

About the Institute:

“Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology” was established by the ‘Vignana Jyothi’ Society as a not-for-profit organization in the year 1995-96, with a motto to provide value based higher education on par with international standards. The Philosophy of Vignana Jyothi unravels education as a process of "Presencing" that provides, both individually and collectively, to one's deepest capacity to sense and experience the knowledge and activities to shape the future.

The Institute is established with the permission of AICTE and Govt. of AP. Institute offers 9 B.Tech., 13 M.Tech., and Ph.D. Programs. All the courses offered by the institute are affiliated to Jawaharlal Nehru Technological University Hyderabad, Hyderabad. The institute is recognized under section 2(f) and 12(B) of the UGC Act, 1956. The Institute is accorded Autonomous status by UGC for 6 years in 2012 and Extension of Autonomous Status is accorded for 10 years in 2018. Institute is Accredited by NAAC with ‘A++’ Grade and CGPA 3.73 in Cycle-II in 2018. 7 B.Tech. courses are accredited by NBA. The institution is granted with “College with Potential for Excellence (CPE)” status by UGC for a period of five years w.e.f. 2016. Five Departments are recognized as Research Centres by JNTUH Hyderabad. Institute is certified by International Standards Organisation (ISO) with ISO 9001:2015 certificate. QS i-GAUGE awarded “Diamond” college rating and E-LEAD (E-Learning Excellence for Academic Digitation) Certification. MHRD, India has ranked the institute at 127th rank in the Engineering category and 151-200 rank band in the Overall category in NIRF 2020.

About the Department:

The Department of Civil Engineering was started in the year 2001 with an intake of 60. The intake was increased to 120 in the year 2010. The department also offers PG programs in Structural Engineering, Highway Engineering and Geo-Technical Engineering with an intake of 18 each. The department is equipped with excellent laboratories provided with state-of-art equipment's and experimental facilities required for imparting high quality technical education and is structured to meet the present day needs of the society. The department is reinforced with 16 doctorates in various specializations of Civil Engineering and 13 faculty are pursuing Ph.D. and the department is also ably supported by highly skilled and competent technical staff to undertake testing and consultancy works. The Civil Engineering Department is accredited by National Board of Accreditation (NBA) for five years in Outcome Based Education (OBE). The department is accorded with Third Party Quality Control (TPQC) services from Greater Hyderabad Municipal Corporation (GHMC), Comprehensive Road Management Plan (CRMP) of GHMC, Government of Telangana State since May 2018. Our client list includes NHAI, AP Police Department, M/s. Gland Pharma Ltd., and many more. The Department has MOUs with Industry and also undertakes consultancy to promote Industry Institute Interaction.

Organising Committee

Coordinator: Dr. A.Mallika

Professor and Head, CED

E-Mail: mallika_a@vnrvjiet.in

Contact No.: **9849738438**



AICTE Sponsored

**Two Week online
Faculty Development Program (FDP)
on**

**Advanced Computing in
Civil Engineering (ACCE)**

(16-Nov-2020 to 28-Nov-2020)

Series-1

**Advanced Computational tools in
Structural Modelling and Analysis &
Transportation and Traffic systems**



Organized by

Department of Civil Engineering

**VNR Vignana Jyothi Institute of Engineering
and Technology**

Vignana Jyothi Nagar, Pragathi Nagar,
Nizampet (S.O), Hyderabad – 500 090
Telangana State, India.

Overview of the Program:

The development of powerful and affordable computer software will have an effect in the delivery of instruction in Outcome Based Education. This is in specific true for Civil Engineering Education where the Software are appreciated as a powerful tool in Civil Engineering Education. The principle aim of this Faculty Development Program (FDP) is to demonstrate the huge development of software contribution that is applied by Civil Engineers, which aims at improving the quality of civilization on the globe. This FDP also facilitate the faculty to upgrade the knowledge, specific skills about modern computing techniques/software in various domains of civil engineering i.e. Structural Engineering, Transportation Engineering, Geotechnical Engineering and Water and Environmental Engineering.

Objectives of the Program:

This Faculty Development Programme (FDP) aims to

- To make the participant faculty conversant with latest computational techniques in analysis and design of civil infrastructures like precast bridges, box culverts, and highway systems.
- To facilitate students to do work with advanced software to procure better skillset to work in the industry.
- To apply the knowledge in research to analyse the complex systems and perform advanced research and quality publications.
- Enhance teaching scope in the courses handling.

Who Can Participate?

This Online AICTE sponsored FDP is open to Faculty members, Industry Professionals engaged

in Civil Engineering profession.

How to Apply:

Eligible candidates may apply by submitting the details through the Google form before 14th November 2020 (6:00 PM).

No Registration Fee

<https://forms.gle/kb1shYe3KKMmCzEK9>

Confirmation of Participation:

On receipt of the registration form, participants will be sent confirmation of their participation through E-mail by 14th November 2020. The details regarding schedule and link for online platform will be shared only to registered participants through mail. The number of participants for this program is limited to 50 only. E-Certificate will be provided to those who have attendance >80%, filled the daily feedback form and successfully completed (>50% marks) the assessment at the end of the program.

Topics:

- Need of Advanced Application software
- Introduction to MIDAS software and its applications in Civil Engineering
- Seismic analysis of a multi-storeyed building using MIDAS
- Prestressed box girder and box culvert Modelling & Analysis
- Modelling and Analysis in ANSYS
- Introduction to advanced simulation-ABAQUS
- Road Geometrics: Horizontal alignment and Vertical alignment
- Introduction to traffic simulation for un-signalized Intersection using VISSIM
- Pavement Management Systems using HDM-IV

Resource Persons:

Eminent speakers from Academia, Industry and Research will share the knowledge and experience in using the Advanced Computational tools in Civil Engineering.

Dr. N.V. Ramana Rao

Director, NIT Warangal

Dr. Amritham Rajagopal

Professor, CED, IIT Hyderabad

Dr. C.S.R.K. Prasad

Professor, CED, NIT Warangal

Dr. Rajesh Kumar G

Professor, CED, NIT Warangal

Dr. B. Krishna Prapoorna

Associate Professor, CED, IIT Tirupati

Dr. Shrinivas S. Arkatkar

Associate Professor, CED,SVNIT, Surat

Dr. V. Vinayaka Ram

Associate Professor, CED, BITS, Hyderabad

Dr. Ankit Kathuria

Assistant Professor, CED, IIT Jammu

Dr. T.P.Tezeswi

Assistant Professor, NIT Warangal

Dr. Marisamynathan

Assistant Professor, CED, NIT Tiruchirappalli

Dr. Yogesh Shah,

Assistant Professor, CED, IITRM, Ahmedabad

and many more experts from industry and academia

Stay Home Stay Safe and Wish you a Happy Learning