



Anil Neerukonda Institute of Technology and Sciences

Civil Engineering News

Newsletter published by Department of Civil Engineering



Vol. 10

No. 1

August 2024

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VINIRMITHI 24 9th National level student's technical symposium was organized by the department of civilian sharing in association with Indian Institute of Engineers and its student chapter during 01st and 02nd March 2024. Events like TEXPLORA (Paper Presentation), VIRTUOSO (Poster Presentation), CAD CLASH (AutoCAD Contest), POPSICLE PONTE (Popsicle Bridge Design Contest), CASTELLETE (Brick Arch Design Contest), TECHNOVA (Project Expo), TECHNIZ (Technical Quiz), and Also Spot Events Like INDIANA CUBE (Treasure Hunt), TECHNOBUZZ (Just a Min), SHUTTERBUG (Spot Photography), were conducted to encourage students to think different and update themselves in the future innovations. A total of participants from various colleges participated in this event. Details inside...

Courses Offered

- B. Tech. (Civil Engineering) - 4 Years duration
- M. Tech. (Structural Engineering) - 2 Years duration



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Principal

From the Chief Editor's Desk



I am delighted at the release of the 10th Annual Issue of Civil Engineering News, Newsletter published by Department of Civil Engineering, ANITS in 2024.

As a matter of practice, this Annual issue is published to update all the stakeholders with Professional Society Activities, Faculty Publications, Workshops/Seminars/Symposia organized, R&D and Consultancy Projects in the Department, Faculty Achievements, Seminars/Workshops/Conferences attended by Faculty and Student Achievements for the year 2023-24 etc.

I congratulate the Editorial Board on this occasion.

We are grateful to the Management and Principal for their continuous encouragement, and support extended for publication of this "Civil Engineering News"

Dr. B.N.D. Narasinga Rao
Professor & Head
Department of Civil Engineering

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Department Profile

ANITS

Anil Neerukonda Institute of Technology & Sciences (ANITS) was founded by Anil Neerukonda Educational Society (ANES). The Institute's humble journey started in 2001 with four B.Tech. Programmes. Within 14 years of its establishment, the Institute registered phenomenal growth and is accredited by NBA and NAAC with A+ grade. It is permanently affiliated to Andhra University and achieved Autonomous status by UGC in 2015.

Institute Vision

To emerge as a world class technical institution.

Institute Mission

To impart holistic technical education by providing

- The state of the art infrastructure
- Exceptional technical and teaching expertise
- Best of human values

Department of Civil Engineering

The Department of Civil Engineering, established in 2011, offers the following programs

- B.Tech. Civil Engineering
- M.Tech. Structural Engineering

Both programs are approved by AICTE and affiliated to Andhra University.

Vision

To emerge as a leading Civil Engineering Department globally.

Mission

- I. Empower our students with contemporary and industry relevant skills in Civil Engineering using outstanding technical and teaching expertise and best of infrastructure.
- II. Nurture holistic development of our students inculcating universal human values and life skills for serving the society as leaders of their profession.

Program Outcomes (POs)

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, research literature, and analysing complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

1. Plan and develop safe, economical and sustainable buildings and other structures based on applicable professional standards, codes and ethics.
2. Analyze and solve stability problems in soils for design of foundations and plan and design highway, railway and other transportation systems based on applicable safety standards and codes
3. Plan and develop irrigation and water supply systems and analyze and solve problems due to pollution of air, water and land leading to a nourished, richer and healthy society.

Program Educational Objectives (PEOs)

The Program is expected to enable the students, within 3 to 5 years of their graduation, to:

1. Successfully practice Civil Engineering in construction industry, public sector and entrepreneurship, ensuring a prosperous professional career.
2. Pursue higher education and Research for professional development contributing to the advancement of civil engineering through lifelong learning.
3. Demonstrate leadership abilities actively contributing to societal needs with a focus on sustainable development and human values.

Infrastructure

All laboratories in the department are well established with the latest modern equipment. The Department has Computer Centre, A/c Seminar hall, Department library etc. The Department also has ArcGIS, STAAD Pro and 25 other civil engineering licensed software.

Faculty

The Department is headed by Dr. B.N.D. Narasinga Rao, who has 26 years of Teaching, Research and Consultancy experience. The Department is supported by qualified and experienced faculty, as well as skilled technicians and non-teaching staff. The Department has well equipped laboratories and spacious classrooms.

He is also the Principal Investigator for UGC Minor Research Project on Fly ash utilization. B.N.D. Narasinga Rao, Professor & Head, Civil authored Textbook on Soil Mechanics and Foundation Engineering, Wiley International Publishers. This book is prescribed by 10 universities and Autonomous colleges across AP, Tamilnadu, Odisha, Rajasthan and UP. Also, the book was cited as the Best Book in Soil Mechanics for GATE2017, by the Websites 'Entrances of India' and 'Indiatown.in'.

Consultancy Services

The Centre for Industrial Consultancy and Sponsored Research (ICSR) was established at ANITS to be an effective Interface with the Industry in fostering technology development, technical consultancy, collaborative R&D for mutual benefits. The key agenda of the IC&SR is to showcase and transfer the Institute's intellectual ware to industry and also inject industrial relevance in teaching and research at ANITS. Its uniqueness lies in the wealth of expertise and modern facilities of the Department, manned by qualified teaching faculty with wide-ranging areas of specialization.

Geotechnical Engineering

- Geotechnical Investigations and Reports
- In-situ and laboratory testing of soil and rock
- Soil & Rock Sample collection & Lab Testing
- Recommendation of suitable foundation and Solutions to Foundation problems

Structural Engineering

- Design of Structures
- Tests on cement, concrete, steel
- Concrete Mix design
- Tests on aggregates, bricks, stones
- Tests on other building materials

Transportation Engineering

- Highway materials testing
- Pavement design and maintenance
- Traffic and Transportation Planning

Environmental Engineering

- Water Quality analysis
- Sewage analysis

Surveying

- Surveying with total station
- preparation of maps/ plans in AutoCAD

Consultancy projects 2023-24

- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, "Geotechnical Investigation Report for the proposed construction of Water Treatment Plant, Over Head Tank and Intake Well for Balangir -1, Scheme-1" for Megha Engineering and Infrastructure Limited (MEIL), Odisha with a revenue generated **Rs. 4,35,000** by Laboratory testing at ANITS during July, 2023 – July, 2024.

- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, "Geotechnical Investigation Report for the proposed construction of Water Treatment Plant, Over Head Tank and Intake Well for Balangir -2, Scheme-1" for Megha Engineering and Infrastructure Limited (MEIL), Odisha with a revenue generated **Rs. 2,13,000** in Laboratory testing at ANITS during July, 2023 – July, 2024.
- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, "Geotechnical Investigation Report for the proposed construction of Water Treatment Plant, Over Head Tank and Intake Well for Balangir -3, Scheme-1" for Megha Engineering and Infrastructure Limited (MEIL), Odisha with a revenue generated **Rs. 3,04,000** in Laboratory testing at ANITS during July 2023 – July 2024.
- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, "Geotechnical Investigation Report for the proposed construction of Water Treatment Plant, Over Head Tank and Intake Well for Balangir -3, Scheme-2" for Megha Engineering and Infrastructure Limited (MEIL), Odisha with a revenue generated **Rs. 3,26,000** in Laboratory testing at ANITS during July, 2023 – July, 2024.
- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, "Geotechnical Investigation Report for the proposed lift Irrigation project for Gopinathpur" for Megha Engineering and Infrastructure Limited (MEIL), Odisha with a revenue generated **Rs. 77,000** in Laboratory testing at ANITS during July, 2023 – July, 2024.
- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, "Geotechnical Investigation Report for the proposed GLSR for Kalhandi" for Megha Engineering and Infrastructure Limited (MEIL), Odisha with a revenue generated **Rs. 3,85,000** in Laboratory testing at ANITS during July, 2023 – July, 2024.
- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, "Geotechnical Investigation Report for the proposed construction of Over Head Tank and Intake Well for Sonepur" for Megha Engineering and Infrastructure Limited (MEIL), Odisha with a revenue generated **Rs. 2,32,000** in Laboratory testing at ANITS during July, 2023 – July, 2024.

- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, “Geotechnical Investigation Report for the proposed construction of Commercial building at Chittivalasa,” for New Dolphin Heights Pvt Ltd, Odissa with a revenue generated **Rs. 3,600** in Laboratory testing at ANITS during July, 2023 – July, 2024.

- Dr. B.N.D. Narasinga Rao, Professor & Head, Civil successfully completed the Consultancy project, “Geotechnical Investigation Report for the proposed construction of Bridge at Gullepalli, Sabbavaram Mandal, Visakhapatnam” for Megha Engineering and Infrastructure Limited (MEIL), Odissa with a revenue generated **Rs. 1,12,000** in Laboratory testing at ANITS during July, 2023 – July, 2024.

Industrial Visits Organized



IV-year Civil students
Polavaram Irrigation Project and Dam Construction Site on 14-10-2023



III-year Civil students
Construction site on 30-10-2023



II-year Civil students
Water treatment plant, Narava on 25-11-2023



II-year Civil students
Road Construction Site at Simhachalam on 15-05-2024

Guest Lectures / Seminars Organized



Guest Lecture on “Entrepreneurial development program: How to plan for start-up and legal and ethical steps” by Sri. J.B. Balaji, Director, Transcad Engineering & Detailing LLC, Visakhapatnam on 30.08.2023.



Guest lecture on “Recent innovations in stabilization of earthen building materials” by Prof. H.B. Nagraj, Professor and Head, Department of civil Engineering, BMS College of Engineering, Bengaluru organised by IGS ANITS Students Chapter on 31.10.2023.



A guest lecture on “Folded Plate Structure for the Sports Complex at IIT Hyderabad: Challenges in the Construction” by Sri. K. S. Ravindra, Superintending Engineer, IIT Hyderabad on 01/04/2024

FDPs Organised



A two-week FDP is conducted on “Universal Human Values & Ethics” from 29/01/2024 to 10/02/2024

Vinirmithi'23 – 9th National Level Students' Technical Symposium

VINIRMITHI 24 9th National level students technical symposium was organized by the department of civilian sharing in association with Indian Institute of Engineers and its student chapter during 01st and 02nd March 2024. Events like TEXPLORA (Paper Presentation), VIRTUOSO (Poster Presentation), CAD CLASH (AutoCAD Contest), POPSICLE PONTE (Popsicle Bridge Design Contest), CASTELLETE (Brick Arch Design Contest), TECHNOVA (Project Expo), TECHNIZ (Technical Quiz), and Also Spot Events Like INDIANA CUBE (Treasure Hunt), TECHNOBUZZ (Just a Min), SHUTTERBUG (Spot Photography), were conducted to encourage students to think different and update themselves in the future innovations. A total of participants from various colleges have participated in this event.



Prof. K. Sri Rama Krishna, Principal was the Chief guest for the Valedictory program. He gave away the prizes to the winners and gave very useful advices to the students to plan their career. and Dr. B.N.D. Narasinga Rao Professor & Head-Civil addressed the students and distributed the prizes.

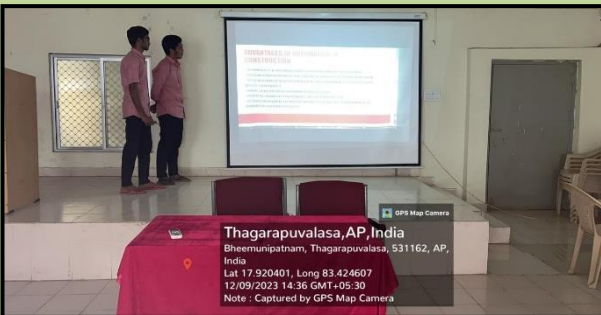
Club Activities Conducted



Sports Competition was conducted under Vaisishtya Students Club for All Civil Engineering Students from 16-10-2023 to 19-10-2023



Extra-Curricular and Cultural Events organized on the occasion of Dussehra by Vaisistyta Sudents Club for all Civil Engineering students on 20-10-2023



A seminar on "Recent trends in Automation Methods used in Civil Engineering" under IEI Students chapter for I year students of Civil Engineering on 12-09-2023.



JAM (Just in A Minute) Competition was conducted under Vaisishtya Students Club for II/IV Civil Engineering Students on 25-11-2023.



A poster presentation was organized on “National Pollution control day” on December 8th ,2023 under auspices of ASCE, ANITS civil engineering student chapter.



The Civil Engineering Department at ANITS hosted Pongal Celebrations, which included Rangoli and Tug of War competitions organized by the Civil Engineering Student Club, VAISISTYA on 12 January 2024.

Students Achievements

- ANITS Civil Engineering team with 6 students has been the Joint Winner at Smart India Hackathon, Coimbatore with Rs 50,000 reward for the Innovative Project “Eco-Builder”.
- Five final year students of civil engineering department attended the Seminar on Materials and Technologies for Infrastructure Projects held at Andhra University College of Engineering on 1st March 2024.
- ANITS Civil students have Won 1st prize of Rs. 1,00,000 in National Level 48 Hour Hackathon event in AVISHKAAR 2024, Held in AITAM college Tekkali.





Students Achievements in Sports

S.No	Name of the student	Year of studying	Name of the event	Name of the Organisation	Date of the event	Prizes won
1.	B. Hemanth	I/IV	Cricket	Sanketika Vidya Parishad	05-04-2024& 06-04-2024	1st
2.	M. Gowri Sankar	II/IV	Cricket	Sanketika Vidya Parishad	05-04-2024& 06-04-2024	1st
3.	Y.M.S.S.L. Eswari	II/IV	Athletics 800m	ANITS	02/03/2024	2nd
4.	Y.M.S.S.L. Eswari	II/IV	100m	ANITS	02/03/2024	3rd
5.	M. Navadeep	II/IV	Badminton	ANITS	17/02/2024	1st
6.	M. Surya	III/IV	Badminton	ANITS	17/02/2024	1st
7.	M. Surya	III/IV	Shotput	ANITS	02/03/2024	3rd
8.	M. Surya	III/IV	Athletics 1600m	ANITS	02/03/2024	2nd
9.	G. Ganesh	IV/IV	100m	ANITS	02/03/2024	2nd
10.	G. Ganesh	IV/IV	Long Jump	ANITS	03/03/2024	2nd
11.	G. Ganesh	IV/IV	Athletics 1600m	ANITS	02/03/2024	3rd
12.	K Sai Atchut Sathwik	I/IV	Badminton	Sports Authority, Andhra Pradesh	14/12/2023	Participation

NPTEL for Students enrolled and completed

S No	Year-Sem	Regd Number	Name of the student	Name of the course	Status
1	III-I	A21126508029	R.Naga Jyoteswari	Sustainable Engineering	Elite-Completed
2	III-I	A21126508031	Ch.Srihitha	Sustainable Engineering	Elite-Completed
3	III-I	A21126508053	P.Sravan Kumar	Sustainable Engineering	Elite-Completed
4	III-I	A21126508056	N.Prasad	Sustainable Engineering	Elite-Completed
5	IV-I	320126508002	A.susmitha	Admixtures & Special Concretes	Elite-Completed
6	IV-I	320126508002	D.Aparna	Admixtures & Special Concretes	Elite-Completed
7	IV-I	320126508002	K.Asrihitha	Admixtures & Special Concretes	Elite-Completed
8	IV-I	320126508002	N.Lalitha	Admixtures & Special Concretes	Elite-Completed
9	IV-I	320126508002	Ch.Charishma	Admixtures & Special Concretes	Elite-Completed
10	IV-I	320126508002	B.Pavan Kumar	Admixtures & Special Concretes	Elite-Completed
11	IV-I	320126508002	K.Balaram	Admixtures & Special Concretes	Elite-Completed
12	IV-I	320126508002	N.Appalanaidu	Admixtures & Special Concretes	Elite-Completed

Students Placed from B.Tech. Civil 2020-24 Batch

S. No	Regd. No	Name of the student	Name of the Company	CTC (L.P.A)
1	320126508001	Ayyappa Kundaraju Adabala	MEIL	3.12
2	320126508003	Uday Kiran Bairi	MEIL/Shoba	3.12
3	320126508006	Jyothi Swaroop Barla	MEIL/Shoba	3.12
4	320126508007	Borigi Dinesh Karthik	MEIL	3.12
5	320126508008	Dileep Kumar Chalumuri	MEIL	3.12
6	320126508009	Charan Chella	MEIL	3.12
7	320126508010	Gyanesh Dhangathi	MEIL	3.12
8	320126508012	Aparna Tejaswini Doddi	IMEG	3.10
9	320126508013	Chakradhara Rao Doddi	MEIL	3.12
10	320126508014	Siva Tharun Dumpala	MEIL/Shoba	3.12
11	320126508016	Adarsh Naidu Gade	MEIL	3.12
12	320126508020	Ganesh Gullipalli	MEIL/Shoba	4.12
13	320126508021	J. Venkata Satya Sai Hemanth	MEIL	3.12
14	320126508023	Vidya Sagar Kadiyam	MEIL	3.12
15	320126508025	Asritha Kandula	TCS Digital	7.00
16	320126508026	Tarun Chandra Kumar Karinki	MEIL/BSCPL	3.12
17	320126508027	Krishna Sree Baggam	Acmegrade	4.20
18	320126508030	Rajanarasimhanaidu Naini	MEIL	3.12
19	320126508032	Ramesh Vobbiliseti	MEIL	3.12
20	320126508033	Umasankar Sadhu	MEIL/BSCPL	3.12
21	320126508037	Thushar Basha Shaik	MEIL	3.12
22	320126508038	Vasu Siripurapu	MEIL	3.12
23	320126508039	Nischal Akash Talabathula	MEIL	3.12
24	320126508040	Karthikeya Uppada	MEIL/BSCPL/Shoba	4.12
25	320126508041	Tarun Kumar Vandana	MEIL/BSCPL	4.00
26	321126508L01	K S Shivani	Acmegrade	4.20
27	321126508L02	Suryanarayana Raju Datla	MEIL	3.12
28	321126508L06	Akash Pydi	MEIL	3.12
29	321126508L08	Devaraju Paradhi	MEIL/BSCPL	5.00
30	321126508L10	Pavankumar Siriseti	MEIL/BSCPL	5.00
31	321126508L11	Sai Srinath Kandi	MEIL	3.12
32	321126508L12	Sai Niranjan Matcha	MEIL	3.12
33	321126508L13	Balaram Koviri	MEIL/BSCPL/Shoba	4.00
34	321126508L14	Neeraj Annepu	MEIL	3.12
35	321126508L15	Pavan Sai Gembali	MEIL/Shoba/IMEG	4.12
36	321126508L16	Prasanth Kumar Barla	MEIL/BSCPL/Shoba	5.00
37	321126508L17	Sravan Kumar Kandipalli	MEIL	3.12
38	321126508L19	Md Akhil Bilal	MEIL	3.12

S. No	Regd. No	Name of the student	Name of the Company	CTC (L.P.A)
39	321126508L21	Appala Naidu Nagalla	MEIL/BSCPL	4.00
40	321126508L22	Dondapati Saikumar	MEIL/BSCPL	4.00
41	321126508L25	Viswa Sai Dinesh Simhadri	TCS NxtWave	4.80
42	321126508L28	Ajay Marada	MEIL	3.12
43	321126508L29	Vamsi Potnuru	MEIL	3.12
44	320126508031	Dheeraj Pusarapu	MEIL	3.12
45	320126508036	Suresh Seemala	MEIL	3.12
46	321126508L05	Dhanesh Reddy	MEIL	3.12
47	321126508L24	Harish Boddeti	MEIL	3.12
48	321126508L27	Nagendra Babu Sanivarapu	MEIL	3.12
Average CTC (LPA):				3.53

Students qualifying in competitive exams

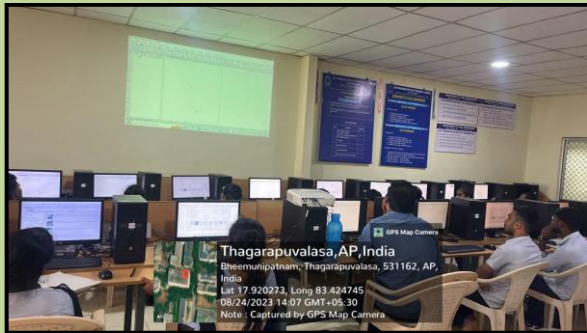
S.No.	Name of Student	Regd. No.	Examination Qualified
1	Appala Naidu Nagalla	321126508L21	GATE
2	Koviri Balaram	321126508L13	GATE
3	Karthikeya Uppada	320126508040	GATE

Students enrolled in Higher Education

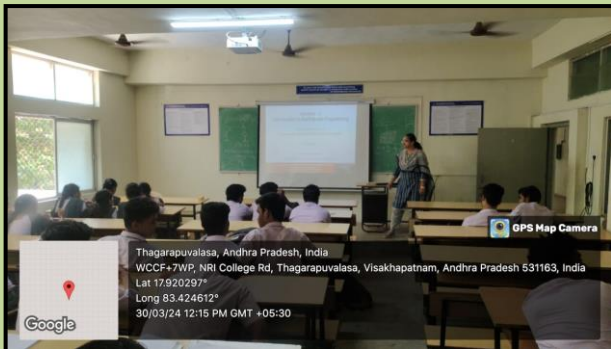
S.No.	Name of Student	Regd. No.	University / Institute
1	Susmitha Astanaditta	320126508002	NICMAR
2	Gyanesh Dhangathi	320126508010	NICMAR
3	Gayathri Sushriya Raghupatruni	320126508018	NICMAR
4	Dhanesh Reddy	321126508L05	NICMAR
5	Balaram Koviri	321126508L13	NIT Kurukshetra
6	Appala Naidu Nagalla	321126508L21	IIT Madras (L&T Build India Scholarship)

Other Activities

Value added course



The Department of Civil Engineering is organized a two-week value added course on “Analysis & Design of Structures using ETABS”. Resource Person is Mr. P.V.R.K. REDDY, Assistant Professor, Department of Civil Engineering, ANITS from 21st August 2023 to 02nd September 2023.



The Department of Civil Engineering is organized a two-week value added course on “Earthquake Resisting Design of Buildings”. Resource Person is Dr. P.V.S. Neelima, Assistant Professor, Department of Civil Engineering, ANITS from 20 March 2024 to 04 April 2024 for III Year Civil Engineering students.

Outreach activity



Project expo, an outreach activity is conducted on Engineer’s Day (15 Sep 2023) where 20+ models are presented by 59 students and 100+ school students are invited for the interaction with the students of ANITS.



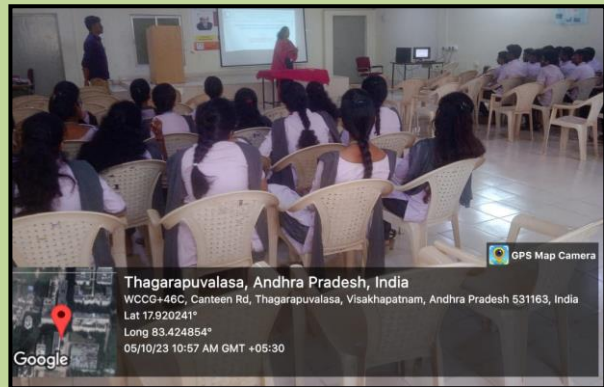
Department of Civil Engineering in association with National Service Scheme (NSS) has organised an outreach activity on Clean Department on 23rd Dec 2023 in which 1st, 2nd and 3rd year students participated actively.

Extension Program



Department of Civil Engineering in collaboration with National Service Scheme (NSS) have organised an extension program on 28th Nov 2023 in which 24 students participated. It involved a door-to-door survey to gain insights into the challenges and concerns faced by residents in Thatituru village, Bheemili. The information so collected is proposed to be used to identify areas that require attention and to promote potential solutions.

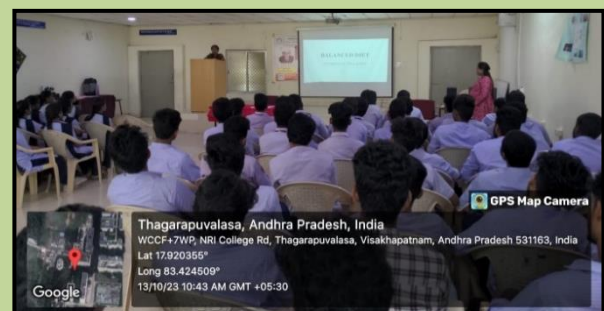
Skill development programs



Capacity development and skills enhancement activity on "Importance of Language and Communication Skills" for III Year Students on 05-10-2023



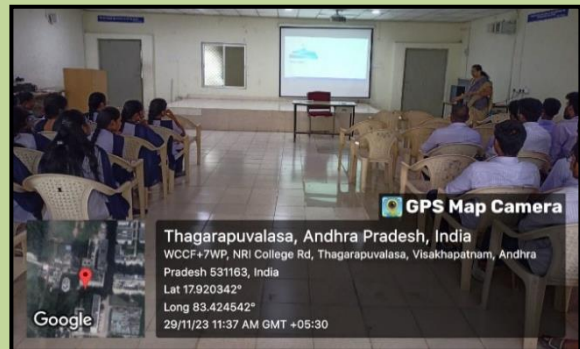
Capacity development and skills enhancement activities of soft skills on "Approach in Communication" for II Year Students of Civil Department on 06-10-2023



Program on Life skills: A Holistic Approach Towards Proper diet and stress Management by Dr. Kavya Valli, Sr. Dietician, ANH on 13-10-2023.



Career awareness programme by IACE (Indian academy of competitive Examinations) for II Year Students on 09-11-2023.



Department of Civil Engineering, ANITS has organised an interactive session on “Introduction to earthquake engineering” by Dr. P V S Neelima, PhD in earthquake engineering, IIIT Hyderabad on the concepts of seismic hazard, and building vulnerability on 19th Nov 2023 in which 47 students participated.

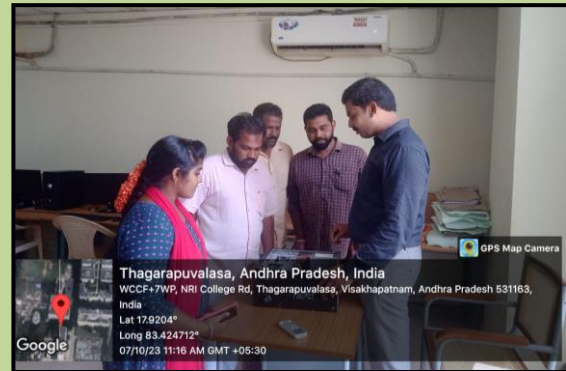
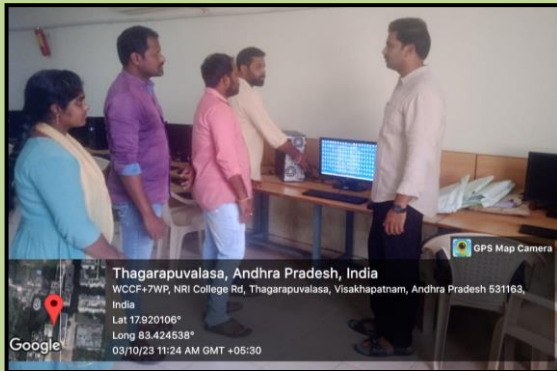


Capacity development and skills enhancement activity on "Maximising Interview success; Balancing Best practices" for III Year Students on 07-02-2024.



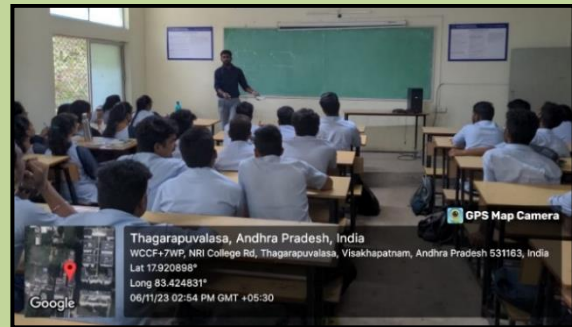
A Seminar on “Higher education reforms in AP and Strategic Development with Human Interface” by Andhra Pradesh Development Dialogue on 03-02-2024 at Andhra University attended by III year students of Civil Engineering, ANITS.

Training programs



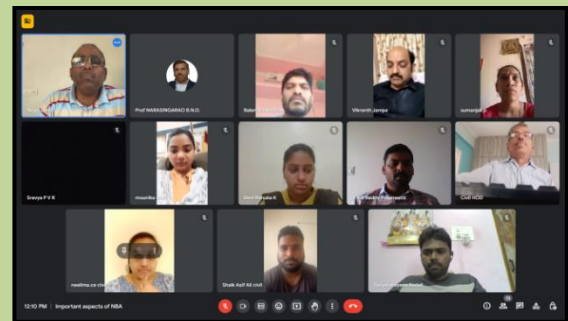
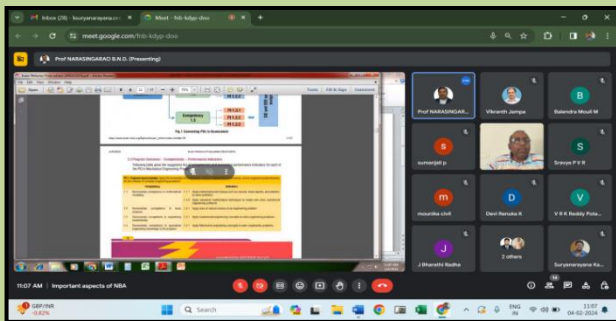
The Department of Civil Engineering organized a one-week training programme on “Hardware and Networking” by Dr. P.V.R.K. Reddy, Assistant Professor, Department of Civil Engineering to all the Lab Technicians and programmer of Civil Engineering Department from 03-10-2023 to 09-10-2023.

IMEGCorp Company specific training



Department of Civil Engineering have organised a campus specific training program for IV-year eligible students of civil engineering from 06.11.2023 to 10.11.2023

Other Department activities



Department of Civil Engineering organized an interactive session on “Important aspects of MBA” by Dr. H.B.Nagaraj, Professor, BMS College of Engineering on 04-02-2024.



Awareness program on “Higher education in New Zealand” by IVY Overseas Foreign Education Consultants, Visakhapatnam on 15/04/2024 for III and IV Year Civil Engineering Students.

Faculty Achievements (2023-24)

Faculty Publications (2023-24)

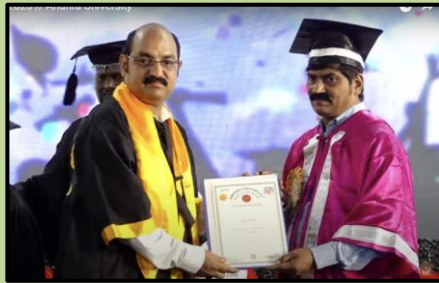
1. Rajaram Chenna, Neelima Patnala, Jaya Prakash Vemuri, Pradeep Ramancharla, "Insights on the June 21, 2022, Khost Earthquake, Afghanistan", Sadhana, Indian Academy of Science 48: 144, July, 2023. **(SCIE Indexed)**
2. P.V.R.K. Reddy & D. Ravi Prasad, "The effect of graphene oxide-fly ash hybridisation on the hydration, microstructure and mechanical characteristics of cement concrete." Fullerenes, Nanotubes and Carbon Nanostructures, Published on 06 Dec 2023 DOI: 10.1080/1536383X.2023.2287603. **(SCIE Indexed)**
3. P.V.R.K. Reddy & D. Ravi Prasad, "Nano-reinforced cement composites and novel insights from graphene oxide: a review." Bulletin of Materials Science 47, 17 (2024). DOI: 10.1007/s12034-023-03092-1. Published on 17 January 2024. **(SCIE Indexed)**
4. P.V.R.K. Reddy, D.R. Prasad, (2024). Experimental and Numerical Investigation on Stress–Strain Relationship of Graphene Oxide and Fly Ash-Based Concrete Under Axial Compression. In: Pancharathi, R.K., K. Y. Leung, C., Chandra Kishen, J.M. (eds) Low Carbon Materials and Technologies for a Sustainable and Resilient Infrastructure. CBKR 2023. Lecture Notes in Civil Engineering, vol 440. Springer, Singapore. DOI: 10.1007/978-981-99-7464-1_31. Published on 23 January 2024. **(Book Chapter)**

Paper presentations in Conferences

1. P.V.R.K. REDDY presented his paper entitled "A study on strength of concrete with partial replacement of cement and fine aggregate with metakaolin and quarry dust" in the International Conference on Creative and Innovative Solution in Civil Engineering (CISCE 2023) held at MNIT, Jaipur, Rajasthan, India during 11-12, August 2023.
2. Mubeena Begum, Neelima Patnala, "Improved Structural Behaviour of important Reinforced Concrete Buildings to Resist Earthquake Forces", In Proceedings of International Conference on Generic and Pedagogical Research in Civil Engineering and its Allied Sciences (GPREC), Kurnool, AP, 10-11 Nov, 2023.
3. Dr. Balendra Mouli Marrapu presented a poster on "Sustainable Recycling of PPE Biomedical Waste for Eco-Friendly Brick Production" within the theme of Circular Economy and Resource Recycling at the 1st International Conference "Advances in Environmental Sustainability, Energy, and Earth Science (AESEE)-2024" held at SRM University Amaravathi from March 14 – 16, 2024.
4. Mrs. P Sumanjali presented a poster on "A Comparative Analysis of Coir fibre and Synthetic fiber for stabilizing Red Alluvial Soils" within the theme of "Green Technologies for Sustainable Solutions" at the 1st International Conference "Advances in Environmental Sustainability, Energy, and Earth Science (AESEE)-2024" held at SRM University Amaravathi from March 14 - 16, 2024.

Journal Reviewers

1. Dr. B.N.D. Narasinga Rao reviewer for Journal of Materials Science Research and Reviews.
2. Dr. B.N.D. Narasinga Rao reviewer for Journal of Experimental Agriculture International.
3. Dr. B.N.D. Narasinga Rao reviewer for Springer Journal: Innovative Infrastructure Solutions, Springer Journal
4. Dr. B.N.D. Narasinga Rao reviewer for the Book chapter "Soil Stabilization Experimentation with Natura I Pozzolana for Cost Effective Road Construction Projects in Tanzania" published by BP International, June 2024
5. Dr. J Vikranth reviewer for 1st National Conference on "Design Thinking: Trans-Disciplinary Challenges & Opportunities" organized by Andhra University in July 2023.
6. Dr. Balendra Mouli Marrapu reviewed 3 Papers for The Fourth International Conference on Sustainable Energy, Environment and Green Technologies.
7. Dr. P.V.R.K. Reddy reviewer for Journal of Construction & building materials.
8. Dr. P.V.R.K. Reddy reviewer for Journal of Discover Applied Sciences.
9. Dr. P.V.R.K. Reddy reviewer for Journal of Fullerenes, nanotubes and carbon nanostructures.
10. Dr. P.V.R.K. Reddy reviewer for Iranian journal of science and technology. Transactions of civil engineering.
11. Dr. P.V.R.K. Reddy reviewer for Jordan journal of civil engineering.
12. Dr. P.V.R.K. Reddy reviewer for Journal of building pathology and rehabilitation.
13. Dr. P.V.R.K. Reddy reviewer for Journal of rehabilitation in civil engineering.
14. Dr. P.V.R.K. Reddy reviewer for Journal of Scientific reports.



Awards and Rewards

1. Dr. B.N.D. Narasinga Rao Member, Board of Studies, Civil Engineering, Baba Institute of Technology & Sciences, Visakhapatnam
2. Dr. J Vikranth received appreciation certificate from honorable Vice chancellor Prof. P.V.G.D. Prasad Reddy for the outstanding service as the ORGANIZING CHAIR at the 1st National Conference on "Design Thinking: Trans-Disciplinary Challenges & Opportunities" organized by Dr. B. R. Ambedkar Chair, Andhra University in collaboration with Andhra University Trans-Disciplinary Research Hub on the 7th and 8th of July 2023.
3. Dr. J Vikranth has been promoted to the position of Professor in the Department of Civil Engineering at ANITS in January,2024.
4. P.V.R.K. Reddy awarded Ph.D Degree from National Institute of Technology, Warangal on 14-09-2023.
5. Dr. Balendra Mouli Marrapu contributed as a resource person and delivered a presentation entitled "Application of Soft Computing Techniques in Geotechnical Engineering" at the Faculty Development Program (FDP) focused on "Artificial Intelligence and Machine Learning in Civil Engineering." The program was conducted by the Department of Civil Engineering in partnership with CEPTA, the American Society of Civil Engineers (ASCE), and took place from February 19th to 23rd, 2024, at Sree Narayana Institute of Technology, Adoor, Pathanamthitta, Kerala.

FDPs, Webinars, NPTEL Courses and STTPs Attended by Faculty

1. Dr. B.N.D.Narasinga Rao Participated, AICTE Faculty Development Program (FDP) on "Internet of Things: A Future Outlook in Civil Engineering"- Phase I from 02nd to 14th November 2020 organized by the Department of Civil Engineering, NSS College of Engineering, Palakkad sponsored by All India Council for Technical Education (AICTE). Felicitated as Best Teacher by Lion's Club of Kurnool Fort in September 2003.
2. Dr. Balendra Mouli has successfully participated & completed AICTE Training and Learning (ATAL) Academy Faculty Development Program on Emerging Trends in Photonics (ETP-2024) at RAJKIYA ENGINEERING COLLEGE SONBHADRA from 08/01/2024 to 13/01/2024.
3. Shaik Asif Ali has participated in the Three Days Faculty Development Program on "Emerging Trends in Geotechnical Engineering For Structural Applications" through an online mode organized by the Department of Structural Engineering, Sanjivani College of Engineering, Kopergaon, Maharashtra from 09th May to 11th May, 2024.
4. Dr. BND Narasinga Rao successfully completed the course The Science of Happiness and Wellbeing under NPTEL-AICTE Faculty Development Programme in October, 2023.
5. Dr. J Vikranth successfully completed the course Strength of materials under NPTEL-AICTE Faculty Development Programme in October, 2023.
6. Mrs. P.V.R. Sravya successfully completed the course Municipal Solid Waste Management under NPTEL-AICTE Faculty Development Programme in October, 2023.
7. Dr. P.V.R.K. Reddy successfully completed the course Strength of materials under NPTEL-AICTE Faculty Development Programme in October, 2023.
8. Mrs. P. Sumanjali successfully completed the course River Engineering under NPTEL-AICTE Faculty Development Programme in October, 2023.
9. Ms. J. Bharathi Radha successfully completed the course River Engineering under NPTEL-AICTE Faculty Development Programme in October, 2023.
10. Mr. P. Sai Kumar successfully completed the course Geosynthetics and Reinforced Soil Structures under NPTEL-AICTE Faculty Development Programme in October, 2023.
11. A one-day workshop on Overview of BIS & Standardization ecosystem in the country and Formulation of BIS standards for Civil, Electrical / Electronics, Mechanical, Metallurgy, Chemical / Food engineering products by Bureau of Indian Standards, Department of Consumer Affairs, Ministry of Consumer Affairs, Food & Public Distribution on 16-10-2023 at Andhra University. The following faculty members participated in the workshop.
 - a) PVR Sravya, Assistant Professor, Civil
 - b) Dr. M. Balendra Mouli, Assistant Professor, Civil
 - c) G. Sunil Kumar, Assistant Professor, Civil



Anil Neerukonda Institute of Technology and Sciences

Civil Engineering News

Newsletter published by Department of Civil Engineering



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Academic council nominee
3. Dr. H.B. Nagaraju,
Professor, Dept. of Civil Engg., B.M.S College of Engineering, Bangalore -
Academic council nominee
4. Mr. A. Madan Kumar,
Head of Engineering - Keller Engineering Pvt Ltd.- Industry Member
5. Mr. Shaik Khaja Mohiddeen,
AEE, Irrigation & CAD, Govt. of A.P., - ANITS Civil Alumni
6. Dr. J Vikranth, Assoc. Professor, Civil, ANITS, - Member
7. Mrs. P V R Sravya Asst. Professor, Civil, ANITS, - Member
8. Mr. K Suryanarayana Asst. Professor, Civil, ANITS, - Member
9. Mr. P.V.R.K Reddy, Asst. Professor, Civil, ANITS, - Member
10. Mrs. P. Sumanjali, Asst. Professor, Civil, ANITS, - Member
11. Dr. M. Balendra Mouli, Asst. Professor, Civil, ANITS, - Member
12. Ms. J. Bharathi Radha, Asst. Professor, Civil, ANITS, - Member
13. Mr. Sk. Asif Ali, Asst. Professor, Civil, ANITS, - Member
14. Dr. P.V.N Neelima, Asst. Professor, Civil, ANITS, - Member
15. Mr. P. Sai kumar, Asst. Professor, Civil, ANITS, - Member
16. Dr. B.N.D. Narasinga Rao, Professor & HoD, Civil, ANITS - Chairman