



**FACULTY DEVELOPMENT PROGRAMME on
COGNITIVE INTELLIGENCE: FOUNDATIONS & APPLICATIONS**

August 16-26, 2021

Organized by

VELLORE INSTITUTE OF TECHNOLOGY CHENNAI CAMPUS

Vandalur Kelambakkam Road, Chennai - 600127

in association with

E & ICT Academy, NIT Warangal

(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. The role of this academy 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.

This Faculty Development Programme (FDP) is devoted to address the need to enhance the knowledge about the latest technologies pertaining to **Cognitive Intelligence: Foundations & Applications** is being conducted at **Vellore Institute of Technology Chennai Campus**. The course is handled by academicians and industry experts.

Major Course Contents:

- Human-computer interaction and brain-computer interfaces
- Human cognitive functioning, pursuing results relevant for AI
- Artificial cognitive functioning or Cognitive Neuroscience
- Cognitive Robotics
- Neural Information Processing Systems
- Information Extraction and knowledge Representation in Cognitive Systems
- AI assisted cognitive computer approaches: Linguistic spatial and Interpersonal Intelligence
- Big data driven Cognitive Inspired Computing with Big data and Machine Intelligence
- ML and DL Techniques with Cognitive knowledge acquisition frameworks
- Cognitive and the future of Enterprise Business
- Security issues and limitations of cognitive inspired computing
- Role of cognitive machine intelligence in Cyber security systems
- Internet of Cognitive Things
- Application of cognitive computing in health monitoring, intelligent control systems, bioinformatics, smart manufacturing, smart grids, image/video and signal processing, etc.
- Practical application of advanced cognitive AI techniques - machine learning, computer vision, collaborative filtering, robotics, reinforcement learning, automated planning/scheduling etc.;

Faculty conducting this programme:

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

Eligibility:

The programme is open to the Faculty of Engineering Colleges, MCA Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-

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

How to apply:

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

<https://forms.gle/pRA24SmAaBH5dDkn7>

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. In case a candidate is not selected, the DD will be sent back. 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 for submission of Applications	August 8, 2021
Selection List by E- mail	August 12, 2021
Duration	August 16-26, 2021

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 programs in various specializations. All B.Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About VIT Chennai:

VIT for the past 35 years has made a mark in the field of higher education in India imparting quality education in a multi-cultural ambience, with extensive application-oriented research. VIT was established with the aim to provide quality higher education on par with International Standards.

It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. VIT was established by well-known educationalist and former parliamentarian, Dr. G. Viswanathan, Founder and Chancellor, a visionary who transformed VIT into a center of excellence in higher technical education. Govt. of India recognized VIT as an Institution of Eminence (IoE). ARIIA, Govt. of India recognized VIT as No. 1 Private University for Innovation. MHRD, Govt of India ranked VIT as No.18 among the Engineering Institutions (NIRF-2019 ranking).



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SPONSORSHIP CERTIFICATE

1. Name :

2. Designation :

3. Institution :

4. Email :

5. Reference No: Bank: Date:

Amount:

6. Address for Correspondence:

7. Educational Qualification:

8. Subjects taught so far:

9. No. of refresher courses/workshops attended:

10. Experience (in years):

Teaching: Research: Industry:

11. Do you belong to SC/ST : YES / NO

Dr. /Mr. /Ms.
is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “Cognitive Intelligence: Foundations & Applications”, sponsored by Electronics & ICT Academy during July 01 - 10, 2021 at VIT Chennai.

Signature of Head of Institution
(with seal)

Interested faculty members, please fill the following
Google form:
<https://forms.gle/pRA24SmAaBH5dDkn7>

Address for correspondence

Post your application form

Dr. R. Jagadeesh Kannan
Professor and Dean
School of Computer Science & Engineering
Vellore Institute of Technology Chennai Campus
Vandalur Kelambakkam Road
Chennai – 600 127. Tamilnadu, India

*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.

For more enquiries please contact:

Dr. S. Geetha
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Dr. V. Sakthivel
Mobile: +91 98436 77515

Dr. P. Prakash
Mobile: +91 98848 14492

Dr. P. Subbulakshmi
Mobile: +91 76396 64766

Signature of the Applicant

Coordinators

Dr. R. Jagadeesh Kannan & Dr. S. Geetha
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Vellore Institute of Technology Chennai Campus
Vandalur Kelambakkam Road, Chennai - 600127
Email: events.scope@vit.ac.in