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A Report on Two Day Weekend Training Programme "Saptahaant Shikshak Prashikshan (SSP) on Introduction to Machine Learning"

16th & 17th December, 2017

NMEICT-IIT Kharagpur has organized two days' Weekend Training Programme "Saptahaant Shikshak Prashikshan (SSP) on Introduction to Machine Learning" on 16th & 17th December, 2017. 15 faculty members from various institutions have participated in the training programme. The workshop was conducted by Prof. Pawan Goyal and Prof. Sourangshu Bhattacharya from IIT, Kharagpur.

Training programme has covered many important aspects of Machine learning. The topics covered in the workshops were Introduction to the course, Supervised Learning: generalization, bias-variance, cross-validation, Unsupervised learning-clustering, dimensionality reduction, Neural Networks, Algorithms for training - Gradient Descent (GD), Stochastic Gradient Descent (SGD), Back propagation, Probabilistic models, Gaussian Mixture Models (GMM), Hidden Markov Models (HMM), Maximum likelihood, etc.

The overall experience of the workshop was good but they lack in providing practical content for the same. In the concluding session many colleges have requested to conduct the same workshop for 1 week for future reference.