ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP) ON ADVANCES IN GEOSYNTHETICS ENGINEERING
(28th February – 9th March 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)

Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. 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.

About the FDP:

Geosynthetics are polymeric materials which are used to enhance, augment and provide possible cost-effective solution for geotechnical, environmental, transportation engineering projects. Geosynthetics have become well established construction materials which can be utilized for all stages of construction to strengthen infrastructure by improving road design, preserving water, controlling evaporation, limiting erosion and enhancing the longevity, resilience and safety of structures. There are various types of geosynthetics available as required for different applications and environments. Now it is the time to collect and summarize its state of-the-art and discuss on the perspectives of the use of geosynthetics for infrastructures (roads, airfields and railways). Practicing Engineers, Geotechnical Consultants, Faculty, and Research Scholars can attend the program.

Major Course Contents:

1. An Overview on Geosynthetics
2. Long-term hydraulic characteristics of geosynthetic filters
3. Application of geosynthetics in landfill containments
4. Geosynthetic - Backfill Interactions under Axial Pull
5. Geosynthetic Reinforcement under Oblique Pull
6. Geosynthetic Reinforced Granular Beds
7. Reinforced Embankments and Slopes
8. Construction of very tall retaining walls and slopes using geosynthetics
9. Use of geosynthetics for construction in soft clay soils

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.

Registration fee

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty and Research Scholars</td>
<td>Rs.500/-</td>
</tr>
<tr>
<td>Industry Participants</td>
<td>Rs.1500/-</td>
</tr>
</tbody>
</table>

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 |

How to apply:

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

https://forms.gle/BA8DDs64RXyh4hw8

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.

Important Dates:

| Last date (Application & DD) | 27.02.2022 |
| Selection List by E-mail     | 27.02.2022 |
| Duration                     | 28.02.2022 to 09.03.2022 |

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 Warangal are NBA accredited.
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1. Name:
2. Designation:
3. Institution:
4. Email:
5. Mobile No:
6. Reference No: Amount:
   Bank:
   Date:
7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
    Teaching: Research: Industry:
12. Do you belong to SC/ST: Yes / No

SPONSORSHIP CERTIFICATE
Dr. /Mr. /Ms. …………………………………... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “ADVANCES IN GEOSYNTHETICS ENGINEERING”, sponsored by Electronics & ICT Academy during 28th February – 9th March 2022. NIT, Warangal,

Signature of Head of Institution (with seal)

Coordinator:
Dr. G Kalyan Kumar
Assistant Professor
Department of Civil Engineering
NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL – 506 004 (Telangana State)
Email: kalyan@nitw.ac.in
Ph. No: +91 8332969265
For more details about Electronics & ICT Academy, NIT, Warangal, please visit:

https://nitw.ac.in/eict

Declaration
The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Date

Signature of the Applicant