METHODIST
COLLEGE OF ENGINEERING & TECHNOLOGY
(An UGC-AUTONOMOUS INSTITUTION)

Accredited by NAAC with A+ and NBA
Estd : 2008 Affliated to Osmania University & Approved by AICTE

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
September 2022

In Focus

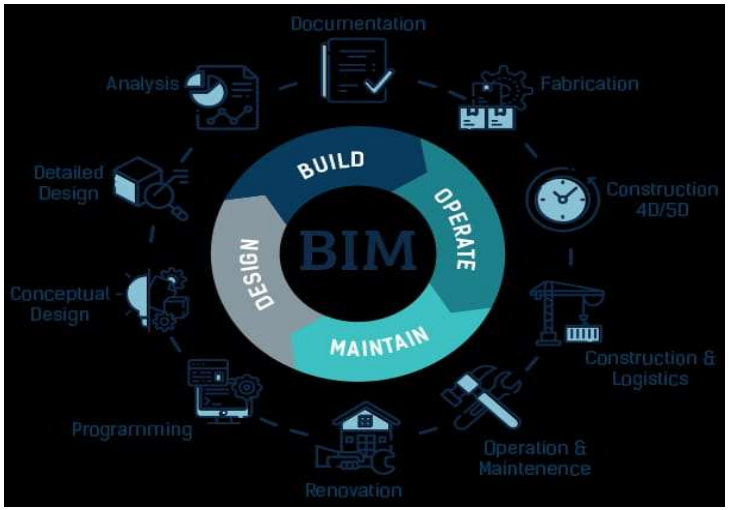
Empowering Futures: Successful BIM Training Program Conclusion by HOD Madam

I, Dr. Bandita Naik, HOD of the Civil Engineering Department, extend my heartfelt congratulations to the organizers and participants for the successful culmination of the 5-day BIM training program. Special thanks to trainers Mr. Vishnu, Mr. Kasim, and Mr. Nadeem for their invaluable time and support. Gratitude to the management, including the director and principal, for their unwavering encouragement.

I express sincere appreciation to our dedicated department staff and especially to Mr. Shahed Ali, the coordinator, for their support throughout the program. Hosting participants from 25 institutions across 6 states was a pleasure. Our primary aim was to equip faculty with Building Information Modeling concepts and tools, enhancing their technological skills for long-term professional growth. This program follows our successful training on REVIT Architecture in A.Y. 2019-2020, and we are committed to continuing such initiatives in the future.

Revolutionizing Construction: Unveiling the Power of BIM:

Building Information Modeling (BIM) stands as a transformative technology in the realm of civil engineering and construction. It's a collaborative process that leverages digital representations of physical and functional characteristics of structures. BIM integrates 3D modeling, data management, and various tools to streamline the entire lifecycle of a construction project, from planning and design to construction and operation. By fostering enhanced communication and coordination among architects, engineers, and stakeholders, BIM optimizes efficiency, minimizes errors, and facilitates better decision-making, ultimately resulting in cost savings and improved project outcomes.



At its core, BIM isn't merely about creating 3D models; it's a methodology revolutionizing how infrastructure is conceptualized, designed, constructed, and managed. By centralizing project information in a digital environment, BIM enhances collaboration, improves project visualization, and enables stakeholders to analyze and simulate different scenarios, thereby fostering a more sustainable and efficient approach to building design and construction.

Seminars/Webinars attended by the faculty:

S. No.	Event Date	Event Type	Event Details	No. of Attendees	Participants
1.	02.07.2022	Online Webinar	Quality control and Quality assurance in concrete constructions	1	Mrs. S. Deva Samyuktha

Students' Co-curricular achievements:

S. No.	Date	Name of the event	Venue	Name of the student	Type of Award/ Achievement
2.	29th& 30th	NIRMAAN 2022	COE, Osmania University	S. Jeevan Sai kumar (160720732303)	STAAD Pro Workshop Partticipation
3.	29th& 30th			Neelam Deekshitha devi (160720732308)	

Patents/Books published by the faculty:

- M. Sahu, S.T. Biswal, **B. Naik** "Loss Coefficient of Expansion in Diverging Channel River Hydraulics", pp 405-417 Part of the Water Science and Technology Library book series (WSTL, volume 110).
- Water quality monitoring for filter testing, Dr. Pandarinath Potluri, Dr. Bos Mathew Jos, Dr. Bandita Naik, Dr. Shiju George, Dr. Asha Joseph, Dr. Deepak Kumar.Dr. Pradeep Yadav, Ms. Rakhi Arora, Dr.Pasupuleti Subrahmanya Ranjit, Application no 202241045029. Date : 19-08-2022