



NARASARAOPETA
ENGINEERING COLLEGE
(AUTONOMOUS)



TECHNICAL MAGAZINE

STAPATHI



JULY TO DECEMBER 2021

Department of

CIVIL ENGINEERING

EDITORIAL BOARD

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Dr. M. SREENIVASA KUMAR

M.Tech, Ph.D (UK), MISTE, FIE(I)
Principal

EDITOR

Dr. P. NAGA SOWJANYA

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

MEMBERS

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 uses for GPS

Construction World says while GPS tracking solutions aren't anything new, they're now being used in more creative and resourceful ways, including: Surveying has been dramatically improved because crews no longer need to use traditional surveying equipment. Data for prospective project sites can be quickly and accurately collected.

Today, each of their vehicles is equipped with a track able device via computers and smartphones. Project managers are also using GPS in fleet management. This lets everyone know where vehicles always are.

It's easier to find lost or stolen equipment because managers can now generate maps that pinpoint the exact location of any of these items.

Faculty Focus

- Dr.P.Naga Sowjanya & Er K V Pratap published a book entitled as "Elements of Building Sciences", Sunraise publication, ISBN No: 978-81-952678-2-8, 2021.
- Er K V Pratap, "Self-curing concrete by partial addition of polyethylene glycol and steel fibers", International Journal of Research and Analytical Reviews (IJRAR), UGC approved, E-ISSN 2348-1269, P- ISSN 2349-5138, Volume No.8, Issue No. 03, July 2021, pp 49-58.
- Er K V Pratap, "Experimental study on mechanical properties of concrete by partial replacement of cement with silica fume", International Journal of Research and Analytical Reviews (IJRAR), UGC approved, E-ISSN 2348-1269, P- ISSN 2349-5138, Volume No.8, Issue No. 03, July 2021, pp 34-40.
- Er K V Pratap, "Partial replacement of coarse aggregate with coconut shells in M30 grade of concrete", International Journal of Research and Analytical Reviews (IJRAR), UGC approved, E-ISSN 2348-1269, P- ISSN 2349-5138, Volume No.8, Issue No. 03, July 2021, pp 12-17.
- Er K V Pratap, "Comparative study on seismic effect of I shaped frame with shear wall & without shear wall effect at different seismic zones", International Journal of Research and Analytical Reviews (IJRAR), UGC approved, E-ISSN 2348-1269, P- ISSN 2349-5138, Volume No.8, Issue No. 03, July 2021, pp 983-996.
- Er K V Pratap, "Study on seismic effect of C-shaped frame and V shaped frame of multi storied building with shear wall & without shear wall in various seismic zones", International Journal of Research and Analytical Reviews (IJRAR), UGC approved, E-ISSN 2348-1269, P- ISSN 2349-5138, Volume No.8, Issue No. 03, July 2021, pp 1-11.
- Mr K Meghanadh, "An experimental study on strength and durability properties of coir fibre and sisal fibre reinforced concrete", International Journal of Scientific research in Engineering and Management, ISSN 2582-3930, Vol: 05, July 2021, Issue: 07.

- Mr K Meghanadh, "Comparative study seismic effect of high rise building of V shaped frame of G+10 and G+15 in different Seismic zones.", International Journal of Research and Analytical Reviews (IJRAR), UGC approved, E-ISSN 2348-1269, P- ISSN 2349-5138, Volume No.8, Issue No. 04, OCT 2021, pp 395-406.
- S.V Siva Raju, "Planning and Analysis, construction of G+5 Building by using PRIMEVERA", SSRG International Journal, ISSN 2348-8352, Volume:8, Sept 2021, Issue No. 3.
- Babu Rao Gudipudi, P. Sai Kiran, "Estimation of groundwater resources in errvagu sub-basin", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021
- Sandu Naresh , K.V.Pratap , "Experimental study on mechanical properties of concrete by partial replacement of cement with silica fume", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- P.Vinod, K.Venkatesh, "Study on seismic effect of I shaped structure with a combination of general frame and shear wall frame in various seismic zones", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- B Siva Manikanta Kumar, S V Siva Raju , K.ANIL KUMAR, "Compaction and Strength Properties of Stabilized Soil due of Delay Time", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- Sarikoda Siva Raju , Bondada Siva Manikanta kumar , K.Anil Kumar, "Stabilizing of Black cotton soils using Fibers and alkali activated rice husk ash", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- T. Srikanth, K.venkatesh , "Comparitive study on c-shaped frame and v-shaped frame of g+10 & g+15 multi storied buildings by using shear wall at various locations for different seismic zones", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- Bezawada Praveen kumar , K.V.Pratap, "Partial replacement of coarse aggregate with coconut shells in M30 grade of concrete", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- G. Yogeswara Reddy, K. Meghanadh , "A Comparative Study on Strength and Durability of Coir Fibre and Sisal Fibre Reinforced Concrete", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021
- V.Ajay Kumar, B Siva Manikanta Kumar, "Stability Analysis of Embankments by Using Geo Slope Software", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- L. Satish Kumar, M.N.S.Sambasiva Rao, "An Experimental Study on Partial Replacement of Fine Aggregate with Marble Dust in Concrete", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- Nuthalapati Srikanth, Surabattuni Murali, "EFFECT OF BACTERIA ON PERFORMANCE OF CONCRETE/MORTAR: A REVIEW", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- Surabattuni Murali, Nuthalapati Srikanth, "Experimental Behavior of Beams with Aggregate Interlocking Under Flexure", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.

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organized by Civil Engineering Department at NEC from 6-7 August 2021.

- S. V. Siva Raju, Sk. Nagur Basha, Sk. Mohammad Abubakr, G. Venkata Ramakrishna, P. Gopi, "Planning, Analysis & Construction Controlling Of G+5 Building By Using PRIMAVERA", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- Shaik Abdul Mukthiyar, K.V.Pratap, "Self-Curing Concrete By Partial Addition Of Polyethylene Glycol And Steel Fibers", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- N.Mahesh, K.V.Pratap, "Comparitive Study On Seismic Effect Of I Shaped Frame With Shear Wall & Without Shear Wall Effect At Different Seismic Zones", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- Thota Amareswar, K.Venkatesh, "Comparitive study on seismic effect of I shaped frame and rectangular frame with a combination of with shear wall and without shear wall effect", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- Dubisetty Venkata Pardha Sai and K.Venkatesh, "Study On Seismic Effect On I Shaped Frame & L Shaped Frame In Various Seismic Zones", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- V Mahendra, K.V. Pratap and K.Venkatesh, "Comparitive Study on Seismic Effect of Two Different Frames with Shear Wall & without Shear Wall in Various Seismic Zones ", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021
- G. Babu Rao, K. Anil Kumar, H.V.N. Trinadh and R. Bharath, "Comparitive Study Of Ground Water Quality Between Industrial And Agricultural Areas Of Guntur District", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- M N S Sambasiva Rao, I Krishna Chaitanya, Muddana Surya Prasanth, Kuruva Sekhar, "Anaysis Of Regional Drought Characteristics In Naguluppalapadu", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- S. Murali Krishna, "Economic and Work Management Monitoring for Residential Construction: A Case Study", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- K Anil Kumar, B Siva Manikanta Kumar and S V Siva Raju, "Seismicity Analysis of Nepal Himalayas and encompassing Regions", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- M.N.Subhani, "Seismic Analysis of Industrial Structure Using Bracings and Dampers", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- M.N.Subhani, "Investigation on Steel Fiber Composite Beam Using Fracture Mechanics Approach", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.
- A. Praneetha and D. Pradeep, " Experimental Analysis On Utilizing Plastic Waste Along With Bitumen In Surface Course Of Flexible Pavement", NEC-ICETCE, organized by Civil Engineering Department at NEC from 6-7 August 2021.

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

- Dr P Naga Sowjanya has participated in one day National Webinar on "How to plan for Startup, Legal & Ethical steps" organized IQAC & IIC, Narasaraopet Engineering College (Autonomous) Narasaraopet on 25-07-2021.

- Dr P Naga Sowjanya has participated in one day National Webinar on "Women In Lead – "Secret of Success." organized Women Empowerment Cell, NEC Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.
- Dr P Naga Sowjanya has participated in one day National Webinar on "IPR & Its role in Research and Innovation" organized Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.
- D Pradeep has participated in one day National Webinar on "IPR & Its role in Research and Innovation" organized Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.
- K Jeyavignes has participated in one day National Webinar on "IPR & Its role in Research and Innovation" organized Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.
- S.V Siva Raju has participated in one day National Webinar on "IPR & Its role in Research and Innovation" organized Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.
- S.V Siva Raju has participated in five day National Webinar on "Recent trends and practices in geo- engineering" organized Csiir-University of Sydney on 15-11-21to 19-11-21.
- S.V Siva Raju has participated in six day National Webinar on "Bridge Engineering" organized Svec-Tirupati on 21-08-21 TO 26-08-21.
- S.V Siva Raju has participated in one day National Webinar on "Sustainable Advancement in Geotechnical Engineering Practices"" organized NIT Patna in association with IGS Patna Chapter and IIT Patna, NIT-PATNA on 05-08-21.
- M.N.S.Sambasiva Rao has participated in one day National Webinar on "Green concrete aggregates and cementitious materials" organized PHCET, Rasayani on 24-07-2021.
- M.N.S.Sambasiva Rao has participated in two days National Webinar on "Recent advances in Concrete Technology" organized Aliet, Vijayawada on 27-07-2021 to 28-07-2021
- M.N.S.Sambasiva Rao has participated in six day National Webinar on "Bridge Engineering" organized SVEC-TIRUPATI on 21-08-21 TO 26-08-21.
- S.Murali has participated in one day National Webinar on "IPR & Its role in Research and Innovation" organized Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.
- S.Murali Has Participated In One Day National Webinar On "Digitalization In Construction "Organized Bharath University On 28-08-2021.
- N.M.Subhani has participated in one day National Webinar on "IPR & Its role in Research and Innovation" organized Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.
- N.M.Subhani Has Participated In One Day National Webinar On "Digitalization In Construction "Organized Bharath University On 28-08-2021.
- K.Meghanadh has participated in one day National Webinar on "IPR & Its role in Research and Innovation" organized Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.
- K.Meghanadh has participated in one day National Webinar on "Capacity Design Concept In Seismic Design Of Reinforced Concrete Buildings" organized KITS on 17-07-2021
- K.Anil Kumar has participated in one day National Webinar on "IPR & Its role in Research and Innovation" organized Narasaraopet Engineering College (Autonomous) Narasaraopet on 24-09-2021.

Department of Civil Engineering

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Student Focus

- Students have actively participated in Ganesh idol model Preparation Program organized by NEC on the eve of Ganesh Chaturdhi conducted on 09.09.2021.



- Students have actively participated in Eswar fest organized by Eswar college of Engineering on 23.12.2021 to 24.12.2021.

IV B.Tech Civil-A, Raghu Vamsi, Roll. No. 18471A0132 got first prize in Dance competition.



III B.Tech Civil-A, CH.Pujitha, Roll No. 19471A0111, M.Priyanka 1947A0147 got first prize in Model making competition.

III B.Tech Civil-A, CH.Pujitha, Roll No. 19471A0111, got first prize in Story writing competition.



Important Activities held in the Department

- Civil Engineering Department has organized two days International conference on "ICETCE 2K21" conducted by Department of Civil Engineering, Narasaraopet Engineering College (Autonomous) Narasaraopet from 6-8-2021 to 7-8-2021.



- Civil Engineering Department has organized one week workshop on "Architectural Modelling using REVIT architecture" through APSSDC Conducted by Department of Civil Engineering, Narasaraopet Engineering College (Autonomous) Narasaraopet from 20-9-2021 to 25-9-2021.

- Civil Engineering Department has organized one week workshop on "Architectural Modelling using REVIT architecture" through APSSDC from 27-9-2021 to 2-10-2021.
- Civil Engineering Department has organized one week workshop on "ETABS Software" through APSSDC from 4-10-2021 to 9-10-2021.
- Civil Engineering Department has organized one week workshop on "ETABS Software" for IV B.Tech students through APSSDC from 1-11-2021 to 6-11-2021.
- Civil Engineering Department has organized Two week workshop on "AUTOCAD Software" from 16-11-2021 to 27-11-2021.
- Civil Engineering Department has organized one day Expert lecture program on "Overview of Ground Improvement Techniques-Compaction" by Dr. P.Venkata Koteswara Rao, Associate Professor, Civil Engineering Department, Vardhaman college of Engineering, Hyderabad on 08-12-2021.



- Civil Engineering Department has organized one day Expert lecture program on "Expert Lecture on Roller Compacted Concrete in Dam Construction" by Dr. I. Siva Parvathi, Associate Professor, Civil Engineering Department, AU college of Engineering (A), Andhra University, Visakhapatnam on 29-12-2021.



- Civil Engineering Department has organized one day Guest lecture program on "GATE-PERSONAL VIEW" by SK.Mahabub Subhani, Associate Professor, Civil Engineering Department, NIT-AP on 23-12-2021.



- Civil Engineering Department has organized Model making competition 11-12-2021.



Department of Civil Engineering

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● **One student placed in ACCENTURE.**

17471A0125	Bhavanam Ajay Bhaskar Reddy
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● **One student placed in CAPGEMINI**

17471A0145	Ashok Reddy Sanikommu
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● **Eight students placed in CORPTEAM SOLUTIONS**

17471A0103	Konda Srikanth Reddy
17471A0111	Nali Suresh
17471A0136	Popuri Bhanu Prakash
17471A0149	Syed Mastan Vali
17471A0159	Palakollu Vijayabhaskarreddy
17471A0178	Murikipudi Syam Kumar
18475A0132	Khareedu Tirumala Gopi
18475A0138	Manda Sudheer Babu

● **Seven students placed in INFOSYS.**

17471A0122	Bandi Anilkumar
17471A0148	Yarasani Krishna Reddy
17471A0164	Yallamati Ratnapal
17471A0172	Gantenapati Karunya Sharan
18475A0103	Tanneeru Venkata Nagaraju
18475A0122	Shaik Nagur Basha
18475A0129	Appasani Gopi Krishna

● **Ten students placed in LANTECH CONSULTANCY**

17471A0117	Shaik Sayyad Mohammad
17471A0124	Gopanaboina Jhansi Bhuvanewari
17471A0133	Ponnam Venkata Gopi Chand
17471A0144	Kandula Ajay Kumar Reddy
17471A0108	Shaik Jakeer Basha
17471A0109	Mannam Ramu
17471A0123	Neelam Ramakrishna
17471A0126	Bhavanam Anji Reddy
18475A0105	Gayam Sai Teja
18475A0107	Ravuri Bharath

● **Twenty students placed in LDR SURVEY**

18475A0119	Banda Mahammad Rafi
17471A0156	Kranti Mani Babu
17471A0110	Degala Mythresh Krishna
17471A0170	Vutukuri Krishna Vamsi
17471A0113	Maddu Uday Kumar
17471A0107	Shaik Chand Basha
17471A0114	Annapureddy Srinivasareddy
17471A0143	Sunkara Teja Venkatesh

17471A0141	Nadyala Kuladeep Nvishnu Vardhan Reddy
18475A0116	Shaik. Mohammad Abubakar
17471A0134	Vallepu Ajay Kumar
17471A0146	Ganji Mahendra Reddy
17471A0166	Srikaram Raviteja
18475A0115	Kandukuri Kiran Kumar
18475A0127	Nallagangula Manikanta Babu
18475A0139	Pathipati Lokesh
18475A0124	Shaik Shabbir Ali
18475A0125	Lakkakula Akhilesh
18475A0126	Peram Lakshminarayana
18475A0128	Kongara Gowtham Sai

● **Twelve students placed in Savantis Solutions India Pvt Ltd**

17471A0101	Pathan Mohammad Gousay Azam Khan
17471A0106	Vallem Phani Krishna Prasad
17471A0121	Ayinaboina Suman Raju
17471A0131	Lanka Akash
17471A0139	Prathipati Suresh
17471A0151	Velpula Kishore
17471A0163	Kandula Siva Reddy
17471A0174	Iylam Sai Akhil Ganesh
18475A0101	Melam Madhu Babu
18475A0111	Namathoti Rajesh
18475A0121	Nindujarla Roja Kiran
18475A0135	Akkala Gayathri

● **Eleven students placed in SURYA TECH SOLUTIONS**

17471A0104	Rajanala Srivatsava
17471A0116	Somisetty Venkata Leela Krishna
17471A0128	Athipatla Sandeep
17471A0137	Gogula Sudhakar
17471A0142	Gurram Venkata Reddy
17471A0147	Kuchipudi Nagababu
17471A0155	Katari Sumanth
17471A0167	Angalakuditi Saidulu
17471A0177	Guthikonda Tulasi Reddy
18475A0113	Giddaluri Priyanka
18475A0118	Gangirekula Venkata Ramakrishna

● **Eight students placed in TATA**

17471A0171	Lakshma Reddy Pulusu
17471A0168	Mahaboob Shaik
17471A0119	Naresh Reddy Kalli
18475A0106	Raja Sekhar Kakarla
18475A0102	RAHIM SHAIK
17471A0115	Veeranjaneyulu Botchu
17471A0129	Veera Reddy Kandula
17471A0162	Sri Venkatasiva Pondugula

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Ten students placed in TATA STRIVE

17471A0118	Yakkala Veeranjanyulu
17471A0127	Nagalla Gopi Anand Sai
17471A0138	Shaik Abdul Rehman
17471A0152	Guduri Chantibabu
17471A0158	Panditi Naveen Kumar Reddy
17471A0175	Shaik Fayaz
18475A0108	Malluri Balaji
18475A0114	Mukkara Santosh Kumar
18475A0123	Jillellamudi Praveen Kumar
18475A0131	Vemavarapu Mangamma

Seven students placed in TECH MAHINDRA

17471A0120	Gattla Venkata Sai
17471A0130	Kantu Mahesh Babu
17471A0140	Manasu Kiran Kumar
17471A0150	Male Pavan
17471A0179	Konjeti Gopi Gangadhar
18475A0110	Yamparala Karthik
18475A0130	Ambarapu Hari Krishna Reddy

Industrial Visit

- Civil Engineering Department managed a Industrial visit to Third B.Tech Civil Engineering Students to Srisailem project on 11-10- 2021.



- Civil Engineering Department managed a Industrial visit to Second B.Tech Civil Engineering Students to Pulichintala project on 10-12- 2021.



Academic Toppers

Students of III, II & I year who stood I, II, II Positions in the semester end examinations held in October/November-2021.



I. Hasmitha
18471A0115
8.64



D. Arun Babu
18471A0111
8.50



P. Chakravarthi
18471A0136
8.36



P. Govardhan
19471A0144
8.92



K. Hemanth
20475A0110
8.85



K. Venu Gopal
18471A0136
8.77



K. Anuhya
20471A0122
8.92



P. Gopi chand
20471A0122
8.38



Salma suleiman.sk
20471A0122
8.31

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.

B. Ajay Bhaskar Reddy, Batch (2017-2021), Application Development Associate, Accenture, 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.

Pathan Jilani, 19475A0103, IV CIVIL, B Section