One Week Faculty Development Program on AI and Deep Learning

Department of ECE, VFSTR organized a one week faculty development program from 22nd to 27th November 2019. Dr.K.Satya Prasad, Rector,VFSTR (Chief Guest) , Dr.T.Pitchaiah, HoD, ECE, Dr.N.Usha Rani, Dr.B.Sita Ramanjaneyulu, faculty members and participants were presented in the inaugural function of the FDP on 22nd November 2019 at 9.30AM. In the first day of FDP (22-11-19, first two sessions) Dr.N.Usha Rani, Professor,VFSTR delivered a lecture on overview of AI and Deep Learning. She also discussed mathematical fundamentals needed for AI and Deep learning. In 3rd and 4th sessions of first day Dr.Jakeer Hussain, deputy, HOD,ECE, discussed basics of Python.

In the day two (23-11-19), Dr.Vijay Raghavan, Dr.Laavanya taught single, multi layer networks, sigmoid neurons, Feed Forward neural networks and Back propagation in the first two sessions. Dr.P.Venkatappareddy presented mathematical insights of Convolutional neural networks. Besides, he also discussed regularization and optimization techniques required for better deep learning models design. In the third day (24-11-19) of the FDP, Dr.Siddharth Srivastava, Pricipal technical officer, CDAC, Noida and Dr. Prerana Mukharjee, Asst.Professor, IIIT Sricity acted as resource persons. They explained various CNN architectures with practical applications. Further they discussed transfer learning and auto encoder techniques.

In the day Four (25-11-19), Mr. Manoj Sharma, Asst.Professor, Bennett University presented various recurrent neural networks architecture in detail and conducted practice session on these topics. In the day five (26-11-19) , Dr.Phani Kumar, Associate Professor, VFSTR, discussed CNN applications to classification and detection problems. In the final day (27-11-19) of FDP Dr.Premamayudu, Professor, VFSTR, taught various object detection algorithms and RCNN to the participants. He also conducted practice session to the participants, Dr.P.Venkatappareddy also helped to conduct this session. Dr. Jakeer Hussain presented as a chief Guest for valedictory session happened on last day of FDP at 4PM and distributed certificates to participants.

In Summary, a total of 61 participants were registered for the FDP from various institutions. Each day FDP session started at 9.30AM and closed at 5.00PM in VTF-6 (Signal Processing LAB), H-Block. FDP was organized for a total of 40 hours in six days to discuss various topics of AI and Deep learning. Dr.T.Pitchaiah, HOD, ECE, Dr.P.Venkatappareddy, Associated Professor, ECE and Mr.P.Krishna Chaitanya, Asst.Professor, ECE Coordinated the FDP sessions.