



METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE New Delhi | Affiliated to Osmania University, Hyderabad
Estd : 2008 Address : King Koti Road, Abids, Hyderabad, Telangana, 500001 | Email : principal@methodist.edu.in

DEPARTMENT OF CIVIL ENGINEERING

VISION

To evolve into a centre of excellence for imparting holistic civil engineering education contributing towards sustainable development of the society.

MISSION

- M1.** To impart quality civil engineering education blended with contemporary and interdisciplinary skills.
- M2.** To provide enhanced learning facilities and professional collaborations to impart a culture of continuous learning.
- M3.** To involve in trainings and activities on communication skills, teamwork, professional ethics, environmental protection and sustainable development.

PROGRAM EDUCATIONAL OBJECTIVES

Within three to five years of graduation, the Civil Engineering B.E. graduates are expected to:

- PEO 1:** Engage in planning, analysis, design, construction, operation and maintenance of built environment.
- PEO 2:** Apply the knowledge of civil engineering to pursue research or to engage in professional practice.
- PEO 3:** Work effectively as individuals and as team members in multidisciplinary projects with organizational and communication skills.
- PEO 4:** Demonstrate the spirit of lifelong learning and career enhancement aligned to professional and societal needs.

PROGRAM OUTCOMES

- PO1** Engineering knowledge
- PO2** Problem Analysis
- PO3** Design/development of solutions
- PO4** Conduct investigations of complex problems
- PO5** Modern Tool Usage
- PO6** The engineer and society
- PO7** Environment & sustainability
- PO8** Ethics
- PO9** Individual and Team work
- PO10** Communication
- PO11** Project Management and Finance
- PO12** Life-long Learning

PROGRAM SPECIFIC OUTCOMES

- PSO 1:** Investigate properties of traditional and latest construction materials using standard testing methods.
- PSO 2:** Use AutoCAD, STAAD Pro, ETABS, Revit Architecture and ANSYS software for computer aided structural analysis and design.
- PSO 3:** Describe the principles of sustainable development and green buildings for environmental preservation.

CIVIL TIMES

DEPARTMENT OF CIVIL ENGINEERING



Department Newsletter
December 2019

Editorial Board:

Chief:

Dr. Akshay S.K Naidu,
Professor & Head, CED,
MCET

Editorial Board

Members (Faculty):

Mr. R. Srikanth,
Assistant Professor

Mrs. M. Mary Soujanya,
Assistant Professor

Editorial Board

Members (Students)

Ms. Madina Sundus
Mr. G Sree Charith
Mr. M Uday Kumar
Mr. M Anil Kumar
Ms. K.Mounika

In Focus: The National Programme on Technology Enhanced Learning (NPTEL) was initiated by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore in 2003. Five core disciplines were identified, namely, civil engineering, computer science and engineering, electrical engineering, electronics and communication engineering and mechanical engineering and 235 courses in web/video format were developed in this phase. NPTEL began offering open online courses in March 2014 along with certificates from the IITs/IISc for those who completed the courses successfully.



Faculty Achievement: Many of the faculty have completed the NPTEL courses under this program and are been awarded with Elite, Elite Silver and Elite Gold certificates. The details of the course and their certificates are as mentioned:

1. **Ms Shaga Archana** - awarded with Elite Silver certificate for the course, "Remote Sensing & Digital Image Processing of Satellite Data".
2. **Ms Shaga Archana** - awarded with Elite Silver certificate for the course, "Design of Reinforced Concrete Structures".
3. **Dr Akshay S K Naidu** - awarded with Elite Gold certificate for the course, "Accreditation & Outcome Based Learning".
4. **Mrs P Kranthi** - awarded with Elite certificate for the course, "Waste Water Treatment & Recycling".
5. **Mrs S Deva Samyuktha** - awarded with pass certificate for the course, "Waste Water Treatment & Recycling".

During 2nd - 7th of December, 2019, Mr Shaik Mohd Imran, attended a 6 days FDP on AICTE Margdarshan on Outcome based Education, organized by GRIET Hyderabad.



During 30th September - 4th October 2019, Mr R Srikanth, completed a one-week online GIAN course on Road Traffic Safety, organized by IIT Roorkee.



During 15th-16th October 2019, Dr. Bandita Naik, Ms M. Madhuri, Pallavi Sirohi and Mr Shaik Mohd Imran, participated on two day All India Seminar on “Digital Technologies in Surveying, Mapping and Applications” at The Institute of Engineers India, Telangana State Centre in association with Geomap Society, Hyderabad.

During 18th – 20th December 2019, Mr. D. Bharath Naik and R. Srikanth has participated in Hydro-2019 International, 23rd International Conference on Hydraulics, Water Resources and River Engineering, organized by Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.

Dr Bandita Naik & S. Behera, presented a paper on “Boundary Shear Stress Distribution in Converging Compound Channel Flow Using Artificial Neural Network”, in Hydro-2019 International, held on 18th - 20th December 2019, organized by Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad.

Student Achievements

Mr. Syed Bilal Siddiq (160717732001), has won 1st Prize, in UAMAI National Muay Thai Championship, at Pune, Maharashtra on 15th – 18th November 2019.



Mr. G. Charith Reddy (160717732004), has participated in Workshops under ATOMS 2019, organized at BITS Pilani Hyderabad, during 18th & 19th October 2019.



INTERNATIONAL CONFERENCE PAPERS PUBLISHED BY THE FACULTY

1. A.Satapathy, A.K. Dandapat, **B. Naik**. Mathematical modelling of surface runoff using swat model and ArcGIS approach of Rushikulya river basin, Hydro-2019 International, 23rd International Conference on Hydraulics, Water Resources and River Engineering, 18 to 20 December 2019, Organized by Department of Civil Engineering University College of Engineering, Osmania University, Hyderabad.
2. P.P.Garnaik, **B. Naik**. Analysis and modelling of surface water quality of Bramhani river basin, Hydro-2019 International, 23rd International Conference on Hydraulics, Water Resources and River Engineering, 18 to 20 December 2019, Organized by Department Of Civil Engineering University College Of Engineering, Osmania University,Hyderabad.
3. M.Bal, A.K. Dandapat, **Bandita Naik**, Impact of land use land cover change on runoff by using ArcGIS and swat model approaches in Budhabalanga river basin, Hydro-2019 International, 23rd International Conference on Hydraulics, Water Resources and River Engineering, 18 to 20 December 2019, Organized by Department of Civil Engineering University College of Engineering, Osmania University, Hyderabad.
4. S. Behera, **Bandita Naik**. Boundary Shear Stress Distribution in Converging Compound Channel Flow Using Artificial Neural Network, Hydro-2019 International, 23rd International Conference on Hydraulics, Water Resources and River Engineering, 18 to 20 December 2019, Organized by Department of Civil Engineering University College of Engineering, Osmania University, Hyderabad.
5. P. Mishra, R. Padhee, **Bandita Naik**. Bivariate Drought Frequency Analysis Using Copula Approach, Hydro-2019 International, 23rd International Conference on Hydraulics, Water Resources and River Engineering, 18 to 20 December 2019, organized by Department of Civil Engineering University College of Engineering, Osmania University, Hyderabad.
6. S.Nayak, R.Padhee, **Bandita Naik**. Bivariate Flood Frequency Analysis Using Mixed Gumbel Method, Hydro-2019 International, 23rd International Conference on Hydraulics, Water Resources and River Engineering, 18 to 20 December 2019, organized by Department of Civil Engineering University College of Engineering, Osmania University, Hyderabad.
7. **Shaista Begum** and **P.Kranti** (2020), “Study on mechanical properties of binary and ternary blended recycled aggregate concrete,” RACEI-2019, International conference on recent advances in civil engineering infrastructure (With a focal theme of Sustainable Development Goals) Organized by Department of Civil Engineering Muffakham Jah College of Engineering and Technology 16th-18th December, 2019.