



**NARASARAOPETA**  
**ENGINEERING COLLEGE**  
(AUTONOMOUS)



# **TECHNICAL MAGAZINE**

# **STAPATHI**



**JANUARY TO JUNE 2022**

*Department of*

**CIVIL ENGINEERING**

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M.Tech, Ph.D.,  
HOD - Civil

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### Faculty

**Mr. M.N.S. Sambasiva Rao**

Assistant Professor, Civil

**Mr. K. Anil Kumar**

Assistant Professor, Civil

**Mr. N.M.Subhani**

Assistant Professor, Civil

**Mrs. A.Lakshmi Prasanna**

Assistant Professor, Civil

### Students

**Mr. Raghu Vamsi**

IV year, Civil

**Mr. Guru Sai Kumar**

IV year, Civil

**Mr. Ajay Kumar**

III year, Civil

**Mr. Vamsi Krishna**

II year, Civil

# Department of Civil Engineering

Dreamt it We Built it!

## Vision

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

## Mission

- To provide infrastructure and Train the students as technologically motivated Civil engineers and researchers who can serve the society competently.
- To provide experienced and dedicated faculty for nurturing successful civil engineering professionals for Industry and allied fields.
- To ignite innovative thinking, entrepreneur skills among students with ethical values.

## New Trends in Technology

### Advanced Building Materials Will Shape the Civil Engineering Designs of the Future

Advanced materials with shifting properties that adapt to external conditions are being introduced into the civil engineering industry. From cement composite, advanced steel, and self-healing concrete, to fiber-reinforced polymer composites, technology is transforming the materials being used in construction.



In 2017, Pavegen, a UK-based technology company outfitted sidewalk in London with innovative technology that harvests kinetic energy from pedestrian movement and turns it into usable energy. This project highlights the need for smart materials to trap and utilize energy which is otherwise wasted. Similarly, 4D-printed structures that transform according to the shifting environmental conditions are the latest fad in civil engineering because they prolong the life of constructions. Buildings in major

cities around the world are coated with photo catalytic titanium dioxide to combat pollutants in the air. In the long-term, it will mitigate human-induced environmental hazards. The civil engineering design of the future is all about advanced materials that are largely focused on reducing carbon footprints and harnessing the energy that our planet has to offer.

### Machine Interventions - Reducing the 'workload'

The use of machines such as robots and exoskeletons is another emerging trend in civil engineering. Not only do they resolve mundane tasks with ease, but they also help increase safety and autonomy on-site during construction.

Exoskeletons are 'suits' worn by construction workers on site, to help and/or improve their mobility and workability. Using exoskeletons prevents injuries caused by manually handling things and from hand-arm vibration.

Comparatively, Robots completely remove the need for the involvement of workers in certain tasks. Robots are helpful in automating highly repetitive tasks like brick-laying and tying rebar.



## Faculty Focus

- Dr.P.Naga Sowjanya got patent on A Hydraulic Jack Assembly with Safety and Sensing Mechanism on 04/03/2022.
- K.Anil Kumar has ratified as Assistant Professor from JNTU-Kakinada.
- Meghanadh has ratified as Assistant Professor from JNTU-Kakinada.
- N.M.Subhani has ratified as Assistant Professor from JNTU-Kakinada.
- M.N.S.Sambasiva Rao has ratified as Assistant Professor from JNTU-Kakinada.
- Jeya vignes.k has ratified as Assistant Professor from JNTU-Kakinada.
- K.Yamuna has ratified as Assistant Professor from JNTU-Kakinada.
- U.Suresh has ratified as Assistant Professor from JNTU-Kakinada.
- S.Murali Krishna has ratified as Assistant Professor from JNTU-Kakinada

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

- Dr.P.Naga Sowjanya has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February .
- Dr.P.Naga Sowjanya has Successfully Participated In A Webinar Research Methodologies of Contemporary times: Exploring English Language, Literature and Teaching SRR& CVR On 5th February.
- K.Anil kumar has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February .
- N.M.Subhani has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February .
- Koppula Meghanadh has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February .
- M.N.S.Sambasiva Rao has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February .
- Jeya Vignes has Successfully Participated In A Webinar On Intellectual Property Rights And It's Protection Organized By Institution Innovation Council (IIC 4.0), Narasaraopeta Engineering College (Autonomous),Narasaraopet On 14th February .
- Dr.P.Naga Sowjanya attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022.
- K.Anil Kumar attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022.
- Koppula Meghanadh attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022.
- N.Venkateswara Rao attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022.
- N.Mohan attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- Dr. R. Sivasubramanian attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- Dr. M. Murali Krishna attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- Dr. A.Ranganathan attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- A.L.Prasanna attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- M.N.S.Sambasiva Rao attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- K.Jeya Vignesh attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022

# Department of Civil Engineering

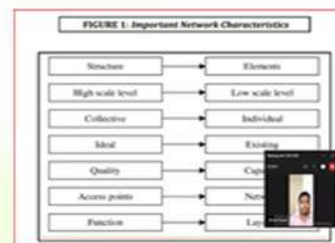
Dreamt it We Built it!

- ❖ K V Pratap attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ N M Subhani attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ Sk Jarena attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ Md.Imran Khan attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ V. Durga Sandeep attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ M.Srinivasa Rao attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ K.Pratyusha attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ K.Venkatesh attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ D.Naga Raju attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ K. Naga Sai Sravya attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ P. Ganesh attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ T.V.Bharathi attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ S.Murali attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ Dr.G.Nandini Devi attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ D.Pradeep attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ B.Siva Manikanta attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ S.V.Siva Raju attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ K.Yamuna attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ Dr.Ch.Kannam Naidu attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ Dr.Y J Chndramuly attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ M.Vasavi attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ G.V.Ramanjaneylu attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022
- ❖ Dr. G. Venakateswarlu attended FDP on Advances in Water Resources Management Organized by NIT-AP from 16th May to 20th May 2022

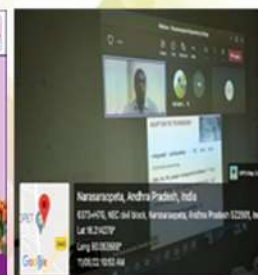
### Important Activities held in the Department

- ❖ Civil Engineering Department has organized two week workshop on “Primavera” through APSSDC Conducted by Department of Civil Engineering, Narasaraopet Engineering College (Autonomous) Narasaraopet from 03-03-2022 to 15-03-2022.

- ❖ Civil Engineering Department has organized an expert lecture on “Strategies of Road network planning & Evaluation” by Dr.M.Anil, Assistant Professor,Civil Engineering Department, KITS, Singapur, Hyderabad, Telangana on 11-03-2022



- ❖ Civil Engineering Department has organized five days’ workshop on “Land survey using Total Station” through Ladder survey Institute of Technology, Chennai Conducted by Department of Civil Engineering, Narasaraopet Engineering College (Autonomous) Narasaraopet from 18-04-2022 to 22-04-2022.
- ❖ Civil Engineering Department has organized one day webinar on “Importance of construction planning management” by NICMAR, PUNE on 11-05-2022.



### JUBILATION 2K22

The Department of Civil Engineering has conducted academic events in three categories viz. Paper Presentation, Technical Quiz and Model making. On that day (07.5.2022) Paper Presentation, Technical Quiz and model making competitions were conducted. About 13 student teams from various colleges have participated actively in the Paper Presentation. Out of total 13 student teams 2 student teams are from KHIT,Guntur; rest of 11 teams are from Narasaraopeta Engineering College, Narasaraopet have actively participated in presentations of recent trends in Civil Engineering Dr.Satish kumar Moparthi , Head, Department of Civil Engineering, KHIT has acted as judge for the presentation programme. Three prizes were announced after thorough evaluation. The following are the details of the winners

S. No.	Participant Name	College Details	Position	Topic Presented
1	P.Akash	NEC, Narasaraopet	I	Estimation and Scheduling by using Primavera
2	B.Naga Vamsi Krishna	KHIT,Guntur	II	Self-healing concrete
3	Ch.Pujitha	NEC, Narasaraopet	III	Solar road ways

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Fourteen teams were registered for Technical Quiz from various colleges. Out of total 16 student teams 2 student teams are from KHIT, Guntur; rest of 14 teams are from Narasaraopeta Engineering College, Narasaraopeta have actively participated in Technical quiz. The details of technical quiz winners are mentioned below.

S. No.	Participant Names	College Details	Position
1	K.Sukanya	NEC, Narasaraopet	I
2	K.Naga Yasawini	NEC, Narasaraopet	II



Eleven teams participated in Model making from Narasaraopeta Engineering College (A), Narasaraopeta. Dr.Satish kumar Moparthy , Head, Department of Civil Engineering, KHIT has acted as judge for the Model making programme. The details of Model making winners are mentioned below

S. No.	Participant Name	College Details	Position	Topic Presented
1	P.Kishore	NEC, Narasaraopet	I	Dam model
2	D.Bhargava Sai	NEC, Narasaraopet	II	Sink holes
3	Y.Bhavani prasad	NEC, Narasaraopet	III	NEC Model

18471A0112	GARLAPATI SATYA PRAKASH
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Ten number of students were placed in LANTECH Consultancy solutions.

18471A0115	INAMPUDI HASMITHA
18471A0125	NAGIPOGU SUBBARAO
18471A0133	POKA VENKATRAO
18471A0144	THOKALA GOPI
19475A0107	SHAIK MOHAMMAD ROSHAN
19475A0111	MURABOINA MANIKANTA
19475A0115	TALARI NAGA PHANEENDRA
19475A0146	GURIJALA JOSEPH KUMAR
18471A0149	BATTHULA GOPALA KRISHNA
19475A0101	PERIPOGU VENKATA RAJYA LAKSHMI

Nineteen number of students were placed in LDR SURVET Pvt. limited.

18471A0103	AVALA GOPI KRISHNA
18471A0105	BATTULA SURESH BABU
18471A0108	CHILAKAPATI NAGARAJU
19475A0103	PATHAN JILANI
19475A0119	SHAIK KHADAR BASHA
19475A0121	PALADUGU AKASH
19475A0128	SHAIK BABA SHADULLA
19475A0139	SAVARAM NAGA SANDEEP
18471A0102	ATCHANA MANOJ SAI KUMAR
18471A0111	DOPPALAPUDI ARUN BABU
18471A0122	MANUKONDA SIVA REDDY
18471A0124	MUTUKURI RAVINDRA
18471A0129	PASUMARTHY RAKESH
18471A0142	SHAIK JAVEED AKTAR
18471A0127	NELLURI ESWAR PRADEEP
19475A0114	MARAM ANIL KUMAR REDDY
19475A0102	MATCHA BRAHMACHARI
19475A0117	JUJJURU NAGA SAI DURGA HEMANTH
19475A0150	KUNCHALA PHANI RAJ KUMAR

# Department of Civil Engineering

Dreamt it We Built it!

- ❖ Nine number of students were placed in Savanties solutions Pvt. limited.

18471A0107	CHATTU MANOJ KUMAR
18471A0113	GAVARAJU HARIKRISHNAM RAJU
18471A0120	KUMBHA SAI KUMAR
18471A0130	PASUPULETI SAI SANDEEP
18471A0140	SATHULURI SUDHEER KUMAR
18471A0148	KOTA ROHAN
19475A0112	NUTHALAPATI VIJAY KUMAR
19475A0132	CHILUKOTI NAGA VENKATA RAMANAIAH
19475A0153	NUNE MANI VARDAN REDDY

- ❖ Eleven number of students were placed in Surya Tech solutions.

18471A0101	ALLATIPALLI MANIKANTA REDDY
18471A0110	DODDA JAGANNADHAM
18471A0128	PAPABATHUNI CHANDINI
18471A0138	RAYIPUDI SUNNY
18471A0146	NAMBURI JOHN PEETAR
19475A0108	KUNDA PRIYANKA
19475A0122	KARASALA RAM BABU
19475A0134	KOMMALAPATI LAVANYA
19475A0135	THOTA DATTA SAI
19475A0147	UNDI PRAVEEN
19475A0152	BADAM NAGARJUNA REDDY

- ❖ Thirteen number of students were placed in TATA STRIVE.

18471A0109	DASARI AMARNATH
18471A0116	JUNNA ALEKYA
18471A0131	PEDDINTI NAVEEN KUMAR
18471A0143	SHAIK MASTAN VALI
18471A0147	VIPPARLA PAVAN KUMAR
19475A0116	THOKALA MADHAN
19475A0126	MUDAVATH KRISHNA NAIK

19475A0131	JAMMULA VEERANJANEYULU
19475A0143	KOMMALAPATI NAGENDRA BABU
19475A0145	KALLAM SOWMEETH REDDY
19475A0154	PATCHALA RAHUL
18471A0121	MANDHA AKHIL
18471A0141	SHAIK HARIS

- ❖ Ten number of students were placed in Tech mahindra.

18471A0106	BIKKI SIVAKRISHNA
18471A0117	KONDA VENKATA PAVAN KALYAN
18471A0126	NEELAM SRINIVASA RAO
18471A0134	POLE AALAY BHANU
19475A0106	KOTA NAGA VENUGOPAL
19475A0120	SHAIK MUJAVAR JANI BASHA
19475A0129	DASARI SAI TEJA
19475A0136	NANDIGAM SURENDRA
19475A0144	GONABOINA SANDEEP KUMAR
19475A0151	MALE TAMBHI PRASAD

- ❖ One student placed in Turning minds.

18471A0119	KOTHAPALLI ESWAR REDDY
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### Academic Toppers

Students of IV, III & II year who stood I, II, II Positions in the semester end examinations held in January/February-2022.



### Student's 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.  
N.Roja Kiran, Batch (2017-2021), System Engineer, Tata consultancy Services, Hyderabad.

### Student's Voice

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

R.Guru sai kumar, Regd. No. 18471A0137, IV B. Tech