



**ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

(27th September – 8th October 2021)



**Organized by
E & ICT Academy, NIT Warangal
in association with
Department of CSE, SJB Institute of Technology, Bengaluru
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 role is to offer faculty development programmes (FDPs) in standardized courses and emerging areas of electronics, information communication technologies, training and consultancy services for Industry, curriculum development for Industry, CEP for working professionals, advice and support for technical incubation and entrepreneurial activities.

This Online FDP is devoted to address the need to enhance the knowledge about the latest development pertaining to **Artificial Intelligence (AI) and Machine Learning (ML)** is being conducted at **Department of CSE, SJB Institute of Technology, Bengaluru**. The whole course is handled by academicians and industry experts.

Major Course Contents:

- Introduction to AI
- Agents, Environments and Problem Formulations
- Search Algorithms
- Game Search
- Probabilistic Reasoning
- Hidden Markov Model
- Markov Decision Process
- Reinforcement Learning
- Overview of Machine Learning
- Supervised Learning
- Unsupervised Learning
- Classification
- Support Vector Machine
- Decision Tree and Random Forest
- K-Nearest Neighbors Algorithm
- Overfitting and Underfitting
- Neural Networks
- Overview of Deep Learning
- Recommender Systems
- Case Studies on AI Applications
- Case Studies on ML Applications

Faculty conducting this programme:

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

Eligibility:

The program 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/Y3uFt1nMhSoKnhDG7>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100 (hundred). The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD/online payment 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 Application	25 / 09 / 2021 (11:59 PM)
Selection List by E- mail	26 / 09 / 2021 (11:59 AM)
Duration	27 / 09 / 2021 (Monday) to 08 / 10 / 2021(Friday)

About SJB Institute of Technology, Bengaluru

SJB Institute of Technology (SJBIT) is situated in Silicon city Bengaluru. It is affiliated to Visvesvaraya Technological University, Belagavi, approved by AICTE. SJBIT is one among the BGS group of Institutions governed by the Adichunchanagiri Shikshana Trust (R) which was established in the year 1974, with the Blessings of His Divine Soul Jagadguru Sri Sri Padmabhushan Dr. Balagangadharanatha Maha swamiji with the vision to impart intellectual, spiritual, and physical needs of the students. Presently, the trust is being administrated by Chief Pontiff, His Holiness Sri Sri Sri Nirmalanandanatha Maha swamiji. SJBIT is committed to personal, social, and intellectual growth emphasizing a comprehensive educational programme leading to high academic standards with the leadership of Revered Sri Sri Dr. Prakashnath Swamiji, Managing Director, BGS & SJB Group of Institutions is diligently associating with Sri Adichunchanagiri Shikshana Trust (R).

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.

Coordinator(s):

Dr. Naveena C. Dept. of CSE, SJB Institute of Technology, Bengaluru Email: drcnaveena@sbit.edu.in Mobile: +91-8861326956	Dr. Sanjaya Kumar Panda Dept. of Computer Sc. & Engg. NIT Warangal Email: sanjaya@nitw.ac.in Mobile: +91-7978685893
--	---



**ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**



(27th September – 8th October 2021)

**Organized by
E & ICT Academy, NIT Warangal
in association with
Department of CSE, SJB Institute of Technology, Bengaluru
Sponsored by
Ministry of Electronics and Information Technology (MeitY), GoI.**

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

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 Online 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.

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the Online FDP on "AI and ML", sponsored by Electronics & ICT Academy during 27th September – 8th October 2021 at NIT Warangal.

**Signature of Head of Institution
(with seal)**

Address for correspondence

(Post your application form) at

**Dr. Sanjaya Kumar Panda
Assistant Professor
Dept. of CSE
National Institute of Technology
Warangal – 506004
Telangana, India**