

One-Week Workshop

On

Deep Learning: From Foundations to Cutting-Edge Techniques

Schedule

Day	Timings	Topic	Resource Person
Day 1, 15 th July 2024	9:30 AM – 10:00 AM	Registration	Organizing Team
	10:00 AM – 10:30 AM	Inaugural Ceremony	Dean – SOCS, Assoc. Dean R&D-SOCS, Cluster Heads
	10:30 AM –11:00 AM	Tea Break	
	11:00 AM -1:00 PM	Getting started with Neural Nets	Prof. Sanjeev Kumar, IITR
	1:00 PM - 2:00 PM	Lunch Break	
	2:00 PM - 3:15 PM	Hands-On: Basics of Python & Neural Networks	Dr. Ranjan Mandal, JPMC
	3:15 PM - 3:30 PM	Tea Break	
	3:30 PM – 5:00 PM	NN Hands On Experience	Dr. Ranjan Mondal, JPMC
Day 2, 16 th July 2024	10:00 AM -11:30 AM	Theory: Hyper parameter tuning	Dr. Shiv Ram Dubey, IIIT Allahabad
	11:30 AM -11:45 AM	Tea Break	
	11:45 AM -1:00 PM	Theory: Hyper parameter tuning	Dr. Shiv Ram Dubey, IIIT Allahabad - Confirmed
	1:00 PM- 2:00 PM	Lunch Break	
	2:00 PM - 3:30 PM	Theory: CNN	Dr. Shiv Ram Dubey, IIIT Allahabad - Confirmed
	3:30 PM -3:45 PM	Tea Break	
	3:45 PM - 5:00 PM	Hands On Experience: CNN	Dr. Shiv Ram Dubey, IIIT Allahabad - Confirmed
Day 3, 17 th July 2024	10:00 AM - 11:30 AM	Pretrained Deep Learning Architecture s Transfer Learning and Fine Tuning	Mr. Vikas Tyagi RyDot InfoTech, Ahemdabad
	11:30 AM -11:45 AM	Tea Break	
	11:45 AM -1:00 PM	Theory: RNN, LSTM, GRU	Mr. Vikas Tyagi RyDot InfoTech, Ahemdabad
	1:00 PM - 2:00 PM	Lunch Break	
	2:00 PM - 3:30 PM	Theory: Transformers	Dr. Hiren Galiyawala, Vadodara Gujarat
	3:30 PM - 3:45 PM	Tea Break	
	3:45 PM - 5:00 PM	Hands-on: Transformers	Dr. Hiren Galiyawala, Vadodara Gujarat
Day 4, 18 th July 2024	10:00 AM -11:30 AM	Explainable AI	Prof. Gaurav Singal NSUT
	11:30 AM - 11:45 AM	Tea Break	
	11:45 AM -1:00 PM	Hands-on Explainable AI	Prof. Gaurav Singal NSUT
	1:00 PM - 2:00 PM	Lunch Break	
	2:00 PM - 3:30 PM	LLM, ChatGPT, LangChain concepts	Dr. Surender Varma Gadhiraju, UPES, Dehradun
	3:30 PM - 3:45 PM	Tea Break	
	3:45 PM - 5:00 PM	Hands On: LLM, ChatGPT, LangChain concepts	Dr. Surender Varma Gadhiraju
Day 5, 19 th July 2024	10:00 AM -11:30 AM	Federated Learning	Prof. P K Jana,IIT (ISM) Dhanbad
	11:30 AM -11:45 AM	Tea Break	
	11:45 AM -1:00 PM	Federated Learning	Prof. P K Jana
	1:00 PM - 2:00 PM	Lunch Break	
	2:00 PM - 3:00 PM	Test: Evaluation	Organizing Team
	3:30 PM - 3:45 PM	Tea Break	
	3:45 PM onwards	Certificate Distribution and Valedictory	Organizing Team

