

# CIVIL CURRENTS

## DEPARTMENT OF CIVIL ENGINEERING

**NEWSLETTER JULY - DEC 2024**

**EDITION 3**

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(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)  
S.P.G. Chidambara Nadar - C. Nagammal Campus  
S.P.G.C Nagar, K. Vellakulam - 625 701, (Near VIRUDHUNAGAR).

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### VISION & MISSION & QUALITY POLICY OF THE COLLEGE

**Vision :** To Make this Institution the unique of its kind in the field of Research and Development activities in this part of world.

**Mission :** To impart highly innovative and technical knowledge to the urban and unreachable rural student folks through "Total Quality Education".

**Quality Policy :** Committed to impart Quality Technical Education imbued with proficiency, human values and continual improvement.

### VISION & MISSION OF THE DEPARTMENT

**Vision :** To make the department of civil engineering, unique of its kind to promote education and research in the various fields of construction industry.

**Mission:** To impart highly innovative and technical knowledge in the field of civil engineering to the urban and rural student folks through "Total Quality Education"

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### PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

**PEO - 1 :** Graduates of the Programme will analyze, investigate and design complex Civil Engineering problems by applying the fundamental knowledge of Mathematics and Science, Modern tools and Cutting edge technologies of Civil Engineering.

**PEO - 2 :** Graduates of the programme will continuously upgrade the domain specific knowledge to contribute for the societal benefit through Research and Development with main focus on Environment protection and Sustainability.

**PEO - 3 :** Graduates of the programme will prove as a competent team member as well as a successful team leader of Civil Engineering projects by making efficient documentation, presentation and execution by effectively communicating among the Engineering community and applying management principles with professional ethics

### PROGRAM SPECIFIC OUTCOME (PSOS)

**PSO 1 :-** Graduating students will be able to deal complex problems in the field of Civil Engineering to achieve design solutions with modern technological approach and application software.

**PSO 2 :-** Graduating students will be able to understand the professional Civil Engineering practice and apply contextual knowledge with the appropriate consideration of the society and environment.

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## DEPARTMENT OF CIVIL ENGINEERING

### ABOUT THE DEPARTMENT

The Department of Civil Engineering was started in the academic year 2009 with a sanctioned intake of 60. The Department has well equipped laboratory facilities and a team of highly qualified faculty experienced in diversified fields of Civil Engineering. The Department is specifically aiming to train the students through in plant training and industrial visits to make awareness among the students on the field problems of the construction industry. The department provides a range of value-added courses, such as 3DS MAX, PRIMAVERA, TEKLA STRUCTURES, REVIT ARCHITECTURES, etc., to meet industry demands. Students are encouraged to actively participate in co curricular and extra curricular activities. Department Conducts various placement activities such as training on Aptitude Skills, Technical skills and Refresher courses on subjects relevant to meet the industrial demands in addition to the various training programmes organized by the Training & Placement Cell. Civil engineers are trained to apply their expertise in a variety of projects, such as waste management, waste water treatment, design and analysis of residential buildings , bridges, roads, manufacturing plants, and industrial units. Currently, our alumni work for reputable domestic and worldwide companies. We also have alumni going on to higher study in esteemed colleges and universities, both in India and abroad. In order to promote industry-institute interaction, give students practically relevant skills, and provide placement opportunities, the Department of Civil Engineering has signed Memorandums of Understanding (MoUs) with a number of organizations, including Ramco Cements, NAWAD TECH, CSIR-Central Building Research Institute, and National Highways Authority of India.

### FACULTY ACHEIVEMENTS

**Awards/Guest Lecture Delivered/ Acted as Resource Person in  
Symposium, Seminar, Conference, FDP, Workshops/Journal  
Publications/NPTEL/Any**

1. Mr.D.Velumani has attended five days FDP on 'Hands-on Training for Spatial Asset Management Using GIS' organized by Velammal Engineering College, Chennai from 09.12.2024 to 13.12.2024.
2. Dr.N.Jegan Durai, has participated in the One Week National Level Online Faculty Development Program on "Outcome Based Education and Application of Generative AI in Teaching and Research", organised jointly by The University of Engineering & Management Jaipur, Rajasthan and Nirmala College, Muvattupuzha (Autonomous), Kerala in association with ipsr solutions limited from 19.09.2024 to 28.09.2024.
3. Dr.N.Jegan Durai, has participated in the One day Workshop on "Water,Soil and Air Pollution" held at The Institution of Engineers (India), Madurai Local Centre on 23.11.2024.
4. Dr.N.Jegan Durai, has participated in the webinar on "Soil Remediation Techniques in Environmental Protection" organized by Department of Civil Engineering, Presidency University, Bengaluru on 06.12.2024.
5. Dr.N.Jegan Durai, has attended five days FDP on 'Hands-on Training for Spatial Asset Management Using GIS' organized by Velammal Engineering College, Chennai from 09.12.2024 to 13.12.2024.
6. Mr.P.Ponkarthikeyan participated five days FDP on 'Hands-on Training for Spatial Asset Management Using GIS' organized by Velammal Engineering College, Chennai from 09.12.2024 to 13.12.2024.
7. Mr.P.Ponkarthikeyan successfully completed NPTEL course Geotechnical Engineering Laboratory with Elite+Silver.
8. Mr.K.Hariharan attended workshop on on Field Oriented Challenges in Civil Engineering organized by National Institute of Technology, Jamshedpur from 5.8.2024 to 9.8.2024
9. Mr.K.Hariharan attended FDP on Research Trends and Future Scope in Civil Engineering organized by NIT, Jamshedpur from 9.9.2024 to 13.9.2024
10. Mr.K.Hariharan attended FDP on Advanced Materials and Techniques for the Repair and Strengthening of Concrete Structures organized by R.V.R & J.C College of Engineering, Guntur, Andhrapradesh from 23.9.2024 to 27.9.2024
11. Mr.K.Hariharan filed Patent on DEVICE FOR CHECKING SPEED, DISTANCE AND OBJECT IN HIGHWAY CROSSING - 456990-001

## EVENTS ORGANIZED

FDP/Workshops/Seminar/Conference/Guest Lecture organized

Sl.no	Name of the program	Date	Sponsoring Authority, If any	Resource Person/Chief Guest	No.of participants	Coordinators
1	Guest lecture on competitive Exam Preparation Strategy and Tips	23.08.24	-	Er.R.Jeyaharinarayanan Assistant Engineer Water Resources Department Virudhunagar	30	Mr.K.Hariharan
2	Guest Lecture	30.08.24	-	Er.Palpandi, Managing Director, MAHA Constructions	28	Dr.M.Subahar, Mr.D.Velumani

## STUDENTS ACHEIVEMENTS

Symposium/Conference/Contest/NPTEL

Sl.no	Name of the Student & Year	Name of the Program	Date	Organizing Institution	Participated /Presented	Prizes Won
1	Pavithra.M-III	3D-Building Modeling Using SKETCHUP	24.09.2024	KCET	Participated	III
2	A.Sri poopanraja - IV	Paper prsentation	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
3	surya T - IV	Paper prsentation	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
4	Priyadharshin N - IV	Paper prsentation	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
5	A Sri poopanraja - IV	CAD modeling	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-

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Sl.no	Name of the Student & Year	Name of the Program	Date	Organizing Institution	Participated /Presented	Prizes Won
6	varshidha U - IV	3D-Building Modeling Using SKETCHUP	24.09.2024	KCET	Participated	III
7	D.Sendhilkumar - IV	Paper presentation	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
8	S.Amudhavalli - IV	Paper presentation	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
9	S.Alagusivaramakrishnan - IV	Paper presentation	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
10	A.G.Niranjana - IV	Paper presentation	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
11	C.Viswa - IV	Paper presentation CAD modeling	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
12	V Poornima - IV	Paper presentation CAD modeling	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
13	N.Shrivishwambaram - IV	Paper presentation	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	-
14	N.Shrivishwambaram - IV	CAD modeling	04.10.2024	Sri Sai Ranganathan Engg College Coimbatore	Participated	III

### CONSULTANCY

Sl.no	Date	Title of Consultancy Work	Name of the Industry	Name of the Faculty Involved	Amount	Status(Completed/Ongoing)
1	14.10.2024	Tension Test	Er. Sugirdev, Sri Amritha Creators, Virudhunagar	Mr.K.Hariharan	5310	Completed

### OTHERS

#### MoU/Industrial Visit/ Internship

- Mr.K.Hariharan organized one day industrial visit to II & III year students to NOTCH India Pvt.Ltd and Kalaingar Cetenary Library
- A.Sripoopanraja, R.Uthamaraja, Surya T, Priyadharshini.N, D.Senthilkumar, S.Amuthavalli, S.Alagusivaramkrishnan, M.Sathishkumar, C.Vishva, V.Dharun, R.Sanjay, V.Poornima, P.Sudhagar Pandi, A.Mohamed Kaif and N.Shriviswambaran of IV year Civil Engineering have submitted a project proposal to FAER 2024-2025 on 15.10.2024.
- V.Dharun, R.Sanjay and M.Sathishkumar IV year Civil Engineering have secured first position in Anna University Zonal Tournaments 2024-2025 held from 03.10.2024 to 05.10.2024.
- R.Uthamaraja, S.Alagusivaramakrishna and M.Sathishkumar IV year Civil Engineering have submitted a project proposal to TNSCST SPS 2024-2025 on the topic Study of self compacted geopolymer concrete accompanied by fibre.
- R.Uthamaraja IV year Civil Engineering has participated tech band activities as a member of tech band in this academic year.
- U.Varshidha and A.G.Niranjana IV year Civil Engineering have published a design patent on Wall Tiles (Set) on 25.04.2024.
- D.senthilkumar IV year Civil Engineering has submitted a project proposal to MSME IH 4.0 on the topic Effect of binary combination of pond ash and fly ash to produce bricks.

- Priyadharshini.N, Amuthavalli.S and Poornima.V IV year Civil Engineering have submitted a project proposal to TNSCST SPS 2024-2025 on the topic A green inhibitors for metal corrosion: sustainable solution.
- M.Gugan and A.Antony Nithas IV year Civil Engineering have submitted a project proposal to TNSCST SPS 2024-2025 on the topic investigation of properties on concrete incorporating wood ash as a partial substitute for cement and copper slag as a partial substitute for sand.
- U.Varshidha, A.G.Niranjana and B.Roshini IV year Civil Engineering have submitted a project proposal to TNSCST SPS 2024-2025 on the topic durability performance of sustainable concrete by partial replacement of fine aggregate with waste ceramic tiles and coconut shell charcoal.
- P.Sudhagar Pandi, A.Mohamed Kaif and N.Shri vishvambaran IV year Civil Engineering have participated in Internal Smart India Hackathon 2024 held on 30.08.2024.

## PLACEMENT DETAILS

### Students Details/Company Details

Si. no	Roll No	Student Name	Company Name
1	2IUCI016	GUGAN.M	Express Rebar
2	2IUCI012	NIRANJAN .A. G	Express Rebar