

# 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), Gol.



"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:

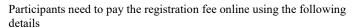
The programme will be conducted by the faculty members from SJB Institute of Technology and NIT Warangal; academicians in the concerned field from IITs/NITs/IIITs/Abroad are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

#### **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:

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



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 JagadguruSri 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):

or diffactor (5).	
Dr. Naveena C.	Dr. Sanjaya Kumar Panda
Dept. of CSE, SJB Institute of	Dept. of Computer Sc. & Engg.
Technology, Bengaluru	NIT Warangal
Email: drcnaveena@sjbit.edu.in	Email: sanjaya@nitw.ac.in
Mobile: +91-8861326956	Mobile: +91-7978685893



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## ON

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	1. Name	:				
	2. Designation	:				
	3. Institution	:				
	4. Email	:				
	5. Reference No	o:	Bank:		Date:	Amount:
	6. Address for	r Correspondence:				
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	<ul><li>8. Subjects tag</li><li>9. No. of refree</li></ul>	ught so far: esher courses/worksho	ps attended:			
	10. Experience	(in years): Teaching:		Research:	Ind	ustry:
	11. Do you bel	ong to SC/ST: YE	S /	NO		
Online	-	attend the course for	•	-		oide by the rules and regulations of the bonsibility to inform the Coordinator in Signature of the Applicant
			SPONSO	RSHIP CERTIF	<u>ICATE</u>	
particip		e FDP on "AI and M			_	anization and is hereby sponsored to my during 27 <sup>th</sup> September – 8 <sup>th</sup> October
					S	Signature of Head of Institution (with seal)
<u>A</u>	ddress for correst	<u>pondence</u>				
<b>(</b> P	ost your application	on form) at				

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