



CHILDREN'S EDUCATION SOCIETY (REGD.)

Administrative Office:

1st Phase JP Nagar, Bengaluru – 560 078

☎: 080-61754501 – 502 Fax: 080-2654 8658

THE OXFORD COLLEGE OF ENGINEERING

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi, Accredited by U.A.C. & UDA, New Delhi and Recognised by UEC Under Section 2(B), Hemmiahalli, Hosur Road, Bangalore – 560088.

☎: 080-61754601/602, Fax: 080-25730551 E-mail: enquiry@oxford.edu Web: www.oxford.edu

Date : 12-08-2022

Annual Report of The Oxford College of Engineering

The Oxford College of Engineering provides quality teaching and training in professional UG courses in 9 streams of Engineering in, Computer Science, Information Science, AIML, Electronics and Communication, Electrical and Electronics, Mechanical, Civil, Bio-Technology and Mechatronics. College also offers 5 Postgraduate programs in Technology (M Tech in AIML, Cyber Security, Power Electronics, VLSI Design & Embedded System & Structural Engineering), along with Master of Computer Application (MCA), and Master of Business Administration (MBA). The 12 Research centers recognized by VTU to offer Ph.D. programs. The College is affiliated with the Visvesvaraya Technological University (VTU) and approved by the AICTE. Also students are motivated to opt for B.E Honours course.

The college has a good number of research publications in various reputed journals and patents. Colleges have a good number of R&D projects worth of 13 lakhs sponsored by AICTE, VGST, VTU, IEEE, ICMR, BRNS, NIF, NRB(DRDO) & BIRAC etc., (Now 1.3 crores ongoing projects). Our Teaching fraternity published 52 papers in Scopus / SCI Indexed Journals, 6 in UGC Approved and 28 in International Journals during the academic year.

The Oxford KSCST-VTPC Centre for Patent and Technology Transfer Cell was established wherein various guest lectures were organized. During this tenure, 19 patents were filed and 6 products were developed and 26 Functional MOUs across the departments.

The college is accredited by NBA, and IAO, ISO quality-assessed organizations and we are also awaiting for NAAC PEER TEAM visit for NAAC Accreditation. We are proud to announce that we are listed in ARIIA in Band 'PROMISING', participated in NIRF and rated 4 star rating out of 5 star by Institutions Innovation Cell, MHRD initiative and also listed and

rated by many National Magazines namely INDIA TODAY, THE WEEK, THE OUTLOOK, THE TIMES OF INDIA. We also participated in many media forums for Educations.

We are proud of teaching and non-teaching team, engaging the students in a wide range of exciting learning opportunities with innovative ideas for overall development. Academically a strong theoretical foundation will be provided and coached towards the usage practically. The institute has an excellent track record of results with continuous achievement of university ranks and placements in past years. Along with the academics, the students also participate and excelled in extra-curricular and co-curricular activities through active cultural, sports and social groups.

The prominent features of TOCE is Outcome Based teaching learning process, academic discipline, innovative practices in the laboratory and workshop sessions, Webinars, Seminars, Conferences, guest lecture sessions, project based learning, tutorials, industrial visits (ISRO, MGRDI, Centre for Human Genetics, Bangalore Bio innovation Center, DIFACTO Robotics & Automation, etc.), research and development activities with 12 research centers, technical and general student clubs like IEEE (wherein we have IEEE Photonic Society Student Chapter), IEEE-EMB society, ISTE, CSI Chapter, ACM etc. Also provides industry linked training and internship opportunities, various skill training for facing interviews, personality development programmes and active participation in the various technical festivals, seminars, conferences, activities for life skills. This glory has been achieved due to the synergetic efforts of management, learned faculty, dedicated staff and sincere students over these years

We assure that the students of our Institution will have excellent professional career by availing the unique opportunities provided by TOCE through classroom teaching, laboratory instructions, industrial trainings and participation in sports, cultural and other extra-curricular activities of interest.

The Department of Corporate Relations headed by Prof. Bheemeswara Reddy V, focusses on the upskilling the students to make them face the challenging roles in the corporate field. Vigorous training on aptitude and recruitment essentials, soft skills, personality development, Technical Talk by HRs are being imparted in regular intervals throughout the year. The department focusses on enhancing technical skills among students and exclusive company specific training is rendered to students followed by intensive assessments. Many Campus drives where organized where in our the highest CTC offered in 2021-22 is 22 LPA and Average is 5 LPA.

The Department of Library catalogue database has 56450 volumes of text books and reference books with different titles, bound volumes of printed journals 1350, 3085 book oriented CDs. It also has printed Journals, and member of VTU-e-resources consortium, Belagavi. Through this consortium, college library can access more than 6593 e-journals, 3469 e-books from different publisher such as IEEE, Elsevier etc.,. It also has OPAC Search Services, News Paper Clipping services, Reprographic services, Question Bank Services etc.,

The Department of Physical Education & Sports :- Student from EEE secured 3rd place in VTU Single Zone Athletic Competition (women) 20 km walk race, College Team Hockey (Women) secured 2nd Runner up place in Bangalore Zone competition, Kabaddi (Men) team secured 2nd place in State Level Tournament, Throwball (Women) team secured 1st place in VTU Bangalore Centre, Ball Badminton (Men) Team represented VTU Bangalore Zone competition, Kho-Kho (Women) Team secured 3rd place in Inter-Collegiate Sports Fest Tournament. Also, The Inter Collegiate Bangalore Central Zone Throwball Tournament and Chess Tournament was organized at our college campus.

Major Achievements: -

1. We conducted 6th National Conference on Science, Engineering and Management (NCSEM 2K22) during July 2022 and National Level Technology Exhibition Platform – Project Expo 2K22. Also techno Hackathon 2K22 wherein students are asked to project their Ideas and best ideas are selected to participate in Smart India Hackathon.
2. SAP Workshop – Transformation Express visiting our campus in May 2022
3. Signing MOU between TOCE and NASSCOM for undertaking Skill Development Training in Emerging Technologies and with other Industries to development Industry Academia Interaction.
4. Student Achievements: We have students who are flying in colors in the inter and intra collegiate events. To note few, our students successfully bagged GATE 2022 Ranks and The first PAN Karnataka conclave for Engineering Aspirants and Parents was held on 31st July and 1st Aug 2022 wherein our students bagged 1st (Rs.50,000/-) and 3rd prize (Rs.30,000/-) in State Level Students Project Exhibition and Competition. The ECE Department students won National Level Techno Competition organized by Dr. AIT and also bagged the winner prize worth 2.5 lakh at SymbIoT organized by Vidyavardhaka College of Engineering, Mysore, The Students of EEE won the award for Battery Management System of Electric Vehicle using IoT and

Student of AIML Shabiul Hasnain Siddiqui bagged 321 Hacker Rank across the Globe and 192 across the Country. Apart from this many students are completing ONLINE Certificate courses and they are being grabbed by many MNCs for top most positions.

5. The 17th Graduation Day was organized on 23rd April 2022 wherein Dr. K Balaveera Reddy former VC, VTU was the Chief Guest. During the event, he motivated the students and wished best wishes for the outgoing students.

6. Not only this, ManyBest Student Projects were funded by KSCST and other funded agencies. To name a few :

- ✓ Water distribution using IoT and Android
- ✓ Night patrolling Robot,
- ✓ COCO- The Cool Robot,
- ✓ COVID-19 predictor and Impact Analyzer App,
- ✓ Compact NN based Smart Pen,
- ✓ Smart Blind stick with Object Detection and Assistance,
- ✓ UVC based disinfection robot with Automatic Hand Sanitizer for COVID 19,
- ✓ IOT based smart home security system using Raspberry pi,
- ✓ Prosthetic Leg,
- ✓ Low cost Density based Traffic Light Controller system,
- ✓ Appraising system for stubble burning using humanoid skull,
- ✓ Automatic mask and vending machine with automatic hand sanitizer and refilling,
- ✓ Contactless door and doorbell security system for pandemic
- ✓ Health monitoring system of Rail Wheel Model using optical sensors
- ✓ Voice & Gesture controlled wheel Chair
- ✓ Automatic Self Driving Car,
- ✓ Advanced Electrical Vendor Utility vehicle, Hybrid Motor Cycle,

7. Extension Activities / Outreach Activities organized and participated by Students :-

- ✓ International Yoga Day
- ✓ Covid 19 Vaccination Drive,
- ✓ Teacher's Day (ShikshakParv) and Engineer's Day Celebrations,
- ✓ Independence Day, Republic Day, Kannada Rajyotsava, SadbhavanaDiwas,
- ✓ Women's Day Celebrations
- ✓ Pollution Awareness Programs,
- ✓ Akhil Karnataka PraniDaya Sangh for Animal Welfare

- ✓ Swatch Bharat Abhiyan
- ✓ Blood Donation Camp
- ✓ Temple Cleaning, Awareness program on public hygiene
- ✓ National Energy Conservation Day
- ✓ Clean India Campaign
- ✓ Save Water Save Life Campaign
- ✓ Entrepreneurship Mela
- ✓ National Education Day
- ✓ Matrubasha Divas
- ✓ Science Exhibition
- ✓ World Earth Day
- ✓ Save Tree Awareness Programme etc.,

8. Faculty Achievements: - Many Faculty are the recipients of many awards such as Best Research Awards, 75th Women in S&T, Sarvathom Acharya Puraskaretc., Also they have successfully completed Doctor of Philosophy. Our faculty are also the Reviewer for Springer CCIS Series Conference Proceedings etc., They have also completed many ONLINE NPTEL courses to enhance their knowledge. To our pride we also inform that our faculty are Members / Chairman of the BOE, BOS of reputed Institutions / Universities and members in many Editorial Boards. They have also published many books and to enhance their knowledge, many FDPs and STTPs were conducted.

9. Alumni Achievement: Our Alumni is our Brand Ambassador. Many Alumni are in the topmost position in many MNCs and also in Government Sectors. To name a few Alumni of ME Department Mr. Rajesh Ponapean bagged 222 Rank in UPSC 2021, and Mr. Prajwal P Patil got selected for the Photonic Engineering Master's Degree in Ghent University, Belgium etc.,

10. In the academic year 2021-22, 851 students appeared for the final year exam out of which 819 students passed the final year exams and the pass percentage obtained was 96%.

for *[Signature]* 12/8/22
Principal/IQAC
PRINCIPAL
 The Oxford College of Engineering
 Bommanahalli, Hosur Road
 Bengaluru-560 088