

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
Ms. K. Kiruthika

IV Year

Mr. S. Akashpriyadharshan

III Year

Ms. R. Subashreenithi

II Year

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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 represents a versatile and enduring field within the realm of engineering. Civil Engineers possess the flexibility to engage in a multitude of sectors, including construction, quality assurance, design, maintenance, power plant operations, and notably, software development. Our department is fortunate to host a team of highly qualified and committed faculty members, complemented by well-equipped laboratories. We prioritize the delivery of high-quality engineering education through a multifaceted approach. This includes fostering a solid theoretical foundation, providing hands-on laboratory experiences, honing computational skills, and exposing students to cutting-edge technologies through industry visits and expert lectures. Furthermore, we actively encourage student participation in a diverse array of technical and athletic events and competitions. These opportunities not only promote teamwork and collaboration but also allow students to showcase their talents and skills on various platforms. In this newsletter, we endeavor to spotlight the noteworthy achievements of our department.

Dr. K.E. Viswanathan

Head of the Department

STUDENTS ACHIEVEMENTS



CHAMPIONS

Mr. T. Santhosh

II - Civil

Mr. S. Nishanth

II - Civil

Mr. A. Sharansurya

II - Civil

Mr. T. Santhosh, Mr. S. Nishanth, and Mr. A. Sharansurya competed in the 22nd Seniors State Tug of War Championship 2022 on October 01 & 02, 2022, at GKM College of Engineering & Technology, Chennai. They secured the first prize in the under 600 kg weight class.

- Mr. Suboth Venkatesh Prasanna, Mr. S.T. Meiyambu and Mr. M. Gnanasekaran from second year had secured 2nd place in the event Brick modelling in SYNECTICS'22 organised by Nandha Engineering College held from November 23, 2022 to November 25, 2022.
- Ms. V. Vaishnavi, a third-year student, successfully completed the NPTEL course titled "Water Supply Engineering." Her accomplishment demonstrates her dedication to expanding her knowledge in the field of civil engineering and her commitment to academic excellence.
- Ms. R. Kaviyaa, Mr. K. Azhagu Saravanan, Mr. S. Akash Priyadharshan, Mr. R. Aanandh Prakash from III Year Won First Prize in Paper Presentation in National Level Technical Symposium organized by MPNMJ Engineering College.



3rd POSITION

Mr. T. Santhosh

II - Civil

Mr. T. Santhosh competed in the 35th Senior Tug of War National Championships held from October 28, 2023, to October 31, 2022. He achieved the third position in the 640 kg weight class, demonstrating his skill and determination in the competition.

PROFESSIONAL ACTIVITIES

Date	Associated with Professional Society/Chapter/ Student Association	Name of the Event	Name of the Organizer/ Resource person
26.06.2022	EDCEA	Concept and Application of Post Tensioning	Er.M.Geo Damin, GM, SF Engineering Systems (India) Pvt. Ltd.
26.06.2022	EDCEA	Application of Post Tensioning	Er.R.Kumaresh, MD, SF Engineering Systems (India) Pvt. Ltd.
17.09.2022	CREA	Civil Engineering association Inugraul	Er. D. Shanmugam BE, FIV Yes and Yes infracon (P).Ltd.

ALUMNI MEET



The Department of Civil Engineering hosted a virtual Alumni Meet on September 18, 2022, focusing on "Theory to practical exposure" led by Er. M. Amath Noorani. This session aimed to deepen participants' comprehension and appreciation of the practical dimensions inherent in Civil Engineering, offering insights into real-world applications of theoretical concepts. Through this engagement, attendees gained valuable perspectives on bridging theory with practice, enhancing their professional acumen and readiness for the challenges of the field. The event underscored the department's commitment to holistic education and its endeavor to equip students and alumni alike with practical knowledge and skills.

PROGRAMMES ATTENDED BY FACULTY


Date	Name of the Coordinator	Title	Institution
21.11.2022 to 25.11.2022	Mr. A. Madhan	Sustainable Development with Innovations in Civil Engineering	Velammal College of Engineering and Technology
25.07.2022 to 10.10.2022	Mr. A. Madhan	Geometric Design of Highways	NPTEL-AICTE
21.11.2022 to 25.11.2022	Mr. P. Nallasamy	Sustainable Development with Innovations in Civil Engineering	Velammal College of Engineering and Technology
21.11.2022 to 25.11.2022	Mr. V. Sasi Kumar	Sustainable Development with innovations in Civil Engineering	Velammal College of Engineering and Technology
23.06.2022 to 27.06.2022	Mr. P. Nallasamy	Futuristic research scope in Civil Engineering	CK College of Engineering and Technology
23.06.2022 to 27.06.2022	Mr. V. Sasi Kumar	Futuristic research scope in Civil Engineering	CK College of Engineering and Technology
21.11.2022 to 25.11.2022	Ms. L. Reena	Sustainable Development with innovations in Civil Engineering	Vellammal College of Engineering and Technology
21.11.2022 to 25.11.2022	Dr. P. Eswaramoorthi	Sustainable Development with innovations in Civil Engineering	Vellammal College of Engineering and Technology
26.06.2022	Dr. K.E. Viswanathan	Post Tensioning	Erode District Civil Engineering Association
21.11.2022 to 25.11.2022	Mr. V. Gowrishanagr	Sustainable Development with innovations in Civil Engineering	Vellammal College of Engineering and Technology
21.11.2022 to 25.11.2022	Mr. R. Ashok	Sustainable Development with innovations in Civil Engineering	Vellammal College of Engineering and Technology




INTERNSHIP TRAINING BY STUDENTS

Name of the Students	Name of the Company	Duration
Mr. P. Mani Mr. B. Mohammed Bazir Mr. T. Karthik Mr. S. Chandirasekar Mr. V. Tamilselvan	Ramalingam Construction Company Pvt. Ltd. (RCCL)	18.07.2022 to 30.07.2022
Ms. S. Krishnaveni Ms. D. Gobika Ms. S. Shamini Ms. R. Yamuna Ms. C. Elamthi Ms. M. Nandhni Ms. T. Nandhni Ms. T. Karthika	V. Sathyamoorthy & Co, Namakkal	18.07.2022 to 30.07.2022
Ms. S.S. Jayasree Ms. S. Sneha Ms. S. Yogapriya Ms. K. Kiruthika Ms. K. Kalaivani Ms. S. Susila Ms. V. Banumathi Ms. P. Suganthi	CMK Projects Pvt. Ltd.	18.07.2022 to 30.07.2022
Mr. C. Manoj Kumar Mr. S. Kaviyarasu Mr. S. Senthil Kumar Mr. A. Yuvaraj Mr. S. Manikandan	P&C Projects Pvt. Ltd., Erode	18.07.2022 to 30.07.2022
Ms. K. Kavitha Ms. V. Kavitha Ms. S. Ishwarya Mr. R. Sachithanandan Mr. R. Santhosh Mr. K. Pradeepsudhan Mr. M. Senthil Kumar Mr. P. Aswin Mr. R. Gowthaman Mr. R. Iyyappan Mr. G. Nethaji Mr. S. Deepakraja Mr. C. Aravind	Teemage Precast In, Tiruppur	18.07.2022 to 30.07.2022

FACULTY NPTEL CERTIFICATIONS

Name of the Faculty	Title of the Paper	Certificate
Mr. A. Madhan	Geometric Design of Highways	 <p>The certificate is awarded to MADHAN A for successfully completing the course Geometric Design of Highways with a consolidated score of 68 %. Online Assignments: 25.66(25) Practiced Exam: 40.51(75) Total number of candidates certified in this course: 34 July 2022 (12 weeks course) NPTEL (National Programme on Technology Enhanced Learning)</p>

NPTEL RECOGNITION

Name of the Faculty	Title of the Paper	Certificate
Ms. D. Nithya	NPTEL DISCIPLINE STAR	

INDUSTRIAL TRAINING FOR STUDENTS



DSB Brick Manufacturing Site, Dharapuram

On July 26, 2022, the Department of Civil Engineering organized industrial training for its students at the DSB Brick Manufacturing Site in Dharapuram. This hands-on experience aimed to provide students with practical insights into the manufacturing processes of clay bricks, utilizing both manual and machine techniques. The training session offered an invaluable opportunity for students to bridge the gap between theoretical knowledge acquired in the classroom and real-world applications in the industry. By witnessing the intricate methods involved in brick manufacturing firsthand, students gained a deeper understanding of the complexities and nuances of the process. Engaging with industry professionals and observing the operations at the manufacturing site enabled students to grasp the intricacies of clay brick production comprehensively. They learned about the various stages involved, from raw material preparation to the firing and curing processes.

Furthermore, the training enhanced students' problem-solving skills as they encountered challenges and learned to troubleshoot issues in a practical setting. It also fostered teamwork and collaboration among the students as they worked together to understand and execute manufacturing tasks. Overall, the industrial training at the DSB Brick Manufacturing Site served as a vital component of the students' education, offering them invaluable hands-on experience and preparing them for future careers in civil engineering. It provided a platform for students to apply their theoretical knowledge in a real-world context, equipping them with essential skills for success in the industry.



Tamilnadu Agricultural University, Coimbatore

On September 26, 2022, the Department of Civil Engineering organized industrial training for its students at Tamilnadu Agricultural University, Coimbatore. This training aimed to expose students to sustainable practices and organic farming, bridging knowledge between Civil Engineering and other disciplines. Through hands-on experience, students learned about sustainable agricultural techniques applicable to both civil and non-civil engineering practices. The training covered a wide range of topics, including soil conservation, water management, and renewable energy integration. By understanding the principles of organic farming and sustainable practices, students gained insight into holistic approaches to environmental management and resource utilization. This industrial training not only broadened students' perspectives but also equipped them with valuable skills for addressing contemporary challenges in engineering with a focus on sustainability and environmental consciousness.

SURVEY CAMP



The Department of Civil Engineering conducted a five-day "Survey Camp" for third-year students aimed at practical application of survey knowledge in the field. From June 02 to 07, 2022, students underwent training on instrument operation within the college campus.

Activities included selecting a traverse, group division, efficient surveying using instruments, and plotting the traverse onto a graph.

The resource persons overseeing the camp were Dr. K.E. Viswanathan, the Head of Department, and Mr. D. Senthilkumar, the Surveying Camp Coordinator. This camp provided students with hands-on experience in survey methodologies, enhancing their practical skills and understanding. By engaging directly with surveying instruments and techniques, students gained invaluable insights into real-world applications of their academic learning. The camp's structured activities and expert guidance facilitated comprehensive learning and skill development among participants. Such practical experiences are essential for aspiring civil engineers, equipping them with the necessary tools and knowledge to excel in their future endeavors in the field of civil engineering.