

Report on Faculty Development Program 1 Conducted from 05-09 July 2021

The department of ECE has conducted a 5-day Faculty Development Program on Machine Learning & Computer Vision (Basic) with the collaboration of ATAL in which a total of 145 faculty from various institutions all over India have participated.

The objective of the FDP, organized from 05 - 09 July was to provide idea on deep Learning & Computer Vision. This helps them to understand the domain of Deep Learning & Computer Vision and allow the participants to know the different applications where they can use Deep Learning in multiple fields mainly image processing.

The FDP was inaugurated by ATAL along with the 72 FDP's all over India. The resource persons from all over India & Worldhad given their lectures on different topics related to Machine Learning & Computer Vision.

The details of day wise sessions are as follows:

Day 1: 05-07-2021 Session 1 on Deep Forward Neural Networks by Ms. Jyostna Devi.

Day 1: 05-07-2021 Session 2 on CNN & its Architectures by Dr. Shoeib Amin Banday

Day 2: 06-07-2021 Session 1 on Object Detection & Image Classification with CNN Implementation by Dr. Karthik.

Day 2: 06-07-2021 Session 2 on Tensor flow & Keras Implementation using CNN by Dr. J. Ravi Kumar

Day 2: 06-07-2021 Session 3 on Sahaja Yoga by Chandrakant Deoda & Adv. Aditi.

Day 3: 07-07-2021 Session 1, by Dr. Saroj Meher on Auto Encoders.

Day 3: 07-07-2021 Session 2, by Dr. A. D. Dileep on Semantic Multinomial Representation for Scene Classification.

Day 3: 07-07-2021 Session 3, on Mathematical Morphology & Image Analysis by Dr. Daya Sagar.

Day 4: 08-07-2021 Session 1 on Pre-processing of medical images by Dr. Deepika Koundal.

Day 4: 08-07-2021 Session 2 on Deep Learning for Computer Vision by Dr. Samiya Khan.

Day 4: 08-07-2021 Session 3 on Deep Learning for Text & Sequential Learning by Dr. Samiya Khan

Day 5: 09-07-2021 Session 1 on Exploration of 3D Reconstruction by Dr. N. Usha Rani

Day 5: 09-07-2021 Session 2 on Object detection & Tracking - Optical Flow Algorithms by Dr. Senthil Kumar

Day 5: 09-07-2021 Session 2 on Applications of CNN - Face Mask Detection & Sign Language Detection by Mr. Madhu.

