

M.I.E.T. ENGINEERING COLLEGE

Trichy-Pudukkottai Road, Trichy-7

NEWSLETTER



VOLUME-01

**CIVIL
ENGINEERING**

2022-2023



DEPARTMENT OF CIVIL

ABOUT THE DEPARTMENT

The Department of Civil Engineering was launched in the academic year 2006-2007. In the year 2010 the Department was upgraded as a Post Graduate Department with the commencement of M.E. Structural Engineering. The Department maintains a constant focus on high quality of Teaching and Learning processes in Civil Engineering that makes the outgoing students confident in meeting the challenges arising out of technological advancement in the field. The Department offers B.E. Civil Engineering programme with the total annual sanctioned intake of 60, following the curriculum prescribed by Anna University, Chennai. The major subjects included are: Structural Engineering, Transportation Engineering, Water Resource Engineering, Geo technical Engineering, Environmental Engineering and Construction Management. The Department is under the constant care of a team of committed, qualified and student centric Teachers. Further, the learning activities are supported by several laboratories endowed with advanced instruments and equipment. The major laboratories are: Advanced Structural Engineering Lab, Computer Aided Design and Drafting Lab, Strength of Materials Lab, Applied Hydraulics Engineering Lab, Soil Mechanics Lab and Water and Wastewater Analysis Lab. These laboratories play a crucial role in imparting hands on experience and practical skills to the students. The department also encourages the students in organizing and conducting Seminars and Workshops on chosen field inviting participants from the other Institutions. In order to expose the students to recent technological advances, Guest Lectures are arranged inviting eminent Scientists, Technocrats, Industrialist and Professors from NIT-T and IIT-M. Industrial and Field visits are regularly arranged and the students are taken to Cement Factories, Brick making units, Railway Workshops, Tanning Industries, Dams and Reservoirs. These activities give the students an exposure to real work-space Environment. The Department is very much conscious of adverse changes in the environment and making efforts to modify and redesign in Civil Engineering education and training.

DEPARTMENT VISION

A knowledge hub in Civil Engineering sciences, contributing to the progress of humanity through innovative thinking, domain expertise and high ethical values.

DEPARTMENT MISSION

- To provide quality education through industry based value-added trainings and develop skilled Civil Engineers.
 - To nurture competent professionals trained in designing and implementing Civil Engineering systems and to perform professionally and ethically.
 - To provide a conducive environment that fosters aptitude for research, higher education, entrepreneurship skills, leadership quality, and lifelong learning.
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CHAIRMAN's MESSAGE

Being in the current world is not a hasty track, the responsibility of creating a high-quality educational institution is challenging and embellished with a host of initiatives which validate them over an extended time span. Moreover, in a world where time and space are compacted, there is a massive defy for success which necessitates knowledge, which is current, pertinent and based on real experience. In this situation, the education plays a paramount role in moulding, shaping and preparing youngsters to face the challenges of the future world. The Faculty with an outstanding academic background and sound conceptual knowledge of contemporary engineering studies and practices ably complete the process of converting the budding students into employable technocrats. Moreover, M.I.E.T strives hard to sensitize its students to the needs of the community and inculcate values like truthfulness, fortitude and acceptance of individual differences. That this whole process is completed keeping in mind the College Vision, Mission and Quality policy is an achievement that the Faculty takes pride.



Er. AMOHAMED YUNUS, B.E., M.Sc., Engg.
Chairman
M.I.E.T. Institutions

PRINCIPAL's MESSAGE

As the Principal of our esteemed college, I am immensely proud of all of you. You all have been inspiring us with your hard work and dedication, and have made us proud with your many achievements over the years.

As we look ahead to the future, I urge you to continue to strive for excellence and to never give up on your dreams. I am very happy with the progress the college has made by imbibing in its student's value-based education synergized with modern teaching-learning methods to produce a generation of well informed and emotionally sound generation. I am positive that in times to come we will continue this journey with elevated enthusiasm and persistently provide a platform of holistic learning to the young generation of learners. Our students graduate with the skills, mind sets and qualities that will best equip them for success. Come on let's give our best and make this institution a modern temple of learning through our diligence, devotion and dedication. Wishing you all the best...! in the world of the future. They are the future leaders and role models of society.



Dr. ANAVEEN SAIT, M.E, Ph.D
Principal
M.I.E.T. Engineering College

Participation in Inter-institution Events by Students

Many students have actively participated and won prizes in various events such as technical events in symposiums, workshops and seminars in various institutions. Students are motivated to undergo internship training and in plant training in companies.

Events within the State

Prizes/awards received in such events:

- ❖ T. Atchaya has participated Conference National Conference on Recent Trends and Innovation in Civil Engineering, NC-RTICE'22 in Kings College of Engineering, Pudukkottai on 9.6.22
 - ❖ Sheik mohamed. A has participated Conference National Conference on Recent Trends and Innovation in Civil Engineering, NC-RTICE'22 in Kings College of Engineering, Pudukkottai on 9.6.22
 - ❖ A. Mohammed aslam has participated Conference National Conference on Recent Trends and Innovation in Civil Engineering, NC-RTICE'22 in Kings College of Engineering, Pudukkottai on 9.6.22
 - ❖ S. Gurusaran has participated Conference National Conference on Recent Trends and Innovation in Civil Engineering, NC-RTICE'22 in Kings College of Engineering, Pudukkottai on 9.6.22
 - ❖ H. Jakir Hussian has participated Conference National Conference on Recent Trends and Innovation in Civil Engineering, NC-RTICE'22 in Kings College of Engineering, Pudukkottai on 9.6.22
 - ❖ S. Jasima Begam has participated Conference National Conference on Recent Trends and Innovation in Civil Engineering, NC-RTICE'22 in Kings College of Engineering, Pudukkottai on 9.6.22
 - ❖ S. Sathish Kumar has participated Conference National Conference on Recent Trends and Innovation in Civil Engineering, NC-RTICE'22 in Kings College of Engineering, Pudukkottai on 9.6.22
 - ❖ S. Gurusaran has Paper Presented in the Symposium at Kings College of Engineering, Pudukkottai on 21.9.22
 - ❖ A. Jakir Hussain has Participated got 1st Price in the Symposium “Code Carving” in Kings College of Engineering, Pudukkottai on 21.9.22
 - ❖ A. Jakir Hussain has Participated in the Symposium “Technical Quiz” Kings College of Engineering, Pudukkottai 21.9.22
 - ❖ M. Abdul Rahman has Participated in the Symposium “Technical Quiz” Kings College of Engineering, Pudukkottai 21.9.22
 - ❖ S. Gurusaran has Participated got 3rd Price in the Symposium “Technical Quiz” Kings College of Engineering, Pudukkottai 21.9.22
 - ❖ S. Gurusaran has participated 2nd Price in the Symposium “Model Making” at Kings College of Engineering, Pudukkottai on 21.9.22
 - ❖ A. Jakir Hussain has participated got 3rd Price in the Symposium “Model Making” at Kings College of Engineering, Pudukkottai on 21.9.22
 - ❖ J. Arshad Ahamed has participated got 2nd Price in the Symposium “Technical Quiz” Kings College of Engineering, Pudukkottai on 21.9.22
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- ❖ M. Abdul Rahman has Participated in the Symposium Code Carking Kings College of Engineering, Pudukkottai 21.9. 22
- ❖ S. Asker Ashif has Participated in two days Workshop on “E-Leadership” at Anna University, Bit Campus, Trichy from 29.09.2022 & 30.09.2022
- ❖ S. Krishna Moorthy has Participated in two days Workshop on “E-Leadership” at Anna University, Bit Campus, Trichy from 29.09.2022 & 30.09.2022



- ❖ X. Sherlin Swetha has Participated Symposium Model Making Dhanalakmi Srinivasan Engineering College, Perambalur on 30.09.2022
- ❖ N. Nishanthini has Participated Symposium Model Making Dhanalakmi Srinivasan Engineering College, Perambalur on 30.09.2022
- ❖ P. Vijaya Kumar has Participated in the Symposium “Scavenger Hunts” CK College of Engineering and Technology, Cuddalore on 30.09.2022
- ❖ P. Vijaya Kumar has Participated in the Symposium “Parallel Analogy” CK College of Engineering and Technology, Cuddalore on 30.09.2022
- ❖ P. Vijaya Kumar has Participated in the Symposium “Technical Quiz” CK College of Engineering and Technology, Cuddalore on 30.09.2022

- ❖ S. Thamarai Selvan has Participated in the Symposium “Parallel Analogy” CK College of Engineering and Technology, Cuddalore on 30.09.2022
- ❖ S. Thamarai Selvan has Participated in the Symposium “Technical Quiz” CK College of Engineering and Technology, Cuddalore on 30.09.2022
- ❖ S. Thamarai Selvan has Participated in the Symposium “Scavenger Hunts” CK College of Engineering and Technology, Cuddalore on 30.09.2022
- ❖ S. Thamarai Selvan has participated got 3rd Price in the Symposium “Poster Presentation” CK College of Engineering and Technology, Cuddalore on 30.09.2022



- ❖ T. Atchaya has Participated in the Symposium “State Level Workshop on Skill Upgradation In Art and Painting” at St.Joseph's College, Trichy on 21.10.2022
- ❖ T. Atchaya has Participated in the Symposium “Paper Presentation” Dhanalakmi Srinivasan Engineering College, Perambalur on 30.09.2022
- ❖ A. Faisal Ahamed has participated got 1st Price in the Symposium “Bis-Your-Best” at Sastra University, Thanjavur on 14.10.2022 & 15.10.2022
- ❖ K. Asif has participated got 1st Price in the Symposium “Bis-Your-Best” at Sastra University, Thanjavur on 14.10.2022 & 15.10.2022

- ❖ A. Muhammad Aslam has participated got 1st Price in the Symposium “Bis-Your-Best” at Sastra University, Thanjavur on 14.10.2022 & 15.10.2022
- ❖ S. Thamarai Selvan has participated got 1st Price in the Symposium “Bis-Your-Best” at Sastra University, Thanjavur on 14.10.2022 & 15.10.2022
- ❖ T. Atchaya has participated got 1st Price in the Symposium “Bis-Your-Best” at Sastra University, Thanjavur on 14.10.2022 & 15.10.2022



- ❖ Guest Lecture on Radioactivity in Building materials delivered by Dr. P. Shahul Hameed, Research Advisor, M.I.E.T. Engineering College, Trichy on 4.8.2022



Events outside the State:

Naveen Kumar has Participated “Project Expo State level project expo” NRI Institute of Information science and technology, Bhopal on 6.12.22

S. Gurusaran has published paper on E3S Web of Conferences-ICSTCE-2023 “Experimental study on concrete behavior with partial replacement of m-sand with unexpanded perlite” , Pune
<https://doi.org/10.1051/e3sconf/202340503020>

Participation of Staff from the Program:

Number, quality of Engineering Events (Organized at Institute Level- Institute, State/National/International)





❖ Workshop on Short Term Course on STAAD Pro delivered by Dr. P. V. Premalatha, Professor, M.I.E.T. Engineering College, Trichy from 16.8.2022 to 21.8.2022





❖ **Guest Lecture** on Integrated Waste Management delivered by Dr. G. Venkatesan, Department of Civil, Anna University (BIT campus), Trichy on



❖ **Workshop** on Short term course on ABAQUS delivered by Mr. P. Varun kumar, Senior Design Engineer, L&T Ltd., Chennai on from 28.9.2022 to 30.9.2022 and from 7.10.2022 to 10.10.2022



❖ **Workshop on RCC Structural Detailing** Dr. K. Pandi & Mr. S. Arunshayaraj M.I.E.T. Engineering College, Trichy on from 17.6.22 to 23.6.22



❖ **Inauguration Function for Civil Engineering Students Association (CESA) and Guest Lecture on Professional Engineering practices & Project management** delivered by Mr. P. Manoharan, Retired General Manager, BHEL, Trichy, on 5.12.2022



List of Research Publications in Journals and Conferences

- ❑ P. V. Premalatha, L K Rex, N. Bharath kumar & A Cyril Thomas Assessment of Radioactivity in Textile Sludge Incorporated Bricks, Indian Journal of Engineering & Materials Sciences, 2023 ISSN: 0971-4588



International conference

- ❑ Dr. P. V. Premalatha, Advanced technologies in chemical, construction and mechanical sciences (ICATCHCOME-2023) An experimental investigation on self-healing concrete using “Bacillus subtilis”.



- ❑ Dr. P. V. Premalatha, Earth Retaining Structures and Stability Analysis, Lecture Notes in Civil Engineering 303, Structural Behavior of Partial Seepage Barriers for Variations in Depth of Pervious Stratum.

- ❑ Dr. P. V. Premalatha, Earth Retaining Structures and Stability Analysis, Lecture Notes in Civil Engineering 303, Finite Element Analysis of Back-To-Back Mechanically Stabilized Earth Wall.

International conference

- ❖ P. V. Premalatha has presented a paper ICEITE'22 An Experimental Investigation on Self-Healing Bio-Concrete capable of Retaining its own crack, July 2022
- ❖ P. V. Premalatha has presented a paper in Global Conference on Recent Advancement in Sustainable Materials Profound probing of Groundnut Shell Ash (GSA) as Pozzolanic Material in making innovative sustainable construction material

National Conference

- ❖ P. V. Premalatha has presented a paper in NC-RTICE'22 Flexural behavior of Hybrid fiber reinforced beam, June 2022
- ❖ P. V. Premalatha has presented a paper in NC-RTICE'22 Experimental Investigation on Concrete reused aggregate and Silica fume, June 2022

Patent Details

- Mr. B. Sekar has published a patent on "Safety management system for construction site workers" 202241030743-A on 17/06/2022

NPTEL Course

- Mr. B. Sekar has Attended NPTEL Course and FDP
 - Mr. S. Arunsahayaraj has Attended NPTEL Course and FDP
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DEPARTMENT OF CIVIL ENGINEERING

Chief Editor : Dr. P. V. Premalatha

Faculty Editor : Mr. B. Sekar

Student Editor : S. Guru Saran

T. Atchaya

A. Jakir Hussain