

M.I.E.T. ENGINEERING COLLEGE

Trichy-Pudukkottai Road, Trichy-7

NEWSLETTER



VOLUME-1

**CIVIL
ENGINEERING**

2020-2021



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

Department Activities

- ❑ Seminar on “Engineering Nexus with Current Industry Practices and Standards” delivered by Mr.Srinivas Anumala, AGM TATA Projects Limited, Hyderabad, on 29.9.2020.
- ❑ Seminar on “Career Options for Civil Engineers” Mr.G.Santhanam, Centre Director, TCIL-IT Education & Training, (A Govt. of India Enterprise) on 7.10.2020.



Seminar on “Engineering Nexus with Current Industry Practices and Standards”

Research and Development

1. L. K. Rex and P.V.Premalatha, Structural Performance of Concrete Beams with Micro-Reinforcement Strengthened with GFRP Laminates under Monotonic Loading, Journal of Testing and Evaluation, 2020, ISSN 0090-3973, E-ISSN 1945-7553.
2. V.S. Sethuraman, L.K. Rex, D.S. Vijayan, A.P.Aroumugame, and A.Vallavan, Study on Utilization of Burr Wastes as Micro-reinforcements in Concrete to Overcome Disposal of Hazardous Material in Environment, Journal of Green Engineering, 2020, ISSN 1904-4720,
3. T. Neelambari and L.K. Rex, Analytical and Experimental Study on PVC and GI Coated Weld Mesh Ferrocement Slabs, International Research Journal of Modernization in Engineering Technology and Science, 2020,
4. V.S. Sethuraman, L. K. Rex, and Gomathi Nagajothy, Burnt ash from Hazardous Prosopis Juliflora Plant as a Pozzolanic Replacement Material in Cement, International Journal of Advanced Science and Technology, 2020
5. V. Gokulnath, and B. Saravanan Dinesh Kumar, L.K. Rex, V.S. Sethuraman, High performance glass fiber reinforced concrete, Materials Today: Proceedings, 2020
6. F. Mohammed Suhail and S.Balaji, A Review on the Structural Behavior of Cold-Formed Steel Beam-Column Joints, International Journal of Advanced Science and Technology (IJAST), 2020
7. P.Ramesh, K.Pandi, S. Ganesh ammal @ Gomathi, Studies on Strength and Durability Properties of Concrete with Partial Replacement of Cement in Phosphogypsum, International Research Journal of Innovations in Engineering and Technology (IRJIET), 2020
8. S. Janarthanam, S. Arun Sahayaraj, Partial Replacement of Low-Density Polyethylene by Fine Aggregate in Concrete, International Conference on New Scientific Creations in Engineering and Technology, 2020
9. A.Mohamed Ashik Raja and B.Sekar Experimental investigation on partial replacement of fine aggregate by wood ash on concrete, International Conference on New Scientific Creations in Engineering and Technology, 2020

List of Papers presented in the Conference by faculties:

International conference 2020

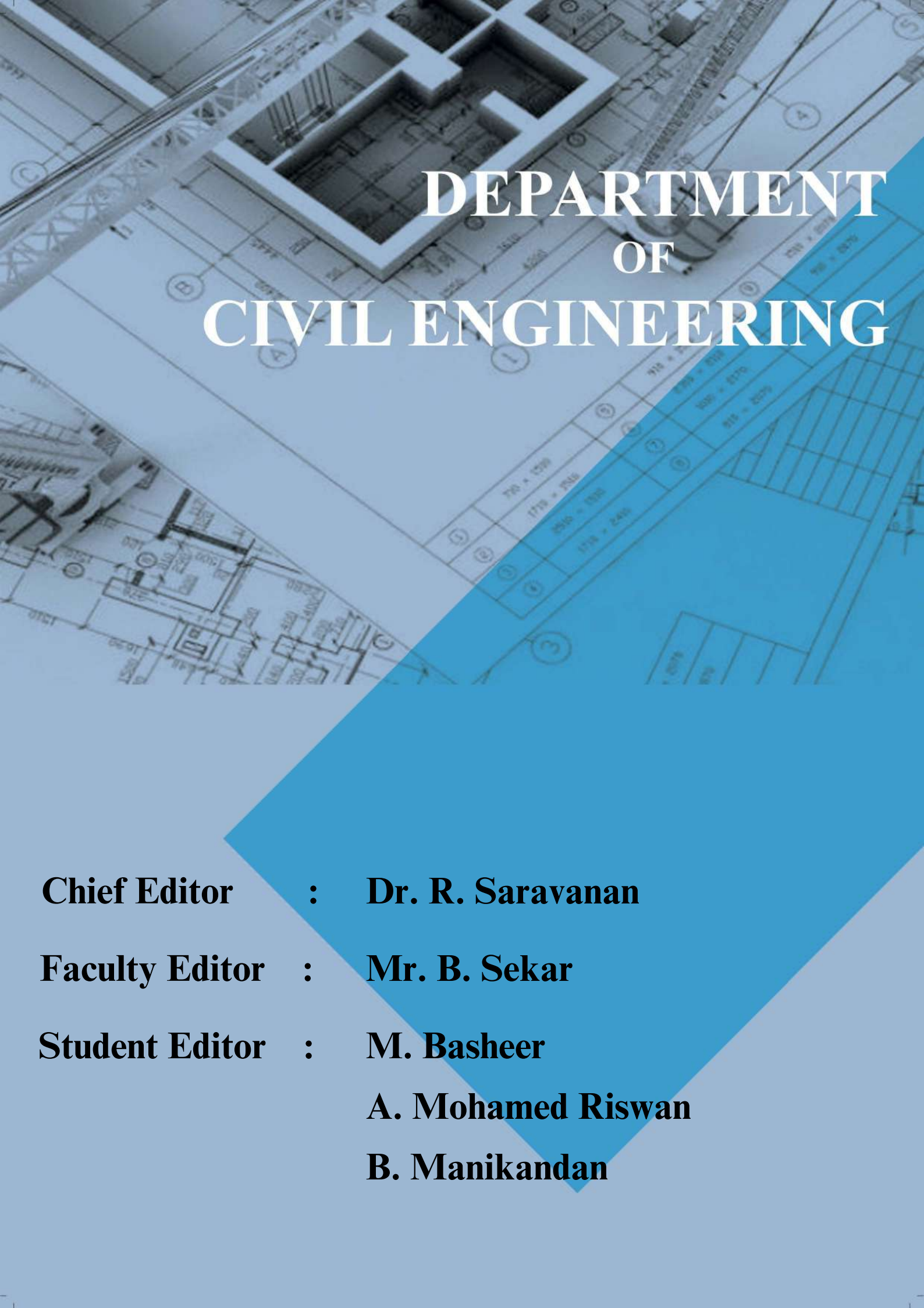
1. Dr. R. Saravanan has participated in (THE3E 2020) on March 2020
 2. A . Belin Jude has presented a paper in (ICRACE'20) Experimental investigation of calcium admixtures on recycled aggregate concrete
 3. A . Belin Jude has presented a paper in (ICNSCET-2K20) Experimental investigation of lathe scrap and GGBS in concrete
 4. S.Arun Sahayaraj has presented a paper in (ICNSCET-2K20) Partial replacement of recycled waste glass by fine aggregate in concrete
 5. S.Arun Sahayaraj has presented a paper in (ICNSCET-2K20) Partial replacement of low density polyethylene by fine aggregate in concrete
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National Conference

- ❖ L. K. Rex has presented a paper in (NCRASEM-2020) Analytical and Experimental study on PVC and GI coated Weld mesh Ferro cement Slabs-March 2020

Patent Details

- ❖ Dr. A. Belin Jude has published patent “Structural model for health monitoring on RC elements using IOT” Ref. No. 202041034241-A published on 04/09/2020.
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DEPARTMENT OF CIVIL ENGINEERING

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