



JNTUH College of Engineering Hyderabad

DEPARTMENT OF CIVIL ENGINEERING

NEWSLETTER



2020-2021

From the Principal's Desk: Dr. B. N. Bhandari



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 students intake we 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. N. Srinivas



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- 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



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 MHRD, DST, UGC and AICTE. The Department has very sophisticated test facilities such as Soil DYrJamic 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 has its own computer laboratory to meet the requirements of undergraduate, post graduate and research students. The Department has its own Seminar Hall and Library.

Vision: 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:

To strengthen the teaching tools in order to orient students to acquire necessary skills to perform in the field or to handle industrial projects.

To enhance students into knowledgeable, responsible professionals, successful practitioners and lifelong learners in emerging fields for the betterment of society.

To improve the quality of technological education through training, consultancy, research, and innovation.

To identify, evaluate and implement scientifically proven technological solutions.

- 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.

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.

Train professionally to understand the ongoing field problems and their solutions.

TEACHING STAFF NAME LIST 2020- 2021

S.No	Name	Designation
1	Dr.E.Sai Baba Reddy	Professor & Principal JNTUHCEH
2	Dr.K.Rama Mohana Rao	Professor
3	Dr.P.Srinivasa Rao	Professor
4	Dr. K. M. Lakshmana Rao	Professor
5	Dr.K.Manjula Vani	Professor
6	Dr.E.C.Nirmala Peter	Professor
7	Dr. P. Sravana	Professor
8	Dr. S. Srinivasulu	Professor
9	Dr. B. Dean Kumar	Professor & Director BICS and Chief Engineer
10	Dr. G. V. Narasimha Reddy	Professor
11	Dr.V.Padmavathi	Professor
12	Dr. S. Vidyavathi	Professor

13	Dr. P. Srilakshmi	Associate Professor
14	Dr. M.Padmavathi	Assistant Professor
15	Dr.B. Siva Konda Reddy	Assistant Professor
16	Dr. B. Sunitha	Assistant Professor
17	Ms.B.Meena	Assistant Professor (c)
18	Mrs. J.Divya	Assistant Professor (c)
19	Mrs.B.Ashritha	Assistant Professor (c)
20	Mr. K.Ashok	Assistant Professor (c)

NON-TEACHING NAME LIST

S.no.	Name	Designation
1	K. Devaraju	Draughtsman (Civil)
2	D. Srinivasa Reddy	Technical Assistant GR-I
3	Mr.B.Narsing	Sr.Instructor
4	P.Venkatesh	Sr.Instructor
5	K. Nagaraju	Jr. Instructor
6.	Mr.G.Rama Narayana	Record Assistant

SUPPORTING STAFF

S.no.	Name	Designation
1.	Mr.G.Ravi Kumar	Computer Programmer
2.	Mrs.M.Shirisha	Record Assistant
3.	B. Tripura Sundari	Record Assistant
4.	Mr.Md.Amzad	Helper
5.	Mr.D.Ramu	Helper
6.	Mr.M.Anil Kumar	Helper
7.	K. RAJA	Helper
8.	MR.P.BHEEM REDDY	Helper
9.	Mrs .Y.SESHAMANI	Helper
10.	Mrs.G.Kiran Kumar	Typist
11.	Mr.Ch.Ramnath Reddy	Helper
12.	Mr. Y.Mallesha	Helper
	Mr.P.Satish_Kumar	Dpo
13.	Mr.P.Ram Prasad	Helper
14.	Mr.M.Anil	Helper
15.	Mr.B.Upender	Helper
16.	Mr.M.Nagabhushanam	Helper
17.	Mr.N.Naremdar	Plumber

New Equipment/Software Installed: The Department of Civil Engineering purchased

a) Settlement of reinforced embankment on soft ground with stage construction.

- Pressure cells
- LVDT
- Settlement gauges magnetic settlement plate
- Surface settlement plate essential Miscellaneous items, cable and readout unit
- Piezometer
- Geo PIV Equipment

For Geotechnical Engineering Laboratory to conduct B.Tech/M.Tech Lab Course Work at the cost of Rs.18,68,291.25/- dated 10.03.2020. Under TEQIP – III.



b) Block vibration test Setup For Geotechnical Engineering Laboratory to conduct B.Tech/M.Tech online classes at the cost of Rs. 7,19,198/- dated 14.03.2020 Under TEQIP –III.



c. Geo centrifuge Equipment Rs.30,84,500.00 /- dated 03.07.2020, (Under TEQIP University funds)



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

- Dr.G.V.Narasimha Reddy & Dr.V.Padmavathi organized a “National Conference on Geotechnical Applications 2020 (GEOAPPS – 2020)” under TEQIP –III twining program with INDIAN GOTECHNICAL SOCIETY Hyderabad Chapter

Details of Webinars/Conferences/Seminars/Workshops/ Refresher Courses/Orientation Courses/FDPs Attended by the Faculty:

- Dr .P.Srinivasa Rao, Professor attended National Conference on “Limit State Design of Steel Structures as per Indian code (LSDSS’20)” organized by IIT Chennai from 12th-14th Feb-20.
- Dr .P.Srinivasa Rao, Professor attended NACE International Gateway India Section organizing online Education & Training Course on “Corrosion Control of City Gas Distribution” from 23rd-25th July 2020.
- Dr .P.Srinivasa Rao, Professor attended NACE International Gateway India Section organizing online Education & Training Course 17th- 19th August ‘2020.
- Dr.B.Siva Konda Reddy, Associate Professor attended One Week International Online Faculty Development Program (FDP) on Latest Trends in Engineering, Science and Technology : Nano Materials (LIET: Nano Materials) organized by LENDI Institute of Engineering and Technology , Kakinada from 10th – 15th August’2020.

Keynote Address/ Invited Talks/Expert Lectures Delivered by the Faculty:

- Dr.S.Srnivasulu, Professor delivered a Invited Talk on“3rd edition of National Conference on Recent Advances in Science & Technology” (3rd NCRAS 2020) at Assam Science and Technology, Jalukbari, Gawahati during 17th -19th August 2020.
- Dr. M. Padmavathi, Associate Professor, Coordinator, BICS, JNTUH delivered a talk on “Sustainable Engineering Materials" in one week FDP on "Sustainable Construction Materials, SCM (2020)" organized by the Department of Civil Engineering, CMR College of Engineering during 15th July 2020 to 20th July 2020.

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

- Dr.M.Padmavathi, Associate Professor & Coordinator, BICS organized a Webinar Based short course on “Reinforced Soil Structures : Design Methods, Issues and Innovations” (RESSDI-2020) on 25th July 2020

Faculty Achievements:

i) Journal/ Conference Papers Reviewed by the Faculty:

- Dr.P.Srinivasa Rao, Professor Reviewer for National Journal of “Indian Concrete Journal” for ACC Limited.
- Dr.P.Srinivasa Rao, Professor Reviewer for National Journal of “Journal on Civil Engineering” for i-manger publishers.
- Dr.K.Manjulavani, Professor & BOS Chairman JNTUH Reviewer for International Journal of “Remote Sensing” for Taylor & Francis.
- Dr.K.Majulavani, Professor& BOS Chairman JNTUH reviewer for International Journal of “ Geo Sciences” for American Journals.
- Dr.K.Majulavani, Professor& BOS Chairman JNTUH reviewer for International Journal of “Advance in Material Sciences” for Elsevier Journals.
- Dr.S.Srinivasulu, Professor reviewer for International Journal of “American Society of Civil Engineering”
- Dr.S.Srinivasulu, Professor reviewer for International Journal of “Elsevier”
- Dr.M.Padmavathi Associate Professor for International Journal of “Advance in Material Sciences” for Hindwai Publishers.
- Dr.M.Padmavathi Associate Professor for International Journal of “Engineering of Structures” for Elsevier Publishers.

ii) Journal Papers Published by the Faculty:

- Dr. P.Srinivasa Rao Professor Published a journal titled "A Research Title on "Alccofine Concrete" for an *International* Journal ISSN: 2278-3075, Volume - 9 , Issue No 5 in March 2020.

- Dr. P.Srinivasa Rao Professor Published a journal titled " Effect Freezing and Thawing on Quaternary blended self compacting Concrete in I – managers Journals Vol - 8,No 4,pp 10-16 in Dec'19 & March 2020.
- Padmavathi M, Associate Professor , Padmavathi V, Professor & Madhav M.R, Emeritus Professor(2020) Published a journal titled "Response of two-pile group subjected to vertical eccentric load," International Journal of Geotechnical Engineering, Vol.14, no.6,pp.626-635, DOI: 10.1080/19386362.2019.1652452
- Padmavathi M, Associate Professor , Padmavathi V, Professor & Madhav M.R, Emeritus Professor *International Journal on Science and Research*, Vol.8, No. 8, pp. 1572-1578. ISSN: 2319-7064.

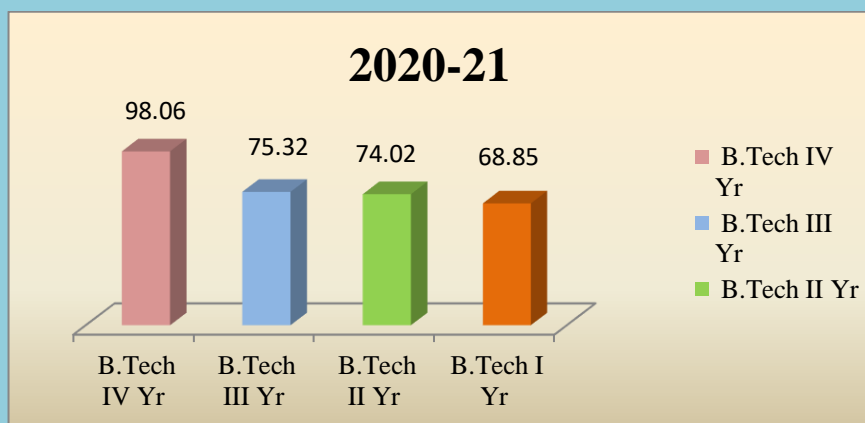
iii) Conference Papers Presented by Faculty Members:

Dr.P.Sravana reviewed a research paper entitled " Effective of Nano - Silica Fume on Consistent Fluidity of Concrete Pavement mix by Assistance of Super plasticizer" in 3rd International Conference at Iran in March'2020

New Appointments and Promotions:

- Dr.K.M.Lakshmana Rao, Professor of Civil Engineering appointed as “Director BICS” at JNTUH University.
- Dr.M.Padmavathi, Associate Professor of Civil Engineering appointed as “ Coordinator BICS at JNTUH University.

Result Analysis



Consultancy (Revenue Generated Rs.280 Lakhs)

Sl. No.	Name of the Work	Name of the Organization	Amount(Rs.) in Lakhs
1.	Testing of Steel	M/s Bharat Dynamics Limited, Bhanur, Sangareddy District	0.14
2.	Testing Steel	Assistant Engineer, ICMR GVPD, CPWD, Hyderabad	0.28
3.	Concrete Mix Design	Various agencies like R & B Department, Irrigation Department, Singareni Collieries, South Central Railway, Various other Government and Private Organizations.	54.00
4.	Proof checking	GHMC, HMDA, My Home Constructions, South Central Railway and Various other Government and Private Organizations.	220.00
5.	Structural Stability	GHMC and other Private Organizations	0.45
6	Mix Designs	SCCL, Manchiryal.	0.70
7	Mix Designs	SCCL, kothagudem.	0.35
8	Mix Designs	SCCL, Bhupalpalli.	0.70
9	BC Mix Design	M/s SKR Constructions, Hyderabad.	0.35
10	Mix Designs	R & B, Siddipet.	0.35
11	Slope Satbility	Uttam Blasting (Slope Stability)	0.59
12	Soil Investigation Work	Smt Mandala Sriveni	0.55
13	Soil Investigation Work	JSR Constructions Pvt.Ltd.	0.10
14	Soil Investigation	Geosol Associates, Hyd	0.24
15	Soil Investigation work	Geosol Associates, hyd	0.24

Value added course

S. No	Title of the Value Added Course	Faculty Coordinator	Duration	No of Students Participated
1	Surveying Practice and Plotting	Dr. S. Srinivasulu Dr. G. V. Narasimha Reddy	07/08/2021 – 18/09/2021 (60)	36
2	Special Concretes – A Review	Dr. B. Dean Kumar Mrs. J. Divya Mrs. B. Ashritha Mr. K. Ashok	01 st October – 15 th December 2021 (66)	45
3	Geometric Design of Highway using Civil 3D	Dr. P. Sravana	1 st May 2021 to 30th June 2021(108)	34
4	Human Values & Ethics	Dr. G.K. Viswanadh	1st May 2021 – 30th June 2021(108)	35
5	Research Methodology	Dr. G.K. Viswanadh	5th November 2020 – 8th January 2021(84)	40
6	Soil Exploration & Case Studies	Dr. V. Padmavathi	07 th August 2021 – 18 September 2021(60)	36

Value added course offered during 2020 - 2021 was for duration 30 hours B.Tech & M.Tech Studetns have enrolled and completed the courses successfully. The topics offered help the students to gain knowledge of latest Technologies.

Photo Gallery



Ms K.Shreeja-19011A0153 Participating In Archery Competition held in Hyderabad in November 2020



Winner of cricket Tournament Held in March 2021



ICS Work : Library Site Inspected by the faculty of Civil Engineering Department at Pidugural Guntur Dist.,



ICS Work: Site Inspected by the faculty of Civil Engineering Department for Structural Stability Test at Begum Bazar,