Electronics & ICT Academy
National Institute of Technology Warangal
FDP on "Artificial Intelligence for Computer Vision and Image Processing"
Department of Computer Science & Engineering - Networks
Venue: Kakatiya Institute of Technology &Science,
Warangal– 506015

Coordinator: Dr. Jothi Prabha Appadurai
Associate Professor
Department of CSE-Networks, KITSW
ajp.csn@kitsw.ac.in
Mobile: +91-9949096437

Coordinator: Prof. T.Kishore Kumar
Professor, Department of ECE,
National Institute of Technology,Warangal
kishorefr@gmail.com
Mobile: +91-8332969353

(6th – 18th Jun 2022): Lecture Schedule

DATE	Morning Session (10:00 AM - 12:00 PM)			Afternoon Session (02:00 PM - 04:00 PM)
6/6/22	Inauguration (09.45 AM)	Keynote Address (10 AM -12 PM) **(Dr. TKK Naidu, Professor & Head of the Forensic Medicine, Prathima Institute of Medical Sciences, Karimnagar)**		Introduction to AI for Computer Vision and image processing **(Prof.T.Kishore Kumar , Professor, Dept. of ECE, NITW)**
7/6/22	Learning with Deep Neural Networks **Dr.R.Bhargavi, Associate Professor (Senior Grade) & Head of M.Tech CSE(Business Analytics), SCOPE,VIT University,Chennai**		Lunch Break	Hands on Session on PYTHON Libraries for Deep Neural Networks **Dr.Suresh Babu E, Assistant Professor, Dept. of CSE, NITW**
8/6/22	Deep Learning and its applications **Prof. Mahadeva Prasanna, Professor, Department of Electrical Engineering, IIT, Dharwad**			Deep Convolutional Neural Networks - State of the art CNN Architectures **Dr. Jothi Prabha A, Associate Professor, Department of CSE-N, KITSW**
9/6/22	Future perspectives of Recurrent Convolutional Neural Networks for NLP using GAN **Mrs. Geeta Sable** **Software Engineer, Driven-4 India Private Limited, Pune, Maharashtra**			**Malware Detection and Classification using Visualization Technique** **Dr.S.Geetha, Associate Professor (Senior Grade) & Associate Dean, SCOPE,VIT University, Chennai**

Date	Session 1		Session 2	
10/6/22	**Video quality assessment algorithms using fMRI models** **Prof. Sumohana S. Channappayya, Professor, Department of Electrical Engineering,IIT Hyderabad**		Case study: Diagnosis of Alzheimer's disease using deep learning **Dr.Nancy Noella, Assistant Professor, Satyabama University, Chennai**	
11/6/22	AI in real time -Use cases **Dr.Mohanraj Vengadachalam, Machine Learning Lead, Standard Chartered GBS, Chennai**		Using state of the art CNN Architecture for Image Classification and localizations **Mr.Deepan Raj, Lead Data Scientist, HCL Technologies**	
13/6/22	Emerging Technologies in Signal Processing **Prof.T.Kishore Kumar , Professor, Dept. of ECE, NITW**		Case study on Emotion Recognition from Facial expressions **Dr. Jothi Prabha A, Associate Professor, Department of CSE-N, KITSW**	
14/6/22	Pre-Processing of Images and Feature Optimization **Dr. Surekha Reddy Bandela, Assistant Professor, Dept. of ECE, Institute of Aeronautical Engineering, Hyderabad**		State of the art Deep Neural Networks and its applications **Dr. Sriram.G.Sanjeevi, Professor, Department of Computer Science and Engineering, NITW**	
15/6/22	Face Recognition by Haarcascade algorithm using OpenCV **Dr.B.Rama, Associate Professor, Department of Computer Science, Kakatiya University, Warangal**		**Reinforcement Learning and its applications** **Dr.V.Sathiesh Kumar, Assistant Professor, Dept of Electronics Engineering, Madras Institute of Technology Campus, Anna University, Chennai**	
16/6/22	Brain Computer Interface: Trends and opportunities **Dr.Sanjeev Kubakaddi, Founder, ITIE Knowledge Solutions, Bengaluru**		Computer Vision and Case study as a pedestrian and vehicle detection for autonomous driving **Dr. Mohammad Farukh Hashmi, Assistant Professor, Dept. of ECE, NITW**	
17/6/22	Artificial Intelligence for Biomedical Signal Processing and its applications **(Prof. Ashoka Reddy, Principal KITSW)**		Different approaches for Speech Synthesis **Prof.T.Kishore Kumar ,Professor, Dept. of ECE, NITW** **(2:00 PM to 3:00 PM)**	Deep Learning for Speech Synthesis **Mrs. Geeta Sable.** **Software Engineer,** **Driven-4 India Private Limited,** **Pune, Maharashtra** **(3:00 PM to 4:00 PM)**
18/6/22	AI explosion in real-time **Dr. Sibi Chakkaravarthy Sethuraman,Associate Professor, SCOPE, VIT University- Andhra Pradesh**		**Keynote Address on** Artificial Intelligence Trends 2050 and Smart Applications **Dr.Ram Mohana Reddy Guddeti, Professor, Department of Information Technology, NIT Surathkal** **(2:00 PM to 3:30 PM)**	Test /Quiz **(3.30 PM to 03:45 PM)** Valedictory Valedictory **(3.45 PM to 04:00 PM)**