



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)
Approved by Government of Tamil Nadu & Accredited by NAAC with 'A++' Grade (3rd Cycle-3.64 CGPA)
Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.
Website: www.drngpasc.ac.in | Email: info@drngpasc.ac.in | Phone: +91-422-2369100

BoS

19th

DEPARTMENT OF COMMERCE BUSINESS ANALYTICS

BOARD OF STUDIES MEETING

The minutes of the 19th meeting of Board of Studies held on 10.11.2025 at 10.30 am

Members Present:

S.No.	Name	Category
1.	Dr.M.S.Ranjith Kumar Professor & Head of Department, Department of Commerce Business Analytics Dr.N.G.P. Arts and Science College, Coimbatore-641048	Chairman
2.	Dr. M. Sudhahar Associate Professor in Commerce Gobi Arts and Science College, Gobichettipalaym, Erode-638 453	University Nominee
3.	Dr.S.V Ramesh Assistant Professor, Department of Commerce, J.K.K. Nataraja College of Arts & Science, Komarapalayam-638 183	Subject Expert
4.	Dr.P.Nalini Dean- School of Business VET Institute of Arts and Science College, Thindal, Erode -638012	Subject Expert
5.	Mr. Raj Kumar Narayanasamy Senior Manager Analytics Infosys ,Tidel Park, Coimbatore-641012	Industrial Expert
6.	Ms. Harshitha Balaji, Joint Secretary of Baalaji Educational Trust, M.G.V. Global Academy School and Junior College (An ICSE & ISC School), Tirupur-641603	Alumni

7.	Dr.N.Kuppuchamy HoD, Professor Department of Tamil	Co-opted Member
8.	Dr.A.HazelVerbina Professor &HoD i/c Department of English	Co-opted Member
9.	Dr. R. Sowrirajan Assistant Professor and Head Department of Mathematics	Co-opted Member
10.	Dr.Nancy Sebastina.J Associate Professor	Member
11.	Dr.P. Kanagaraj Assistant Professor	Member
12.	Dr.T. Nathiya Assistant Professor	Member
13.	Ms.T.P Suvetha Assistant Professor	Member
14.	Subashini P III B.Com.(BA)	Student Representative – UG

The HoD/ Chairman of the Board of Studies Department of Commerce Business Analytics welcomed and introduced all the members and requested them for their support and contribution for the development of academic standard and enrichment of the syllabus.

Further, Chairman informed about the absence and following member requested to grant the leave.

1. Dr. S.V. Ramesh - Subject Expert

The items of the agenda were taken one by one for discussion and the following resolutions were passed.

Item 19.1: To review and approve the minutes of the previous meeting held on 28.06.2025

The chairman of the Board presented the minutes of the previous meeting held on 28.06.2025 and requested the members to approve. After brief discussion, the following resolution was passed.

Resolution:

Resolved to approve the minutes of the previous meeting held on 28.06.2025.

Item 19.2: To consider and the syllabus for the II Semester for the students admitted in UG from academic year 2025-26 onwards.

The chairman presented the scheme and syllabi for the II semester for the students admitted from the academic year 2025-26. The details of changes made also presented as follows.

Changes Made:

B.Com. Business Analytics		
Code	Course	Changes and reason
25BAU2CP	Python for Data Analytics	Based on the Suggestion of the Industrial expert Mr. Rajkumar Narayanasamy the following changes were incorporated: Introduced Python program for Multi-indexing.

After discussion, the following resolution was passed with the above changes and modifications.

Resolution:

Resolved to approve the scheme and syllabi for the II semester for the students admitted from the academic year 2025-26.

Item 19.3: To consider and approve syllabi for the IV Semester for students admitted in UG from the academic year 2024-25 onwards.

Code	Course	Changes and reason
24BAU4CA	Data Mining and Business Intelligence	Based on the Suggestion of the Industrial expert Mr. Rajkumar Narayanasamy the following changes were incorporated: Incorporate AI Models for BI in the Unit -V

The Chairman presented the detailed syllabi of IV semester for the students admitted from the academic year 2024-25.

After discussion, the following resolution was passed.

Resolution:

Resolved to approve the existing syllabi for the IV semester for the students admitted from the academic year 2024-25.

Item 19.4: To consider and approve syllabi for the VI Semester for students admitted in UG from the academic year 2023-24.

The Chairman presented the detailed syllabi for the VI semester for the students admitted from the academic year 2023-24. The details of changes made also presented as follows.

Changes Made:

Code	Course	Changes and reason
235BA1A6SP	STATISTICAL PACKAGE FOR DATA ANALYSIS	In accordance with the recommendation of University Nominee Dr. M. Sudhahar the following content were included: Program included - Defining variables, Labeling values and fixation of measurement scale

Discipline Specific Elective Courses:

Course Code	Course
235FI1A6DA	Investment Management
235CI1A6DA	Enterprise Resource planning
235CO1A6DA	Organizational Behaviour
235BI1A6DA	Retail Marketing
235FI1A6DB	Security Analysis and Portfolio Management
235CI1A6DB	Fundamentals of Informational Security
235CO1A6DB	Industrial Relations and Labour law
235BA1A6DB	Social Media Marketing

After discussion, the following resolution was passed with the above changes and modifications.

Resolution:

Resolved to approve the syllabi for the VI semester for the students admitted from the academic year 2023-24 onwards.

Item 19.5: To consider and approve the extra credit courses, self-study courses and other components as per UG regulation-5 (R5),

Item 19.6: To review and approve the courses offered by NPTEL that are equivalent to courses offered in our curriculum in the VI semester

The board discussed the course offered by NPTEL Research Methodology/ E- Business/ Organisational Behavior/ Security Analysis and Portfolio Management / Retail Marketing Strategy for credit transfer that are equivalent to course offered in our curriculum and Power BI in the SWAYAM PLUS for extra credit.

The Chairman presented the detailed syllabus of self-study for the III semester to the students admitted for the academic year 2025-26.

S.No.	Programme	Course Code	Course Name
1.	B.Com.(BA)	25BAUSSA	Brand Management
		25BAUSSB	Fundamentals of Banking

Resolution:

Resolved to approve the above self-study courses to earn extra credit for III semester for the students admitted during the academic year 2025-26.

Item 19.7: To consider and approve the Students Skill Development Courses (SSDC) for students in UG from the academic year 2025-26.

To strengthen global placement opportunities, a Memorandum of Understanding (MoU) was signed with L&T EduTech, Chennai, for the Certificate Course in Financial Statement Analysis, this course will be offered to interested students of the Faculty of Commerce from the academic year 2025-26 onwards.

Resolution:

The board resolved and approved the Students Skill Development Courses (SSDC) for students admitted in UG from the academic year 2025-26.

Item 19.8: To approve the panel of examiners for question paper setting, Question paper Scrutiny, conduct of practical and theory examinations are to be submitted to CoE for the academic year 2025-26.

The Chairman presented the panel of examiners for question paper setting, question paper scrutiny, conduct of practical and evaluation of answer scripts for the even semester of the academic year 2025-26.

Resolution:

Resolved to approve the panel of examination for question paper setting, Question paper scrutiny and conduct of practical and theory examinations are to be submitted to CoE for exam related work for the Even semester of the academic year 2025-26.

Item 19.9: *To consider and approve any other items brought forwarded by the chairman and the members of the board.*


The board discussed that a Memorandum of Understanding (MoU) was signed with Bajaj Finserv for skill development training through CSR initiatives to address global placement opportunities. This course will be offered to interested students of the Faculty of Commerce from the academic year 2025–26 onwards.

Resolution:

Resolved to approve the *Bajaj Finserv for skill development training through CSR*

Finally, the Chairman thanked all the members for their cooperation and contribution in enriching the syllabus with active participation in the meeting and sought the same spirit in the future also. The meeting was closed with formal vote of thanks proposed by Dr.M.S.RanjithKumar

Date:10.11.2025


(Dr.M.S.Ranjithkumar)
Board Chairman
BoS Chairman/HoD
Department of Commerce (BA)
Dr. N. G. P. Arts and Science College
Coimbatore – 641 048



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BoS

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Syllabus

Faculty: Commerce

Board: Commerce Business Analytics

Semester: II

Course Code/ Name: 25BAU2CP/ Python for Data Analytics

Ex. No.	List of Programs	Changes
1	Construct a python program to illustrate tuple methods and operations	
2	Construct a python program for list and perform the following methods Add items, len(), check for item in tuple ,Access items	
3	Write a python program to linear search and binary search	
4	Interpret the use of procedural statements like assignments, conditional statements	
5	Write a program using looping statements like for in and while statements	
6	Reading and Writing text and log files into python	Write a program for multi-indexing
7	Create a code to read a csv file using pandas module and print the first and last five lines of a file	
8	Perform data wrangling operations in python by using merge, Correlation functions, Concatenate and Reshape functions	
9	Create Pivot table and Cross Tabulation display as different types of charts in python.	
10	Demonstrate data model as student datasets in python.	
11	Create a Support Vector Machine learning algorithm using Iris Dataset	
12	Develop K -Nearest Neighbour classifier algorithm for Diabetes Dataset	

PERCENTAGE OF SYLLABUS REVISED (NEW): 3.33 %

COURSE FOCUSES ON:



Skill Development



Entrepreneurial Development



Employability



Innovations



Intellectual Property Rights



Gender Sensitization



Social Awareness/ Environment



Constitutional Rights/ Human Values/ Ethics



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Syllabus

Faculty: Commerce

Board: Commerce Business Analytics

Semester: IV

Course Code/ Name: 24BAU4CA / Data Mining and Business Intelligence

Unit	Syllabus	Changes
I	Basics of Data Mining Concepts Introduction to Data mining - Related technologies - Machine Learning-DBMS- OLAP- Statistics -Data Mining Goals - Stages of the Data Mining Process - Data Mining Techniques - Knowledge Representation Methods - Applications- Data Warehouse and OLAP - Data Warehouse and DBMS - Multidimensional data model - OLAP operations	
II	Data Preprocessing Data pre-processing- Data cleaning - Data transformation - Data reduction - Discretization and generating concept hierarchies - Installing Weka 3 Data Mining System- Data mining knowledge representation - Task relevant data - Background knowledge of different datasets. Case study in social media data Pre-processing.	
III	Attribute-Oriented analysis Interestingness measures - Representing input data and output knowledge - Visualization techniques- Attribute-oriented analysis - Casual Analysis -Attribute generalization - Attribute relevance - Class comparison - Statistical measures.	
IV	Business Performance Management Business Performance Management - Strategize – Plan – Monitor – Performance Measurement – BPM Methodologies – Performance Dashboards and Scorecards- Data Mining for Business Intelligence– Concepts and Definition – Applications – Process – Methods – Artificial Neural Networks – Data Mining Software Tools- SDLC Life cycle Case study in Supervised/ Unsupervised Learning through google.	
V	Business Intelligence Implementation Business Intelligence Implementation-Integration and Emerging Trends-AI Models for BI – Implement BI – BI and Integration – Connecting BI systems to Databases and other enterprise systems – On Demand BI – Issues of Legality, Privacy and Ethics Emerging Topics in BI Case study in Advertising channel for health care.	AI Models for BI

PERCENTAGE OF SYLLABUS REVISED : 1.79%

COURSE FOCUS ON:



Skill Development



Entrepreneurial Development



Employability



Innovations



Intellectual Property Rights



Gender Sensitization



Social Awareness/ Environment



Constitutional Rights/ Human Values/ Ethics



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Syllabus

Faculty: Commerce

Board: Commerce Business Analytics

Semester: VI

Course Code/ Name: 235BA1A6SP/Statistical Package for Data Analysis

Ex. No.	List of Programs	Changes
1	Create of questionnaire and data entry in Google form.	Collecting data in various methods Data Handling: Sort Cases, Split Cases, Transforming and Viewing Data Set
2	Opening an existing data file, Importing and Exporting the data Entering Data, Defining Variables, Saving Data	
3	Data Handling: Sort Cases, Split Cases, Transforming and Viewing Data Set	Defining variables Labeling values and measurement scale
4	Performing Frequency, Descriptive Statistics and Crosstabs using data set	
5	Describing the data in various graphical forms like Line Chart, Pie Chart, Bar Chart, Histogram, Box Plot, Scatter Diagram	
6	Performing Chi- Square test & Rank Analysis	
7	Performing t-Test (One Sample, Paired Sample and Independent Sample Test)	
8	Performing One Way ANOVA and Two-Way ANOVA	
9	Performing Correlation and Regression Analysis	
10	Execution of Factor Analysis	
11	Finding out Ratios using Financial Dataset	
12	Report Generation with interpretation for Primary and Secondary Data Analysis	

PERCENTAGE OF SYLLABUS REVISED : 24.19 %

COURSE FOCUSES ON:041



Skill Development



Entrepreneurial Development



Employability



Innovations



Intellectual Property Rights




Gender Sensitization



Social Awareness/ Environment



Constitutional Rights/ Human Values/ Ethics

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FACULTY OF COMMERCE

Name of the Board: Commerce Business Analytics

NINETEENTH BOARD OF STUDIES MEETING – ATTENDANCE

Date : 10.11..2025

Time : 10.30 am

S.NO.	NAME	POSITION	SIGNATURE
1	Dr.M.S.Ranjith Kumar HoD, Professor Department of Commerce with Business Analytics	Chairman	Present
2	Dr. M. Sudhahar Associate Professor of Commerce Gobi Arts and Science College, Gobichettipalayam,Erode-638 453	University Nominee	Present
3	Dr.S.V Ramesh Assistant Professor, Department of Commerce, J.K.K. Nataraja College of Arts & Science, Komarapalayam-638 183	Subject Expert	Absent
4	Dr.P.Nalini, Assistant Professor (Senior Grade) PSG Institute of Management, PSG College of Technology, Coimbatore-641004	Subject Expert	Present
5	Mr.Rajkumar Narayanasamy Project manager Analytics, Infosys limited, Coimbatore- 641012	Industrial Expert	Present
6	Ms. Harshitha Balaji, Joint Secretary of Baalaji Educational Trust, M.G.V. Global Academy School and Junior College (An ICSE & ISC School), Tirupur-641603	Alumni	Present

7	Dr.N.Kuppuchamy Professor &Head Department of Tamil	Co-opted Members	Present
	Dr.A.Hazel Verbina Professor & HoD i/c Department of English		Present
	Dr. R. Sowrirajan Assistant Professor and Head Department of Mathematics		Present
8	Dr.Nancy Sebastina.J Associate Professor	Member	Present
9	Dr.P.Kanagaraj Assistant Professor	Member	Present
10	Dr.T. Nathiya Assistant Professor	Member	Present
11	Ms.T.P. Suvetha Assistant Professor	Member	Present
12	Subashini P III B.Com.(BA)	Student Representative	Present



Dr.M.S.Ranjith Kumar
(BoS- Chairman)

BoS Chairman/HoD
Department of Commerce (BA)
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