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Course Syllabus: Geo informational Systems, Databases and Mining

Batch Name: Geo informational Systems, Databases and Data Mining

Course Start: 1st of Every Month

Eligibility: 12th

Course Duration: 90 Hours

Courses / Modules Paper

Module 1

Paper 1	Paper 2
GIS Introduction	Data Mining

Paper 1: GIS Introduction

- 1.1 Introduction to ArcGIS Software & Digital Data Sources
- 1.2 Data sources continued(Global navigation satellite systems, Aerial and Satellite images)
- 1.3 Data modelling and management(Logical Modelling DBMS, Conceptual and Logical)
- 1.4 Vector Analysis Introduction
- 1.5 Surface modelling
- 1.6 Raster Analysis



Paper 2: Data Mining

- 2.1 Introduction to Data Mining
- 2.2 Machine learning and classification
- 2.3 Instances and Attributes
- 2.4 Knowledge Representation
- 2.5 Classifications- Basic Methods
- 2.6 Decision Trees
- 2.7 Evaluation and credibility
- 2.8 Data mining and society, future directions