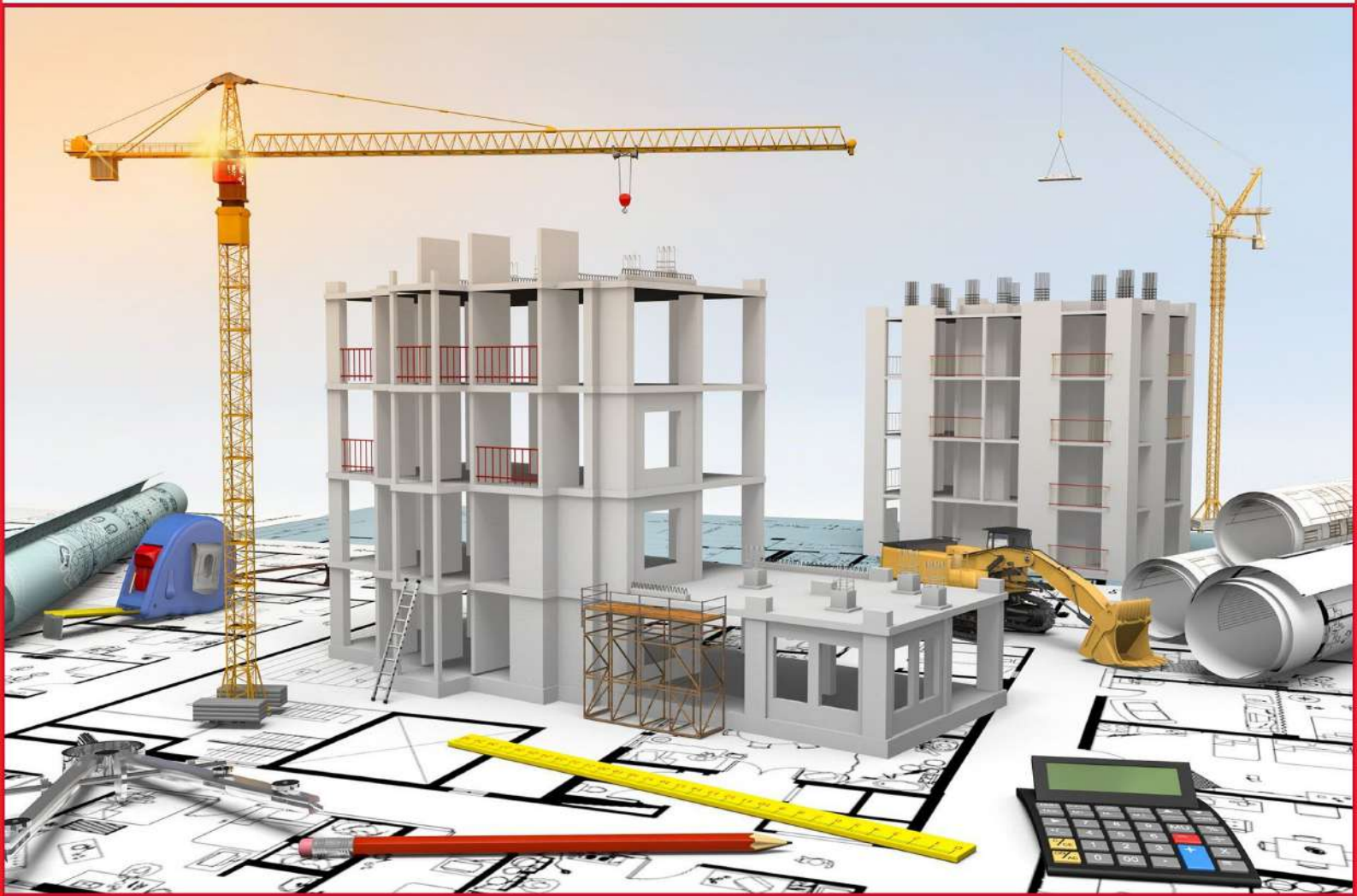




NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)



TECHNICAL MAGAZINE STAPATHI



JULY TO DECEMBER 2022

Department of
CIVIL ENGINEERING

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HOD - Civil

MEMBERS

Faculty

Mr. M.N.S. Sambasiva Rao

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Assistant Professor, Civil

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Assistant Professor, Civil

Mrs. A.Lakshmi Prasanna

Assistant Professor, Civil

Students

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IV year, Civil

Mr. Hemanth

IV year, Civil

Mr. Sk. Yasin

III year, Civil

Mr. B. Udaya Manikanta

II year, Civil

Department of Civil Engineering

Dreamt it We Built it!

Vision

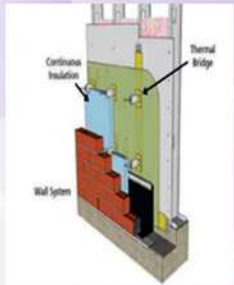
- To be knowledge hub with state of art infrastructure and imbibe skills of advanced technologies in the field of Civil engineering with a focus on research and sustainable development for the benefit of society.

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

The demand for efficient insulation material is becoming crucially important throughout the construction



than 40 percent.

industry. The heat through walls tends to cross directly through the building envelope, be it masonry, block, or stud frame, to the internal fascia such as drywall. This process is called "thermal bridging". Aerogel, the Nasa technology developed for cryogenic insulation, is considered one of the most effective thermal insulation materials, and US spin-off The rmablok has adapted it using a proprietary aerogel in a fiberglass matrix. This can be used to insulate studs, which can considerably increase the overall wall R-value (an industry measure of thermal resistance) by more than 40 percent.

Kinetic Roads



The utility of kinetic energy potential in roadways is explored by Italian startup Underground Power. The company has developed a technology called Lybra, a tire-like rubber paving that converts the kinetic energy produced. This technology is developed in collaboration with the Polytechnic University of Milan, Lybra operates on the principle that a braking car dissipates kinetic energy.

This new cutting-edge technology is able to collect, and convert kinetic energy into electricity and pass it on to the electricity grid also for improving road safety, the device upgrades and promotes sustainability of road innovation in construction.

Faculty Focus

- Premsai Jagdish, N.M.Subhani published a paper titled "Seismic Evaluation of RC Framed Building (G+10) Using Shear Failure Model" in The International journal of analytical and experimental modal analysis, Volume XIV, Issue XI, and November/2022, 1327-1325.
- Billapati Venu Babu, N. Mahaboob Subhani published a paper titled "Seismic Response of R.C.C High Rised Buildings in Different Zones with Location of Shear Wall" in The International Journal of Analytical and Experimental Modal Analysis, Vol: Volume XIV, Issue X, and October/2022Page: 768-773.
- Chinta Lakshmi Venkata Prasanna Sai Kumar, k. Meghanadh, published a paper titled "Study on Strength Properties of Concrete by Replacement of Cement by Egg Shell, Rice Husk Ash and Fly Ash" in Journal of Interdisciplinary Cycle Research, Volume XIV, Issue X, and October/2022, 519-525.

- Kurapati Naveen Kumar, k.Jeyavignes published a paper titled "Seismic Response Of (G+5) And (G+10) R.C.C Building With Floating Column In Different Zones" in Journal Of Interdisciplinary Cycle Research, Volume XIV, Issue Xi, November/2022,727-734
- Raya Sairam Reddy, k.Jeyavignes published a paper titled "Strength and Durability Properties of Self compaction Concrete", in The International Journal of Analytical and Experimental Modal Analysis, Volume XIV, Issue XI, November/2022, 1336-1342.
- P.Akash, Dr.P.Naga Sowjanya presented "Estimation and Scheduling of Road Networks by Using Primavera P6", in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Kurapati Naveen Kumar, k.Jeyavignes published a paper titled "Seismic Response Of (G+5) And (G+10) R.C.C Building With Floating Column In Different Zones" in Journal Of Interdisciplinary Cycle Research, Volume XIV, Issue Xi, November/2022,727-734
- Raya Sairam Reddy, k.Jeyavignes published a paper titled "Strength and Durability Properties of Self compaction Concrete", in The International Journal of Analytical and Experimental Modal Analysis, Volume XIV, Issue XI, November/2022, 1336-1342.
- P.Akash, Dr.P.Naga Sowjanya presented "Estimation and Scheduling of Road Networks by Using Primavera P6", in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- A.Manikanta Reddy.K.Anil kumar presented "Evaluation of Groundwater Quality and Sq_i in the Zones of Limestone", in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- A.Manoj sai kumar,K.Meghanadh presented "Experimental Study On Strength Of Concrete By Replacement Of Cement With Metakaolin" in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- R.Guru sai kumar.Jeya vignes.K presented "Factors affecting on construction delay" in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- I.Hasmitha,Dr.I.Chandrasekhar Reddy presented "Investigating the performance of fly ash and GGBS based geo polymer concrete" in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- P.Jilani,DR.P.Naga Sojanya presented "3D Modelling of NEC Civil block using Revit and QGIS" in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- D.Sai Teja, K.Meghanadh presented "Partial Replacement of a Cement by Glass Powder in Concrete" In Nec-Icetce, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- N.Srinivasa Rao,M.Ramesh Babu presented "Study on partial replacement of paper mill sludge and waste water sludge in concrete" In Nec-Icetce, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- S.Naga Sandeep, Dr.I.Chandrasekhar Reddy presented "Evaluating the Performance Comparison between Green Concrete & Geopolymer Concrete" in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.

Department of Civil Engineering

Dreamt it We Built it!

- K.Priyanka,V.Suresh,K.Naga Venu Gopal presented “Evaluating The Performance Of Fiber in Road Concrete” In NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- A.Gopi Krishna,K.Meghanadh presented “Partial replacement of coarse aggregates by coconut shell s ” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- B.Venu Babu,N.M.Subhani presented “Seismic Resistance of High Rise Buildings in Different Zones with location of Shear Walls ” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Ch.Lakshmi venkata prasanna sai Kumar A.L.Prasanna presented “Study on Strength Properties of Concrete by Replacement of Cement by Egg Shell, Rice Husk Ash and Fly Ash” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- S.Maheswari, K.Meghanadh presented “Behaviour of Concrete by the Partial Replacement of Fine Aggregate with Sawdust and Cement with Alccofinel203” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- P.Kalyan Kumar, K.Meghanadh presented “Study on Strength Properties of Concrete by Replacement of Cement with Ggbs and Marble Powder with Some Fibree” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- B.China Kondiah,Jeya vignes.K presented “Comparative study on strength properties of self-compacting concrete” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Sairamreddy raya,Jeya vignes.K presented “Strength and durability properties of self-compacting concrete” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Anusha.K,N.M.Subhani presented “Influence of metakaolin in concert as partial replacement of cement ” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Prem Sai Jagadish Batchu,N.M.Subhani presented “Seismic Evaluation of RC Framed Building Using Shear Failure Model” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Srikanth kethavarapu , K.Meghanadh presented “A Report On Influence Of Quarry Dust On Behaviour Of Self-Compacting Concrete” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Shaik Ansari Jani Begum, K Meghanath presented “Partial Replacement of Cement with Rice Husk Ash and Waste Tyre Rubber as Coarse Aggregate” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Anil kumar K. Manikanta reddy A presented “Manufacturing of Bricks from Black Cotton Soil by Using Plastic as Stabilizer” in NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2022.
- Dr.P.Naga Sowjanya published a paper entitled “climate change Impacts on stream flow in the Krishna River Basin, India: Uncertainty and Multi-site Analysis” in Climate 2022,190.
- Dr.P.Naga Sowjanya published a paper entitled “Identification of potential Rainwater Harvesting sites in Semi-arid,Achaeen Terrain,Using SCS-CN method” in YMER:Volume 21,Issue 05,May 2022.
- Mrs. A.L.Prasanna,B.China Kondaiah published a paper entitled on “Comparitive Study on Strength properties of Self compaction concrete” in Journal of Interdisciplinary cycle reaserch,Volume XIV,Issue XI,November 2022.
- K.Meghanadh,K.srikanth Kondaiah published a paper entitled on “A report on influence of quarry dust on behaviour of self-compacting concrete” in Journal of Interdisciplinary cycle reaserch,Volume XIV, Issue XII,December 2022.
- Anusha.K,N.M.Subhani published a paper entitled on “Study on strength properties of concrete by using carbon fibers and replacement of cement with METAKAOLIN and sand with copper slag” in The International journal of Analytical and Experimental modal Analysis, Volume XIV,Issue XII,December 2022.
- P.Kalyan Kumar, K.Meghanadh published a paper entitled “Study on Strength Properties of Concrete by Replacement of Cement with Ggbs and Marble Powder with Some Fibree” in The International journal of Analytical and Experimental modal Analysis, Volume XIV,Issue XII, November 2022.
- Shaik Ansari Jani Begum, Mrs. A.L.Prasanna published a paper entitled “Study on strength properties of concrete as partial replacement of cement with Rice husk ash and waste tyre rubber as coarse aggregate” ” in The International journal of Analytical and Experimental modal Analysis, Volume XIV,Issue XI, November 2022.
- S.Maheswari, K.Meghanadh published a paper entitled “Behaviour of Concrete by the Partial Replacement of Fine Aggregate with Sawdust and Cement with Alccofinel203” in The International journal of Analytical and Experimental modal Analysis, Volume XIV,Issue XII, December 2022.

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

- Dr.P.Naga Sowjanya Attended FDP on Mangerial Skills for Technical Teachers & Administrators (26th – 30th of September 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Dr.P.Naga Sowjanya Attended FDP on Outcome based Education (19th – 23rd of September 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh
- K.Anil kumar Attended FDP on Nanosensors and Devices during (22nd – 26th of August 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- N.M.Subhani Attended FDP on Nanosensors and Devices during (22nd – 26th of August 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- N.M.Subhani Attended FDP on Funding Opportunities in Engineering during (14th – 18th of November 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Koppula Meghanadh Attended FDP on Nanosensors and Devices during (22nd – 26th of August 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Koppula Meghanadh Attended FDP on concrete Mix Design-New directions during (10th – 14th of August 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.

Department of Civil Engineering

Dreamt it We Built it!



- M.N.S.Sambasiva Rao Attended FDP on Nanosensors and Devices during (22nd – 26th of August 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- M.N.S.Sambasiva Rao Attended FDP on Esesntial Industrial Chemistry for Engineers” during (05th – 09th September 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Jeya Vignes Attended FDP on Esesntial Industrial Chemistry for Engineers” during (05th – 09th September 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Jeya Vignes Attended FDP on construction Management during (19th – 23rd September 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Jeya Vignes Attended FDP on Nanosensors and Devices during (22nd – 26th of August 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Jeya Vignes Attended FDP on Funding Opportunities in Engineering during (14th – 18th of November 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- K.Anji Reddy Attended In FDP on “Ground motion modelling and Response Computations in Earthquake Engineering” organised by Department of Civil engineering ,NIT Warangal on 04-13th August.
- Mr. J. Manoj Kumar Attended FDP on Nanosensors and Devices during (22nd – 26th of August 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Mr. J. Manoj Kumar Attended FDP on Funding Opportunities in Engineering during (14th – 18th of November 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Mr. J. Manoj Kumar Attended FDP on Esesntial Industrial Chemistry for Engineers” during (05th – 09th September 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Mrs.A.Laksmi Prasanna Attended FDP on Esesntial Industrial Chemistry for Engineers” during (05th – 09th September 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Dr.P.Naga Sowjanya Attended FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) during (12th – 16th December 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- K.Anil kumar Attended FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) during (12th – 16th December 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- N.M.Subhani Attended FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) during (12th – 16th December 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- K.Meghanadh Attended FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) during (12th – 16th December 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- M.N.S.Sambasiva Rao Attended FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) during (12th – 16th December 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh

- Jeya vigne.K Attended FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) during (12th – 16th December 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- Mrs.A.L.Prasanna Attended FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) during (12th – 16th December 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.
- M.Nagamani Attended FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) during (12th – 16th December 2022) in Association with National Institute of Technical Teachers Training and Research, Chandigarh.

Student focus

- All the students of II&III Btech students attended Internships in various Organisations.

SNO	COMPANY NAME	NO. OF STUDENTS
1	Panchayat Raj,	16
2	NHAI	10
3	Lantek Engineering Consultancy	10
4	Presence Interiors	8
5	Municipality	22
6	Office Of Thasildar	1
7	Agile Arch Associates & Engineers	5
8	Neha Constructions	5
9	Guntlathoti Reddy Mix Concrete	5
10	Ramky	4
11	Pri Division Office	2
12	Surasani Infra	2
13	KDM Engineering Pvt Ltd.,	5
14	Afcons Infrastructures Ltd.,	1
15	Tulasi Bhagya Nagar	1
16	Chabbras Associats	1
17	Srikara Builders	6
18	On Line	3
19	Staad Pro	3
20	APEWDIC	7
21	Power Grid Corporation Of India Ltd, 765 Kb	1

- Students have actively participated in Ganesh idol model Preparation Program organized by NEC on the event of Ganesh Chaturdhi conducted on 30.8.2022.
- Students have actively participated in Poster presentation Program organized by NEC on the eve of Innovation Day on Sri A.P.J.Abdul Kalam birth anniversary on 15.10.2022.



Department of Civil Engineering

Dreamt it We Built it!

IV B.Tech,Civil-B ,K.Naga Ysaswini (20475A0123),Y.Naga Lakshmi Kumari (20475A0149) got Second Prize in in Poster presentation Program organized by NEC on the eve of Innovation Day on Sri A.P.J.Abdul Kalam birth anniversary on 15.10.2022.

- IV B.Tech Civil-A ,P.Kishore (19471A0141) won the first Prize in Volley ball tournamnet organized by NEC, Narasaraopet on 29/8/2022.



- Civil Engineering Department organized a FDP on Short Term Course on Developing Academic and Administrative Leadership (ICT-137 & CDC-8) in association with NITTTR Chandigarh from December 12-16, 2022.



Important Activities held in the Department

- Civil Engineering Department has organized two days International conference on "ICETCE 2K22" conducted by Department of Civil Engineering, Narasaraopet Engineering College (Autonomous) Narasaraopet from 6-8-2022 to 7-8-2022.



- Civil Engineering Department organized workshop on PRIME-VERA program in association with AGIIT, Chennai for IV civil students from 19th -29th December, 2022.



Industrial Visit

- Civil Engineering Department managed a Industrial visit to Third B. Tech Civil Engineering Students to Srisaillam project on 30-09- 2022.



- Civil Engineering Department organized the Engineers day event on the occasion of Sir M.Viseswarayya garu on his birth Anniversary on 15.09. 2022.



Alumni Interaction:

- N.Manikanta Babu (18475A0127) shared his knowledge regarding job experience with IV B.Tech civil students.



Academic Toppers

NARASARAOPETA ENGINEERING COLLEGE
 DEPARTMENT OF CIVIL ENGINEERING
 III B.Tech. II Semester, Toppers List (2019 batch) July, 2022

CH. PUJITHA 20475A0111 8.53	P. BAJI 20475A0115 8.27	P. GOVARDHAN 19471A0144 8.2	K. VENUGOPAL 19471A0126 8.13	K. MADHURI 20475A0143 8.13
G. VENKATESWARLU 20475A0155 8.13	J. INDRA 19471A0123 8.07	N. CHAKRAVARTHI 20475A0105 8.07	SK. N. JANI 20475A0103 8.0	P. V. NARENDRA 20475A0120 7.93
Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in III B.Tech II Sem				

NARASARAOPETA ENGINEERING COLLEGE
 DEPARTMENT OF CIVIL ENGINEERING
 II B.Tech. II Semester, Toppers List (2020 batch) July, 2022

SK.SALMA SURESHAM 20471A0142 8.88	SHAIK YASIN 21475A0109 8.68	K. ANUHYA 20471A0122 8.47	K. CH. REDDY 20471A0179 8.33	B. KEJIYA 20475A0108 8.19
S.V.SAI KRISHNA 20475A0121 8.09	K. SAIDA BABU 21475A0112 8.07	LELLA SINDHU 20471A0123 8.05	A. INDRA SENA 21475A0102 7.93	P. TIRUMALES 21475A0116 7.93
Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in II B.Tech II Sem				

NARASARAOPETA ENGINEERING COLLEGE
 DEPARTMENT OF CIVIL ENGINEERING
 I B.Tech. II Semester, Toppers List (2021 batch) July, 2022

A.L. HARSHITHA 21471A0103 8.46	T. MANIKANTESWAR 21471A0120 8.31	D. MEERAMMA 21471A0106 8.15	M. ASHOK 21471A0128 7.15	VIVEK KUMAR 21471A0126 6.62
Management, Principal, HOD & Faculty Express their Hearty Congratulations to Toppers in I B.Tech II Sem				

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.



G.Satya Prakash
 Batch (2018-2022)
 Trainee Associate
 Formanic, 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.



K.HEMANTH
 20475A0110
 IV B. Tech