NPTEL Video Course - Mining Engineering - NOC:Mine Automation and Data Analytics

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Co-ordinating Institute - IIT-ISM Dhanbad

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Virtual Reality Application in Mining
Lecture 31 - Introduction to Augmented Reality (AR)
Lecture 32 - Augmented Reality Application in Mining
Lecture 33 - Introduction - I
Lecture 34 - Introduction - II
Lecture 35 - Introduction to Probability and its associated terms
Lecture 36 - Introduction to Probability and its associated terms
Lecture 37 - Discrete Random Variable - Part I
Lecture 38 - Discrete Random Variable - Part II
Lecture 39 - Continuous Random Variable - Part I
Lecture 40 - Continuous Random Variable - Part II
Lecture 41 - Hypothesis Testing - I
Lecture 42 - Hypothesis Testing - II
Lecture 43 - t-test
Lecture 44 - Chi-Squared Test
Lecture 45 - Introduction to Machine Learning
Lecture 46 - Regression
Lecture 47 - Logistic Regression
Lecture 48 - K Nearest Neighbor
Lecture 49 - Support Vector Machine
Lecture 50 - NaÃ Â¯ve Bayes Classifier
Lecture 51 - Artificial Neural Networks
Lecture 52 - K Means Clustering
Lecture 53 - DBSCAN
Lecture 54 - Principal Component Analysis (PCA)
Lecture 55 - Application of Big Data Analytics in Mining
Lecture 56 - Big Data and AI Used Cases
Lecture 57 - Cognitive Maintenance in Mining
Lecture 58 - Cognitive Maintenance Case Studies
Lecture 59 - Introduction to Orebody Modelling and Mine Design
Lecture 60 - Case studies on Orebody Modeling and Mine Design