

M.I.E.T. ENGINEERING COLLEGE CIVIL ENGINEERING

MAGAZINE



2019 - 2020

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M.I.E.T. ENGINEERING COLLEGE, TRICHY -7

DEPARTMENT OF CIVIL



Chairman's Message

Being the current world 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 molding, shaping and preparing youngsters to face the challenges of the future world. We at M.I.E.T.

Er. A. Mohamed Yunus B.E.,M.SC.(ENGG.) motivate and empower our students to be enduring **Chairman – M.I.E.T. Institutions.** learners, critical thinkers and prolific members of an ever-changing global society. Also, the students are encouraged to channelize their potential in the pursuit of fineness in a holistic and student-centered environment. 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. I am confident that M.I.E.T. will always be a bonfire of light guiding the fate of its students, while blistering kindness and compassion as it ascends high in its pursuit of academic excellence and accomplishment of our motto “Humanize, Equalize, Spiritualize”. To ensure the same, we have an excellent portfolio of industry professionals and academicians on our faculty, who provide a holistic view of the shades of engineering and managerial operations to our students. The students are prepared to enrich their careers by endowing them with the necessary talent and critical thinking to become self-directed learners and prolific citizens contributing positively to the society.



Dr. A. Naveen Sait, M.E., Ph.D.
Principal - M. I. E. T. Engineering College

Principal's Message

M.I.E.T. Strives to make a better world through education, research and innovation. The institution functions with a motto of accelerating this great Nation's industrial development with its highly skilled and qualified technocrats. I extend a warm welcome to all the students and scholars who choose M.I.E.T. as a preferred destination for their higher education and research.

Certainly, the institution serves as a territory of

happy learning with great fun and joy. It provides a peaceful and creative learning environment with ample opportunities to develop their curricular, co-curricular and extra-curricular activities. The college has modern infrastructure, state of art laboratories, well qualified trained and dedicated faculty members to cater the needs of its stakeholders. We at M.I.E.T. ensure that the student community is completely satisfied with the facilities available and the management is committed to fulfill the needs, when and where required. The institute has been deeply committed to develop and motivate the young talents to take up the challenge they face after graduation. The institute will definitely continue to contribute for development and growth of young minds.

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, and 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 equipments. 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 students are encouraged to participate National and Regional Level Seminars, Workshops and Conferences organized by Research organizations such as CECRI, SERC, BHEL and Institutes of Excellence like NITs and IITs. 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 Alumni are occupying high position in overseas construction industries, Government Departments and many of them have established their own construction Industries. In view of changing environment leading to climate change and consequent adverse effects such as high temperature, cyclone, and heavy rainfall, the safety of dwellers in the buildings need to be protected. 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.

VISION AND MISSION OF THE INSTITUTION AND DEPARTMENT

VISION OF THE INSTITUTION

To be a center of excellence in Technical Education through Technical, Ethical and Professional skills for meeting the diverse needs of the Society, in particular Muslim minority community and the Nation.

MISSION OF THE INSTITUTION

- ❖ To impart Quality Education, Training and Research in the fields of Engineering and Technology.
- ❖ To provide a conducive learning environment that enables the students to achieve professional and personal growth.
- ❖ To expose the contemporary issues of society, ethical practices and to create environmental awareness.
- ❖ To provide the required infrastructural facilities for developing the professional and innovative skills.

VISION OF THE DEPARTMENT

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

MISSION OF THE DEPARTMENT

- ❖ 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.

DEPARTMENT ACTIVITIES

Number of events organized through IGS Students Forum and Department Association - CESA

Sl. No.	Date	Name of the event	Resource person
1.	21.8.2019	Griha Concepts of Green Building (Guest Lecture)	Er.A.Bhaskar,M.S. A.E,CPWD, Trichy.
2.	18.10.2019	HR Conclave (Guest Lecture)	Ms.K.R.Abirami,HR Malar Energy & Infrastructure, Trichy
3.	9.12.2019 to 14.12.2019	Analysis and Design of Steel Structures using STAD PRO Software (Workshop)	Mr. S.Suresh, M.I.E.T. Engineering College, Trichy.
4.	11.1.2020	Estimation and Quantity Surveying (Guest Lecture)	Er.G.Gopi Karthik, Proprietor GS Engineering Services Tanjore
5.	30.1.2020	Be a Professional (Guest Lecture)	Er.K.Ramaganesan,M.E.,(Ph.D) President, Civil Engineers Association Tiruchirappalli (CEAT)
6.	8.2.2020, 15.2.2020, 23.2.2020 & 29.2.2020.	Primavera (Workshop)	Mr.G.Santhanam, Centre Director, TCIL-IT Education & Training, (A Govt. of India Enterprise)
7.	22-2-2020	ACME' 20 National Level Technical (Symposium)	Dr.M.Krishnan, Asst. Engineer, TWAD Board, Erode.
8.	20.2.2020	Water Resources and Irrigation Management (Guest Lecture)	Prof.P.Chidambaram, Sr.Training Consultant, Irrigation Management and Training Institute

Research and Development

List of Research Publications in Journals and Conferences

Sl. No.	Title of the Paper	Name of the authors	Name of the Journal	Year of Publication	ISSN number	Category
1.	Studies on combined chemo-mechanical pretreatment on fish waste for bio-fuel production	P.Sivaanuma, K. Pandi, T.Ramalakshm, P. Ramesh	International Journal of Advanced Research and Development	2020	2455 - 4030	-
2.	Studies on strength and durability properties of rice husk ash concrete	T.Ramalakshm, K. Pandi, P.Ramesh	International Journal of Academic Research and Development	2020	2455 - 4197	-
3.	Study on optimum utilization of groundnut shell ash and cashew nut shell ash in concrete	K. Pandi	Caribbean Journal of Science	2020	0008 - 6452	-
4.	Experimental investigation on partial replacement of coarse aggregate by waste glass and cement by sisal fiber	B.Sekar and K.Kalaivanan	International Conference on New Scientific Creations inEngineering and Technology	2020	-	-
5.	Partial waste of recycled glass by fine aggregate in concrete	K.Pradeep and S.Arunsayara j	International Conference on New Scientific Creations inEngineering and Technology	2020	-	-

6.	Comparison of UASB and EGSB Reactor Performance on the Anaerobic Digestion of Real time Tannery Wastewater	Vivekanandhan. V and Mohan. S	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	2349 - 5162	-
7.	Study on optimum utilization of groundnut shell ash and cashew nut shell ash in concrete	Pandi K, Anandakumar Ramaswamy, Ganesan K	Caribbean Journal of Science	2019	0008 - 6452	SCIE

STUDENT ACHIEVEMENTS

Industrial training/tours for students

Students studying in engineering would benefit personally and professionally by going on an industrial visit. This is a standard part of our institute's schedule, especially for those pursuing professional degrees. The major goal of an industrial visit is to offer students a hands-on experience with the industry's internal workings and morality. Our Institution's department heads realized that students need more than just a theoretical background for success in the profession, and so they have prioritized giving them opportunities to get experience in real-world settings through industrial visits and internships. This training and visit will help students put what they have learned into practice by exposing them to real-world scenarios and procedures.

Industrial Visit Details:

SI. No	Place of visit	Date	Year /No. of Students Attended
1.	Dodabetta Tea Factory-Ooty	28.09.2019	III Year Civil (41 students)
2.	D.P World, India Gate Terminal PVT Ltd-Cochin	03.09.2019	IV Year Civil (60 students)

Placement Details

Sl.No.	Name of the student placed	Enrolment no.	Name of the Employer	Appointment letter reference no. with date
1.	Ms. Abinaya. N	E1161002	Surya informatics solution PVT ltd Chennai	30.08.2019
2.	Mr. Ahamed Rashith. M.A	E1161003	Surya informatics solution PVT ltd Chennai	30.08.2019
3.	Mr. Arvind. N	E1161005	Habitat Form construction, Chennai & Tanjore	03.03.2020
4.	Mr. Ashik Ahamed. N	E1161006	RNS Construction, Tirunelveli	03.03.2020
5.	Mr. Azarudheen. A	E1161008	Alpha Builders	03.03.2020
6.	Mr. Baalaji. M	E1161009	Byjus, Bangalore	12.02.2020
7.	Mr. Fais Ahamed. S	E1161012	SSB Ready Mix Concrete, illupur, Pudukottai	03.03.2020
8.	Mr. Gunaseelan. S	E1161014	SM Bharathi Constructions	12.02.2020
9.	Mr. Ijas Ahamed. M	E1161017	SM Bharathi Constructions	12.02.2020
10.	Ms. Kavitha. G	E1161018	I Cube Constructions, Chennai	12.02.2020
11.	Mr. Mohamed Ashik. A	E1161024	Habitat Form construction, Chennai & Tanjore	03.03.2020
12.	Mr. Mohamed Faizal. M	E1161025	Surya informatics solution PVT ltd Chennai	30.08.2019
13.	Mr. Mohamed Harun. S	E1161026	Alpha Builders	03.03.2020
14.	Mr. Mohamed Ali. S	E1161027	RNS Construction, Tirunelveli	03.03.2020
15.	Mr. Mohamed Riyaz. M	E1161028	Vel Construction	03.03.2020
16.	Mr. Mohamed Imran. M	E1161029	SSB Ready Mix Concrete, illupur, Pudukottai	03.03.2020
17.	Mr. Mohamed Sajith. A	E1161030	RNS Construction, Tirunelveli	03.03.2020

18.	Mr. Mohamed Thanweer. S	E1161031	SSB Ready Mix Concrete, illupur, Pudukottai	03.03.2020
19.	Mr. Mohamed Thariq. H	E1161032	Habitat Form construction, Chennai & Tanjore	03.03.2020
20.	Mr. Mohamed Yaseer. A.R	E1161033	Honey builders, Trichy	03.03.2020
21.	Mr. Mohamed Yunus. A	E1161034	Infinevod,Chennai	03.03.2020
22.	Mr. Mohammed Aadil Makhdoom. H	E1161035	Alpha Builders	03.03.2020
23.	Mr. Mohammed Abbas. K	E1161036	SM Bharathi Constructions	12.02.2020
24.	Mr. Mohammed Iliyas. I	E1161037	RNS Construction, Tirunelveli	03.03.2020
25.	Mr. Naresh Kannan. G	E1161038	SM Bharathi Constructions	12.02.2020
26.	Mr. Parthiban. S	E1161040	Surya informatics solution PVT ltd Chennai	30.08.2019
27.	Mr. Ramjan Ali. J	E1161041	Vel Construction	03.03.2020
28.	Mr. Sahul Hameed. M	E1161042	Habitat Form construction, Chennai & Tanjore	03.03.2020
29.	Mr. Saleem. A	E1161043	SSB Ready Mix Concrete, illupur, Pudukottai	03.03.2020
30.	Mr. Sameerudeen. B	E1161044	Surya informatics solution PVT ltd Chennai	30.08.2019
31.	Mr. Shameer Ahamed. M	E1161045	Infinevod,Chennai	03.03.2020
32.	Mr. Sivaranjan. P	E1161046	Surya informatics solution PVT ltd Chennai	30.08.2019
33.	Mr. Surendhiran. S	E1161048	RNS Construction, Tirunelveli	03.03.2020
34.	Mr. Syed Mohamed. M	E1161049	Surya informatics solution PVT ltd Chennai	30.08.2019
35.	Mr. Thamizuddin. T	E1161050	Habitat Form construction, Chennai & Tanjore	03.03.2020
36.	Mr. Thariq Ahmed. S	E1161051	Surya informatics solution PVT ltd Chennai	30.08.2019

37.	Mr. ThaslimKausar. S	E1161052	SM Bharathi Constructions	12.02.2020
38.	Mr. Vasanth Kumar. K	E1161054	RNS Construction, Tirunelveli	03.03.2020
39.	Mr. Yasin. M	E1161055	Surya informatics solution PVT ltd Chennai	30.08.2019
40.	Ms. Kaosalya. K	E3161083	Vel Construction	03.03.2020
41.	Mr. Abdullah. K	E2171056	Surya informatics solution PVT ltd Chennai	30.08.2019
42.	Mr. Aravind. S	E2171057	Surya informatics solution PVT ltd Chennai	30.08.2019
43.	Mr. Arivunithi. J	E2171058	Vel Construction	03.03.2020
443	Mr. Azarudeen. U	E2171059	I Cube Constructions, Chennai	12.02.2020
45.	Mr. Azgar Shariff. M	E2171060	Surya informatics solution PVT ltd Chennai	30.08.2019
46.	Mr. Kavin. S	E2171064	Vel Construction	03.03.2020
47.	Mr. Kirupa Shankar. T.G	E2171065	I Cube Constructions, Chennai	12.02.2020
48.	Mr. Loganathan. D	E2171066	SM Bharathi Constructions	12.02.2020
49.	Ms. Maheswari. T	E2171067	Surya informatics solution PVT ltd Chennai	30.08.2019
50.	Mr. Mohamed Imran. S	E2171068	I Cube Constructions, Chennai	12.02.2020
51.	Mr. Mohamed Wasim. A	E2171070	SM Bharathi Constructions	12.02.2020
52.	Ms. Nandhini. N	E2171071	Surya informatics solution pvt ltd chennai	30.08.2019
53.	Mr. Praveen Kumar. P	E2171073	SM Bharathi Constructions	12.02.2020
54.	Mr. Ramkumar. R	E2171074	SM Bharathi Constructions	12.02.2020
55.	Mr. Shahul Hameed. M	E2171075	Honey builders, Trichy	03.03.2020
56.	Mr. Shajahan. M	E2171076	I Cube Constructions, Chennai	12.02.2020

57.	Mr. Sheik Sabeer. S	E2171077	SM Bharathi Constructions	12.02.2020
58.	Mr. SulthanSahi. A	E2171080	SM Bharathi Constructions	12.02.2020
59.	Ms. Vinodha. J	E2171081	Honey builders, Trichy	03.03.2020
60.	Mr. Vivek. S	E2171082	Casagrاند, Chennai	12.02.2020

Participation in Inter-institute 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.

Prizes/awards received in such events:

S.No	Year	Date	Name of the Student	Name of the Program	Name of the event	Name of the Host College Institute	Prize Awarded
1.	IV Year	28.2.20	S.Gurusaran	Symposium	Fuzzy Cluzzy	CARE College of Engineering, Trichy	1 st Prize

Events within the State

Sl. No.	Year	Date	Name of the Student	Name of the Program	Name of the Event	Name of the Host College / Institute	Participation
1.	II	2.8.19 to 7.8.19	A.Abuthalip	Workshop	Recent Trends in Geotechnical Engineering	NIT, Trichy	Participated
2.	II	2.8.19 to 7.8.19	M.Pugalenthil	Workshop	Recent Trends in Geotechnical Engineering	NIT, Trichy	Participated
3.	II	2.8.19 to 7.8.19	A.Abdullah	Workshop	Recent Trends in Geotechnical Engineering	NIT, Trichy	Participated
4.	II	2.8.19 to 7.8.19	N.Mohammed Fazil	Workshop	Recent Trends in Geotechnical Engineering	NIT, Trichy	Participated
5.	II	2.8.19 to 7.8.19	A.MohamedJ obar	Workshop	Recent Trends in Geotechnical Engineering	NIT, Trichy	Participated
6.	IV	22.1.20	G.Kavitha	Symposium	Product fabrication	Cauvery College for Women, Trichy	Participated
7.	IV	22.1.20	K. Kaosalya	Symposium	Product fabrication	Cauvery College for Women, Trichy	Participated

8.	IV	22.1.20	H.Mohammed Aadil Makhdoom	Symposium	Tap pycoon	Cauvery College for Women, Trichy	Participated
9.	II	25.2.20	S.Irshadh Ahamed	Symposium	Paper presentation	Anna University, Bit Campus, Trichy	Participated
10.	II	25.2.20	M. Vasim Khan	Symposium	Paper presentation	Anna University, Bit Campus, Trichy	Participated
11.	IV	28.2.20	S.Gurusaran	Symposium	Fuzzy Cluzzy	CARE College of Engineering, Trichy	1 st Price
12.	II	10.3.20	M. Vasim Khan	Symposium	Clay Modelling	Indra Ganesan College of Engineering, Trichy.	Participated
13.	II	10.3.20	M. Vasim Khan	Symposium	Unlock Equips	Indra Ganesan College of Engineering, Trichy.	Participated
14.	II	10.3.20	M. Vasim Khan	Symposium	Code Cracking	Indra Ganesan College of Engineering, Trichy.	Participated

Gallery



D.P World, India Gate Terminal Pvt. Ltd.- Cochin



Student's Industrial Visit



Dodabetta Tea Factory-Ooty.



Griha Concepts of Green Building(Guest Lecture)

Er.A.Bhaskar,M.S.A.E,CPWD,Trichy.



HR Conclave (Guest Lecture)



Ms.K.R.Abirami,HR
Malar Energy & Infrastructure,Trichy



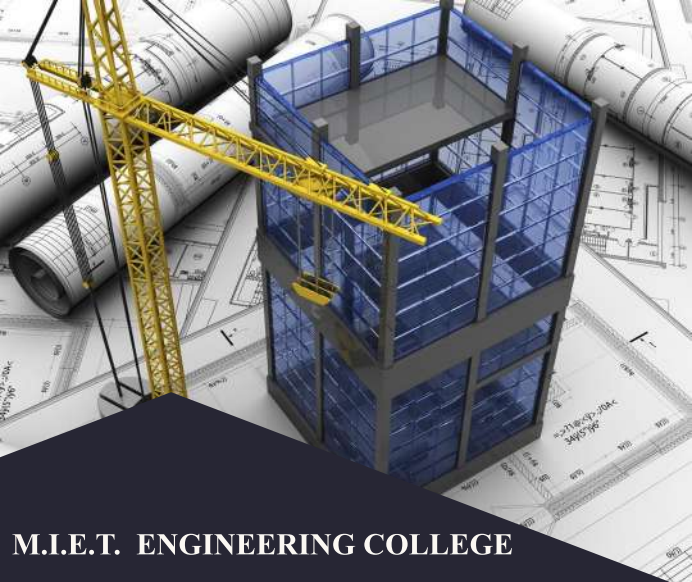
ACME' 20

National Level Technical (Symposium)



Dr.M.Krishnan,

Asst. Engineer, TWAD Board, Erode.



M.I.E.T. ENGINEERING COLLEGE

Trichy-Pudukkottai Road, Gundur, Tiruchirappalli-7

**Approved by AICTE, Affiliated to Anna University,
Chennai.**