



# Department of Civil Engineering



*You Dreamt it We Built it!*

## Vision

To be a center of excellence with state of art infrastructure and imbibe knowledge on advanced technologies in the field of Civil engineering with a focus on research and sustainable development for the benefit of society.

## Mission

- ❖ Train the students as technologically motivated Civil engineers and researchers who can serve the society competently, collaboratively and ethically as planners, designers, constructors and operators.
- ❖ To provide quality based consultancy services to the communities for the development of civil engineering industry and other allied fields.
- ❖ To ignite innovative thinking, entrepreneur skills among students

## New Trends in Technology:

### Solar Panels on Train Tracks for Eco-Friendly Power



The main goal is to produce solar power by using the space already taken up by railway tracks. Instead of building solar farms on new land, which can be costly and impact natural areas, this system uses existing infrastructure to create energy.

The panels can be easily installed and removed, making them practical for maintenance and potential adjustments.

This approach is both environmentally friendly and scalable, meaning it could be applied to railways around the world. If successful, it could inspire other countries to explore similar ways to generate clean energy without disrupting landscapes.

This project has the potential to change how solar energy is produced globally by offering a solution that doesn't need extra land, is simple to maintain, and uses infrastructure already in place.

### Modular and prefabricated construction



Modular and prefabricated construction are both off-site construction methods that involve building components in a factory or warehouse and then transporting them to the construction site for assembly:

## Prefabrication

Involves assembling components of a structure off-site and transporting the complete assemblies to the construction site. Prefabricated structures can include panelized homes, mobile homes, and commercial buildings.

## Modular construction

Involves constructing sections, or "modules", off-site and then delivering those modules to the construction site to be installed and joined together. Modular homes are built in modules that are typically built to meet state or local building codes.

Modular and prefabricated construction can offer several benefits over traditional construction methods, including:

### Cost savings

Reduced construction time, less material wastage, and often lower labor costs.

### Quality control

Factory-controlled manufacturing ensures a higher level of quality and consistency in building components.

### Sustainability

Prefabrication allows for more efficient use of materials and reduces construction waste.

## Faculty Focus

- ❖ Dr.P.Naga Sowjanya, delivered lecture on "Mapping of Land use and land cover classification using AI techniques" in 3 Day Workshop on "The Role of AI in Mobility and Smart Cities" Emerging Field: [Smart cities and mobility] organised by Madanapalle Institute Of Technology & Science, Madanapalle on 26 July, 2024.



- ❖ Dr.P.Naga Sowjanya completed NPTEL Course Advanced Geomatics Engineering with Elite Status in July-October 2024.
- ❖ Dr.P.Naga Sowjanya completed NPTEL Course Global Navigation Satellite systems and Applications with Elite Status in July-September 2024.
- ❖ Mr. M.N.S.Sambasiva Rao completed NPTEL Course in Soil Mechanics/Geotechnical Engineering-I with Elite Status in July-October 2024.
- ❖ Mrs. A.Lakshmi Prasanna recognized as NPTEL DISCIPLINE STAR for July-Dec 2024 by Swayam-NPTEL.
- ❖ Mrs. A.Lakshmi Prasanna completed NPTEL Course in Building Material as a cornerstone to sustainability with Elite+Silver Status in July-October 2024.
- ❖ Mrs. A.Lakshmi Prasanna completed NPTEL Course in Municipal Solid waste management with Elite Status in July-October 2024.

## Conferences/ Webinars/ Seminars/ Workshops/FDP s attended:

- ❖ Dr.P.Naga Sowjanya completed 12 Weeks Faculty Development Course Advanced Geomatics Engineering during July-October 2024.

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- ❖ Dr.P.Naga Sowjanya attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.
- ❖ Dr.P.Naga Sowjanya attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.
- ❖ Dr.P.Naga Sowjanya attended 6-Days FDP on Disaster Risk reduction through sustainable infrastructure organized by RCE-Eluru from 16-12-2024 to 21-12-2024.
- ❖ Dr.P.Naga Sowjanya attended 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.
- ❖ Mr. K.Anil kumar attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.
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- ❖ Mr. N.M.Subhani attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.
- ❖ Mr. N.M.Subhani attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.
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- ❖ Mrs. A.Lakshmi Prasanna completed 12 Weeks Faculty Development Course in Municipal Solid waste management during July-October 2024.
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- ❖ Mr. Sk.Syidha attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.
- ❖ Mr. Sk.Syidha attended one week National Faculty Development Course on Research methodology & funding opportunities in GGU, Sidhpur, Gujarat during 9-12-2024 to 14-12-2024.
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- ❖ Mr. B.V.Srinivasa Rao attended 5-Day FDP Advanced Materials and Techniques for the Repair and Strengthening of concrete structures in R.V.R.J.C. College of Engineering (Autonomous) from 23-9-2024 to 27-9-2024.

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## Student focus

- ❖ P.Bala Satish (24475A0116) secured 1<sup>st</sup> prize in JNTUK central zone inter collegiate Badminton (Men&Womens) Tournament cum University team on 19&20 October, 2024.



- ❖ SK.Rajiya Jasmine (22475A0128) secured II<sup>nd</sup> Prize in Drawing Competition on the Eve of Independence Day, 2024.



- ❖ G.Gopi (21471A0129) secured III<sup>rd</sup> Prize in Drawing Competition on the Eve of Independence Day, 2024.



- ❖ B. Vagya Naik (23475A0121) secured 1<sup>st</sup> prize in shot put in VIVA-VVIT on December 21st, 2024.



- ❖ P. Lokesh (23475A0106) secured 1<sup>st</sup> prize in AUTO CAD TECHIE competition in CIVIL CARNIVAL in RVR & JC College of Engineering on December 28<sup>th</sup> 2024



- ❖ SIX students from IV & III completed NPTEL courses

## Important Activities held in the Department

- ❖ II & III B.Tech CE Students visited Srisaialm Dam & Powerhouse Project on December 07, 2024.



- ❖ The Department of Civil Engineering at Narasaraopet Engineering College conducted a Parent-Teacher Meeting (PTM) on 25 October 2024.



- ❖ Civil Engineering Department organized the Engineers day event on the occasion of Sir M.Viseswarayya garu on his birth Anniversary on 15.09.2024.

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- ❖ B.Kejiya(21475A0108) Shared about preparation for competitive exams with III<sup>rd</sup> students.



- ❖ S.Murali venkata Narasimharao (21475A0124) shared his work experience as site engineer with II<sup>nd</sup> year students.



- ❖ In collaboration with CPLR, Chennai, the Civil Engineering Department Of Narasaraopeta Engineering College, Narasaraopet organizing a two-week workshop on “PRIMAVERA” from August 19 to August 31, 2024.



- ❖ The expert lecture on “Role/Importance of Railways in Civil Engineering” was organized by Department of Civil Engineering Narasaraopeta Engineering College (A) on 20th July, 2024.



## Alumni Voice

- ❖ K.Vandana(20475A0113) share her work experience with III&IV year students.



## Academic toppers

- ❖ IV, III, II B.Tech students who stood top in their Academic Semester exams

## Alumni Voice



I feel fortunate to be a student of Narasaraopeta Engineering College as it helped me to both on personal and professional front. It inculcated a lot of intra and interpersonal skills which helped me in all round development. Teaching by the senior faculty and the field exposure in my college life has helped me a lot in securing a good job. Personal care towards me by the faculty members has helped me in qualifying the competitive exams at national level. I thank the management of the college for providing necessary materials and books in the library to face the competitive world.

**T.Chandra Naga Ahhil(20475A0101),Packaged App Development Associate,Mumbai.**

## Student's Voice



I acknowledge that my knowledge has been enriched due to my association with our department. Knowledge transformation programs (Guest lecture, workshops, Industrial Visits & skill development programme) conducted to the students is really helpful to face global competition.

**D.Jeevan Kumar, Regd. No.21471A0102, III B. Tech**

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