ACC353 Accounting Analytics

Level: 3

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JULY

Synopsis:

ACC353 Accounting Analytics covers the application of data analytical methods and tools to assist accounting professionals in their analysis of accounting and other data. The course will equip the students with skills to integrate analytical methods with management and accounting knowledge. It will also enable them to understand Big Data and how it impacts accounting and business processes. The course will focus on analytics techniques for decision making and examining data in financial accounting, management accounting and auditing functions. Students will learn the basic knowledge and skills in selecting and applying software tools used in data analytics for accounting and related work.

Topics:

- Accounting data and Big Data
- Source, storage and evaluation of accounting data
- Data mining for accounting data
- Framework for financial reporting and analysis
- Analytics in financial accounting
- Framework for managerial and cost accounting analysis
- Analytics in managerial accounting
- Analytics in business and other accounting areas
- Framework for continuous auditing and monitoring
- Issues in accounting analytics
- Problem formulation for accounting analytics
- Comprehensive case study

Textbooks:

Richardson, V., Terrell, K. and Teeter, R.: Data Analytics for Accounting MCGRAW
ISBN-13: 9781260288407

Richardson, V., Terrell, K. and Teeter, R.: Data Analytics for Accounting MCGRAW
ISBN-13: 9781260288407-AA

Learning Outcome:

- Discuss how Big Data is created, collected, stored, and accessed by technology.
- Examine the veracity of sources of unstructured and structured data for use in analysis.
- Apply data analytics techniques to analyse financial statements and understand implications of accounting policy and company performance.
- Apply data analytics techniques to analyse cost accounting data and for creating measures of operational profitability and performance.
- Analyse accounting data to discover anomalies and identify potential control risks.
- Apply data analytics techniques to solve accounting and business related problems so as to improve business performance and make better decisions.
- Develop appropriate problem formulation for accounting and business data.
- Examine and differentiate the business risks and ethical issues related to data collection, storage, and use .
- Interpret and communicate the findings of accounting analytics to both specialists and non-specialists.
- Apply data analytic techniques to analyse financial accounting, management accounting, and audit datasets.
- Analyse case study and develop and solve analytical problems based on case study data.
- Use software packages to apply data analysis techniques.
- Develop the essential knowledge and interpersonal skills to work effectively in a team.
- Demonstrate written proficiency.

Continuous Assessment Component	**Weightage (%)**
PRE-COURSE QUIZ	2
PRE-CLASS QUIZ	2
PRE-CLASS QUIZ	2
GROUP BASED ASSIGNMENT	15
CLASS TEST	14
PARTICIPATION	15
Sub-Total	**50**

Examinable Component	**Weightage (%)**
Written Exam	50
Sub-Total	**50**

Weightage Total	**100**