National Workshop on Machine Learning

IEEE MVSR SB had conducted a *One Week National Workshop on Machine Learning – Trends & Applications* from 7th February, 2018 to 12th February, 2018. This workshop focused on bringing exposure to tools and technologies that are applied in the fields of machine learning, artificial intelligence, pattern recognition. The objective of the program was to help faculty, research students acquire knowledge of latest trends in the area and understand implementation aspects in commonly used machine learning software such as R, Weka and Python. Target audience for the workshop included faculty, research scholars and students of B.E and M. Tech in CSE, IT and ECE departments.

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Workshop Details:

Date: **7th February 2018 to 12th February.**
Time: **9:45AM to 4:15PM**
Venue: **Civil Conference Hall, MVSR Engineering College**

Inaugural function was started at 9:45 AM and continued till 11:15 AM. This was followed by the speech of professor B. Yegnanarayana, Senior Scientist at IIIT Hyderabad regarding Human Vs Machine Intelligence. On day 1, there was hands on session based on python.

Inauguration of event

Hands on Python Programming

On 8th February, Dr. Kumar Eshwaran discussed about **"Recent Advances in AI"** which was then followed by the lecture on **"Deep Convolution Networks"** by Dr. B. Sandhya. Real time examples where Artificial Intelligence is used has been discussed. The audience were attracted to the booming topics which made them to do major projects.

Classification and Regression methods were taught practically. Few topics covered on 9th February are Dimensionality Reduction using rough sets, Trends in Genetic Algorithm, Recurrent Neural Networks, Data Analytics using R.

On 10th February, a guest lecture on **"Applications of Machine Learning"** was held. Various applications of machine learning such as Internet of Things, Neural Networks were discussed with a case study and research papers. Virtual Reality in combination with machine learning algorithms is discussed which had driven a lot of interest among the audience.

On 11th and 12th February, a complete Hands-On session was held on Python programming, Text processing using R Programming. Professor A.V. Krishna Prasad, CSE Department-MVSR, discussed regarding Data Analytics using R Programming.

Hands on Session for Text Processing, Clustering using R Programming

Reported by:
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