

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 education on par with international standards. The Philosophy of Vignana Jyothi unravels education as a process of "Presenting" 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 with CGPA 3.73/4.00 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. AICTE has identified the institute as a Research Institute under the National Doctoral Fellowship scheme and 5 Departments are recognized as Research Centres by JNTUH, Hyderabad. Institute is certified by International Standards Organisation with ISO 9001:2015, QS i-GAUGE awarded “Diamond” college rating and E-LEAD (E-Learning Excellence for Academic Digitisation) 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 12 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.

Coordinator:

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Professor and Head, CED

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AICTE

Sponsored

Two Week Online Faculty
Development Program (FDP)

on

Advanced Computing in Civil
Engineering (ACCE)

(15.02.2021 – 27.02.2021)

Series 2:

*Numerical Modelling in Geotechnical
Applications, Hydrology and Environmental
Quality Monitoring*



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. The principle aim of this faculty Development Program 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 up-grade 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 modelling and analysis of civil infrastructures like foundations, embankments and Environmental parameters.
- To make the participant know the intricate details of the modelling.
- To facilitate students to do work with this 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 13th February 2021 (6:00 PM).

No Registration Fee

Register Through the google link

<https://forms.gle/sMwevPPUWbveeYEE9>

Confirmation of Participation:

On receipt of the registration form, participants will be sent confirmation of their participation through E-mail by 14th February, 2021. 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:

- Background and importance of Numerical Modelling and analysis in Geotechnical applications
- Slope stability analysis using Geostudio
- Numerical Modelling using PLAXIS
- Overview of numerical analysis using finite difference software (FLAC- 2D and 3D)
- Air quality Modelling in Heavy Traffic Area
- Demonstration of air quality modelling using CALINE3
- Numerical Modelling for Climatic Change Analysis
- Fuzzy logic and Regression Analysis in Hydrological Modelling

Resource Persons:

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

Prof. M. R. Madhav
Professor (Retd.), IIT Kanpur
DVP, VNR VJJET

Prof. T. Shashidhar
IIT, Hyderabad

Prof. B. Umashankar
IIT, Hyderabad

Prof. N V Umamahesh
NIT Warangal

Dr. K.V. Uday
IIT, Mandi

Prof. K. Srinivasa Raju
BITS, Hyderabad

Dr. Neelima Satyam
IIT, Indore

Prof. M.V.S.S. Giridhar
JNTUH

Prof. Prem Latha
Anna University

Prof. G. K. Viswanath
JNTUH

Dr. Ganesh Rathode
IIT, Delhi

Dr. B. Srimuruganandam
VIT, Vellore

Dr. R Sivacoumar
CSIR - NEERI

..... and many more experts from industry and academia

Wish you a Happy Learning