals. The committee provides platform for teacher-led student research projects. Continuous effort of RCC resulted in enhanced participation of teacher-led student research projects to state funding agency KSCST under Student Project Promotion Scheme, we are proud to state that following Final Year Students secured financial assistance for their research ideas

- Pawan Kumar Reddy and group of ECE dept, under the guidance of Dr Preeta Sharan received financial assistance for their project "Wearable Hand for Amputees"
- Akshata V Kulkarni, Deekshitha R and Fnoos Fathima of ISE under the guidance of Dr. Kanagavalli, HOD for the Project work entitled "Source code generator using speech"
- Mr. Divakar.A of ME Dept under the guidance of. Shivasheshadri Asst.Prof for the project Road Side Dust Cleaning Machine with Conveyor Mechanism
- Mr. Mallaiah of under the guidance of Raghavendra N, Asst.Prof. for the project Drainage Cleaning Machine
- Mr. Santhosh Hosamani under the guidance of Vidyadhar Pujar Asso.Prof. for the project Neonatal Blood Pressure Measuring System using Micro Opto Mechanical System based Sensor
- Mr. Abhishek K T under the Guidance Dr. Raju B R, HOD Automobile Engineering, for the project Influence of Nano fillers on Mechanical and Tribological Properties of Fiber Reinforced Hybrid composites for Automotive Industry Applications"
- Mr. Santhosh hosamani Under the Guidance of Prof. Prasanna S M, Asst Professor for the project Influence of Nano fillers on Glass Basalt hybrid Composites in Automobile Applications".
- Arnold Sachith A Han, Mohit Bansal, Nitin, Robsom Jani Shikar of Mechatronics department under the guidance of Dr. Rohini Deshpande, for the project, Hexa Farm Bot

With the intention of providing a platform for knowledge sharing, exchange of ideas and to interact with Industry experts and scientists of reputed organizations, the Institute organizes National Conference, NCSEM, as an annual event, we are proud to state that NCSEM 2019 was successfully completed.

The committee encourages product development and commercialization of technology developed by our faculty, the faculty in the institute work on societal relevant problems and develops scientific solution for the same, to note a few, Department of Biotechnology is working on Bioremediation of toxic hydrocarbon which helps in protecting the environment and Department of ECE is working on developing a smart device for Handicapped, a brief report of the product developed is given below

**Name of the Product: PETROZAP**

**Name of the Lab where the product is developed: CENTRE FOR BIOREMEDIATION, Department of Biotechnology**

**Funding source:** Naval Research Board, DRDO, New Delhi- Rs. 19,44,000/- BIRAC,DBT, New Delhi- Rs.40,00,000/-

**Inventor:** Dr.B.K.Manjunatha, Professor & Head, Department of Biotechnology, Dean research, TOCE

**Brief technical report:**

“PETROZAP-A Bioremediation Formulation –for PAHs/Hydrocarbons/used Engine oil/Oily sludge/ Oil spills for ex-situ and in-situ application

Brief summary-The present idea of developing a Bioremediation kit is in response to our effort to develop Biotechnological tool for effective management of pollutants that contaminate the soil and water, among the major contaminants, Hydrocarbon contamination is a global problem, causing serious hazard to the environment. Contamination by oil and oil products has caused serious harm, and increasing attention has been paid to the development and implementation of innovative technologies for the removal of these contaminants. Conventional physicochemical methods can rapidly remove the majority of spilled oil, but, in most cases, removal simply transfers contaminants from one environmental medium to another and can even produce toxic by-products. Bioremediation technology has been accepted as a cost-effective and environmental friendly means of cleanup of contaminated lands during which the hydrocarbons are converted into non toxic metabolites and finally into carbon dioxide and water. In this context, the present proposal aims at developing a cost effective, environmental friendly bioremediation kit to remediate hydrocarbon/oily sludge/waste oil/crude oil.

The product that we are developing is a microbial based formulation consisting of a novel fungal isolate capable of degrading wide range of hydrocarbon including crude oil. Oily sludge and used oil. It is a formulation consisting of a unique, potential microbe capable of degrading various toxic petroleum hydrocarbons (up-to 98% within 21 days of incubation) into non toxic carbon dioxide and water.

The salient feature of the product is

1. Effective microbial formulation for the treatment of hydrocarbon contaminated sites in both aquatic & terrestrial conditions of naval habitat
2. The product will be in ready to use powder form and liquid form
3. The product also contain specially designed Oleophilic adsorbent immobilized with fungal strain, nutrient and adsorbent matrix.(Immobilized Oleophilic pads- microbes will be immobilized on suitable Oleophilic matrix along with carbon source, the pads can be used for immediate clearing of the on sight spill, the pads with adsorbed oil can be incubated in ex-situ to clear the adsorbed oil
4. Nylon mat/net with microbes immobilized on it- can be spread over the spilled area till the oil gets degraded, nylon net can be reused

#### **SALIENT FEATURE OF PETROZAP**

- The PETROZAP-L is a patented product studied for their efficacy of hydrocarbon degradation under laboratory condition using heavy crude oil under various conditions.
- The parameters viz., Effect of inoculum size, temperature, salinity, incubation time and pH, on %TPH degradation, BOD, COD, CFU, Biomass generation is studied
- The % TPH removal efficiency of the PETROZAP is 93.47 %, 97.53 %, 98.51%, 98.97 % and 99.08% at 5th day, 10th day, 15th day, 20th day and 25th day respectively.
- The rate of degradation/hydrocarbon utilization capability of PETROZAP in crude oil by 0.396 mg.kg-1d-1, 0.122 mg.kg-1d-1, 0.072 mg.kg-1d-1, 0.076 mg.kg-1d-1and 0.0653 mg.kg-1d-1at 5th day, 10th day, 15th day, 20th day and 25th day respectively.

PETROZAP in Liquid form- Performance Evaluation of the product



Petrozap immobilized on Nylon Mesh



Granular Petrozap

**NAME OF THE DEVICE: Device for Handicapped: A Innovation**

**Department: Electronics & Communication Engineering**

**Funding source: ICMR, New Delhi**

**Principal Investigator: Dr.Preetha Sharan**

This project was aimed to provide an alternative way of interaction with a computer for those who are unable to use the traditional human computer interfaces, namely mouse and keyboard. Following were the features of the device to enable handicapped people to interact with PC. Scope of this device is limited to work/devices for people with no paralysis and nonfunctional upper limbs.

- Useful by handicapped people who can no longer control the computers using their hands.
- Because it is wireless it is less cumbersome for the users.
- The mouse system is compatible for any computer.
- A head mounted mouse unit configured to be worn on a user's head to have mouse cursor control by head movement
- The processing unit including a processor will be in a separate module.
- The eye wink sensor on a spectacle is used for eye wink based mouse click as in Figure 1.



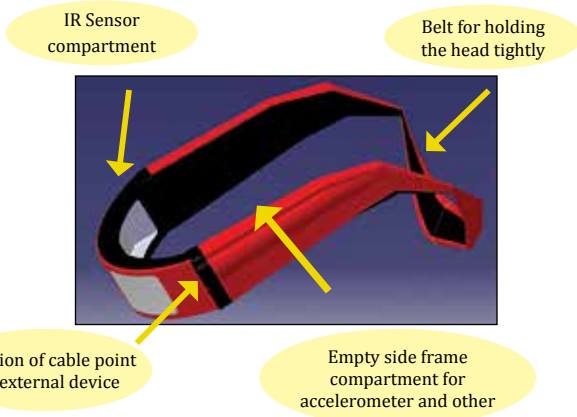
Figure 1: Schematic representation of the wearable device



With the advent of the information era, there are ever-increasing demands for accessing computers and the internet. The proposed project provided hands free interface between computer and human. This technology is intended to replace the conventional mouse. It will use combination of voluntary head movements, voice command and web cam based image processing to provide mouse control. People with severe disabilities can also benefit from computer access and take part in recreational activities, use internet or play games.

**Journey of Productization**

**Journey of Innovation**



**HEXA FARM BOT**

1. ARNOLD SACHITH A HANS - 10X15MT005
2. MOHIT BANSAL - 10X15MT023
3. NITIN - 10X15MT027
4. ROBSOM JANI SHIKARI - 10X15MT038

**GUIDED BY - Mr. JAYAKUMAR. N**

**ABSTRACT**

In the present world, farmers have been facing problems in the field of agricultural activities such as irrigation, ploughing, providing the right amount of manure to crops and the removal of the weeds. All these problems could be solved by using this bot. The bot is provided with the ploughing mechanism to plough the field, it has a wireless connection with the irrigation system of the field where the bot checks the moisture content and simultaneously signals are given to the irrigation system of the field, manure and fertilizers are provided to the crops and the weeds are removed mechanically by the robot. This bot is connected to the internet and can be controlled from anywhere around the world, the activities performed by the bot is updated to the farmer periodically. Farmers can use this bot and can involve himself in some other activity like beekeeping, poultry, dairy farming etc; due to which his source of income can be increased which Results in the overall development of the economy of a country.





## NSS ACTIVITY REPORT

**The blood donation camp** was conducted on 27th Feb 2019, in Drawing Hall, 2nd floor, New Building, The Oxford College of Engineering.



## FROM IEEE DESK, BRANCH COUNSELOR

**Dr Preeta Sharan**  
IEEE Student Branch Counsellor



The Oxford College of Engineering started the IEEE student branch during 2011. It has Geo Code for TOCE-STB 08641, School Code-60020461, and Region Code-R10. Various activities have been done under IEEE student branch for the benefits of the student community, which is helpful in their growth & career.

There are 20 Student members and few Professional members representing IEEE Photonic Society and Computer Intelligence Society.

The important office bearer of IEEE student branch at TOCE from Bangalore Section is as follows:

- Dr. Preeta Sharan-Vice-Chair, IEEE Photonic Society, IEEE Branch Counsellor TOCE.
- Dr. Manju Devi - Student Membership Development in-Charge, IEEE Photonic Society.
- Dr. M.S.Shasidhara - Senior Member
- Mr. Anup Upadhyaya - The Student Internship Coordinator, IEEE Photonic Society.

### Awards & Recognitions:

- The Oxford College of Engineering got approval from IEEE USA to start the Photonics chapter along with EMB Society.
- Dr. Preeta Sharan got Photonic Excellence Award for the year 2018 from IEEE Photonic Society, Bangalore Section.
- B N Srividya, Akshatha Ashok, Karthik had participated in one day workshop on Optical communication System and photonics on 11th May 2019 at IEEEESB,RNSIT.
- Yeshwanth and team exhibited the project "Design and fabrication of Animatronic skull using 3D printer" at IEEE Project Expo-2019, GSSS Institute of Engineering and Technology for Women, Mysore on 29th April 2019.

### IEEE Student Activities

The following is a list of some activities that Student Branches have undertaken in the recent years:

- Hosted an annual event at TOCE to welcome new members on 24th February 2019.
- Scheduled speakers on technical or professional subjects from reputed Institutes around Bengaluru.
- Participated in IEEE conferences.
- Students participated in engineering awareness programs.

IEEE photonics society, Bangalore Section has introduced student internship program in the year 2018-2019, where students from different colleges in Bangalore chosen their mentor from expert committee of IEEE.



Dr. T.Srinivas, IISC and Dr. Preeta Sharan during final internship review session



IEEE Day Celebration in the presence of Dr. Indumathi, IEEE Chairman Photonic Society Bangalore Section

## DEPT. OF PHYSICAL EDUCATION

**Mahesh G**  
Director of Physical Education and Sports



During the academic year 2018-2019 the physical education and sports department has organized many sports events. Our Students were participated enthusiastically in various sports and games.

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

**Sports committee for the year 2018-2019 has been constituted with following staff Members.**

Sl no	Name	Dept
1	Mahesh G	Sports
2	Shruthi BT	Sports
3	Shobha 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	M T
14	Channapa Gowda	ISE

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





AKARSH T (CIVIL)  
(Kho- Kho)

Our student Akarsh of dept CIVIL has represented VTU in all India inter university kho-kho (Men) team at Sri . Venkateshwara University Tirupathi (AP) from 24th to 28th October 2018



INCHARA V R (CIVIL)  
(Kabaddi)

Our student Inchara of dept CIVIL has represented VTU in all India inter university kabaddi (Women) team at Bangalore north University Bangalore from 12th to 15th November 2018.



KOWSHIK M N (ME)  
(Hockey)

Our student Kowshik M N of dept ME has represented VTU in all India inter university hockey (Men) team at Nagarjuna University (AP) from 10th to 14th November 2018.



PRAJWAL P P (MT)  
(Hockey)

Our student Prajwal P P of dept MT has represented VTU in all India inter university hockey (Men) team at Nagarjuna University (AP) from 10th to 14th November 2018.



Nayana B U (EEE)  
(Kabaddi)

Our student Nayana B U of dept EEE has represented VTU in all India inter university kabaddi (Women) team at Bangalore north University Bangalore from 12th to 15th November 2018



Ajay A of dept (AUTO)  
( Taekwondo)

Our student Ajay A of dept AUTO has represented VTU single zone taekwondo competition (Men) held at VKIT Bangalore from 10th to 14th November 2018 secured 3rd place.



Sheetal Prakash (B ARCH)  
(Swimming )

Our student sheetal prakash of dept B ARCH has represented VTU single zone swimming competition (Women) held at BMSCE Bangalore from 30th Sept 2018 secured 3rd place.



## VTU INTER COLEGIATE & INTER UNIVERSITY WINNERS

Sl no	Events	Date	Organizing college	Results
1	Kho-kho	1st and 2nd march 2019	CMRIT Bangalore	2nd place
2	Volley ball	8th & 9th march 2019	TOCE Bangalore	2nd place
3	Hockey	6th to 10th march 2019	Vidya ashram first grade college Mysore	2nd place
4	Hockey	15th to 17th march 2019	Indian institution of science Bangalore	1st place
5	Volley ball	1st & 2nd march 2019	NTTF Bangalore	1st place
6	Ball badminton	25th to 27th April 2019	RLJIT DODDABALAPURA	3rd place
7	Kabaddi (w)	9th & 10th may 2019	Sai Vidaya IT Bangalore	3rd place



Kho- kho Bangalore central zone winners at CMRIT Bangalore was held on 1st and 2nd march 2019.



Hockey state level tournament winners at Indian institution of science Bangalore was held on 15th to 17th march 2019 and state level tournament runners at Vidya ashram first grade college Mysore was held on 6th to 10th march 2019.



- Volley ball (m) Bangalore central zone Runners at TOCE Bangalore was held on 8th & 9th march 2019
- Volley ball state level tournament winners at NTTF Bangalore was held on 1st & 2nd march 2019





Ball badminton Bangalore zone 2nd runners up at RLJIT Doddaballapura was held on 25th to 27th April 2019



Kabaddi (w) Bangalore zone 2nd runners up at Sai Vidya IT Bangalore was held on 9th & 10th May 2019



- KABADDI (MEN) STATE LEVEL TOURNAMENT GAT BANGALORE 25TH April 2019 2nd PLACE
- KABADDI (MEN) STATE LEVEL TOURNAMENT SAI RAM ENGINEERING COLLEGE ANEKAL 24th & 25TH April 2019 2nd RUNNERUP



## ANNUAL ATHLETIC MEET 2019

The Chief Guests Sri. Pydiram kottinti (International Para Athlete) Inaugurated the events with our Director Dr. Amaranth and beloved principal Dr. R V Praveen Gowda .and all department HODs





### Athletic Meet Individual Champions Men & Women



**Individual Champion  
(Men)**

SHARAR AHAMED (B. Arch Dept. 6<sup>th</sup> Sem)



**Individual Champion  
(Women)**

INCHARA (Civil Dept. 8<sup>th</sup> Sem)

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

### VTU BANGALORE CENTRAL ZONE VOLLEY BALL TOURNAMENT HOSTING BY OUR COLLEGE



The chief guests Dr. Shivram Reddy inaugurated the events with our director Dr. Amaranth and beloved principal Dr. R.V Praveen Gowda



The oxford college of engineering won the Bangalore central zone kabaddi tournament held in our campus with support from management, and staff members



# NATIONAL CONFERENCE - NCSEM-2019

## SCIENCE, ENGINEERING AND MANAGEMENT 2019, 8th & 9th May 2019

The Oxford College of Engineering, Bommanahalli, Hosur Road, Bangalore has organized a two day National Conference on Science, Engineering & Management - NCSEM-2K19 on 8th & 9th May 2019. It was a 3rd year contiguous National Conference which was a successful event. It is a conglomeration of National Conference, Projethon and Poster Presentation. The unique idea behind National Conference on Science, Engineering and Management (NCSEM – 2K19) is to provide a platform for Academicians, Scientists, Researchers and Industry professionals from around the country to network and exchange their innovative ideas, having scientific discussions on the latest advancements in the interlinked domains of Engineering, Science and Business Management.

A Conference Proceedings containing selected research Articles, Technical abstracts of Projethon (Project Exhibition cum competition) ideas presented at the National Seminar will be brought out on the occasion for distribution to the delegates and related organizations in the country. This event will be attended by professionals, engineers, industrialists, academicians, scientists, and policymakers from all over the Country. It will give ample opportunity to the educational institutions, financial bodies and industries to interact with and to publicize their services and products.

The Inaugural function started at 10:00am on 8th May 2019 anchored by Prof. Sahana A and Prof. Chandrika Reddy of MBA Department. The press reporters and Media persons were also present.

Sri Srinivas Raju, Executive Director, The Oxford Medical College, presided over the function, Dr. Amarnath K, Director, The Oxford Group of Institution, addressed the gathering, Dr. R V Praveena Gowda, Principal - TOCE, welcomed the chief guests and other dignitaries and addressed the gathering, The program started with an Invocation song and by lighting of the lamp by the distinguished guests. Then the Conference Proceedings was released by the dignitaries on the dias. The General Chair, Dr. M S Shashidhara, HoD- MCA, gave a brief outline on the objectives of the Conference and The General

Co-Chair, Dr. B K Manjunath, HoD- BT was present for the occasion.

Shri. A K Kiran Kumar, is an Indian space scientist and former Chairman of the Indian Space Research Organisation, was the Chief Guest for the grand occasion. He reiterated the use of space science in everyday life and pointed out how progressive space science has been serving India over the past few decades. He also included that in the past, super-cyclones like Fani use to claim around 15,000 to 20,000 lives. Now, disaster relief agencies are able to get the information in advance to evacuate people of that region. This was successful to help the lives of more than 1.5 million people, and this was only possible because of the technology to know more about the cyclonic movement. The GPS for Fishermen to disaster management to discovering water molecules on the Moon. He also advised the students to utilize the opportunity for learning and use it in their professional career to build up the nation. A speech was delivered by Keynote Speaker, Shri. Viswanadh Akella, Co-Founder & CEO of SimplyFI SoftTech India Pvt Limited.

We have received over whelming response from all over the Nation. We had received Research Paper of 973, ONE International from Australia, from Karnataka -793 and outside Karnataka - 179 all are scrupulously short listed & peer reviewed papers. Total accepted for Publication and Presentation after Plagiarism and Review are 70 Journal Publication papers will be published in UGC approved journal 441 Conference Papers, Projethon Project Exhibition 100 are exhibiting their innovated project works done in their course of study.

Research Paper Presentation had 10 tracks which individual departments were conducting. Nearly 100 Projethon / Project Exhibition (models) entries came, where it was divided into 4 tracks, each tracks 3 prizes were given. And for Poster Presentation 2 prizes were given.

The Valedictory function was on 9th May 2019, included the overview of the two day event by the Conveners of the Conference Dr. M. S Shashidhara, HoD - MCA & and Dr. B K Manjunath, HoD - BT.





# WOMEN'S DAY CELEBBRATION

The International Women's Day was organized by EEE Department on 8th March 2019, in presence of Director, Principal ,all HOD'S and all the Female staff of The Oxford Engineering College.

Ms. Ayesha Tabassum , Indian Express News paper Editor and Ms. Megha Hamsa, The Hamsa Television Channel Head was invited as the chief Guest for the day.

Different Competition was conducted for all the female faculties like Rangoli, Musical chair, one minute game and quiz. he prizes was distributed for the winners.

The management has sponsored Rs 3000/- for celebrating The International Women's Day. It was one of the successful event organized by the EEE Department with the support of Dr. Bharath V.S, HOD/EEE, and all the faculty members of EEE Department.



**The Oxford College of Engineering**

Dept. Of Electrical and Electronics Engg.

We cordially invite all the female faculty to  
celebrate

**THE INTERNATIONAL WOMEN'S DAY  
on 8<sup>th</sup> march 2019**

Women are seldom silent,  
Their beauty is forever speaking for them.

**Happy women's day**

Venue: 6<sup>th</sup> floor seminar hall  
new building

Chief guest:  
Ayesha Tabassum (Indian Express, Editor)  
Megha Hamsa (Hamsa TV, Entrepreneur)

From EEE students





# OXFORDOTSAV – 2019

The Oxfordotsav' 2K19 – Intra college cultural competition was held on 20th May, 2019. The Chief Guest was Padmashree Dr. Doddarange Gowda – Poet & Writer and Guest of Honour was Shrimathi Chitkala Biradar – Cine Actress presided over by Honourable Sri. S.N.V.L. Narasimha Raju Garu – Chairman, the Oxford Group of Institutions.



# IGNUS- 2019

IGNUS 2K19 was organized by The Oxford College of Engineering, Bengaluru on the 22nd and 23rd March 2019. Previously, Impulse was an Annual TechFest being organized by CSE Department. With all the Departments coming together, Impulse'18 became the Technical Fest of The Oxford College of Engineering. This year IMPULSE'18 has metamorphosed into IGNUS 2k19. IGNUS 2K19 hosted 22 events to cover a number of dimensions of creative technology such as Poster Presentation, Star of IGNUS, Lip read your partner, Gaming, Pictionary, Kannadakkagiondhannuothi, Best out of E-waste, Retaliation-The surgical strike 3.0, Devil Segue, Hot wheels, Maya, Terror Hunt, Click and Run, Buzz-wire, Arcania, Mad libs theatre, Photography, Oxford Sherlock, Pubg, Beg Borrow Steal, Sustaineri, and Short Film Making.

The objective for IGNUS 2K19 was brought out by Dr.Bharath, Head of EEE. He expressed his gratitude for the management and well-wishers, who are the stimuli for successful events like IGNUS 2k19.

Dr. K Amarnath, Director, The Oxford Institutions and Dr.PraveenaGowda, Principal, TOCE, expressed their wishes to the participants for success and conveyed their appreciation for team IGNUS and Department of CSE & EEE for organizing the events systematically with innovative ideas.

The chief guest Shri. M.V Subba Rao, Chairman-cum-managing Director of Kudremukh Iron Ore Company Ltd, provided the students with unwavering support and shared their insights and thoughts on the event and also applauded the IGNUS 2k19 team for their enthusiasm and team work.

IGNUS 2K19 saw great participation with more than 750 Participants from 20 different colleges and 20% of these Registrations by students from outer Colleges like RVCE, DSCE, Vemana IT, DSIT, MVJCE, Jain College, JNC, Vijaya College, KLEIT, Indian Academy, PMC, Hosur and many more.



# Photographs

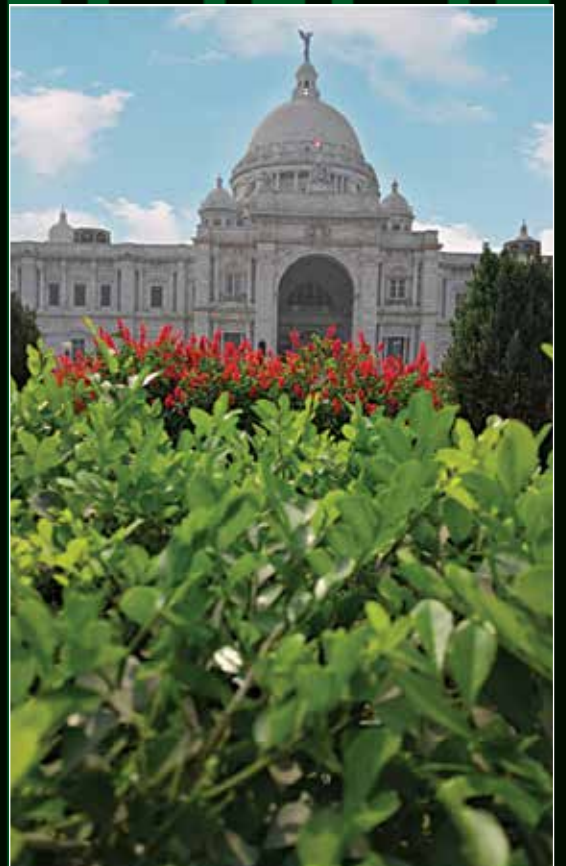
MANASH G  
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MOHAMMED AFREEDH  
S2 SKETCH

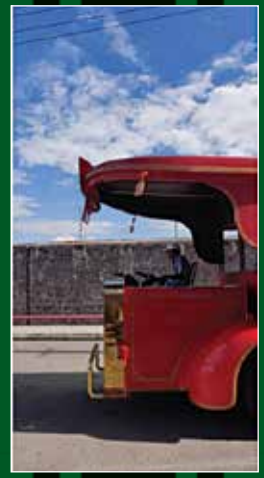
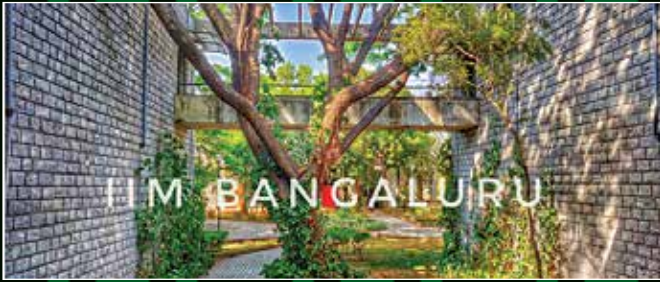


S .NAMRATHA, S6





**MIRZA SOHAIB ALI BAIG**  
**S4 REVIT RENDERINGS -RESIDENCE**



**MANOJKUMAR B**  
**S2 PHOTOGRAPHS**



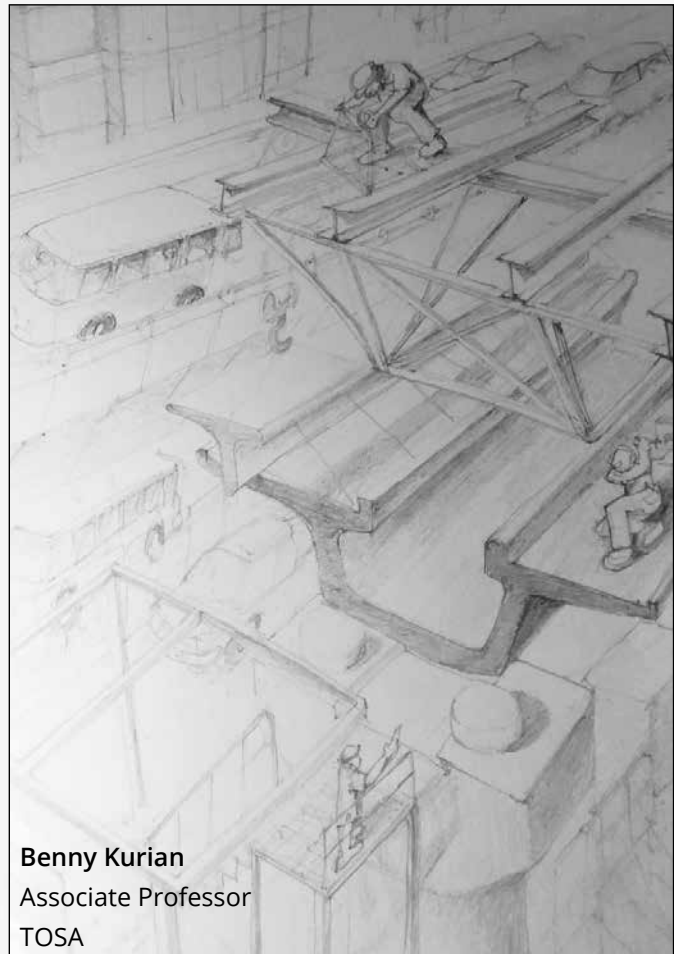
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4th Sem CSE  
TOCE



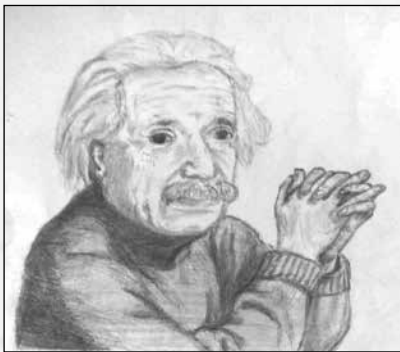
# Arts & Articles



HARSHITA.S  
"VIII" SEM



Benny Kurian  
Associate Professor  
TOSA



SANJAY HEGDE  
"EEE" 4B



SHRAYANA SHETTY M  
"VI" B- EEE DEPT.

## YOUR LIFE YOUR WAY

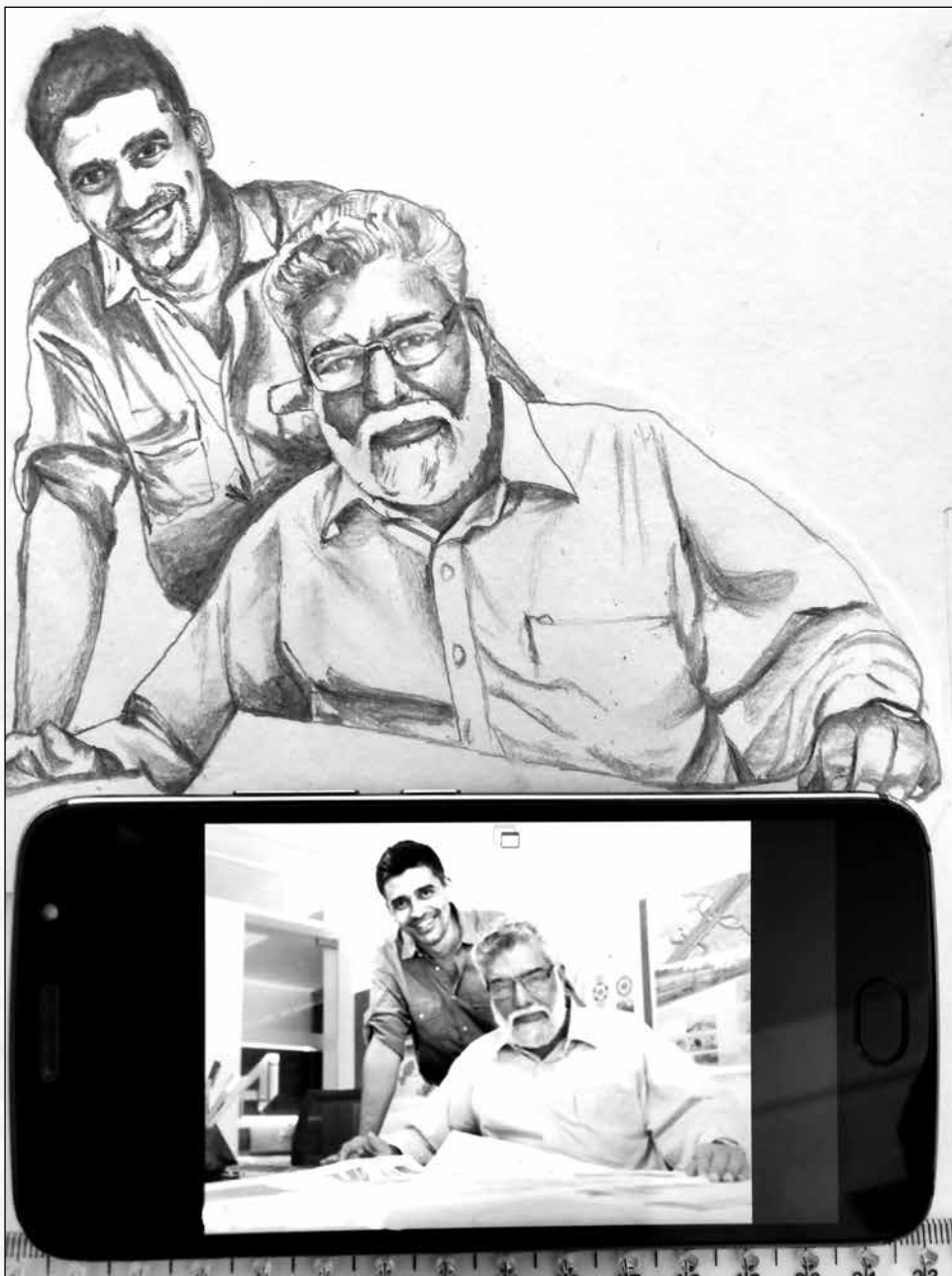
This life is like stream  
Which never stops its flow  
Please just only don't dream  
And get a hefty blow  
Come out of the imagination cream  
And show the world how to glow  
I know its tough  
I know its hard  
I am sure it will be rough

And there will be no guard  
Change your vision  
Step up to the top  
Its time to make a decision  
Don't worry even though it's a flop  
try until you reach  
To the top of every challenge and  
fight  
In the process there might be a  
bleach

But just think what's wrong or right  
Have your own aim  
And will be a signal  
To others that this is what you  
claim  
And your life and your way is the  
final

**S Namratha**

3rd year student B. Arch





Chetog...  
VEEE



SANJAYA HEGDE  
BE - EEE



ARUN KUMAR.T  
EEE DEPT.