Course Name: Data Mining

About Course	Certificate Type	Toppers list	Statistics

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Prof Pabitra mitra

Course abstract

Data mining is study of algorithms for finding patterns in large data sets. It is an integral part of modern industry, where data from its operations and customers are mined for gaining business insight. It is also important in modern scientific endeavors. Data mining is an interdisciplinary topic involving, databases, machine learning and algorithms. The course will cover the fundamentals of data mining. It will explain the basic algorithms like data preprocessing, association rules, classification, clustering, sequence mining and visualization. It will also explain implementations in open source software. Finally, case studies on industrial problems will be demonstrated.

Course Instructor
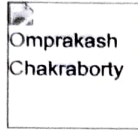
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Prof. Pabitra Mitra

Pabitra Mitra is an Associate Professor of Computer Science and Engineering at Indian Institute of Technology Kharagpur. He did his BTech in Electrical Engineering from IIT Kharagpur and PhD from ISI Calcutta. He was a Scientist at Centre for Artificial Intelligence and Robotics, Bangalore and an Assistant Professor at IIT Kanpur. He received the INAE Young engineer

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Award, IBM Faculty Award and Yahoo Faculty Award. He has authored a book on Data mining and about 50 papers in international journals.

Teaching Assistant(s)

Omprakash
Chakraborty

OMPRAKASH CHAKRABORTY

M.S., COMPUTER SCIENCE AND ENGINEERING

🕯 Course Duration : Feb-Mar 2018

📄 View Course (http://archive.nptel.ac.in/courses/106/105/106105174/)

🔖 Enrollment : 20-Nov-2017 to 05-Feb-2018

✎ Exam registration : 08-Jan-2018 to 07-Mar-2018

✎ Exam Date : 28-Apr-2018

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Department: Information Technology

2018-19

REPORT

FDP on " NPTEL Course on Data Mining"

Date of program: Feb 2019 to Apr 2019

Resource person: Prof. Pabitra Mitra, IIT Kharagpur.

About the Program:

The NPTEL Courese on Data Mining covered wide range of relavent topics. The introduction involves the extraction of hidden patterns, correlations, and trends from large datasets to facilitate decision-making. It integrates various techniques from statistics, machine learning, and database systems to uncover valuable information. The primary goal is to transform raw data into actionable knowledge. Also discussed Key Concepts and Techniques like Association Rule Mining, Clustering, Classification, Regression Analysis. It also explained implementations in open source software. Finally, case studies on industrial problems were demonstrated.

Submitted by

M.Sridevi, Asst. Prof.

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