

AI in Education: Transforming the learning experience

Introduction

Building on a rich history of Artificial Intelligence and education, recent advances in machine learning provide tremendous opportunities to tackle the challenges faced in traditional educational setup. Forrester predicts that the investment in AI will triple in 2017 for a personalised experiences and machine learning will accelerate in a similar fashion in the education space.

The workshop on “**AI in Education: Transforming the learning experience**” will help the audience understand the various applications of AI in education and how the technology can be leveraged to transform the learning experience.

The workshop will focus on three types of AI technologies that are enhancing the learning outcome:

- **Learning Analytics:** participants will get to learn about tools and techniques to gather input from educational databases and create a real-time slice of an organization's training metrics.
- **Predictive Analytics:** will help participants analyse and evaluate statistical models for building recommender systems for educational setup.
- **Content Analytics:** participants will understand how content materials like lectures, textbooks and videos can be optimised for enhanced learning experience.

Duration : 4 hours

Learning Outcomes:

Upon successful completion of the workshop, participants will be able to

- Evaluate AI based educational tools and software for an enhanced learning experience
- Analyse applications of AI in the education sector and how AI can automate the basic activities in educational setup with analytical models
- Hands-on experience using Scikit-learn for applying machine learning techniques in education sector.
- Hands-on using RapidMiner for predictive modelling in educational setup.