

# DOCUMENT TEMPLATE FOR STUDENT PROJECT IN DATA MINING

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## Abstract

This report outlines the contents for documenting the work done as - Data Mining project. This document has partly been based on IEEE standards and is inspired from other technical writing models. The document set is designed to showcase your learning and understanding of the tools used in doing this work; and also in detailing various practical aspects of data mining in a structured manner.

## Contents of the Documentation set

1. Introduction
  - a. Project Overview
  - b. Project Deliverables- must include the all concepts discussed in theory sessions.
2. Project Organization
  - a. Process Model: Outline of the work (Block diagram)
  - b. Role and Responsibility: - of the individuals in the team.
  - c. Tools and Techniques Used:- cleaning tools and mining tools.
- I. Project Management Plan
  - a) Tasks (1...n): what you have planned to do in each section. (section1: cleaning, section 2: mining)
  - b) Description of the plan
  - c) Data set Description
  - d) Deliverables and Milestones- give details
  - e) Dependencies and other constraints – with respect to the data set and deliverables.
- II. Requirement Specification
  - a. Hardware Requirement
  - b. Specific Requirements
    - i. User Interface
    - ii. Software Interface – – pros and cons along with explanation (of both sections)
    - iii. Other details regarding the tool if any.
  - c. About the Software: For Cleaning and Mining – write separately.
    - i. Introduction
    - ii. Reliability
    - iii. Availability
    - iv. Security
    - v. Maintainability
    - vi. Portability
    - vii. Performance
- III. Data base requirements
- IV. Design Specifications
  - a. Design Overview
  - b. Work Done
    - i. Chosen tool set: Pros and Cons
    - ii. Correlation
    - iii. Classification Models
    - iv. Clustering Model
    - v. Association and Correlation Model
    - vi. Data Visualization
- V. Modifications Done  
Use inputs from section II and IV to complete this.
- VI. Test Documentation
  - a. Features to be tested
  - b. Test cases
    - i. Case n
      1. Purpose
      2. Input
      3. Expected output
      4. Test procedure
  - c. Test Logs