



CHILDREN'S EDUCATION SOCIETY (REGD.)

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## **THE OXFORD COLLEGE OF ENGINEERING**

(Recognised 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 Recognised by UGC Under Section 2(f) Bommanahalli, Hosur Road, Bangalore –560068.

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### **Institutional Distinctiveness**

The vision insights to set a standard of excellence in engineering education, high-quality research in science & technology and personality development of the learners. To create a descriptive mark in aforementioned, the institute follows a distinctiveness approach.

#### **Academics:**

The students' academic excellence achieved by the high-quality standard curriculum delivery through Advanced Teaching, learning strategies & Methods. The focus is to ensure that students are graduating with skill expertise. Feedback is taken continuously from the students and stakeholders to assess the teaching skills of the faculty. Students' performance is also evaluated by conducting continuous assessment tests, assignments, projects etc. Students are exposed to learning in smart classrooms and are encouraged to give presentations in their domain to enhance learning and presentation skills. This structured orientation leads to visualizing the opportunities in the various field and approaches towards them.

#### **Research and Development:**

The college is already hosting research projects of faculty members funded by various agencies. The institution has taken various measures to facilitate smooth progress and implementation of the projects. The institution has taken firm steps to improve research aptitude among students by conducting seminars/symposia and facilitating student project works. Students are taught research methodology, so as

to foster research culture. We encourage students to actively participate in various academic events like IEEE conferences, etc., and it helps them to interact closely with the invited experts/scientists from various parts of the country. We also arrange visits to leading research institutions through collaborations to introduce various opportunities for the students to take research as a career. All these efforts have ignited scholastic aptitude among students. Many of our students have joined universities actively involved in research in the previous years to pursue higher studies.

### **Innovations & Entrepreneurship:**

Students are encouraged to develop the start-up ideas & innovations during their academic intern. The R&D committee & entrepreneurship committee motivates the students and provides guidance ship among them. The students are continuously encouraged to attend motivating programmes and awareness camps to recreate their innovative ideas. Best ideas are rewarded, and platforms to set up their ideas are created with the help of management or collaboration with the industries.

### **Social-Responsibility:**

Students' participation in co-curricular and extra-curricular activities enhances the path to face every problem with an all-rounded personality. Appreciation achieved in participating activities makes them strongly mingle with every other person socially during their team projects in the industry. Carrier Guidance, Counselling and structured training are provided to the students through the concerned committee. The students would shape up in to skilled leaders and responsible citizens by value-added education.

### **Use of Technology as a Force Multiplier:**

Institution has a clear-cut vision to be a technologically advanced campus and implement IT-based tools in most of its operations. It becomes imperative to put best practices in place to make stakeholder's tech savvy. In today's world, our firm belief is that appropriate and contemporary use of technology shall provide impetus to the future growth of Institution.

The deployment of IT resources ensures utilizing resources optimally for academic curriculum design and delivery, research as a mode of knowledge creation, office functions (administrative and logistics), and green initiatives. The application of Technology is best demonstrated in the following areas on campus:-

**Technology in Academics:** Technology in the Academic environment has positively impacted Teaching & Learning, Assessment & Attainment Process. We understand that in the contemporary education system, the focus from Guru-Shishya parampara on the teaching, learning, and evaluation process has shifted to Outcome Based Education (OBE). A Learning Management System (Initially MS Teams) along with an ERP system has been implemented to evaluate PEOs, POs, PSOs, and COs and measure the desired attainment during class participation.

**Technology in Institution Governance:** Institution has moved its operations into a robust ERP 'JUNO CAMPUS'. Currently, most of the Institution's major functionalities, viz. Student life cycle Management, HR practices, back office operations, hostel, Finance management, and documentation management is being maintained through the ERP system. This has provided a lot of transparency in the

process and builds stakeholders' trust. The Institution is able to manage its data and records in a much more effective and efficient manner.

**Technology Incubation:** TOCE's endeavour to promote research and development needs viable technology support. Initiatives have been taken to set up research laboratories and Centres in niche areas to create knowledge, Product Design & Development and provide training in advanced technologies. The centers are established in collaboration with industry and academic partners. Support has been received from DST, BIRAC, VGST, etc., and others to strengthen it further.

**Technology in Campus Management:** Institution is conscious of national priorities of the environment & its sustainability. The Institution has installed Sewage Treatment Plant on campus to ensure zero discharge. The initiatives for energy conservation include Solar Panels for Electricity and the use of LEDs. Most viable technologies are in place for a clean & green campus in line with Swachha Bharat Abhiyan. This has resulted in energy savings.

**Knowledge Resource Facilitation:** The Institution avails the National Knowledge Network connectivity such as NPTEL, Virtual Lab, etc.

Library with Library Software, Online Public Access Catalogue (OPAC), Institutional Repository, Helinet consortium access are a few facilities where technology is at the forefront. Technology to promote ethical practices is ensured by the use of Turnitin Software for plagiarism checks and monitoring. All project reports, dissertations, and thesis at the UG, PG, and Doctoral levels are checked to maintain ethical standards. In addition, the Institution also possess Strong & functional Alumni association.

**Supporting Documents:**

<http://theoxfordengg.org/pdf/7.3.1%20MOUs%20with%20other%20institutions%20for%20research%20activities.pdf>



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