

CIVIL DEPARTMENT

NEWSLETTER

The best creator next to god are

.....Civil Engineers!

VISION

To be a human and technical resource centre to meet the needs of the construction industry

MISSION

Impart students the knowledge of principles and practices of Civil Engineering and shape them to meet the expectations of the industry



EVENTS

Inaugural of Civil
Engineering Associations
Guest Lectures
Value Added Courses
FDP
Workshops

DEPARTMENT PROFILE

The Department of Civil Engineering, started in the year 2009, offers BE (Civil Engineering), ME (Construction Engineering & Management) & ME (Structural Engineering). The department activities are planned with dual inputs from Industry and reputed academic bodies in the state. Also, the department strengthens its core activities periodically with inputs from industry, civil engineers and contractors, some of whom are trustees of the Institution. In addition to regular academic activities, the department strives to transform students into a pragmatic Civil Engineer by involving them in solving field problems with needed guidance from faculty members.



Dr. K. E. VISWANATHAN M.Tech., Ph.D.

Head & Associate professor

Dr. G. RAMASAMY M.Tech., Ph.D.

(Professor, IIT-Roorkee, Retd.)

Prof. G. SRINIVASAN M.E.

(IISC ~ Structural Engineering)

Dr. G. S. THIRUGNANAM M.E.

(Structural Engineering), Ph.D.

EDITORS IN CHIEF**Dr. K.E. Viswanathan**

Head of the Department

Mr. P. Nallasamy

Assistant professor

STUDENT EDITORS**Mr. S. Dharunkumar**

IV Year

Mr. C.B. Raswanth

IV Year

Ms. C. Elamathi

III Year

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Builders Engineering College,
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- ÷ **Faculty Achievements**
- ÷ **Students Achievements**
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DEPARTMENT PROGRAMME EDUCATIONAL OBJECTIVES

- Graduates will achieve recognition in Civil Engineering profession as practicing Engineers and consultants. Provide technical services to leading organizations in diverse areas promoting professional and moral ethics.
- Graduates recognized for their professional and technical competence to provide sustainable solutions to societal problems.
- Graduates are nurtured to engage in continued learning through professional development and cognizant of emerging issues.

ABOUT THE INSTITUTION

Builders Engineering College (Formerly known as Erode Builder Educational Trust's Group of Institutions) was established by Erode Builder Educational Trust (EBET) in the year 2009 as an integrated campus and presently functioning as a technical campus. It offers six UG Programmes (BE - Civil, CSE, ECE, EEE, Mechanical and B.Tech - AI&DS) with an intake of 330 students and four PG Programmes (ME - CEM, STR, CSE and MBA) with an intake of 114 students. Stepping into the fourteenth year of service, the Management, CEO, Principal and faculty members are committed to elevating the lives of budding rural aspirants through academics and research. The Chief Patrons are the pioneers in the field of infrastructure and construction all over India.

VISION

To be the most preferred knowledge provider.

MISSION

Builders Engineering College endeavors to prepare rural students for successful career through academic and applied research.

FROM HoD DESK



Civil Engineering is a versatile and evergreen branch of engineering. Civil Engineer can work in various fields like construction engineering, quality engineering, design engineering, maintenance engineering, power plant engineering, etc. and most importantly in software field also. Department has well qualified and dedicated faculty with well-developed laboratories. We impart quality engineering education through sound theoretical knowledge, hands on laboratory as well as computational skill and exposure to recent technologies by visiting industries & expert talk. We provide opportunities for students to participate in various technical and sports events and competitions. This newsletter is an attempt to highlight the achievements of the department, in spite of the space constrain we have showcased the best and look forward to have more in the future on a half early editions. I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter.

Dr. K.E. Viswanathan

Head of the Department

STUDENTS PARTICIPATION

Date	Name of the Student	Name of the Event/Title	Organizer
22-04.2022	S. Akash Priyadarshan	Paper Presentation	MPNMJ Engineering College
22-04.2022	K. Azhagu Saravanan	Paper Presentation	MPNMJ Engineering College
30.03.2022	K. Azhagu Saravanan	Paper Presentation	Kongu Engineering College
28.05.2022	K. Azhagu Saravanan	Mind Blogger	Shree Venkateswara Hi-tech Engineering College
28.05.2022	K. Azhagu Saravanan	Symposium- uses of waste in road construction	Shree Venkateswara Hi-tech Engineering College
28.05.2022	K. Azhagu Saravanan	Quiz	Shree Venkateswara Hi-tech Engineering College
28.05.2022	R. Aanandh Prakash	Seepage in Canals Symposium	Shree Venkateswara Hi-tech Engineering College
30.03.2022	G.T.S. Gunavarshali	Paper Presentation	Kongu Engineering College
28.05.2022	R. Kaviya	Seepage in Canals Symposium	Shree Venkateswara Hi-tech Engineering College
30.03.2022	R. Aanandh Prakash	Mind Blogger	Shree Venkateswara Hi-tech Engineering College
28.05.2022	R. Kaviya	Paper Presentation	Shree Venkateswara Hi-tech Engineering College
28.05.2022	S. Ishwarya	Symposium-Self cleaning road	Shree Venkateswara Hi-tech Engineering College
07-05-2022	S.T. Meiyambu	Tug of War	Youth & Sports Development Association of Tamilnadu
05-05-2022	S.T. Meiyambu	Placement & Carrier guidance	Kongu Engineering College
08-05-2022	K. Chinnappa	Kho-Kho	Youth & Sports Development Association of Tamilnadu

STUDENTS ACHIEVEMENTS



Second-year Civil Department students excelled at the symposium held by MPNMJ College on April 30, 2022. They secured the first prize in paper presentation and the second prize in the Quiz competition. Their achievements showcase their academic prowess and dedication to excellence in diverse academic arenas.

On April 5, 2022, Final year Civil Engineering students secured positions as Graduate Engineering Trainees at URC Construction Private Limited. Their roles involve delving into diverse conceptual topics within the construction domain. This accomplishment underscores their academic proficiency and readiness for professional endeavors in the field.



On May 15, 2022, second-year students achieved top honors by clinching the first prize in a paper presentation contest held at Sri Venkateswara Hi-tech Engineering College. Their success underscores their academic diligence, research capabilities, and effective presentation skills in the engineering domain.

During the 22nd Junior State Tug of War Championship 2022, Mr. Sharansurya A, a second-year student, displayed remarkable strength and skill. Competing in the 560kg weight class on March 19th and 20th, 2022, his participation exemplified dedication and sportsmanship, reflecting his commitment to competitive events and showcasing his enthusiasm for physical challenges.




FACULTY AWARDED WITH Ph.D




Name of the Faculty	Year	Name of the University	Title of Research
Dr. K.E. Viswanathan	19.01.2022	Anna University, Chennai	Seismic Microzonation of Coimbatore Corporation
Dr. P. Eswaramoorthi	22.03.2022	Anna University, Chennai	Significance of natural fibers in enhancing the mechanical and durability properties of polypropylene fiber reinforced concrete.

FACULTY PUBLICATIONS

Name of the Authors	Title of the Article	ISSN No.	Name of the Journal
Dr. P. Eswaramoorthi Mr. P. Nallasamy Dr. K.E. Viswanathan	Experimental Investigation on Geopolymer Concrete with Hybrid Fibers	2454-9665	International Journal of Innovative research in science & Engineering
Mr. A. Madhan Mr. L. Reena Dr. K.E. Viswanathan Dr. G. Ramasamy	Design of gravel road on poor subgrade soil	2394-1537	International Journal of science Technology and Management
Mr. V. Gowrishankar Mr. V. Sasi Kumar Mr. D. Senthilkumar	Progressive Collapse Analysis of High Rise Building Using Linear Static Procedure	2319-8354	International Journal of Advance Research in science & Engineering
Mr. S. Satheesh Kumar Dr. G. Suresh Ms. D. Nithya	A review - Impact communication systems in Organisation performance and project success in Construction industry.	2394-1537	International Journal of science Technology and Management
Mr. D. Nithya Mr. S. Satheesh Kumar	Comparative study on effect of potable water and treated water on concrete.	2348-7550	International Journal of Advance Research in science

FACULTY NPTEL CERTIFICATIONS

Name of the Faculty	Title of the Paper	Certificate
Ms. D. Nithya	Technical English for Engineers	 <p>The certificate is awarded to NITHYA D for successfully completing the course Technical English for Engineers with a consolidated score of 85 %.</p> <p>Online Assignments: 18.33% Practical Exam: 66.75% Total number of candidates certified in this course: 2052</p> <p>Prof. Anand Sengupta, Director, NPTEL</p>

Name of the Faculty	Title of the Paper	Certificate
Ms. D. Nithya	Geology and Soil Mechanics	
Mr. A. Madhan	Development and Applications of Special Concretes	
Mr. V. Gowrishankar	Development and Applications of Special Concretes	

INDUSTRIAL VISIT



Tamilnadu Agricultural University, Coimbatore on 28.04.2022

On April 28, 2022, third-year students embarked on a comprehensive educational excursion to Kochi, which spanned two days dedicated to industrial exploration and a single day devoted to a visit to Tamil Nadu Agricultural University in Coimbatore.

During their two-day industrial visit in Kochi, students immersed themselves in various industrial settings, experiencing firsthand the practical applications of their academic knowledge. They had the opportunity to witness the inner workings of different industries, gaining insights into the processes and operations that drive economic activities within the region. This hands-on experience allowed them to bridge the gap between theoretical concepts learned in the classroom and their real-world applications, fostering a deeper understanding of industrial practices.

Furthermore, the one-day visit to Tamil Nadu Agricultural University provided students with a unique insight into the dynamic field of agriculture and rural development. Interacting with faculty members and researchers, they explored innovative farming techniques, sustainable agricultural practices, and strategies for rural development. This exposure broadened their understanding of agriculture's role in shaping rural economies and communities, enriching their academic journey with practical insights and experiences.

PROGRAMMES ATTENDED BY FACULTY MEMBERS

Date	Name of the Coordinator	Title	Institution
27.01.2022	Mr. S. Satheeshkumar	Essentials for an Engineer	Erode Sengunthar Engineering College, Erode
07.01.2022 & 08.01.2022	Mr. D. Senthilkumar	Expert lectures on Indian Infrastructural Projects and their Growth	HUB
12.01.2022	Mr. D. Senthilkumar	High performance Concrete and its Application	ICI,Salem Centre
27.01.2022	Mr. D. Senthilkumar	Essentials for an Engineer	Erode Sengunthar Engineering College, Erode
02.02.2022	Mr. D. Senthilkumar	Making good Concrete -Better	ICI,Salem Centre
07.02.2022 to 11.02.2022	Mr. D. Senthilkumar	Sustainable Development in Civil Engineering	Karpagam Academy of Higher Education ,Coimbatore
27.01.2022	Mr. V. Gowrishankar	Essentials for an Engineer	Erode Sengunthar Engineering College, Erode
17.01.2022 to 21.01.2022	Mr. V. Gowrishankar	Waste to wealth	K.S. School of Engineering & Management
15.01.2022	Mr. V. Gowrishankar	Performance Evaluation of Concrete Road	UltraTech Cement Ltd.
04.03.2022 to 05.03.2022	Mr. V. Gowrishankar	Recent Advaaaaancements in Enviro-structural confluence	Mahendra Engineering College, Nammakal
26.02.2022	Mr. V. Gowrishankar	Bridges with External Prestressing , Future of Bridges Construction in India	UltraTech Cement Ltd.
28.02.2022 to 05.03.2022	Mr. V. Gowrishankar	Recent Trends in Civil Engineering	Mailam Engineering College, Vilupuram
17.01.2022 to 21.01.2022	Mr. V. Sasi Kumar	Waste to wealth	K.S.School of Engineering & Management
27.01.2022	Mr. V. Sasi Kumar	Essential for an Engineer	Erode Sengunthar Engineering College, Erode
02.02.2022	Mr. V. Sasi Kumar	Making good Concrete -Better	ICI,Salem Centre
03.02.2022	Mr. V. Sasi Kumar	Product Life Cycle Management	JCT College of Engineering and Technology
07.02.2022 to 11.02.2022	Dr. P. Eswaramoorthi	Sustainable Development in Civil Engineering	Karpagam Academy of Higher Education ,Coimbatore
27.01.2022	Dr. P. Eswaramoorthi	Essentials for an Engineer	Erode Sengunthar Engineering College, Erode
27.01.2022	Dr. P. Eswaramoorthi	Geotechnical Engineering - An Overview	Builders Engineering college
07.02.2022 to 11.02.2022	Ms. L. Reena	Sustainable Development in Civil Engineering	Karpagam Academy of Higher Education ,Coimbatore

Date	Name of the Coordinator	Title	Institution
27.01.2022 to 30.01.2022	Ms. D. Nithya	She Leads -Empowering Women Together	St.Joseph's College of Engineering, Chennai
02.02.2022	Ms. D. Nithya	Making good Concrete -Better	ICI, Salem Centre
07.02.2022 to 11.02.2022	Mr. P. Nallasamy	Sustainable Development in Civil Engineering	Karpagam Academy of Higher Education , Coimbatore
17.02.2022 to 21.02.2022	Mr. P. Nallasamy	Resource recovery & reuse; waste to wealth	K.S. School of Engineering & Management
17.02.2022 to 11.02.2022	Mr. P. Nallasamy	Resource recovery & reuse; waste to wealth	K.S. School of Engineering & Management
18.03.2022	Mr. P. Nallasamy	Intellectual Property Rights(IPR)	NSKD Techno Research & Innovation Solution
18.03.2022	Mr. P. Nallasamy	Modern Materials,Advanced Technologies for Infrastructure & Modelling of mechanical behaviour of composite Materials	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
27.01.2022	Mr. R. Ashok	Essentials for an Engineer	Erode Sengunthar Engineering College, Erode

ALUMNI MEET (TALK SERIES)



Mr. M. Tharunkumar alumni of Civil Department , batch 2014-2018 had an interactive session on “Construction practices in Marine Structures” on 03.04.2022. The "Construction Practices on Marine Structures" webinar aims to equip participants with a holistic understanding of the complexities and nuances involved in constructing robust and resilient marine structures. By exploring innovative practices, materials, and technologies, participants will gain valuable insights to enhance the efficiency, durability, and sustainability of marine construction projects.

PRACTICAL TRAINING FOR STUDENTS



Students of third year had a practical exposure on survey “Four landing of Oddanchatram-Dharapuram section of SH-37” undertaken by RCCL on 26.02.2022.



Students of final year undergone survey work for hotel Apoorva, Oddanchatram on 26.05.2022.