



MAHATMA GANDHI
INSTITUTE OF TECHNOLOGY (Autonomous)
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26
YEARS

DEPARTMENT OF CIVIL ENGINEERING

NEWS LETTER A.Y.2022-23



BUILDTECH

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About the Department :

The Civil Engineering Department offers UG program in Civil Engineering and a PG program in Computer Aided Structural Engineering. Department is bestowed with well equipped laboratories, highly qualified and dedicated faculty with rich experience, skilled and committed supporting staff. Department provides internships to the students in various companies in Public & Private sector organizations. Conducting seminars, workshops and conferences on the latest developments in the field of Civil Engineering is a regular feature in the department. We also offer consultancy in Structural designs, Laboratory tests on construction materials and Onsite investigations. We also invite Industry Institute partnership to exchange the latest developments in the field of Civil Engineering.



Vision of the Department :

To impart quality education to produce professionals with technical skills and values

Mission of the Department:

M1: To enhance quality of the program by creating environment suitable for innovative teaching and learning process

M2: To inculcate value of discipline and encourage students for attaining technical requisite skills for nation building

M3: To impart value added courses for enhancing of students competence.

Program Educational Objectives:

- 1: To provide better understanding of fundamentals of Mathematics and Civil Engineering.
- 2: To produce graduates with Multi-disciplinary knowledge for individual and professional development.
- 3: To produce graduates who would attain professional competence to fit themselves to Industry needs, pursue higher studies and recognize need for lifelong learning.
4. To inculcate qualities of working in teams with ethical values and social responsibilities

Program Specific Outcomes:

- 1: Acquire requisite Engineering knowledge for Planning, Analysis, Design and Project management of Civil Engineering structures adhering to codal ethics using modern tools.
- 2: Ability to recognize the need for creating sustainable infrastructure by working independently and in teams through the awareness of emerging problems.

NBA Visit :

- The Civil Engineering Department undergone NBA inspection during 25, 26 and 27 November 2022. The department was awarded NBA accreditation for 3 years (AY 2022-23 to 2024-25).

Memorandum of Understanding:

- An MoU was signed on 10 October, 2022 by Continental Designers, Hyderabad for providing internships and structural designs knowledge to students.
- An MoU was signed on 10 October, 2022 by Metey Engineering and Consultancy pvt. Ltd, Hyderabad for providing internships to the students.

Department Events Organized:

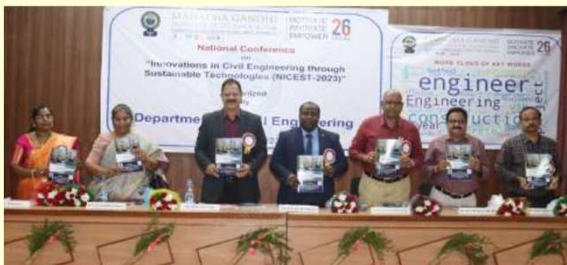
A Two Day workshop on “ Advanced Softwares in Civil Engineering (BIM-2023) “ conducted on 28-29 March, 2023

The department of Civil Engineering organized Two day workshop on “Advanced Softwares in Civil Engineering (BIM-2023) “ during 28-29 March, 2023 in Association with bimgrafX, Hyderabad. A total 40 students were actively participated and got exposure on Revit software on Building Modelling.



National Conference on “ Innovations in Civil Engineering through Sustainable Technologies (NICEST-23)” on 9-10 March, 2023

NICEST -23 organized by Department of Civil Engineering during 9-10 March, 2023. Total 25 papers were presented under various themes. The conference was conducted on hybrid mode.



“CINFRA 2023” 27 April, 2023

A National Level Student symposium “CINFRA 2023” organized by the department on 24 April, 2023. Various technical events Paper Presentation, Poster Presentation, CAD Builder, QuizIT etc. were conducted as a part of symposium. Students from different colleges across the state were participated and made the event a grand success.



Seminar on “Fundamentals of BIM” 27 April, 2023

A seminar was organized on “Fundamentals of BIM” on 27 April, 2023 for III & IV year students. The seminar gave exposure to REVIT software and BIM modelling. Mr.Naresh, bimgrafX presented the lecture.

Career Guidance Cell of the Department:

- A seminar was conducted on “ Scope of Engineering Graduates in Techno-Management Sector” to III & IV B.Tech Students by Dr. Indrasen Singh, Dean of Academic Affairs, NICMAR and Dr.V.Srihari, Professor&Dean, School of Energy & Clean Technologies on 13 March, 2023
- A Seminar was conducted on “ How to Crack GATE,IES, and PSUs in First Attempt” to III Sem B.Tech students by Mr. P.Ramesh, Motivational Speaker, ACE Engineering Academy on 30 November, 2022
- A Seminar on “Career Opportunities after B.Tech” to III year B.Tech Students by Mr. P.Ramesh, Motivational Speaker, ACE Engineering Academy on 29 November, 2022.
- A webinar was conducted on “Career Opportunities After B.Tech” to II & III year B.Tech Students by Mr.S.M.M. Trinath, GATE Trainer, ACE Engineering Academy on 14 July, 2022.

Site Visits:

Visit to Water Treatment Plant, Mission Bhagiratha, Grid Division, Vikarabad

B.Tech III Year Students of Civil Engineering Department were visited a Water Treatment Plant at Vikarabad as a part fo the curriculum. Students were exposed to various steps involved in water treatment plant and Mr.Kiran Kumar, DE have explained even minor details of the treatment plant functioning and other relevant information.



Visit to construction site of a multistoried building at Kokapet, Hyderabad

A field visit was organized for III B.Tech I Semester to Multistoried Building under construction located at Kokapet on 12 December, 2022. The project is constructed by Greenspace Housing & Engineers Pvt. Ltd. The visit was planned to fill the gap between the academics and industry. The students were exposed to detailing of reinforcement in various building RC elements.



Visit to “National Institute of Rural Development (NIRD)” , Rajendra Nagar, Hyd

A field visit is organized for III Sem B.Tech students to “National Institute of Rural Development (NIRD)” on 8 February, 2023 as part of Building Materials and Construction Practices subject. Here the students were exposed to different types of buildings of different parts of India, which were showcased in the NIRD institute. Also got exposure on various building materials and construction methods.



Students Achievements :

- Ms. Medishetty Srujana (18261A0179) received a University Gold Medal for securing highest marks for all four years together among all the affiliated colleges under JNTUH.
- Mr. M. Srujana (18261A0179) received a gold Medal for securing highest marks and best outgoing student from Civil for A.Y 2021-22 on the occasion of Annual day fest NIRVANA 2023 on 28 June, 2023.
- Mr. K. Vishnu Vardhan Reddy (21265A0103) received a Silver Medal for securing highest marks during II year Civil A.Y 2021-22 on the occasion of Annual day fest NIRVANA 2023 on 28 June, 2023.
- Ms. Shivani sharma (21261A0148) received a Medal for securing highest marks during I year A.Y 2021-22 on the occasion of Annual day fest NIRVANA 2023 on 28 June, 2023.
- Mr. V. Akash (21261A0152) received second prize in a painting competition on the occasion of Yuva Ustav India held at MGIT on 28 June 2023.
- Ms. Helen (22265A0102) received an award for securing First place in 100 m running and 200m running on the occasion of NIRVANA 2023 on 28 June, 2023.
- Ms. Shivani Shirma (21261A0148) received an appreciation for performing classical dance at JNTUH on the Eve of the Golden Jubilee Celebrations of JNTUH.
- Mr. Md Shoab ahmed (20261A0132) has won the first prize for Cad Building for CINFRA 2023 on the event of NIRVANA celebrations in MGIT



Placements & Higher Studies

- Total 21 students were placed during 2022-23 with a pay package of 2.16 -4.8 lakhs. 14 students were placed in core companies viz Mindtree, Sattva Group etc.
- 10 students were opted for higher education in premier institute like IITs, NITs and some foreign universities.

Faculty Publications:

- Mr.G.Srinivas, Prof .S.B.Sankar Rao, “Climate Action Goals Under Paris Agreement”, Science, Technology and Development, June,2023
- Mr.G.Srinivas, Prof .S.B.Sankar Rao, “Impact Studies of Backwater Submergency Affect in Parts of Telangana - A Case Study”, Gradiva Review Journal, June,2023
- Ramesh Adepu, V. Venkat Ramayya, A. Mamatha, V. Vinayaka Ram, “Fracture Studies on Basalt Fiber Reinforced Asphalt Mixtures With Reclaimed Asphalt Pavement Derived Aggregates and Warm Mix Additives”, Construction and Building Materials, May,2023
- Aditya Mantripragada, Ramesh Adepu, Venkat Ramayya Varanasi and Harinder Devavath, “Assessment and Prioritization of Highway Stretch Deploying Functional and Structural Characteristics”, Jordan Journal of Civil Engineering, March,2023
- S.Devender, Dr. K.V. Ramana Reddy, S.Jayaparakash Narayana, “Effect of Fibers on Compressive Behaviour of Geopolymer Concrete Under Repeated Loading”, Material Science and Technology, December,2022
- Elthuri Pavani, Polusani Sharada, “Seismic Performance of Diagrid, Hexagrid and Braced Structural Systems in Multistoried Buildings”, Material Science and Technology, December,2022
- Mohammed Akthar Hussain, Mrs. Ch.Sravanti, “Experimental Investigation on The Mechanical Behaviour of Nano Silica Fibre Reinforced High Strength Concrete Using Mineral Admixtures”, Material Science and Technology, December,2022
- Tejaswini Bojapally, Pitti G Guruvelu, “Analytical Study Of Steel Multi-Storied Building With Varying Diaphragm Positions”, Material Science and Technology, December,2022
- D.ritu, Bhagyalaxmi Sindagi, “Influence Of Fibers And Alccofine On Behaviour Of Self Compacting Concrete”, Material Science and Technology, December,2022
- M.Padmaja, R.Bhavani, “Chemically Modified Lignocellulosic Biochars From Vetiver Onto Adsorption Of Pb⁺² And Ni⁺²”, Advanced Engineering Science, November,2022
- 9 faculty members were presented papers in a National Conference on “Innovations in Civil Engineering through Sustainable Technologies (NICEST-23)” during 9-10 March, 2023.

Patents :

- Dr V Venkat Ramayya was granted a patent entitled "Measurement of viscosity of bituminous binders in rotational mode through indirect measurement of Torque" on 21st September 2022. Patent No 407252
- G.Srinivas has received patent rights on "Mathematical Modelling Approach to Quantifying Pressure Drop in Aviation Hydraulic Valve Fluid". The patent was filed on 16 March, 2023
- G Srinivas ,Sreeparvathy And K.Govind Goud has received patent rights on "Recommended methods for the use of Data from Accelerating pavement Inspection in Research on Autonomous vehicles configuration" . The patent was filed on 29 August, /2022 and Published on 09 September,/2023.

Consultancy:

- The department earned an amount of Rs. 20,060/- through consultancy by testing of samples using department laboratories.

Alumni Corner:

- Mr.B.Snehith and Mr.Dhanvanth Reddy Alumnus of 2017-21 batch has given a guest lecture on "Higher Education Opportunities Abroad and Personality Development on 27 June 2023.
- Mr. Rudra Reddy Alumnus of 2016-23 batch as presented a talk on "Entrepreneurship" on 28 March,2023



- REMINISCENCE-2023 an Alumni Annual meet was conducted on 8 January,2023. Around 25 Alumnus students have attended the meet and shared their experiences and thoughts.

