



JNTUH University College of Engineering, Science & Technology, Hyderabad

DEPARTMENT OF CIVIL ENGINEERING

NEWSLETTER



2022-2023



Administrative Building

From the Principal's Desk: Dr. A. Jaya Laxmi



Today, engineering education faces new challenges because of the expansion of global market and rapid social and technological evolutions. Practicing Engineers defined quality as distinction of purpose, effectiveness in achieving institutional goals, meeting students' needs and degree to which education prepares students to be personally effective within the circumstances of their life and career. The quality of engineering education can be maintained by adopting internationally accepted standards in students' intake, syllabus, designing course structure and curriculum, infrastructural facilities, staff appointments, pedagogy, testing & evaluation, research and development.

JNTUH college of Engineering Hyderabad offers various programmes to provide high quality academic training. We feel proud to say that JNTUHCEH campus is ragging-free campus. We encourage our students to participate in sports and games activities held at both on-campus as well as off-campus. The excellent results of students in academics, higher studies,

competitive exams and outstanding placements bear testimony to the kind of student's we intake and the quality education we offer at JNTUH College of Engineering Hyderabad.

It is fulfilling to see yet another academic year flagged off with the orientation program for freshers held at both UG and PG levels .We try to instill in students a sense of courage and conviction to face the challenges ahead. I am confident that the same zeal and spirit among the staff and students will sustain in our future endeavors also.

From the Vice-Principal's Desk: Dr. G. V. Narasimha Reddy



JNTUH College of Engineering Hyderabad has been rendering yeoman service in the field of Technical Education and our college is the most coveted Autonomous Engineering College in Telangana State and every student aspires to be a part of the Institute. Keeping in view the growth in technical education, our College has been continually organizing a number of Conferences, Seminars and Workshops in various disciplines. The members of the faculty are encouraged to pursue research activities and attend training programmes to keep themselves abreast of the rising technological advancement. TEQIP (Technical Education Quality Improvement Programme) - III plays a key role in sponsoring and supporting many programmes. I am sure that these programmes provide an intellectual platform to our faculty and outside participants to express, share and learn the new techniques in teaching-learning process.

All the programmes offered by JNTUH CEH follow the Choice Based Credit System (CBCS) with Outcome Based Approach (OBA). The curriculum of all courses has been designed to meet the international standards with industry-specific goals. The move towards interdisciplinary studies and collaborative learning through innovative pedagogy has opened up several opportunities. In addition, it not only provided a platform for qualitative learning but also created avenues for multiple challenges. Thus, the responsibility lies with us to nurture competent professionals with the technological expertise. I am confident that we are adequately trained and fully equipped to handle this challenge and surely be successful in all our endeavours.

Message from Head of the Department: Dr. B. Dean Kumar



I am happy to bring out the Newsletter of the department of this academic year. The students have excelled both in academics and sports. The department has conducted seminar in partnership with the industry. This year M/s SHREE TMT has sponsored scholarship to fourteen students for their academic performance.



Department of Civil Engineering

The Department of Civil Engineering is one of the departments available from the inception of the college in 1965. The Department has qualified and experienced staff and well equipped laboratories with basic equipment required for undergraduate courses and modern equipment to meet the postgraduate and research requirements. The Department is very active in academic, research and consultancy Programmes. It receives grants from various agencies like MHRD, DST, UGC and AICTE. The Department has very sophisticated test facilities such as Soil Dynamic testing, Reaction Bed for cyclic/dynamic loading of structures. Test Tanks are available for testing of model foundations with a facility to alter water table position. The Department has established the centre for Geo- Environmental Engineering in 1999 as the first research centre in the College. The Department has its own computer laboratory to meet the requirements of undergraduate, post graduate and research students with latest softwares in different fields. The Department has all modern facilities including well furnished seminar hall and department Library.

Vision of the Department

The Department of Civil Engineering is committed to raise the intellectual tone of the young students in understanding and incorporating emerging technologies with an objective of enhancing their competence by applying their proficiency and skill for infrastructure and economic development of the society.

Mission of the Department

1. To strengthen the teaching tools in order to orient students to acquire necessary skills to perform in the field or to handle industrial projects.
2. To enhance students into knowledgeable, responsible professionals, successful practitioners and lifelong learners in emerging fields for the betterment of society.
3. To improve the quality of technological education through training, consultancy, research, and innovation.
4. To identify, evaluate and implement scientifically proven technological solutions.

Programs Offered:

1. B.Tech in Civil Engineering (Regular)
2. Five Year Integrated B.Tech + M.Tech in Structural Engineering
3. M.Tech in Structural Engineering (Regular)
4. M.Tech in Geotechnical Engineering (Regular)
5. M.Tech in Transportation Engineering (Regular)
6. Ph.D. in Civil Engineering (Regular & External)

B.Tech Program Educational Objectives

PEO 1	To provide students with a solid foundation in mathematical, scientific and engineering fundamentals required to solve engineering problems and to pursue and to enroll in advanced studies
PEO 2	To impart basic technical knowledge and skills in Civil Engineering and related fields to cater to the emerging technological needs of society.
PEO 3	To perceive the technical knowhow, adaptability and innovation in their work so as to pursue lifelong learning, and to be leaders, both in their chosen profession and in other activities.
PEO 4	To provide expertise in carrying out Civil Engineering projects by using state-of-art of computing and experimental techniques to develop interdisciplinary approach.
PEO 5	To train the student to possess good communication and presentation skills with ability to work in teams and contributing significantly to the technological development of the Nation.

Program Specific Outcomes

1. Understand the basics of science, behavioural mechanics and engineering materials required for Engineering systems.
2. Survey, explore, analyse, formulate, design and manage complete Civil Engineering systems by incorporating socio-cultural and environmental needs.
3. Develop social skills required for multidisciplinary and collaborative works.
4. Train professionally to understand the ongoing field problems and their solutions.

Teaching staff name list

S.No	Name	Designation
1	Dr. G. K. Viswanadh	Professor & Director UGC
2	Dr. K. M. Lakshmana Rao	Professor
3	Dr.K.Manjula Vani	Professor
4	Dr. P. Sravana	Professor
5	Dr. S. Srinivasulu	Professor
6	Dr.V.Venkateswara Reddy	Professor, Director-BICS & Chief Engineer
7	Dr. B. Dean Kumar	Professor & Head
8	Dr. Maganti Janardhan Yadav	Professor & Project Engineer (Civil)
9	Dr. G. V. Narasimha Reddy	Professor & Vice Principal
10	Dr.V.Padmavathi	Professor
11	Dr. S. Vidyavathi	Professor
12	Dr.B. Siva Konda Reddy	Professor
13	Dr. P. Srilakshmi	Associate Professor & Dy Director BICS
14	Dr. N.Darga Kumar	Associate Professor
15	Dr. B. Sunitha	Assistant Professor &
16	Mr.S.Subhash Babu	Professor of Emeritus
17	Mrs. J.Divya	Assistant Professor (c)
18	Mrs.B.Ashritha	Assistant Professor (c)
19	Mr. K.Ashok	Assistant Professor (c)

Non-Teaching name list

S.No.	Name	Designation
1	K. Devaraju	Draughtsman (Civil)
2	Mr.A.Sudheer Kumar	Technical Assistant GR-I
3	D. Srinivasa Reddy	Technical Assistant GR-I
4	P.Venkatesh	Sr.Instructor
5	K. Nagaraju	Jr. Instructor

Supporting staff

S.No.	Name	Designation
1.	P. Satish kumar	Data Processing Officer
2.	M.Narayana Rao	Network Admin
3.	B. Tripura Sundari	Record Assistant
4.	C. Ramnath Reddy	Helper
5.	Y. Mallesh	Helper
6.	P. Ram Prasad	Helper
7.	Md. Amjad	Helper
8.	Mr.M.Anil Kumar	Helper
9.	K. Raja	Helper
10.	B.Upendra	Helper
11.	Ramu	Helper
12.	A.Anil Kumar	Helper
13.	Bheem Reddy	Helper
14.	Y.Seshamani	Helper
15.	Narender	Helper
16.	Nagabhushanam	Helper

List of Laboratories

1. Strength of Materials Laboratory
2. Highway Materials Laboratory
3. Concrete Laboratory
4. Transportation Engineering Laboratory
5. Advanced Geotech Laboratory
6. Advanced Structural laboratory
7. Structural Analysis Laboratory
8. Geotechnical Engineering Laboratory
9. Rock Mechanics Laboratory
10. Environmental Engineering Laboratory
11. Surveying Laboratory
12. Fluid Mechanics and Hydraulics Laboratory
13. Computer Laboratory
14. Geology Laboratory



Advanced Structural Engineering Laboratory



Advanced Structural Engineering Laboratory

Advanced Geotechnical Engineering Laboratory



Transportation Engineering
Laboratory



Advanced Geotechnical Engineering
Laboratory



Advanced Geotechnical
Engineering Laboratory



Surveying Laboratory

Journal / Conference publications

1. Y.Naveen Kumar, B.Dean Kumar and B.L.P Swami, Mechanical Properties of Geopolymer Concrete Reinforced with steel and Glass Fibers with Various Admixtures, Materials Today, Vol No.Volume 52, pp.632-641, Elsevier, 2022.
2. S.Vijay Kumar, B.Dean Kumar and B.L.P Swami, Mathematical Model for the Impact Strength of Triple Blended Steel Fiber Self-Compacting Concrete Based on the Experimental Study, Materials Today, ISBN No.Volume 60, Vol No.60, pp.576-581, 2022.

Details of Conferences / Seminars / Workshops/ Refresher Courses/ Orientation Courses / FDPs Organized and attended by the Faculty:

1. A two day hands – on workshop was conducted on “ **PRE ENGINEERED BUILDINGS** ” on 24th & 25th April 2023 in association with M/s Kirby Building Systems and Structures India Pvt. Ltd.
2. Dr. N. Darga Kumar , faculty, has served as Convener for the One Day National Conference on Mining Sciences -2022 on the theme of “Emerging Trends in Mining Industry and Engineering”, held on 07-07- 2022, organized by the Department of Mining Engineering, JNTUH University College of Engineering Manthani, Peddapalli Dist., Telangana.
3. A one day workshop on Climate change was organised on 28th September 2022 by Institute of Science and Technology & Department of Civil Engineering, JNTUH in association with Bronx Community College/CUNY US-India Climate Collaborative (CICC) Programme.
4. Dr. N. Darga Kumar , faculty, attended a 3 day “ 27th International Conference HYDRO-2022 ” on “ Hydraulics, Water Resources, Environmental and Coastal Engineering ” held during 22-24 Dec 2022, organised by the Department of Civil Engineering, Punjab Engineering College, Chandigarh with the association of the Indian Society for Hydraulics, Pune.
5. **Dr G.K.Vishwanadh, faculty, has conducted / organised the following Conferences/ Seminars**
 - a) NEP-2020 Implementation Plan: Promotion of Indian Knowledge Systems on 26 Nov. 2022
 - b) NEP-2020 Implementation Plan: Changing Role of Teachers on 6 Sept 2022

- c) NEP-2020 Implementation Plan: Technology Use and Integration on 3 Sept. 2022
- d) NEP-2020 Implementation Plan: Equity and Inclusion on 2 July 2022
- e) NEP-2020 Implementation Plan: Academic Research Integrity in the Context of NEP-2020 on 30 June 2022
- f) NEP-2020 Implementation Plan: Multiple Entry and Exit System on 29 June 2022
- g) NEP-2020 Implementation Plan: Outcome Based Education and Academic Bank of credits on 26 June 2022
- h) NEP-2020 Implementation Plan: Multidisciplinary and Holistic Education on 18 June 2022
- i) UGC Sponsored online Short Term Course on “ E-Content Development and Online Pedagogy ” on 31 Oct to 5 Nov 2022.

Expert Talks/Guest Lectures Organized for UG/PG Students by the Department:

1. Dr. G.K.Vishwanadh, faculty , has delivered an invited lecture on “Latest Developments in Technology and their use for Educational Purposes” during the UGC sponsored Online Faculty Induction Programme-10 organized by UGC-HRDC, JNTUH, Hyderabad on 01-09-2022.
2. Dr. G.K.Vishwanadh, faculty , has delivered an invited lecture on “Evolution of Higher Education Sector in India” during the UGC sponsored Online Faculty Induction Programme-10 organized by UGC-HRDC, JNTUH, Hyderabad on 22-08-2022
3. Dr. G.K.Vishwanadh, faculty, has delivered an invited lecture on “Introduction and Overview of the Faculty induction Programme” during the UGC sponsored Online Faculty Induction Programme-10 organized by UGC-HRDC, JNTUH, Hyderabad on 22-08-2022.
4. Dr Darga Kumar.N., faculty, has delivered an expert lecture on “Foundation Types & Geotechnical Considerations in Foundation Design” in a 3 Week Induction Training Program conducted for Technical Managers of Madhya Pradesh State Building Development Corporation (MPBDC), held during 13th June to 3rd July, 2022 organized by the National Academy of Construction (NAC), Hyderabad, TS.
5. Dr Darga Kumar.N., faculty, as resource person delivered a lecture on “How to Develop Research in Institutions of Higher Education 5-Day FDP on “Enhancing Research Eco-System in the Campus”, organized by the R & D Cell, Malla Reddy Engineering College, Hyderabad, 22-26 Aug’2022.
6. Dr Darga Kumar.N., faculty, has delivered an expert lecture on “Soil Investigation-Classification of Soils and Site Selection of Bridges” in a 5 Day In House Basic Program

- on “Planning, Design and Construction of Minor Bridges and Culverts, organized by the Engineering Staff College of India (ESCI), Hyderabad, TS, during 22-26 Aug 2022.
7. Dr Darga Kumar.N., faculty, has delivered an expert lecture on “Advancements in Foundation Practices for River and Ocean Structures” in a 3 Day Professional Development Program for Faculty on “Advanced Applications of Geological and Geotechnical Aspects in Civil Engineering”, held during 15-17 Sept 2022, Dept. of Civil Engineering, Vignan Institute of Technology and Science, Hyderabad, TS.
 8. Dr Darga Kumar.N., faculty, has delivered a Guest Lecture on “National Education Policy 2020 - An Overview”, on the occasion of National Education Day, organized by the Institutions Innovation Cell and Department of Civil Engineering on 11-11-2022 at Matrusri Engineering College, Hyderabad, Telangana.
 9. Dr Darga Kumar.N., faculty, has delivered an expert lecture on “Slope Stability Challenges & Stabilization Techniques” in a Continuing Professional Development Programme on “Design & Monitoring of Bench & Dump Slopes for Stability in Mining & Civil Engineering Projects”, held during 28-30 November 2022 at Engineering Staff College of India, Hyderabad.
 10. Dr Darga Kumar.N., faculty, has delivered an expert lecture on “Geotechnical Characteristics and Slope Stability Analysis Methods” in a Continuing Professional Development Programme on “Design & Monitoring of Bench & Dump Slopes for Stability in Mining & Civil Engineering Projects”, held during 28-30 November 2022 at Engineering Staff College of India, Hyderabad.
 11. Dr Darga Kumar.N., faculty, has delivered an expert lecture on “Milestones in Soil Investigation and Site Selection of Long Span Bridges” in an Advanced Programme on “Planning, Design & Construction of Long Span Bridges”, held during 5-7 Dec’2022 and organized by the Engineering Staff College of India (ESCI), Sponsored by NRIDA, Government of India, New Delhi.
 12. Dr. G.K.Vishwanadh, faculty, has delivered an invited lecture on “Evolution of Higher Education Sector in India” during the UGC sponsored Online “Faculty Induction Programme-11” organized by UGC-HRDC, JNTUH, Hyderabad on 21-11-2022
 13. Dr. G.K.Vishwanadh, faculty, has delivered an invited lecture on “Introduction and Overview of the Faculty induction Programme” during the UGC sponsored Online Faculty Induction Programme-11 organized by UGC-HRDC, JNTUH, Hyderabad on 21-11-2022.

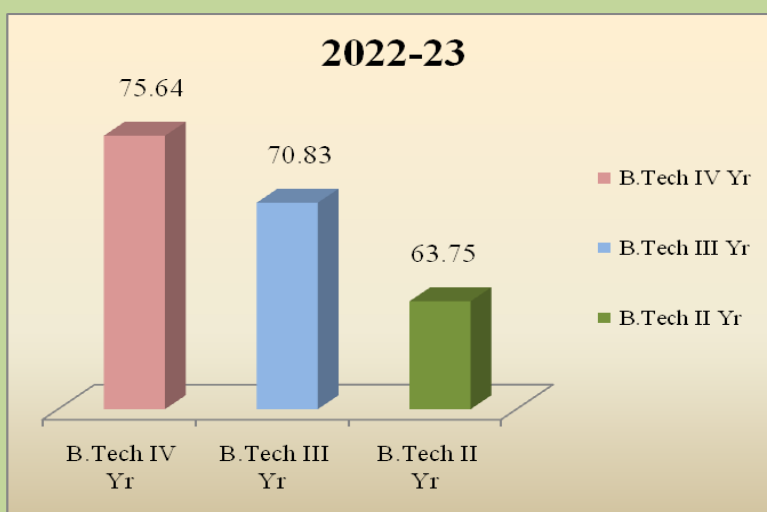
Ph.d guided & awarded

S.No	Student Name	Guide Name	Title	Year
1	S.Vijaya Kumar	Dr. B. Dean Kumar	Experimental Studies on the Strength and Durability Properties of Triple Blended Fibrous Self Compacting Concrete	2022
2	Mr.Hossein Khazaei	Dr. P. Sravana	Experimental investigation on strength and durability of cement concrete pavement by using Nanomaterials.	2023
3	Mr. K. Ashok	Dr. G. K. Viswanadh	Urban Flood Forecasting and Management using GIS	2023

List of Toppers:

Year	Roll No	Name	CGPA
II	22015A0101	M. Hemanth	9.2
III	20011A0115	G. Veda Harshini	8.9
IV	20015A0103	K. Meenamrutha	9.4

Result Analysis:



Training and Placement Details of B.Tech. Students

S.No	Name	Company
1	D. Sandeep	Orient Cement
2	Ch. Raghu	L & T
3	Ch. Charishma	L & T
4	G. Sumathi	L & T
5	R. Sanjitha	L & T

Sports Details of Students:

Name Of The Player	Class& Branch	Game/Event	Hosting University
Gade Saivivek	B -Tech(V/V) Civil+Idp	Basket Ball	Srmist University, Chennai.
D Lokesh	B -Tech (Iv/V) Civil+Idp	Kho-Kho	Jawaharlal Nehru Technological University, Kakinada.
Sombhatla Kamala Sreeja	B-Tech (Iv/Iv) Civil	Archery	Guru Kashi University, Bathinda, Punjab
Pedapolu Chandrika	B-Tech (I/Iv) Civil	Yoga	Kalinga Institute Of Industrial Technology, Bhubaneswar

ICS Works: The following are some of the consultancy works taken up by the department with various organizations. The total revenue generated by the department in 2022-23 is about Rs. 395 Lakhs.

S.No	Name of the Work	Name of the Organisation	Amount Rs (in Lakhs)
1.	Inspection of Ropeway at Srisilam	A.P.Tourism (Sri Sailam Ropeway work)	1.75
2.	Concrete Mix Design	Various agencies like R & B Department, Irrigation Department, Singareni Collieries, Various other Government and Private Organizations.	130.00
3.	Proof checking	GHMC, HMDA, My Home Constructions and Various other Government and Private Organizations.	255.00
4.	Structural Stability	GHMC, Director, National Institute of Toursim and Hospitality Management, Gachibowli, Hyderabad.and other Private Organizations	0.32
5.	Soil Investigation Work	BMR Infra Developers, Hitech City, Hyderabad	0.98
6.	Soil Testing/Rock Sample Testing	Irrigation & CAD Dept. Nalgonda, Dindi	1.03
7.	Soil Investigation work	Namshree Projects, Secunderabad	1.74
8.	Soil Testing	Right Constructions	0.74
9.	Slope Stability Check	TSGENCO, Vidyut Soudha ,Hyderabad	1.29

PHOTO GALLERY



Model presented in STHAPATYA 2023 held on 26& 27th April 2023



T News paper clipping of the events held during STHAPATYA 2023 published on 27th April 2023



Photograph of the Students who received scholarship from M/s DEVA SHREE ISPAT PVT LTD (TMT) in December 2022



Photograph showing the model presentation by students at AAKAAR, Civil Engineering Technical Festival held at IIT Bombay on 18th March 2023



Photograph of the visit by Dr S.S.Mantha, Former Chairman of AICTE, and Dr K.Narasimha Reddy, VC, JNTUH, Hyderabad on 27th April 2023



Dr.S.S.Mantha, Former Chairman of AICTE and Dr K.Narasimha Reddy, VC, JNTUH, Hyderabad discussing about the model presentation on 27th April 2023



Certificate distribution to the participants of workshop on PRE ENGINEERED BUILDINGS by Dr G.V.Padamaja, Asst.Vice President of M/s KIRBY Building Systems and Structures India Pvt.Ltd.



Model of the Pre-Engineered Building being viewed by Dr M.Manzoor Hussain, Registrar, JNTUH on 26th April 2023



Dr K.Narasimha Reddy, VC, JNTUH, Hyderabad inaugurating the workshop on Pre-Engineered Buildings on 27th April 2023

<p>TECHNICAL COMMITTEE</p> <p>Dr.G.K.Viswanadh Dr.K.M.Lakshmana Rao Dr.K.Manjula Vani Dr.P.Sravana Dr.S.Srinivasulu Dr.V.Venkateswara Reddy Dr.V.Padmavathi Dr.S.Vidyavathi Dr.B.Siva Konda Reddy Dr.P.Srilakshmi Dr.B.Sunitha Dr.N.Darga Kumar Mr.S.Subhas Babu Mrs.J.Divya Mrs.B.Ashritha Mr.K.Ashok</p>	<p>ORGANISING COMMITTEE</p> <p>Prof.Katta Narsimha Reddy Vice-Chancellor, JNTUH</p> <p>Dr.A.Govardhan Rector, JNTUH</p> <p>Dr.M.Manzoor Hussain Registrar,JNTUH</p> <p>Dr.A.Jaya Laxmi Principal, JNTUHUCESTH</p> <p>Dr.G.V.Narasimha Reddy Vice-Principal, JNTUHUCESTH</p> <p>Dr.B.Dean Kumar Head of the Department</p> <p>Dr.Maganti Janardhan Yadav Convenor, STHAPATYA 2023</p> <p>STUDENT COORDINATORS...</p> <p>V.Lokeshwar - 7032669049 N.Madhusudhan Rao - 8688006362 CH.Lohith - 8688378301 K.Rohith Kumar - 9966802431 Y.Sathyavardhan Reddy - 7569151294 sthapatya2k23@gmail.com</p>	 <p>STHAPATYA 2023</p> <p>A NATIONAL LEVEL TECHNICAL SYMPOSIUM</p> <p>Organised by</p> <p>JNTUHUCESTH CIVIL ENGINEERING ASSOCIATION DEPARTMENT OF CIVIL ENGINEERING</p>  <p>26th & 27th APRIL 2023</p> <p>JNTU Hyderabad, Kukatpally-500085</p>
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Brochure of the STHAPATYA 2023



ICS Work : Site inspection of Nala at Dhoolpet, Hyderabad by the faculty of the Department on 14th Nov. 2022



ICS Work : Load testing setup arranged for High level bridge at Bhimavaram