

# 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.



Mr. 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****Mr. 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,  
Nathakadaiyur, Kangeyam Tk., Tirupur Dt.,  
Tamilnadu, India - 638 108.

**within this** *Issue*

- ÷ **About the Institution**
- ÷ **From HoD Desk**
- ÷ **Programmes Organised**
- ÷ **Faculty Publications**
- ÷ **Faculty Achievements**
- ÷ **Students Achievements**

## **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.



**Mr. K.E. Viswanathan**

Head of the Department

## PROGRAMMES ORGANIZED

### Webinar on “Major aspects & their application in a live project” on 02.06.2021

Resource Person

**Dr. K. Srinivas**

Professor  
NAC-Hyderabad

The Civil Engineering Department held an interactive session on “major aspects & their application in a live project” on 02.06.2021, highlighting project management's broad applications and its role in achieving organizational goals. Aimed at professionals and students interested in effective project management principles.

### Webinar on "Build Sustainability" on 10.10.2021

Resource Person

**Ar. Dinesh Jeyachandran**

Architect, Aakamuru Design Studio  
Madurai

On October 10th, 2021, our Civil Engineering Department hosted a webinar titled "Build Sustainability" featuring Ar. Dinesh Jeyachandran, an architect from Aakamuru Design Studio in Madurai, aiming to enrich our students' knowledge.

## Guest lecture on “Innovative Approach in Highway Bridge Design & Maintenance”



Resource Person

**Er. M. Ravikumar**

Deputy General Manager  
L&T-IDPL

The Department of Civil Engineering conducted an interactive session on “Innovative Approach in Highway Bridge Design and Maintenance” on 20.11.2021. He explored the embrace innovative methods that redefine the standards of design and maintenance in this critical domain. The main objective of the guest lecture is to gain the knowledge of innovations in design and maintenance strategies for longevity.

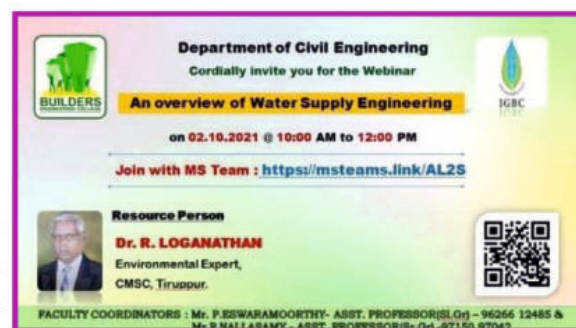
## Webinar on “An Overview of Water Supply Engineering” on 02.10.2021

Resource Person

**Dr.R.Loganathan**

Environmental Expert  
CMSC, Tiruppur

The Department of Civil Engineering conducted a webinar session on “An Overview of water Supply Engineering” on 02.10.2021. It is designed to provide participants with a comprehensive understanding of the fundamental principles, practices, and innovations in the field of water supply. With a focus on ensuring access to safe and sustainable water sources. Also Discussed practical solutions and best practices for overcoming challenges related to water scarcity, pollution, and infrastructure maintenance.



## Webinar on “Geotechnical Engineering – An Overview” on 29.09.2021

Resource Person

**Dr. G. Ramasamy**

Department of Civil  
BEC, Kangayam



The Department of Civil Engineering conducted a webinar session on “Geotechnical Engineering – An Overview” on 29.09.2021. The webinar is crafted to provide participants with a comprehensive introduction to the principles, methods, and applications of geotechnical engineering. Geotechnical engineering plays a pivotal role in the successful design and construction of infrastructure projects.

## WEBINAR ORGANISED

Date	Name of the Coordinator	Title
02.06.2021	Ms. D. Nithya	Earthquake Resistant Design of structures
22.06.2021	Ms. L. Reena	Soil Investigation And Design of Foundation-Case Studies

## MEMORANDUM OF UNDERSTANDING



### Civil Engineering – MoU with Birdscale Technologies, Coimbatore on 18.12.2021

The recent signing of a Memorandum of Understanding (MoU) marks a significant milestone between the Civil Department of Builders Engineering College and Birdscale Technologies based in Coimbatore. This collaboration aims to address the prevalent gap between industry practices and academic teachings.

The primary objective of this MoU is to establish a robust bridge between academia and industry. By fostering closer ties, both parties endeavor to enhance the practical relevance of academic programs while promoting innovation and research within the industry.

Through this partnership, Builders Engineering College seeks to integrate real-world insights and experiences into its curriculum, ensuring that students are equipped with the skills and knowledge necessary to thrive in professional environments. Birdscale Technologies, on the other hand, gains access to fresh talent, research opportunities, and potential collaborative projects, further enriching its endeavors in the field.

Together, this MoU sets the stage for fruitful exchanges, mutual growth, and the advancement of both academic and industrial domains in the region.

## FACULTY NPTEL CERTIFICATIONS

Name of the Faculty	Title of the Paper	Certificate
Ms. D. Nithya	Geotechnical Engineering Laboratory	
Ms. D. Nithya	Soil Mechanics/Geotechnical Engineering I	

## STUDENTS PARTICIPATION

Date	Name of the Student	Name of the Event/Title	Organizer
01.09.2021	S. Vasudevan	Crea 21 Drandmaster	Mr. K.R. Arvind
01.09.2021	T. Tamilselvan	Crea 21 Drandmaster	Mr. K.R. Arvind
01.09.2021	S. Vasudevan	CREA 21 Chess	Mr. K.R. Arvind
24.09.2021	M. Nirmala devi	English Speech competition	Ms. D. Nithya
26.09.2021	A. Magesh	Dubsmash Competition	Mr. M. Suresh
28.09.2021	K. Azhagu Saravanan	Introduction of Autocad	Cadd Centre Training Service
11.10.2021	S. Manikandan	Dubsmash Competition	Mr. Thirumalaikumaran
30.10.2021	A. Ajith	Tamil Debate	Ms. D. Nithya
24.11.2021	S. Nishanth	Tug of War International Federation	MPNMJ Engineering College, Chennimalai
24.11.2021	T. Santhosh	Tug of War International Federation	MPNMJ Engineering College, Chennimalai

## WORKSHOPS ORGANIZED

Date	Faculty Name	Title
10.09.2021 to 12.09.2021	Mr. S. Satheeshkumar	PlanCAD Next AUTOCAD
27.10.2021	Ms. D. Nithya	Mandala Workshop for SIP-21

## STUDENTS ACHIEVEMENTS



In the 34th National level Tug of War Championships Tournament, held on November 25, 2021, Mr. S. Nishanth, A. Sharan Surya, and T. Santhosh, all from the second year, demonstrated exceptional prowess, securing the prestigious first position. Their victory underscores not only their individual skills but also the collective strength and teamwork they exhibited throughout the competition. Their achievement reflects dedication, discipline, and perseverance, bringing honor not only to themselves but also to their institution. Their success serves as an inspiration and a testament to the potential and talent present within their ranks.

## ALUMNI MEET - WEBINAR

Date	Faculty Name	Title	Attended
05.08.2021	Mr. S. Satheeshkumar	Precast Construction	II,III,IV Year Students & Staffs
03.10.2021	Mr. S. Satheeshkumar	Girls In Construction Industry	II,III,IV Year Students & Staffs
14.11.2021	Mr. S. Satheeshkumar	Construction Industries Expectations from Young Engineer	II,III,IV Year Students & Staffs
05.12.2021	Mr. S. Satheeshkumar	Journey Thru ENTREPRENEURS	II,III,IV Year Students & Staffs

## **PROGRAMMES ATTENDED BY FACULTY**

- Mr.P.Nallasamy,AP/Civil, attended STTP on A Beeline for Circular Economy through Sustainable Waste Management at KSR College of Engineering from 20th to 25th september, 2021.
- Mr.P.Nallasamy,AP/Civil, attended FDP on Innovative Contactless Investigation Techniques in Civil Engineering at AICTE & ATAL @ VNRVJIET from 6th to 10th september, 2021.
- Mr.A.Mathan, AP/Civil, attended FDP on Recent Advances in Infrastructure Developments(RAID) at NIT,Calicut from 1st to 4th september, 2021.
- Mr.V.Gowrishankar, AP/Civil, attended Workshop on Intellectual Property Rights at KPR Institute of Engineering & Technology on 25th september, 2021.
- Mr.V.Gowrishankar, AP/Civil, attended FDP on Recent Advances in forensic Analysis in Civil Engineering at AICTE & ATAL @KIIT from 25th september, 2021 to 1st October 2021.
- Mr.K.E.Viswanathan, HoD/Civil, attended training on Disaster Management Plan at National Institute of Disaster Management, New Delhi on 27th september, 2021.
- Mr.K.E.Viswanathan, HoD/Civil, attended training on Disaster Mitigation and Preparedness for Retail Outlets at National Institute of Disaster Management, New Delhi on 22nd september, 2021.

## **FACULTY PUBLICATIONS**

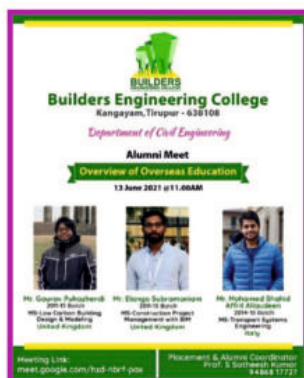
Name of the Author	Title of the Article	ISSN No.	Name of the Journal
Ms. P. Shanthi	Pharmaceutical Effluent Treatment Using multi-effect Evaporator process	ISSN 2320-9364	Advances in material science and Engineering- HINDAWI
Mr. P. Nallasamy	An Experimental Investigation on Pervious Concrete Replacement with Silica	ISSN (Online) 2320-9364	International Journal of Research in Engineering and Science (IJRES)
Mr. K.E. Viswanathan Dr. P. Eswaramoorthi Mr. P. Nallasamy	Experimental investigation on geopolymer concrete with hybrid fibers	2454-9665	International Journal of Innovative Research Science and Engineering
Mr. K.E. Viswanathan Mr. A. Madhan	Design of Gravel Road on a Poor Subgrade Soil	2394-1537	International Journal of Science Technology and Management

## **WEBINAR ATTENDED BY FACULTY MEMBERS**

Date	Faculty Name	Title of the programme	Institution
18.06.2021	Mr. D. Senthilkumar	Insight of Preparing Research Article and Effective Usage of Mendeley Software	Jai Shriram Engineering College
23.06.2021	Mr. V. Gowrishankar	Fibre Reinforced Concrete - and its Mechanism	Vel Tech Rangarajan Dr.Sagunthala R& D Institute of Science & Technology, Chennai
23.06.21 to 29.06.21	Ms. D. Nithya	Digital Pedagogy:Online Teaching Modes, Tools & Techniques	Sourashtra College, Madurai

Date	Faculty Name	Title of the programme	Institution
25.06.2021	Ms. D. Nithya	Concrete and its Advacements	Vaagdevi College of Engineering, Hyderabad
25.06.2021	Mr. V. Gowrishankar	Concrete and its Advacements	Vaagdevi College of Engineering, Hyderabad
25.06.2021	Mr. V. SasiKumar	Concrete and its Advacements	Vaagdevi College of Engineering, Hyderabad
05.07.21 to 09.07.21	Ms. D. Nithya	Digital teaching Techniques	ICT Academy
10.07.2021	Mr. V. SasiKumar	Webinar on Drone Technology in Civil Engineering	Easwari Engineering College, Chennai.
10.07.2021	Mr. V. Gowrishankar	Webinar on Drone Technology in Civil Engineering	Easwari Engineering College, Chennai.
21.07.2021	Mr. V. Gowrishankar	Employment Opportunities for Diploma and Graduate Civil Engineers	Dr.N.G.P. Institute of Technology, Coimbatore
01.09.21 to 05.09.21	Mr. A. Madhan	Recent Advances in Infrastructure Developments (RAID)	NIT, Calicut
24.09.2021	Mrs. L. Reena	Architecture, Civil and Earthquake Engineering	Mahendra Engineering College, Nammakal
11.12.2021	Mr. K.E. Viswanathan	NexGen Innovative Applications-Drone Technology	IEI, Erode
11.12.2021	Mr. D. Senthilkumar	NexGen Innovative Applications-Drone Technology	IEI, Erode
11.12.2021	Mrs. L. Reena	NexGen Innovative Applications-Drone Technology	IEI, Erode
11.12.2021	Mr. V. Gowrishankar	NexGen Innovative Applications-Drone Technology	IEI, Erode
11.12.2021	Mr. V. SasiKumar	NexGen Innovative Applications-Drone Technology	IEI, Erode
11.12.2021	Ms. D. Nithya	NexGen Innovative Applications-Drone Technology	IEI, Erode
18.12.2021	Mr. V. Gowrishankar	Condition Survey , Monitoring & Rehabilitation of Multistoried Building	UltraTech Cement Ltd.

## ALUMNI MEET



On June 13, 2021, the Department of Civil Engineering organized an Alumni meet featuring an interactive session on “Overview of Overseas Education”. The session involved alumni working in various countries, fostering dynamic discussions. It provided students with exposure to the international work environment, enhancing their understanding of working abroad. Through this engagement, students gained insights into the frameworks of overseas employment. The interactive nature of the session facilitated open dialogue, enabling students to explore the challenges and opportunities of pursuing education and careers overseas. It broadened students’ perspectives and equipped them with valuable knowledge for navigating the globalized professional landscape in civil engineering.