



CHILDREN'S EDUCATION SOCIETY®  
THE OXFORD COLLEGE OF ENGINEERING



DEPARTMENT OF CIVIL ENGINEERING

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*Aug-dec 2017*



# **DEPARTMENT OF CIVIL ENGINEERING**

## **VISION OF THE DEPARTMENT:**

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

## **MISSION OF THE DEPARTMENT:**

M1 - To emphasize on basics of engineering as well as their applications relevant to the industry.

M2 - To serve the society with due consideration of economy, ecology and ethical issues of nation.

M3 - To sensitize the students and faculty to take up research and consultancy to be on par with international standards.

## **PROGRAM EDUCATIONAL OBJECTIVES:**

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.
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.

## 1. DEPARTMENTAL ACTIVITIES:

1. One day workshop on CAD has been conducted in the Department of Civil Engineering by CADD CENTER, Bangalore on 23rd September, 2016.
2. Two days “National Conference on Sustainable Engineering and Management” was



held at The Oxford College of Engineering on 26th and 27th May 2017.

one day workshop, two day national conference and project exhibition held at the oxford college of engineering

## 2. RESEARCH PAPERS PUBLISHED

1. Deepika R, Shivanand C G, Dr Amarnath k, “Performances study of high rise buildings with Diagrid and Hexagrid systems under dynamic loading” published in International journal of Engineering, science and computing, Vol 6, Issue 4, April 2016.
2. Ankita patil, B K Raghuprasad, Amaranth k “Performance Based Seismic Design of Tall R C Buildings With and Without in Plane Flexibility of Slabs” Published in International Journal of Engineering Research and Applied Sciences Volume 5, Issue 5 ,May 2016.

3. Vidya V, B K Raghu Prasad, Amaranth k “Soil Structure Interaction in Seismic response of Tall Buildings ” Published in International Journal of Engineering Research and Applied Sciences Volume 5, Issue 5 ,May 2016.
4. Dr. B K Raghuprasad, Dr Amarnath K, Ankitha Patil “Effect Of In-Plane Flexibility in Tall R C Buildings on the Pushover Curves” submitted the Abstract in Structural Engineers World Congress, April 2016.
5. Dr. B K Raghuprasad, Tejus. R. Meda, Dr. Amarnath K “Performance Design Of Tall Buildings” submitted the Abstract in Structural Engineers World Congress, April 2015.
6. Dr. B K Raghuprasad, Kavya A J, Dr. Amarnath K “comparative performance of octa grid and hexa grid Lateral Load Resisting Systems for Tall Building Structure” published in Journal of Engineering Research and Applications Vol 4 issue 11, November 2015.
7. Amarnath K, Muthu.K U & Prakash Desai “Deflection control of doubly Reinforced beams” published in International Journal of structures pp 43-47.
8. Mr Shivakumar, Prof Mahantesh N B, Dr. Amarnath K ” Influence of Ambient Curing on Reinforced Geopolymer Concrete in International Journal of Engineering trends and Technology(IJETT) Vol 28, Nov-Oct 2015.
9. Mr. Laxminarayan R Naik, Prof. Mahantesh N B , Dr. Amarnath .K, “Study on Flexural Behavior of Fly Ash based Reinforced Rectangular Geopolymer Concrete Slabs” International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, IJERTV4IS090653 Vol. 4 Issue 09, September-2015.
10. Dr. B K Raghuprasad, Dr Amarnath K, Ankitha Patil “Influence Of In-Plane Flexibility of Slabs on the Seismic Response of Tall R.C Building” submitted the Abstract in R.V. College of Engineering, April 2015.

### **3. STUDENTS ACHIEVEMENTS**

1. Kabbadi tournament won by civil engineering students conducted at The Oxford College of Engineering under VTU level.
2. Final year students have won Second Prize in Concrete Fair held at RVCE, Bangalore on 25/10/2016.

### **4. RESULTS OF THE STUDENTS IN VTU EXAMS**

Sl. No	Semester	USN	Name of the Student	Percentage (%)
1	VII	10X14CV401	Apoorva Kumar R	80
2		10X14CV412	Sharada Sharma	79
3		10X13CV057	Rajeshwari M	79