



# CIVIL ENGINEERS MEDIA

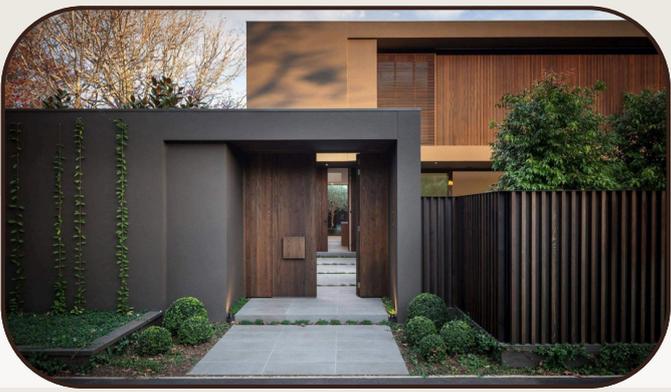
VOL. 5 | JUL - DEC 2025



## NANDHA ENGINEERING COLLEGE (AUTONOMOUS)



### DEPARTMENT OF CIVIL ENGINEERING *(Accredited by NBA)*



IN ASSOCIATION WITH...



American Concrete Institute  
*Always advancing*



Indian Concrete Institute



# SPOTLIGHT SESSION

**Er. M. Yogeswari**  
**Batch (2021 - 24)**  
**Work Inspector, MAWS,**  
**Kangeyam**

Alumni interaction on  
29.09.2025



**Er. P. Shankar**  
**GM, M/s Shanmathi**  
**Construction (P) Ltd.,**  
**Erode**

One Credit Course on  
Bar Bending Schedule  
on 10.10.2025



**Er. V. Aaditya**  
**Proprietor, Geo Metric**  
**Survey, Erode**

One Credit Course from  
26.09.2025 to 28.09.2025



# AI & Automation in Structural Engineering



## AI & Automation in Structural Engineering

Artificial Intelligence is transforming the field of civil engineering by automating design processes and improving decision-making accuracy. AI-driven tools help engineers generate optimized structural layouts, reduce material consumption, and enhance safety.

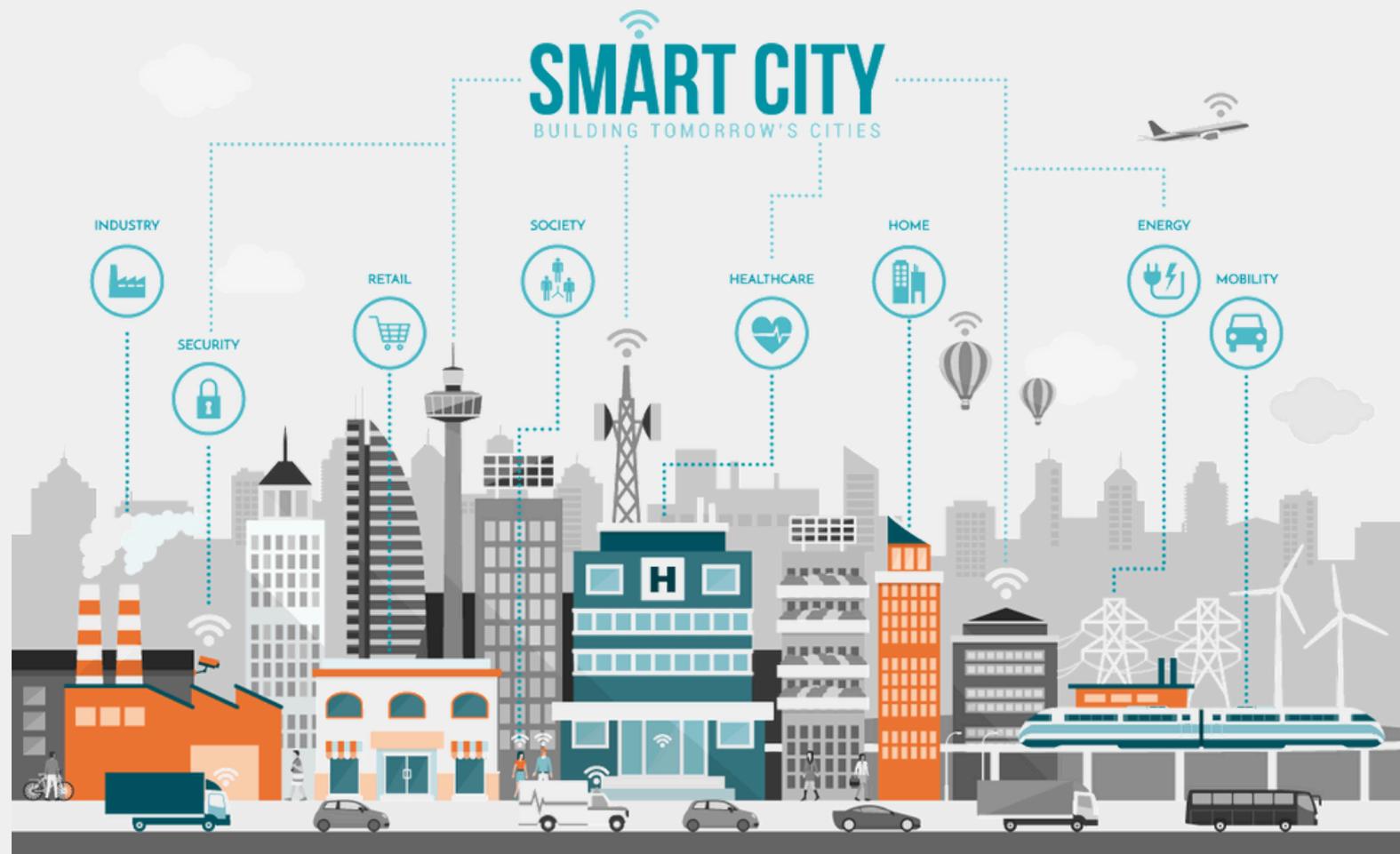
### Key Applications

Automated structural design and optimization

- Predictive maintenance using AI models
- AI-assisted BIM coordination
- Smart material selection

### Conclusion

AI-based solutions are enabling civil engineers to design smarter, faster, and more sustainable infrastructure.



## Smart Cities and Infrastructure Development

Smart city development integrates technology with infrastructure to improve urban living standards. Intelligent transportation systems, smart water management, and sustainable construction practices play a major role.

### Benefits

- Efficient resource utilization
- Improved public safety
- Reduced environmental impact
- Enhanced quality of life

Smart infrastructure is shaping the future of urban development in India.

# Industrial Visit Highlights



**Mr. V. Aravind coordinated a site visit to the Nandha Hostel Block on 28.08.2025 for III-year students to study the foundation system.**



**Mr. K. C. Denesh coordinated a site visit for III-year students on 07.11.2025 to SSS Roof Makers, SIPCOT, and Handles & Hinges, Erode.**

# Industrial Visit Highlights



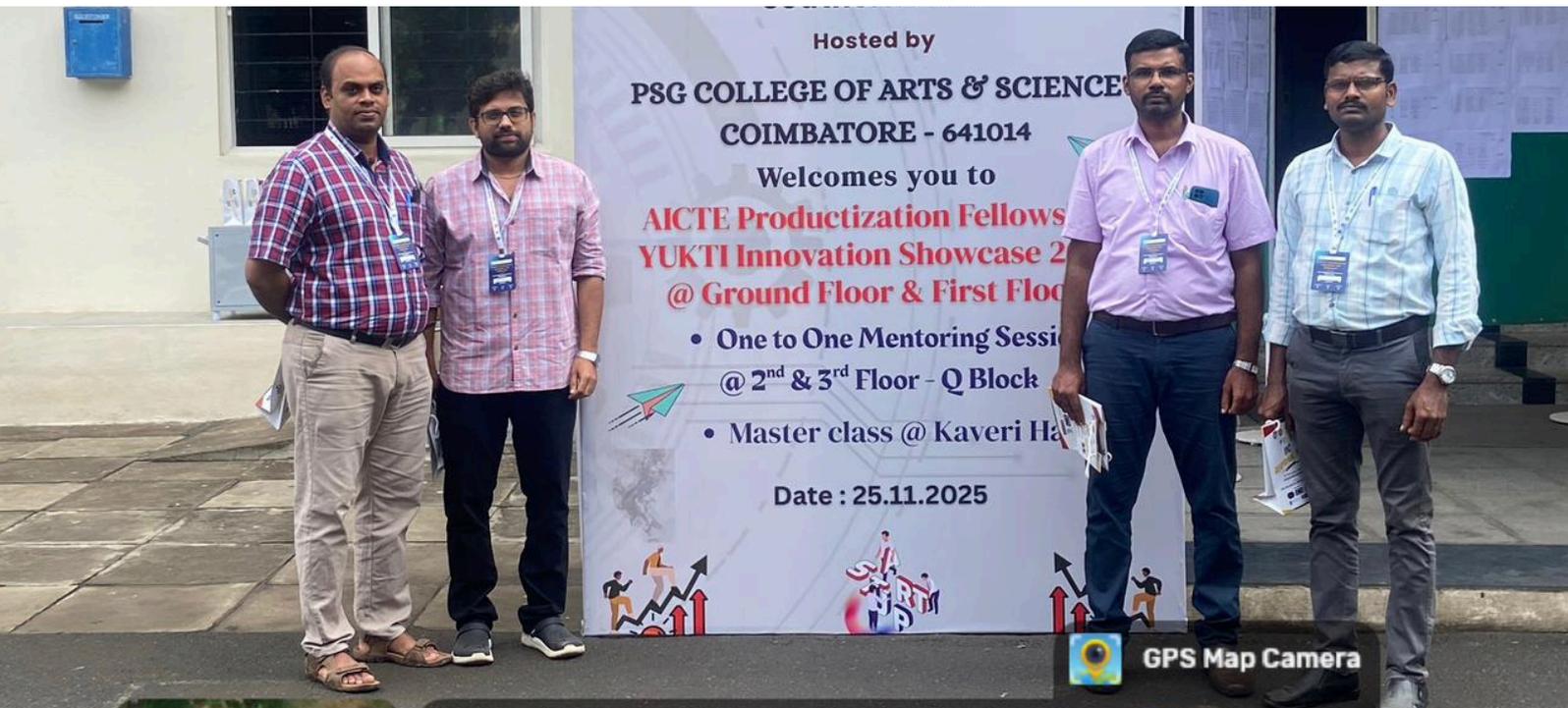
Mrs. K. Selvi arranged a local visit for II-year students to Bhavani Sagar Dam on 13.11.2025



Ayalur, Tamil Nadu, India   
9cq6+3v6, Ayalur, Tamil Nadu 638456, India

Mr. M. K. Kamalakkannan arranged a site visit for II-year students to S. K. Constructions, Gobi on 13.11.2025

# Faculty Training Highlights



**Mr. V.Aravind attended the IIC Regional Meet 2025 at PSG College of Arts and Science, Coimbatore on 25.11.2025**



**Dr. E. K. Mohanraj, Dr. R. Murugesan, Mrs. K. Selvi, and Mr. T. Bragadeeswaran attended a six-day FDP on OBE and Accreditation & GAPC 4.0 from 08.12.2025 to 13.12.2025.**

# Revit & BIM for Construction Management



**Clash Detection**

**Improved Coordination**

**Clash Detection**

**Quantity Estimation**

**Efficient**

*Streamlining Design, Scheduling & Cost Estimation with 3D BIM Technology*

## Revit & BIM for Construction Management

Building Information Modeling (BIM) using Revit helps in creating intelligent 3D models that integrate design, scheduling, and cost estimation.

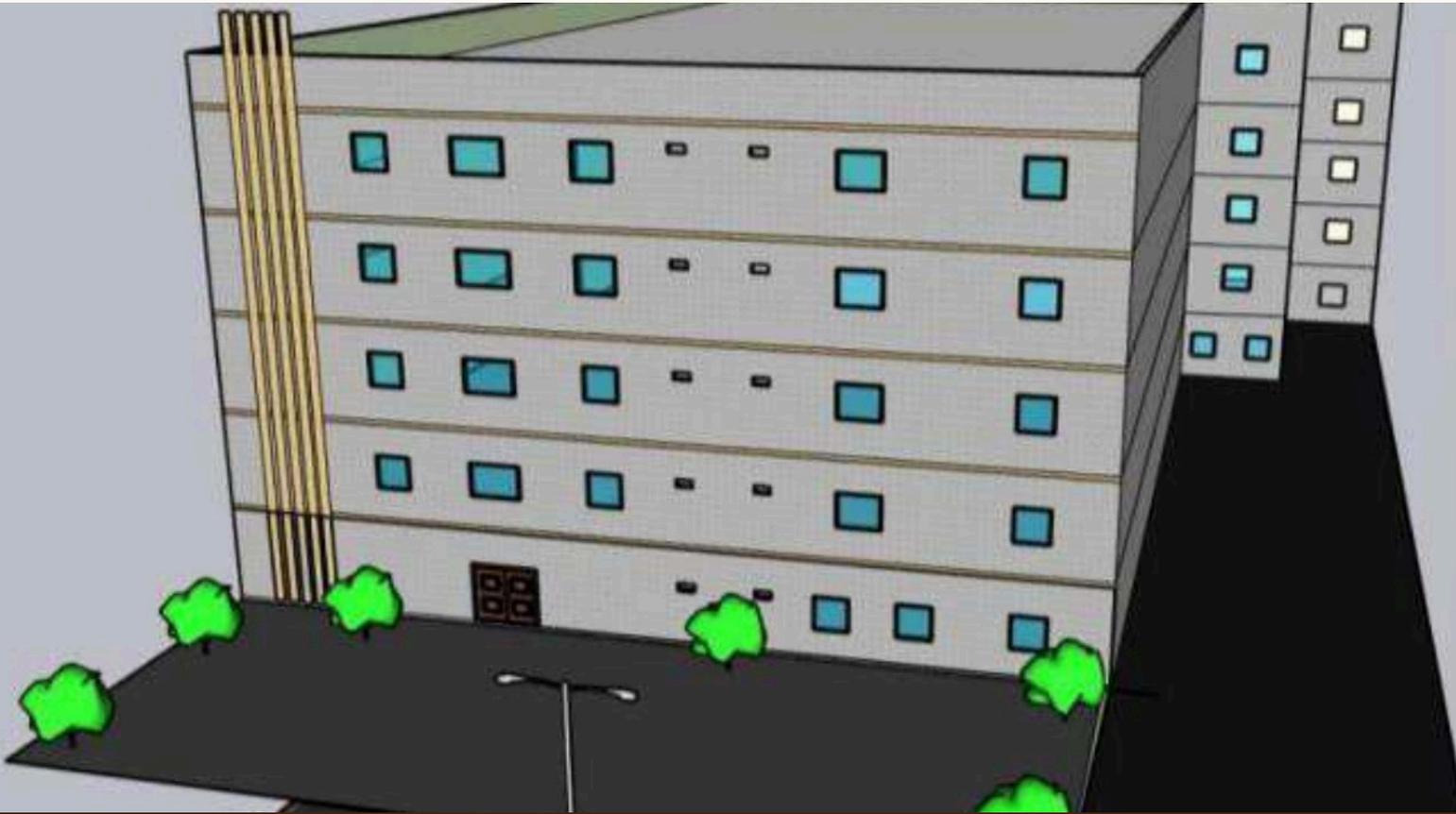
### Advantages

- Clash detection
- Improved coordination
- Accurate quantity estimation
- Efficient project execution

### Conclusion

BIM is revolutionizing project planning and execution in the construction industry.

# Design Created by Our Students



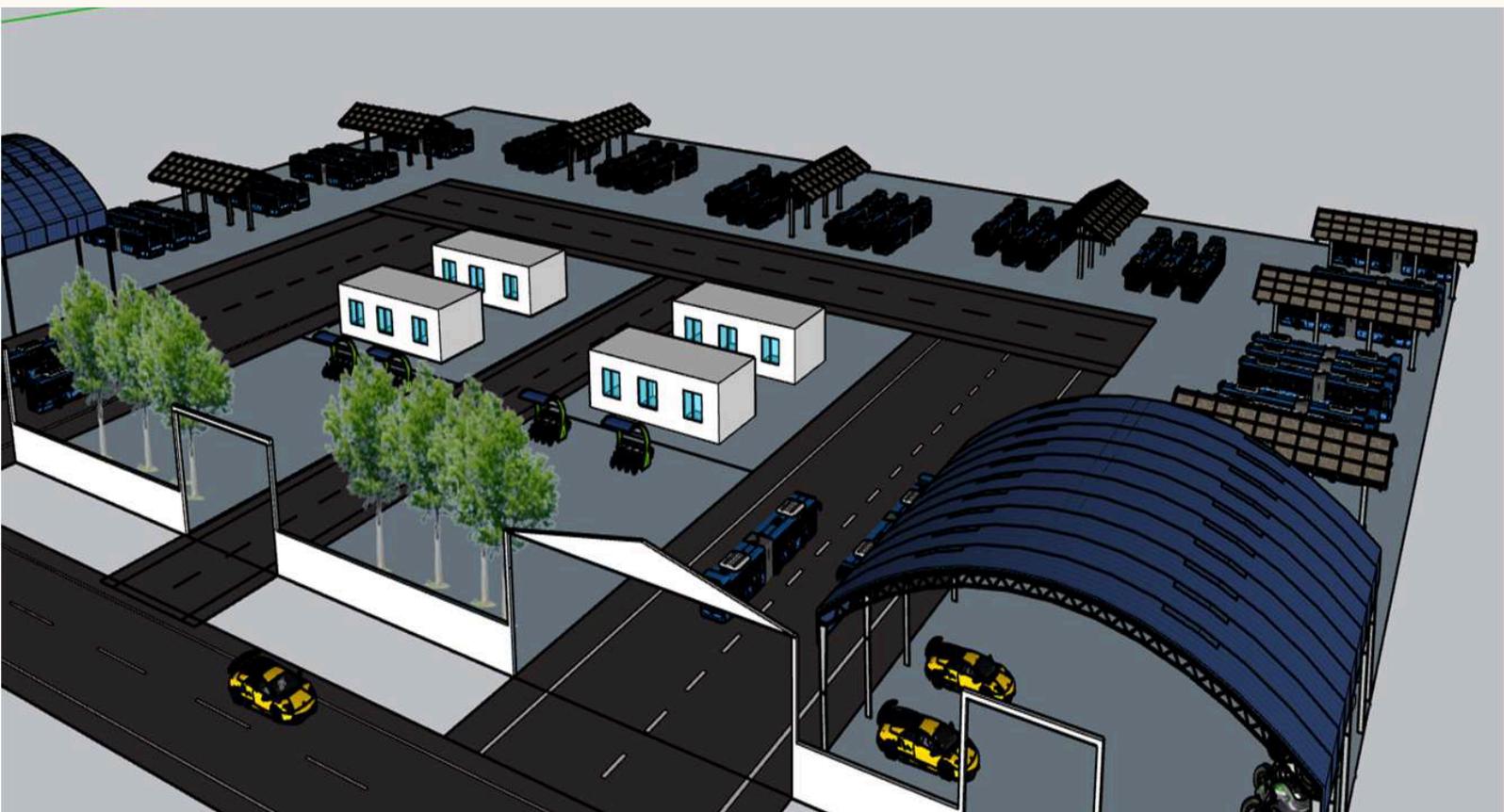
Team Members : K. S. Arun, V. Karthik & P. Sivaranjani



Team Members : K. Gowshigan, M. Santhosh Kumar & S. P. Suganth



**Team Members : K. Ajithkumar, P. Anusrie & S. Sanjay Roshan**



**Team Members : S.Kaviraja, R.Indresh & S.Rahul**



# NANDHA Engineering College (Autonomous)

(Affiliated to Anna University, Chennai, Approved by AICTE, New Delhi, Accredited by NBA & NAAC with A+ Grade)  
Erode, Tamil Nadu



*Congratulations*

SWAYAM - NPTEL Examination Results - Jan to Apr 2025

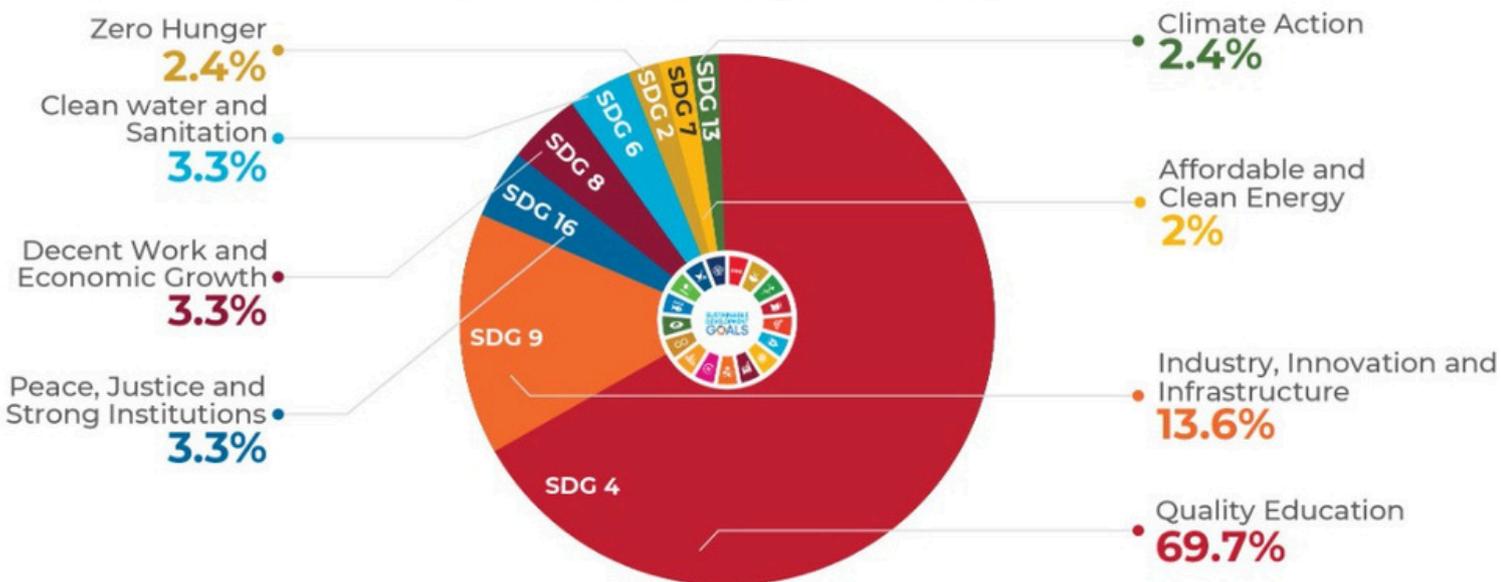
**A moment to be cherished  
NEC has Achieved**



**1** among the top 200 Institutions out of 7233 Local Chapters

## Percentage of Courses under SDGs

(Sustainable Development Goals)



# Department of Civil Engineering

(Accredited by NBA)

## Proud Alumnus in Govt. Sectors...



Batch: 2009 - 13

**Kaleeswaran G**  
Assistant Engineer/HD



Batch: 2010 - 14

**Rajasekar S**  
Junior Engineer/IIT-M



Batch: 2010 - 14

**Rajaguru M**  
Assistant Engineer/TN Arch.



Batch: 2010 - 14

**Prabhu T**  
Junior Draughting officer/PWD



Batch: 2010 - 14

**Nagaraj K**  
Assistant Engineer/PWD



Batch: 2011 - 15

**Dinesh Kumaran N**  
Assistant Engineer/PWD



Batch: 2012 - 16

**Sheeladevi V**  
Field Surveyor/Survey Dept.



Batch: 2013 - 17

**Siva Sankari K M**  
Assistant Inspector/Labour Dept.



Batch: 2013 - 17

**Kokila M**  
Office Assistant/TNGB



Batch: 2013 - 17

**Sridhar N**  
Section Engineer/Southern Railways



Batch: 2013 - 17

**Karthikeyan M**  
Junior Drafting Officer/RDPRD



Batch: 2013 - 17

**Monisha M**  
Assistant Engineer/TWAD



Batch: 2013 - 17

**Janani S**  
Junior Assistant/Welfare Dept.



Batch: 2013 - 17

**Dhivyabharathi**  
Technical Assitant/MAWSD



Batch: 2014 - 18

**Karthick V**  
Field Surveyor/Survey Dept.



Batch: 2014 - 18

**Kowsalya K**  
Junior Assistant/Welfare Dept.



Batch: 2015 - 19

**Malarvizhi E**  
Customer Service Manager/IBPS



Batch: 2016 - 20

**Sinisha Kent**  
Junior Engineer/NPSC



Batch: 2018 - 22

**Janarthanan V**  
Surveyor-cum-Assistant Draughtsman/DTCP



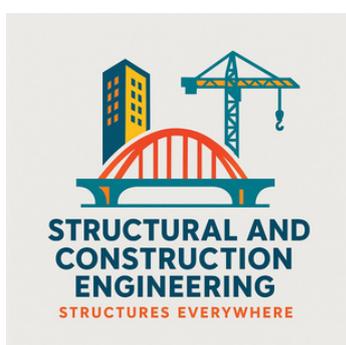
Batch: 2021 - 24

**Yogeswari M**  
Work Inspector/MAWSD

### Success Journey of Civilians...

Civil Engineering - Verticals (TAG)

Editorial Team



Dr R Murugesan  
Dr E K Mohanraj  
K L Ravisankar  
K Selvi  
K C Denesh  
A Abdul Hameed  
M Yeswanth  
S Gnana Venkatesh

KU Manikandhan  
V Aravind  
M K Kamalakkannan  
T Bragadeeswaran  
P Sivaranjani, IV Yr  
M Mohamed Riyaz, IV Yr  
B P Sriroobini, III Yr  
S Dharanider, II Yr