Vision
To be a nationally preferred department of learning for students and teachers alike, with dual commitment to research and serving students in an atmosphere of innovation and critical thinking.

Mission
To provide high-quality education in Civil Engineering to prepare the graduates for a rewarding career in Civil Engineering and related industries, in tune with evolving needs of the industry.

To prepare the students to become thinking professionals and good citizens who would apply their knowledge critically and innovatively to solve professional and social problems.

Highlights
- NBA accreted under Tier 1.
- Conducted 2 Guest Lecturers on Carrier Opportunities in Civil Engineering. (Page 4)
- Indian Green Building Council – Student Chapter Launch (Page 5)
- Workshop on 3DS Max (Page 5)
- Publications in National & International Journals. (Page 6)
- Achievements by students (Page 9)
Overview

The Department of Civil Engineering was established in 2002. It offers students a solid grounding in better utilization of resources and greater standardization of construction processes required by the construction industry. Students are taught how to use and employ innovative design methods and techniques. Exposure to contemporary facets planning, construction design and project management are key aspects of the course. Annual intake of this Department is 120 students.

Program Outcomes

The Bachelor of Technology program aims to produce students that at the time of graduation will be able to:

- Apply the knowledge of basic sciences and fundamental engineering concepts in solving engineering problems.
- Identify and define engineering problems, conduct experiments and investigate to analyze and interpret data to arrive at substantial conclusions.
- Propose appropriate solutions for engineering problems complying with functional constraints such as economic, environmental, societal, ethical, safety and sustainability.
- Perform investigations, design and conduct experiments, analyze and interpret the results to provide valid conclusions.
- Select/develop and apply appropriate techniques and IT tools for the design & analysis of the systems.
- Give reasoning and assess societal, health, legal and cultural issues with competency in professional engineering practice.
- Demonstrate professional skills and contextual reasoning to assess environmental/societal issues for sustainable development.
- Demonstrate Knowledge of professional and ethical practices.
- Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary situations.
- Communicate effectively among engineering community, being able to comprehend and write effectively reports, presentation and give / receive clears instructions.
- Demonstrate and apply engineering & management principles in their own / team projects in multidisciplinary environment.
Program Educational Objectives

- Engage in ongoing learning and professional development through self-study, continuing education in civil engineering and in other allied fields.
- Apply engineering skills, critical thinking and problem-solving skills in engineering practices or tackle social, technical and business challenges.
- Demonstrate professional excellence, ethics, soft skills and leadership qualities

Facilities and Infrastructure

- Engineering Geology Lab
- Environmental Engineering Lab
- Surveying Field work Lab
- Geo-Technical Engineering Lab
- Concrete & Highway Engineering Lab
- Computer Aided Analysis and Design Lab
- Strength of Materials Lab
- Fluid Mechanics & Hydraulic Machinery Lab

Major Courses Offered

- Materials of Construction & Management
- Concrete Technology & Design of Concrete Structures
- Structural Analysis
- Design of Steel Structures & Pre-stressed Concrete Structures
- Environmental Engineering
- Soil Mechanics & Foundation Engineering
- Hydraulics & Water Resources Engineering
- Surveying
- Transportation Engineering
- Building Planning, Design & Drawing
- Computer Aided Analysis & Design
- Environmental Impact Assessment and Management
- Advanced Structural Engineering
- Pavement Analysis & Design
1. A Guest lecture conducted on “Carrier Opportunities in Civil Engineering” on 09.08.2018 for III Year & IV Year Students by P RAJ KUMAR, QA/QC Engineer 202C – Maradipur, Kanpur.

Description - Civil engineers create, improve and protect the environment in which we live. They plan, design and oversee construction and maintenance of building structures and infrastructure, such as roads, railways, airports, bridges, harbours, dams, irrigation projects, power plants, and water and sewerage systems. They also design and build tall buildings and large structures that can withstand all weather conditions.

Project Highlights

- Private & Government Contracts

Nearly One Lakh rupees worth of testing’s were carried out during the year 2017-18 for government agencies and private companies.
Professional Activities

1. A Guest lecture conducted on “Trend of Green Buildings” on 18.09.2018 for II, III Year & IV Year Students by Mr. K. Leela Prasad and Mr. V. Sundeep Kumar, Visakhapatnam Chapter – IGBC, Visakhapatnam.

Description - The Green Building movement in India was triggered off when CII-Sohrabji Godrej Green Business Centre building in Hyderabad was awarded with the first and the prestigious Platinum rated green building rating in India. Since then, Green Building movement in India has gained tremendous impetus over the years.

Workshops

Description - Conducted on 28th, 29th, 30th Sep’18. Autodesk’s 3DS Max is commonly utilized by civil engineers and architects for a 3D perception of their designs. In spite of the fact that you will utilize AUTOCAD software for drawing purposes, you can import them into 3DS Max for rendering photorealistic representation. In spite of the fact that you can get fine renders out of CAD software, 3D Max can give the control you require in your render settings. The majority of the architects and designers utilize CAD software and BIM tools for modelling purposes and incline toward 3DS Max for rendering purposes.
Academic Achievements

Journal Publications (Faculty related)

National & International

August 2018


♦ Dr.A.Vijay Kumar, Professor Published a paper an International Journal Title “Replacement of Fine Aggregate with Foundry Sand”, International Journal of Academic Engineering Research (IJAER) ISSN: 2000-001X Vol. 2 Issue 8, August – 2018, Pages: 59-63

♦ Dr.J.Venkateswara Rao, Professor , Mr B Ram Kumar, Assistant Professor, Published a paper an International Journal Title “Personal Rapid Transit: A Review”, International Journal of Academic Engineering Research (IJAER) ISSN: 2000-001X Vol. 2 Issue 8, August– 2018, Pages: 41-45


♦ Mr. M T S Lakshmayya, Assistant Professor published a paper an International Journal Title “Chemical Analysis on Brick Soil – An Experimental Study”, International Journal of Academic Engineering Research (IJAER) ISSN: 2000-001X Vol. 2 Issue 8, August – 2018, Pages: 54-58
September’2018

- S. Aishwariya, "Strategies And Considerations For Construction Of Immersed Tunnel In India (India Gate-Elephant Caves)-A 12km Immersed Tunnel", International Journal of Research and Analytical Reviews (IJRAR), Volume No.5, Issue No.4, pp.392-398, October 2018. (ISSN No: 2348-1269)

October’2018

- Dr.A.Vijay Kumar, Professor Published a paper an International Journal Title “Replacement of Fine Aggregate with Foundry Sand”, International Journal of Academic Engineering Research (IJAER) ISSN: 2000-001X Vol. 2 Issue 8, August – 2018, Pages: 59-63
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August’2018

♦ Dr. A. Vijay Kumar, Professor attended a National Conference title “Replacement of Fine Aggregate with Foundry Sand”. In RTGR-2018, GMR Institute of Technology, Dated 24.08.2018
♦ Dr. J. Venkateswara Rao, Professor, Mr. B Ram Kumar, Assistant Professor, Attended a National Conference paper title “Personal Rapid Transit: A Review”, In RTGR-2018, GMR Institute of Technology, Dated 24.08.2018
♦ Ms. S. Aishwariya, Assistant Professor Attended a National Conference paper title “Integrated Multimodal Transportation System - A Case Study in Trivandrum”, In RTGR-2018, GMR Institute of Technology, Dated 24.08.2018
♦ Mr. Bimalendu Dash, Mr. B P R V S Priyatham, Assistant Professor Attended a National Conference paper title “Self-Healing Concrete: A Review”, In RTGR-2018, GMR Institute of Technology, Dated 24.08.2018
♦ Mr. S. S. G. Prasad, Ms. K S S Padma, Assistant Professor Attended a National Conference paper title “Soil Stabilization Using Crumb Rubber and Cement”, In RTGR-2018, GMR Institute of Technology, Dated 24.08.2018
♦ Ms. S. Aishwariya, Ms. K S S Padma, Assistant Professor Attended a National Conference paper title “A Case Study On Road Safety From Salem To Namakkal On NH-7”, In RTGR-2018, GMR Institute of Technology, Dated 24.08.2018
♦ Mr. M T S Lakshmamya, Assistant Professor Attended a National Conference paper title “Chemical Analysis on Brick Soil – An Experimental Study”, In RTGR-2018, GMR Institute of Technology, Dated 24.08.2018
Journal Publications/Presentations (Student related)

National & International

October’2018


◆ K. Himabindu, N Hari Priya, Presented a paper on the topic “Modern Civil Engineering Aspects of Lidar”, conducted during Technozion-2018 at National Institute of Technology, Warangal during 28\textsuperscript{th}-30\textsuperscript{th} September 2018.

◆ Appla Nadiu, P.Bharani Bhardawaj, P.Tarun, Presented paper on topic ”Permeable pavement-A novel Choice to control Runoff” conducted during Technozion-2018 at National Institute of Technology, Warangal during 28\textsuperscript{th}-30\textsuperscript{th} September 2018.

◆ R.Praveen, N.Sushmitha, P.reshma, Presented paper on topic ”Use of Crumb Rubber in Concrete Sleepers” conducted during Technozion-2018 at National Institute of Technology, Warangal during 28\textsuperscript{th}-30\textsuperscript{th} September 2018.

◆ R.Sai Krishna, R. Niharika, V.Sai Dharani, Presented paper on topic ”Intelligence Speed Bumps- Speed aligning devices” conducted during Technozion-2018 at National Institute of Technology, Warangal during 28\textsuperscript{th}-30\textsuperscript{th} September 2018.

◆ B Dileep Kumar, Presented paper on topic ”Properties of Ballast Fibre Reinforced Self Compacted Concrete Made of Recycled Aggregates” conducted during Technozion-2018 at National Institute of Technology, Warangal during 28\textsuperscript{th}-30\textsuperscript{th} September 2018.

◆ K. Gana Nithin Sannath, Presented paper on topic ” Internet of Things” during Technozion-2018 at National Institute of Technology, Warangal conducted during 28\textsuperscript{th}-30\textsuperscript{th} September 2018.

Achievements & Awards

◆ K. Himabindu (16341a0145), N Hari priya(1634A0164) achieved Third position in Paper Presentation on “Modern Civil Engineering Aspects of Lidar” conducted during Technozion-2018 at National Institute of Technology, Warangal during 28\textsuperscript{th}-30\textsuperscript{th} September 2018.
New Recruits

Ms. M. Chandini, Asst. Prof., Department of Civil Engineering, Joined in GMRIT on 30th May’18.

Mr. Jyothi Prakash Giri, Asst. Prof., Department of Civil Engineering, Joined in GMRIT on 1st June’18.

Mr. K. Rajendra Babu, Asst. Prof., Department of Civil Engineering, Joined in GMRIT on 11th June’18.

Mr. B.A.V. Ram Kumar, Asst. Prof., Department of Civil Engineering, Joined in GMRIT on 11th June’18.

Mr. G. Yaswanth Raju, Asst. Prof., Department of Civil Engineering, Joined in GMRIT on 1st Aug’18.

Mr. R. Gokulan, Asst. Prof., Department of Civil Engineering, Joined in GMRIT on 22nd Oct’18.

Dr. G. Ganesh Prabhu, Prof., Department of Civil Engineering, Joined in GMRIT on 24th Oct’18.