



**FACULTY DEVELOPMENT PROGRAMME on
DEEP LEARNING: FOUNDATIONS & APPLICATIONS**

June 21 - 30, 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)



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act 1956)

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 the academy 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 **Deep Learning: Foundations & Applications** is being conducted at **Vellore Institute of Technology Chennai Campus**. The course is handled by academicians and industry experts.

Major Course Contents:

- Introduction to machine learning, Types of Learning algorithms
- Challenges with ML algorithms
- Introduction to Neural Networks & Different Architectures
- Why Neural Networks for Deep Learning
- Challenges in training Deep Neural Networks
- Convolutional Neural Networks & its variants
- CNN applications in Computer Vision & Medical Diagnosis
- RCNN & its variants for Object Detection
- Auto encoders and its variants for Dimensionality reduction & Representation learning
- Recurrent Neural Networks and its variants for Sequence classification and Sequence to Sequence learning
- GANs for generating data and Image-to-Image Translation & Text-to-Image Translation
- Attentional Networks and its applications in NLP

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/ZhgpCZo1Jgex8CKUA>

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	June 17, 2021
Selection List by E- mail	June 18, 2021
Duration	June 21 - 30, 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-2019ranking).



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SPONSORSHIP CERTIFICATE

1. Name :
2. Designation :
3. Institution :
4. Email :
5. Reference No: Bank: Date:

Dr. /Mr. /Ms.
is an employee of our Institute/Organization and is hereby
sponsored to participate in the FDP on “**Deep Learning :
Foundations & Applications**”, sponsored by Electronics & ICT
Academy during June 21 - 30, 2021 at VIT Chennai.

Amount:

Signature of Head of Institution
(with seal)

6. Address for Correspondence:

Interested faculty members, please fill the following
Google form:
<https://forms.gle/ZhgpCZo1Jgex8CKUA>

7. Educational Qualification:

8. Subjects taught so far:

Address for correspondence
Post your application form

9. No. of refresher courses/workshops attended:

10. Experience (in years):

Teaching: Research: Industry:

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

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

*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. G. Bharadwaja Kumar
Mobile: +91 9092959969

Signature of the Applicant

Coordinators

Dr. R. Jagadeesh Kannan & Dr. G. Bharadwaja Kumar

School of Computer Science & Engineering
Vellore Institute of Technology Chennai Campus
Vandalur Kelambakkam Road, Chennai - 600127
Email: events.scope@vit.ac.in