

Asi@connect Project

Friday March 10 - Thursday March 23, 2023 (Online Mode)

Date	Day	3:30 - 4:00 PM	4:00 - 5:30 PM	5:30 - 6:00 PM	6:00 - 7:30 PM	7:30 - 8:00 PM	
March 10, 2023	Friday	Inaugural Session	Introduction to Artificial Intelligence (AI) (Prof. Aparajita Ojha, IIITDM Jabalpur)	B R E A K	Early developments in modern AI: Search: Graph based search, heuristic search, adversarial search (Dr. Muhammad Ali Nayeem Bangladesh University of Engineering and Tech., Dhaka)		
March 11, 2023	Saturday	Knowledge representation and reasoning, Probabilistic inferences (Prof. Konda Reddy, IIT Hyderabad)			Introduction to python programming language, Keras and Tensorflow. (Dr. Vikas Bhangdiya, SSGM College of Engineering, Shegaon)		
March 12, 2023	Sunday	Holiday					
March 13, 2023	Monday	Introduction to Machine learning (ML), Types of ML, classification, regression (Prof. Mohd. Eunos Ali, Bangladesh University of Engineering and Tech., Dhaka)		B R E A K	Use of SVM in classification and regression - coding in python (Mr. Samir Jain, IIITDM Jabalpur)		
March 14, 2023	Tuesday	More on ML approaches: Clustering algorithms (Dr. Sraban K. Mohanty, IIITDM Jabalpur)			Applications of K-Means clustering -coding in python (Mr. Abdul Atif Khan, IIITDM Jabalpur)		
March 15, 2023	Wednes-day	Neural Networks Part 1: feed-forward networks, backpropagation (Prof. Partha Pratim Roy, IIT Roorkee)			Using Python Library and AI as a Service and classification using Neural networks -coding in python (Ms. Poornima Thakur, IIITDM Jabalpur)		
March 16, 2023	Thursday	Regression using neural networks - coding in Python (Ms. Shubhangi Chaturvedi, IIITDM Jabalpur)			Neural Networks Part 2: Optimization and regularization (Prof. Partha Pratim Roy, IIT Roorkee)		
March 17, 2023	Friday		Deep learning, deep neural networks, Convolutional neural networks (CNNs) (Prof. Pritee Khanna, IIITDM Jabalpur)		Classification using CNNs (Lab 5) (Mr. Samir Jain, IIITDM Jabalpur)		
March 18, 2023	Saturday		CNN Architectures, Encoder decoder models for image segmentation (Prof. Pritee Khanna, IIITDM Jabalpur)		Application of segmentation in biomedical imaging (Lab 6) (Mr. Samir Jain, IIITDM Jabalpur)		
March 19, 2023	Sunday	Holiday					
March 20, 2023	Monday		Sequence models: Recurrent neural networks, LSTM and GRU, Attention networks (Prof. Namita Mittal, MNIT Jaipur)	B R E A K	Application of LSTM and attention networks (Lab 8) (Ms. Poornima Thakur, IIITDM Jabalpur)		
March 21, 2023	Tuesday		CNN models for Object detection and related problems (Prof. Santosh K. Vipparthi, IIT Ropar)		YOLO model for object detection (Lab 7) (Ms. Poornima Thakur, IIITDM Jabalpur)		
March 22, 2023	Wednes-day		Recent Trends in Deep Learning - I (Prof. Subrahmanyam Murala, IIT Ropar)		Vision Transformer (Prof. Aparajita Ojha, IIITDM Jabalpur)		
March 23, 2023	Thursday	Recent trends in Deep Learning - II (Explainable AI) (3:30 PM - 4:30 PM) (Prof. Konda Reddy, IIT Hyderabad) Valedictory session (4:30 PM - 5:30 PM)					