

**BCom ACCOUNTS AND  
DATA SCIENCE**

**PROGRAMME AND  
COURSE OUTCOMES**

## BCom ACCOUNTS AND DATA SCIENCE

### Programme Outcomes

<b>PO1</b>	Demonstrate the aptitude of Accounts and Computer Application Skills and Computer based problem solving skills.
<b>PO2</b>	Display the knowledge of appropriate theory, practices and tools for the specification, design, and implementation
<b>PO3</b>	Ability to learn and acquire knowledge through online courses available at different MOOC Providers.
<b>PO4</b>	Ability to link knowledge of Accounts with Data Science and other auxiliary disciplines of study.
<b>PO5</b>	Display ethical code of conduct in usage of Internet and Cyber systems.
<b>PO6</b>	Ability to pursue higher studies of specialization and to take up technical employment
<b>PO7</b>	Ability to formulate, to model, to design solutions, procedure and to use software tools to solve real world problems and evaluate.
<b>PO8</b>	Ability to operate, manages, deploy, configure computer network, hardware, software operation of an organization.
<b>PO9</b>	Ability to present result using different presentation tools.
<b>PO10</b>	Ability to appreciate emerging technologies and tools.
<b>PO11</b>	Acquaint with the contemporary trends in industrial/research settings and thereby innovate novel solutions to existing problems
<b>PO12</b>	The ability to apply the knowledge and understanding noted above to the analysis of a given information handling problem.
<b>PO13</b>	The ability to work independently on a substantial project and as an effective team member.

## Course Outcomes

### Semester 1

<b>COURSE TYPE</b>	LANGUAGE COURSE I
<b>COURSE NAME</b>	LANGUAGE SKILLS
<b>COURSE CODE</b>	EN1111.3
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Master the language for personal and professional growth.
<b>CO2</b>	Acquire basic language skills through interactive classroom sessions.
<b>CO3</b>	Connect language with literature.

<b>COURSE TYPE</b>	ADDITIONAL LANGUAGE-I
<b>COURSE NAME</b>	GADYASAHITYAM
<b>COURSE CODE</b>	ML 1111.3
<b>CREDIT</b>	3
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	By getting to know the Malayalam novel, short story, essay, study, biography, autobiography, and travel experience, the various models of Malayalam prose are understood.
<b>CO2</b>	Students analyze the application possibilities of the language and thematic variations.
<b>CO3</b>	Ability to identify and evaluate the aesthetic features of prose literature by interacting with the cultural and social attitudes of the works.
<b>CO4</b>	Students acquire the ability to write good Malayalam through fluency, translation and essay writing. Gain creativity and application skills.

<b>COURSE TYPE</b>	COMMON COURSE - I
<b>COURSE NAME</b>	HINDI GADYA SAHITYA
<b>COURSE CODE</b>	HN 1111.3
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Understands the difference between different prose forms
<b>CO2</b>	Appreciates prose literature
<b>CO3</b>	Critically evaluates the prose forms
<b>CO4</b>	Elucidates lines from prose with reference to context.

<b>COURSE TYPE</b>	COMMON COURSE I
<b>COURSE NAME</b>	GRAMMAR, COMMUNICATION, POETRY, HISTORY OF SYRIAC LITERATURE
<b>COURSE CODE</b>	SR 1111.3
<b>CREDIT</b>	3
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Understands the different parts of speech
<b>CO2</b>	Construct effective conversations
<b>CO3</b>	Critically evaluate the poetic forms
<b>CO4</b>	Differentiate the features of literature of different ages

<b>COURSE TYPE</b>	FOUNDATION COURSE I
<b>COURSE NAME</b>	ENVIRONMENTAL STUDIES
<b>COURSE CODE</b>	COA 1121
<b>CREDIT</b>	2
<b>HOURS</b>	2
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember environmental policies
<b>CO2</b>	Understand different eco systems, environmental movements
<b>CO3</b>	Understand types of natural resources

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	FINANCIAL ACCOUNTING
<b>COURSE CODE</b>	COA 1131
<b>CREDIT</b>	3
<b>HOURS</b>	4
<b>COURSE OUTCOME</b>	
<b>CO1</b>	The students prepare the routine records of business
<b>CO2</b>	The students generate financial statements of sole proprietor, partnership and nonprofit entities
<b>CO3</b>	The students prepare financial statements from incomplete records

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	BUSINESS MATHEMATICS AND STATISTICS
<b>COURSE CODE</b>	COA 1132
<b>CREDIT</b>	3
<b>HOURS</b>	3
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Able to apply mathematical tools to solve general business problems.
<b>CO2</b>	Able to apply financial analysis with mathematical base.
<b>CO3</b>	Make students able to collect, tabulate and present business data.
<b>CO4</b>	Able to perform analysis and interpretation of business data.

<b>COURSE TYPE</b>	CORE COURSE - II
<b>COURSE NAME</b>	INTRODUCTION TO DATA SCIENCE
<b>COURSE CODE</b>	COA 1141
<b>CREDIT</b>	4
<b>HOURS</b>	6
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember data analytics life cycle
<b>CO2</b>	Understand Data pre-processing concepts
<b>CO3</b>	Apply probability theory for data analysis
<b>CO4</b>	Analyse data using worksheet
<b>CO5</b>	Evaluate formulas with Tables
<b>CO6</b>	Create charts for analysis

## Semester 2

<b>COURSE TYPE</b>	LANGUAGE COURSE III
<b>COURSE NAME</b>	ENGLISH GRAMMAR USAGE AND WRITING
<b>COURSE CODE</b>	EN1212.3
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Acquire good understanding of modern English grammar.
<b>CO2</b>	Write grammatically and idiomatically correct language.
<b>CO3</b>	Improve verbal communication skill.
<b>CO4</b>	Minimize mother tongue influence.

<b>COURSE TYPE</b>	ADDITIONAL LANGUAGE II
<b>COURSE NAME</b>	DRISYAKALAASAHAITYAM
<b>COURSE CODE</b>	ML 1211.3
<b>CREDIT</b>	3
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Understanding the relationship between literary works and the visual arts.
<b>CO2</b>	By observing the visual arts of Kerala, it is possible to find similarities and differences.
<b>CO3</b>	Awakens one's own artistic sensibilities and motivates one to practice and express oneself.
<b>CO4</b>	Willingness to engage in artistic endeavours such as writing, acting and directing.
<b>CO5</b>	Enhances appreciation and critical appreciation of art forms.

<b>COURSE TYPE</b>	COMMON COURSE - II
<b>COURSE NAME</b>	HIDI PADYA SAHITYA
<b>COURSE CODE</b>	HN 1211.3
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Understands the aesthetics of Ancient and modern poetry in Hindi

<b>CO2</b>	Appreciates the creativity of the poets
<b>CO3</b>	Critically evaluates the contribution of the poets to Hindi literature
<b>CO4</b>	Understands the development of poetry in Hindi

<b>COURSE TYPE</b>	COMMON COURSE - II
<b>COURSE NAME</b>	GRAMMAR, COMMUNICATION, PROSE, HISTORY OF SYRIAN PEOPLE IN INDIA
<b>COURSE CODE</b>	SR 1211.3
<b>CREDIT</b>	3
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Understands the grammatic functions
<b>CO2</b>	Develops communicative Syriac
<b>CO3</b>	Critically evaluates the prose of Syriac literature
<b>CO4</b>	Understands the development of relation between Indian culture and Syrian heritage

<b>COURSE TYPE</b>	FOUNDATION COURSE II
<b>COURSE NAME</b>	INTRODUCTION TO THE INDIAN CONSTITUTION & HUMAN RIGHTS
<b>COURSE CODE</b>	COA 1221
<b>CREDIT</b>	3
<b>HOURS</b>	2
<b>COURSE OUTCOME</b>	
<b>CO1</b>	Understand the system of political governance in India; appreciate the intent of the Framers of the Constitution and their understanding of Constitutional Values and role of Constitutional Institutions.
<b>CO2</b>	Learn the basic values of the Constitution of India as enacted in the Preamble, Fundamental Rights, Directive Principles of State Policy, and Fundamental Duties Chapter.
<b>CO3</b>	Understand the democratic values that govern the functioning of three arms of government and the ancillary institutions.
<b>CO4</b>	Appreciate the concepts underlying Indian federalism.
<b>CO5</b>	Develop an appreciation for Human Rights values

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	ADVANCED FINANCIAL ACCOUNTING
<b>COURSE CODE</b>	COA 1231
<b>CREDIT</b>	3
<b>HOURS</b>	3
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	The students apply accounting standards in recording and reporting of financial transactions and events
<b>CO2</b>	The students calculate depreciation in practical situation
<b>CO3</b>	The students prepare accounts of hire purchase system, Branch, Farm and Voyage

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	BUSINESS LAWS
<b>COURSE CODE</b>	COA 1232
<b>CREDIT</b>	3
<b>HOURS</b>	3
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Able to identify and understand the fundamental legal principles behind contractual agreements.
<b>CO2</b>	Able to appreciate the relevance of business laws to individuals and business organisations and the role of the laws in an economic, political and social context.
<b>CO3</b>	Able to develop in the students, acceptable attitudes and viewpoints with respect to business ethics and social responsibility.
<b>CO4</b>	Able to familiarise the students, exercise of proper professional and ethical responsibilities towards the potential clients and the legal system

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	DATA ANALYTICS USING PYTHON
<b>COURSE CODE</b>	COA 1241
<b>CREDIT</b>	4
<b>HOURS</b>	4
<b>COURSE OUTCOMES</b>	



<b>CO1</b>	Remember features of python
<b>CO2</b>	Understand the control flow statements
<b>CO3</b>	Understand NumPy and pandas library
<b>CO4</b>	Understand data structures
<b>CO5</b>	Understand visualization of variables
<b>CO6</b>	Create user defined modules

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	PYTHON PROGRAMING LAB
<b>COURSE CODE</b>	COA 1241.1
<b>CREDIT</b>	2
<b>HOURS</b>	3
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember features of python
<b>CO2</b>	Understand the control flow statements
<b>CO3</b>	Understand NumPy and pandas library
<b>CO4</b>	Understand data structures
<b>CO5</b>	Understand visualization of variables
<b>CO6</b>	Create user defined modules

## Semester 3

<b>COURSE TYPE</b>	LANGUAGE COURSE V
<b>COURSE NAME</b>	ENGLISH FOR CAREER
<b>COURSE CODE</b>	EN1311.1
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Introduce students to the language skills required for appearing in career oriented competitive examinations.
<b>CO2</b>	Develop cognitive, logical, verbal and analytical skills necessary to succeed in competitive examinations.
<b>CO3</b>	Provide the pattern of questions based on common models of competitive tests.
<b>CO4</b>	Help students to prepare for and appear in competitive examinations.

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	COA 1331
<b>COURSE CODE</b>	FUNDAMENTALS OF INCOME TAX
<b>CREDIT</b>	4
<b>HOURS</b>	4
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Acquire knowledge about the basic concepts of Income Tax and heads of income
<b>CO2</b>	Able to compute income from salary by considering allowances, perquisites and profit in lieu of salary
<b>CO3</b>	Able to compute income from house property
<b>CO4</b>	Able to determine taxable profit of business or profession.

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	CORPORATE ACCOUNTING AND AUDIT
<b>COURSE CODE</b>	COA 1332
<b>CREDIT</b>	4
<b>HOURS</b>	6
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Interpret the provisions in IAS and IFRS
<b>CO2</b>	Apply provisions of IFRS in similar situations

<b>CO3</b>	Prepares financial statements according to the format prescribed by the companies Act and IAS -1 Calculate EPS and related performance indicators from the balance sheets of listed companies
<b>CO4</b>	Prepares consolidated financial statements of group of companies by considering the adjustments. Appreciate the consolidated financial statements
<b>CO5</b>	List out the requirements of audit in companies, qualification and liabilities of company auditor.

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	DATABASE MANAGEMENT SYSTEM AND SQL
<b>COURSE CODE</b>	COA 1341
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember components, advantages and disadvantages of DBMS
<b>CO2</b>	Understand data processing concepts
<b>CO3</b>	Apply different normal forms to suitable databases
<b>CO4</b>	Analyse different data models
<b>CO5</b>	Understand relational calculus
<b>CO6</b>	Create queries for relational operations

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	DATA MINING CONCEPTS AND TECHNIQUES
<b>COURSE CODE</b>	COA 1342
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember fundamentals of data mining
<b>CO2</b>	Understand need for pre-processing
<b>CO3</b>	Understand data integration, transformation and reduction
<b>CO4</b>	Analyse classification and prediction models
<b>CO5</b>	Understand KNN and support vector machine
<b>CO6</b>	Create association rules

## Semester 4

<b>COURSE TYPE</b>	LANGUAGE COURSE VI
<b>COURSE NAME</b>	READINGS IN LITERATURE
<b>COURSE CODE</b>	EN 1411
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Familiarize with various genres of writing.
<b>CO2</b>	Able to effectively read and appreciate literature
<b>CO3</b>	Acquire critical thinking by reading between the lines

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	TAXATION LAW AND ACCOUNTS
<b>COURSE CODE</b>	COA 1431
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Able to compute capital gain and income from other sources
<b>CO2</b>	Able to determine Total income of individual, firms, co- operative society, company and HUF
<b>CO3</b>	Able to explain various income tax authorities and their powers.
<b>CO4</b>	Able to compare tax planning, tax management, tax evasion and tax avoidance.

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	COST ACCOUNTING
<b>COURSE CODE</b>	COA 1432
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	The students have better knowledge about different cost concepts
<b>CO2</b>	The students generate various cost accounting records
<b>CO3</b>	The students able to reconcile cost and financial profits.

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	APACHE HADOOP FOR DATA SCIENCE
<b>COURSE CODE</b>	COA 1441
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember advanced map reduce API concepts
<b>CO2</b>	Understand data processing in Hadoop
<b>CO3</b>	Apply Hive to YARN administration
<b>CO4</b>	Analyse Hadoop User Environment
<b>CO5</b>	Understand HDFS, NoSQL and Apache Spark
<b>CO6</b>	Create cluster management system using Apache Ambari.

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	DATA ANALYSIS WITH R
<b>COURSE CODE</b>	COA 1442
<b>CREDIT</b>	3
<b>HOURS</b>	2
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember primitives of R
<b>CO2</b>	Understand Basic Data Types, Data Structures, Control Structures, Functions
<b>CO3</b>	Apply large data set with R
<b>CO4</b>	Analyse data using R
<b>CO5</b>	Understand functional programming and operations
<b>CO6</b>	Create a R Package

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	R PROGRAMMING LAB
<b>COURSE CODE</b>	COA 1442
<b>CREDIT</b>	2
<b>HOURS</b>	3
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember primitives of R
<b>CO2</b>	Understand Basic Data Types, Data Structures, Control Structures, Functions
<b>CO3</b>	Apply large data set with R
<b>CO4</b>	Analyse data using R
<b>CO5</b>	Understand functional programming and operations
<b>CO6</b>	Create a R Package

## Semester 5

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	GOODS AND SERVICES TAX
<b>COURSE CODE</b>	COA 1531
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	The students have better knowledge about different GST concepts
<b>CO2</b>	The students generate Tax Statements for various business firms.
<b>CO3</b>	The students are able to become independent tax practitioners.

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	COMPUTERISED ACCOUNTING
<b>COURSE CODE</b>	COA 1532
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOME</b>	
<b>CO1</b>	The students have better knowledge about Computerised accounting.
<b>CO2</b>	The students get trained in tally software.
<b>CO3</b>	The students are able to become Tally professional who can also handle GST application in Accounts.

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	INTERNSHIP CUM PROJECT
<b>COURSE CODE</b>	COA 1533
<b>CREDIT</b>	4
<b>HOURS</b>	
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	The "Internship" aims at introducing the student to a range of professions and areas/functions within the company/organization.
<b>CO2</b>	The student might be engaged in a rotation program between different functions, might be invited to participate in seminars and training programs, or might join one or more managers and accompany them in an apprenticeship mode.
<b>CO3</b>	In the Internship the student's competencies are broadened through the activities he or she is engaged in.

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	DATA VISUALIZATION FOR ANALYSIS
<b>COURSE CODE</b>	COA 1541
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOME</b>	
<b>CO1</b>	Remember physical and abstract types
<b>CO2</b>	Understand Visualization, data maps, time series
<b>CO3</b>	Apply design for visualization
<b>CO4</b>	Analyse different data and image models
<b>CO5</b>	Evaluate exploratory data analysis
<b>CO6</b>	Understand text visualization

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	APPLIED PREDICTIVE ANALYTICS
<b>COURSE CODE</b>	COA 1542
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOME</b>	
<b>CO1</b>	Remember Mean, Standard Deviation, Skewness, Kurtosis, Rank-Ordered Statistics
<b>CO2</b>	Understand predictive analytics
<b>CO3</b>	Apply data for predictive modelling
<b>CO4</b>	Analyse measures of success for predictive models
<b>CO5</b>	Evaluate data visualisation for different dimensions
<b>CO6</b>	Create decision trees for modelling

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	MODELLING USING AMOS LAB
<b>COURSE CODE</b>	COA 1543
<b>CREDIT</b>	3
<b>HOURS</b>	2
<b>COURSE OUTCOME</b>	
<b>CO1</b>	Construct a data set for analysis
<b>CO2</b>	Create a data set for prediction

<b>COURSE TYPE</b>	OPEN COURSE
<b>COURSE NAME</b>	INTERNET AND WWW
<b>COURSE CODE</b>	COA 1551.2
<b>CREDIT</b>	4
<b>HOURS</b>	3
<b>COURSE OUTCOME</b>	
<b>CO1</b>	Remember network topologies
<b>CO2</b>	Understand modes of connecting internet
<b>CO3</b>	Understand WWW fundamentals
<b>CO4</b>	Understand browsers and search engines
<b>CO5</b>	Understand TCP/IP model
<b>CO6</b>	Remember benefits of web serve



## Semester 6

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	APPLIED COST ACCOUNTING
<b>COURSE CODE</b>	COA 1631
<b>CREDIT</b>	4
<b>HOURS</b>	6
<b>COURSE OUTCOME</b>	
<b>CO1</b>	The students are able to ascertain cost of different industries by using appropriate methods
<b>CO2</b>	The students have the skill to use cost accounting techniques for different managerial decisions.

<b>COURSE TYPE</b>	CORE COURSE I
<b>COURSE NAME</b>	MANAGEMENT ACCOUNTING
<b>COURSE CODE</b>	COA 1632
<b>CREDIT</b>	4
<b>HOURS</b>	6
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	The students able to prepare common size statement, comparative statement and Trend analysis.
<b>CO2</b>	The students calculate financial ratios and interpret the same
<b>CO3</b>	The students prepare cash flow and fund flow statements
<b>CO4</b>	Students apply various enterprise performance measurement tools.

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	STATISTICAL ANALYSIS SYSTEM SAS
<b>COURSE CODE</b>	COA 1641
<b>CREDIT</b>	3
<b>HOURS</b>	4
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember conditional statement assignments
<b>CO2</b>	Understand SAS data set structure and methods of reading data into SAS
<b>CO3</b>	Understand read and store data
<b>CO4</b>	Understand append and merge data set
<b>CO5</b>	Understand SAS support statements
<b>CO6</b>	Create permanent SAS data set using windows

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	SOCIAL MEDIA ANALYTICS
<b>COURSE CODE</b>	COA 1642
<b>CREDIT</b>	3
<b>HOURS</b>	4
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Remember web crawling, data aggregation
<b>CO2</b>	Understand foundations of analytics
<b>CO3</b>	Understand the analytics process
<b>CO4</b>	Analyse data integration tools
<b>CO5</b>	Understand types of analytics in social media
<b>CO6</b>	Create a plan to shape data

<b>COURSE TYPE</b>	CORE COURSE II
<b>COURSE NAME</b>	MAJOR PROJECT & VIVA
<b>COURSE CODE</b>	COA1643
<b>CREDIT</b>	4
<b>HOURS</b>	5
<b>COURSE OUTCOMES</b>	
<b>CO1</b>	Apply the knowledge gained through various courses
<b>CO2</b>	Understand structured team work and project management
<b>CO3</b>	Create technical documentation