

ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON

GROUND MOTION MODELLING AND RESPONSE COMPUTATIONS IN EARTHQUAKE ENGINEERING

(4th August – 13th August 2022)

Organised by
Department of Civil Engineering



NIT, Warangal
Under the scheme of Electronics &
ICT Academy

(Sponsored by Ministry of Electronics and
Information Technology (MeitY), GOI)

About NIT Warangal

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programmes in various specializations. All B. Tech and M. Tech programmes of NIT



Preamble

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, Gol. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy's role is to offer Faculty Development Programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry,

Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

Major Course Contents

- ✓ Engineering Seismology and Learning From Past Earthquakes
- ✓ Response Control Of Structures Subjected to Dynamic Loads
- ✓ Ground Response Analysis
- ✓ Ground Motion Prediction Equations for Seismic Hazard Analysis
- ✓ 3D Seismic Wave Amplification
- ✓ Characterization of Strong Motion Generation Regions of Earthquake Slip Using Extreme Value Theory
- ✓ Internet of Things (IoT) & Artificial Neural Network (ANN) Applications in Earthquake Engineering

Faculty conducting this programme

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Main Speakers



Dr. G. R. Dodagoudar, IIT Madras,
Department of Civil Engineering



Dr. Tarun Naskar, IIT Madras,
Department of Civil Engineering



Dr. Arun Menon, IIT Madras,
Department of Civil Engineering



Dr. Sawant, Viswas A, IIT Roorkee,
Department of Civil Engineering



Dr. STG Raghukanth, IIT Madras,
Department of Civil Engineering

How to apply

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/DZ9mogQkhHdfeBqC6>

Selection Criteria

Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Registration fee

Faculty and PG, Research Scholars	₹ 500/-
Industry Participants	₹ 1500/-

Participants need to pay the Registration Fee Online using the following details:

Online Transfer Details

Account Name: **Electronics & ICT Academy NITW**
Account No: **62423775910**
IFSC: **SBIN0020149**
Bank and Branch: **State Bank of India, NIT (REC) Warangal**

Important Dates

Last date (Application & DD)	03/08/2022
Selection List by E- mail	03/08/2022
Duration	4th -13th August 2022

Coordinator:

Dr. G Kalyan Kumar

Assistant Professor

Department of Civil Engineering

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For more details about Electronics & ICT Academy, NIT, Warangal, please visit:

<https://nitw.ac.in/eict>