Programme Outcomes (PO's) and Course Outcomes (CO's

Department of Business Practices

Specialization: Business Analytics

Programme: B.Com.

S. No.	On Completing B.Com. (Business Analytics) student will be able to:
PSO 1	Convert data into information using Business analytical tools such as Excel, R, SQL and Python to devise and evaluate decisions.
PSO 2	Transform domain knowledge of management functions to various contexts and environments in data analytics.
PSO 3	Develop business intelligence skills required in their professional career.
PSO 4	Proficiency to apply specialized knowledge and organize big data sets into meaningful structures.
PSO 5	Design and test advanced analytics models and simulations for decision-making.
PSO 6	Build a strong research foundation and detailed knowledge of various data analytical software and their application to real world cases.

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S.No.	Course/Year	Semester	Course Code	Subject Name
1	F.Y.B.Com.	1	10801C22	**Excel and Dashboarding for Managers**
2	F.Y.B.Com.	1	10802C22	**Introduction to Business Analytics**
3	F.Y.B.Com.	2	20803C22	**R**
4	F.Y.B.Com.	2	20804C22	**Python**

F.Y.B.Com. Semester 1			
Course Title	**Excel and Dashboarding for Managers**	**No. of Credits:04**	
Course Code	**10801C22**		
S. No.	**On Completing Excel and Dashboarding for Managers student will be able to:**	**PSOs Addressed**	**Cognitive Levels R,U, Ap, An, E,C**
CO 1	Describe and demonstrate the importance of MS Excel and its functionalities.	PSO1	U
CO 2	Identify, interpret, and explain the fundamentals concepts pertaining to Data Visualization and Storytelling.	PSO1,2	U, Ap, C
CO 3	Design, compose and employ the use of different chart and plots under MS Excel for Dashboard building.	PSO4	Ap, C
CO 4	Create and demonstrate the working of Interactive Dashboards using MS Excel Application.	PSO 4, 5	Ap, An, E, C
CO 5	Classify different techniques of Reporting, Sharing and Authorizations used in MS Excel with regards to Dashboards.	PSO6	An, E

Course Title	Introduction to Business Analytics	No. of Credits: 04	
Course Code	10802C22		
S.No.	On Completing Introduction to Business Analytics student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Understanding the importance of Business Analytics based on Structured, Unstructured and Hybrid Data Models and Types.	PSO2, 3	U
CO 2	Understanding the different models of Data processing based on OLAP, OLTP and Implementation of Business Intelligence, its framework, and applications.	PSO2, 3, 4	U
CO 3	Understanding the concepts of Data containers, Data Modelling Techniques and their integration based on Data Warehouses, Data Marts.	PSO4	U
CO 4	Implementing, deploying, and analyzing Measures, Metrics and Key Performance Indicators based on Analytics domain.	PSO4	Ap
CO 5	Understanding the importance of Reporting in Analytics environment and creating effective Reports based on Dashboards, Stories and Scorecards.	PSO2, 4,	U

F.Y.B.Com. Semester 2		
Course Title	R	No. of Credits: 04

Course Code	20803C22		
S.No.	On Completing R student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Identify and understand the basic command and arguments in R programming.	PSO 1, 2	U
CO 2	Describe and apply various techniques in descriptive statistics.	PSO 6	Ap
CO 3	Analyse and differentiate between measures of descriptive and inferential statistics.	PSO 2	U
CO 4	Assess economic scenarios by employing statistical techniques.	PSO 6	An

Course Title	Python	No. of Credits: 04	
Course Code	20804C22		
S.No.	On Completing Python student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Describe and demonstrate the importance of Python as a useful scripting language.	PSO 1, 2	U

CO 2	Identify and employ the use lists, tuples, and dictionaries in Python programs.	PSO 2	An
CO 3	Analyse the output of loops and decision statements in Python.	PSO 3	An
CO 4	Build the programs using functions and pass arguments in Python.	PSO 6	E, C
CO 5	Design and build object-oriented programs with Python classes.	PSO 5, 6	C