

Activity Report

Training & Placement cell has organized 10 days Advance Training program on Artificial Intelligence and Machine Learning with NSIC, Rajpura under TEQIP-III for final year students of CSE/IT branch of Batch 2016-20, so that students get well familiar with the latest trends in the field of Artificial Intelligence and Machine Learning. To provide best quality lectures for students, resource persons for this program were hired from NSIC, Rajpura. Er. Navjot Singh presented his expertise in this training program.

Machine learning is the science of getting computers to act without being explicitly programmed. In the past decade, machine learning has given us self-driving cars, practical speech recognition, effective web search, and a vastly improved understanding of the human genome. Machine learning is so pervasive today that you probably use it dozens of times a day without knowing it. Many researchers also think it is the best way to make progress towards human-level AI. In this training, students learn about the most effective machine learning techniques, and gain practice implementing them and getting them to work. More importantly, students learn about not only the theoretical underpinnings of learning, but also gain the practical know-how needed to quickly and powerfully apply these techniques to new problems.

This training provides a broad introduction to machine learning, datamining, and statistical pattern recognition. **Topics included:** (i) Supervised learning (parametric/non-parametric algorithms, support vector machines, kernels, neural networks). (ii) Unsupervised learning (clustering, dimensionality reduction, recommender systems, deep learning). (iii) Best practices in machine learning (bias/variance theory; innovation process in machine learning and AI).

The program was held in MBA Seminar Hall from 1:30PM to 4:30PM for CSE/IT students. Students had also shown their keen interest during this advance training program.



TPO