



# DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai 600 106

## 1.1.3 LIST OF COURSES HAVING FOCUS ON EMPLOYABILITY/ENTREPRENEURSHIP/SKILL DEVELOPMENT DURING THE YEAR 2019-2020

SL. NO	NAME OF THE COURSE	COURSE CODE	EMPLOYABILITY/ ENTREPRENEURSHIP / SKILL DEVELOPMENT	COURSE OUTCOME
	<b>BA ECONOMICS (SHIFT I) - 01</b>			
1	MICRO ECONOMICS – I	1901101	Employability, Skill Development	The student will understand the basic economic concepts of demand, supply and elasticity which will provide him employment opportunities in the business world.
2	STATISTICS – 1	1901102	Skill Development	The student will develop basic skills in designing a questionnaire and tabulation of data.
3	ENTREPRENEURIAL DEVELOPMENT	1901103	Employability, Enterneurship	The student will understand the steps involved in starting a new venture and the assistance provided by the government.
4	PRINCIPLES OF MANAGEMENT	1901104	Employability	The student will be acquainted with the steps involved in the management of an organization and enhance his employment potential.
5	MICRO ECONOMICS – II	1901205	Employability	The student will know about cost, revenue and the functioning of markets and increase his employment potential
6	STATISTICS -II	1901206	Employability, Skill development	The student will acquire skills in forecasting and construction of index numbers
7	MARKETING	1901207	Employability, Enterneurship	The student will get employment opportunities in the marketing sector and learn about the basics of how to market his own product in his own business
8	BASIS OF CAPITAL MARKET	1901208	Employability	The student will be able to obtain employment in the financial sector.
9	INDIAN ECONOMIC DEVELOPMENT AND POLICY-I	1801309	Employability	The student will be understand about the Indian economy and obtain employment.
10	MONETARY ECONOMICS-I	1801310	Skill Development	The student will acquire skills in calculation of value of money and index numbers.
11	TOURISM AND ECONOMIC DEVELOPMENT	1801311	Employability	The student will understand about the functioning of the industrial sector in India and Tamilnadu economy and enhance his employment potential.
12	INDIAN ECONOMIC DEVELOPMENT AND POLICY-II	1801412	Employability	The student will understand about the functioning of the industrial sector in India and Tamilnadu economy and enhance his employment potential.
13	MONETARY ECONOMICS-II	1801413	Employability	The student will gain knowledge regarding the functioning of commercial banks and Reserve bank and increase his employment potential in the banking sector.
14	ELEMENTS OF INSURANCE	1801414	Employability	The student will learn about the features of the various Insurance policies and get employment as an Insurance Agent.
15	MACRO ECONOMICS - I	1701515	Employability, Skill development	The student will acquire skills in the methods of calculating National Income.
16	FISCAL ECONOMICS - I	1701516	Employability	The student gains knowledge regarding the various types of taxes.
17	INTERNATIONAL ECONOMICS - I	1701517	Employability	The student learns about tariffs and quotas and increases his employment potential.
18	MANAGERIAL ECONOMICS	1701519	Employability, Skill development	The student gains skills on how to price a product and prepare a capital budget.

  
**PRINCIPAL**  
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19	MACRO ECONOMICS - II	1701620	Employability	the student gains knowledge regarding the macro functioning of the economy
20	FISCAL ECONOMICS – II	1701621	Employability	The student learns about the different fiscal systems in the economy which enhances his employment potential.
21	INTERNATIONAL ECONOMICS – II	1701622	Employability	The student gains knowledge regarding the determination of exchange rate which improves his employment opportunity.
22	HUMAN RESOURCE MANAGEMENT	1701624	Employability	The student learns about the concepts of HRM which improves his employment prospects.
23	ENVIRONMENTAL ECONOMICS	1701623	Employability, Skill development	The student learns about methods of improving environment quality and develop skills to calculate subsidies.
	<b>B.A., ECONOMICS (SHIFT II) - 02</b>			
24	MICRO ECONOMICS-I	1902101	Skill Development, Entrepreneurship	The students developed the skill of analyzing the various aspects of consumer behavior and short run and long run production.
25	STATISTICS - I	1902102	Skill Development	The students will be aware of various statistical tools and statistical methods
26	PRINCIPLES OF MANAGEMENT	1902103	Employability, Skill Development	The students will be aware various management principles and the course ensures employability.
27	ECONOMICS OF TOURISM	1902104	Employability, Skill Development	The course promises employability in various sectors of tourism
28	MICRO ECONOMICS-II	1902205	Employability, Entrepreneurship	The students will gain knowledge on various cost concepts and different types of market structures
29	STATISTICS - II	1902206	Employability, Skill Development	The course enhances the employment opportunities of the students through various statistical concepts.
30	ENTREPRENEURIAL DEVELOPMENT	1902207	Entrepreneurship	The students will be encouraged to transform themselves into entrepreneurs by means of various governmental and non-governmental programmes.
31	COMPUTER AND ITS APPLICATIONS	1902208	Employability	The course offers working knowledge in different domains and promises employability on the completion of the course
32	MARKETING - I	1802309	Entrepreneurship	The students would gain both theoretical and practical knowledge on different concepts of marketing and also encourages the students to transform themselves into entrepreneurs.
33	MONETARY ECONOMICS	1802310	Employability	The course educates the students on the prevailing financial system in the country and also assures employability in the banking sector
34	CORPORATE ACCOUNTING	1802311	Employability	The students will have a basic understanding about the basics of corporate accounting procedures including handling accounts of insurance companies
35	MARKETING II	1802412	Employability, Skill Development	The students would gain both theoretical and practical knowledge on different concepts of marketing and also encourages the students to transform themselves into entrepreneurs.
36	MANAGERIAL ECONOMICS	1802413	Employability, Entrepreneurship	The students will gain practical knowledge about different concepts like demand forecasting and costing procedures.
37	COST ACCOUNTING	1802414	Employability, Skill Development	The students will theoretical and practical knowledge on different cost concepts



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38	MACRO ECONOMICS - I	1702515	Employability, Skill Development	The students will gain in-depth knowledge knowledge in different macro economic concepts and the working of the markets.
39	FISCAL ECONOMICS - I	1702516	Employability	The students will gain knowledge on different concepts of taxation and the course also ensures employability
40	INTERNATIONAL ECONOMICS - I	1702517	Skill Development, Entrepreneurship	The students will gain in-depth knowledge on various concepts of foreign trade
41	HUMAN RESOURCE MANAGEMENT	1702518	Employability, Skill Development	The students will gain knowledge on various practical concepts on job selection and recruitment.
42	INCOME TAX	1702519	Employability, Skill Development	The students will be well aware of various tax related concepts and enables them to attempt various competitive exams
43	MACRO ECONOMICS - II	1702620	Employability, Entrepreneurship	The students will gain in-depth knowledge knowledge in different macro economic concepts and the working of the markets.
44	FISCAL ECONOMICS- II	1702621	Employability	The students will gain knowledge on different concepts on the working of the economyand the course also ensures employability at an administrative level
45	INTERNATIONAL ECONOMICS - II	1702622	Employability, Entrepreneurship	The course educates the students on various international financial agencies and their working and enhances their job opportunities
46	ENTREPRENEURIAL DEVELOPMENT	1702623	Entrepreneurship	The students will be aware of various financial agencies and also encourages entrepreneurship amongst the students.
47	MANAGEMENT ACCOUNTING	1702624	Employability	The students will learn various management accounting concepts and promises employability at various accounting fi
<b>BBA - 03</b>				
48	ACCOUNTING FOR MANAGERS –I	1903101	Employability	<ul style="list-style-type: none"> <li>•Prepare Journal, ledger, trial balance and cash book</li> <li>•Prepare final accounts with adjustments</li> <li>•Classify errors and making rectification entries</li> <li>•Pass depreciation entries and prepare depreciation accounts</li> <li>•Prepare single and double entry system of accounting.</li> </ul>
49	PRINCIPLES OF MANAGEMENT	1903102	Employability	<ul style="list-style-type: none"> <li>• Describe nature, scope, role, levels, functions and approaches of management</li> <li>• Apply planning and decision making in management</li> <li>• Identify types of organization and its structure</li> <li>• Analyse appropriate recruitment and training practices in organization.</li> <li>• Explain co-ordination and control mechanisms in organisation</li> </ul>
50	CONSUMER BEHAVIOUR	1903104	Employability	<ul style="list-style-type: none"> <li>•Describe concepts underlying consumer behavior and relate consumer involvement &amp; decision making.</li> <li>•Identify &amp; outline the significance of motivation &amp; personality with consumer behavior</li> <li>•Identify &amp; outline the significance of Attitude, Culture with consumer behavior.</li> </ul>



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51	ACCOUNTING FOR MANAGERS –II	1903205	Employability	<ul style="list-style-type: none"><li>•Interpret cost sheet &amp; write comments</li><li>•Compare cost, management &amp; financial accounting</li><li>•Calculate fund flow and cash flow statements</li><li>•Evaluate marginal costing and its components</li><li>•Analyse the various ratio and compare it with standards to assess deviations</li></ul>
52	E - COMMERCE	1903208	Employability	<ul style="list-style-type: none"><li>•Outline e-commerce framework and its related terminologies.</li><li>•Understand planning and implementation of e-commerce business</li><li>•Discuss fundamental concepts underlying e-commerce.</li></ul>
53	BUSINESS COMMUNICATION	1903206	Skill Development	<ul style="list-style-type: none"><li>•Understand communication process and its barriers</li><li>•Identify non-verbal communication</li><li>•Develop oral communication skills &amp; conducting interviews</li><li>•Use managerial writing for business communication</li><li>•Identify usage of modern communication tools &amp; its significance for managers</li></ul>
54	FINANCIAL MANAGEMENT	1803309	Employability	<ul style="list-style-type: none"><li>•Understand the importance of finance and its source to operate the business</li><li>•Analysis the structure of capital and determine the debt and equity portion in business</li><li>•Know the cost incurred to the company to raise capital through long term sources</li><li>•Analyse ARR, IRR, NPV and PI</li><li>•Understand the concept of working capital and its importance in administration of finance in business.</li></ul>
55	MARKETING MANAGEMENT	1803310	Employability	<ul style="list-style-type: none"><li>•Understand the fundamental concepts of marketing and apply 4P's of marketing</li><li>•Apply and demonstrate the 4P's of marketing.</li><li>•Apply and demonstrate STP in marketing.</li><li>•Outline the concepts of buyer behavior, sales management techniques and sales forecasting method</li></ul>
56	HUMAN RESOURCE MANAGEMENT	1803312	Employability	<ul style="list-style-type: none"><li>•Understand basic concepts and importance of human resource management</li><li>•Provide insights on HR planning, recruitment, selection procedures in organization</li><li>•Identify remuneration and its components</li><li>•Understand role of trade union and dispute solving mechanisms</li><li>•Describe HR Audit, E-HRM and identify other recent trends in HRM.</li></ul>



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57	ADVERTISING MANAGEMENT AND SALES PROMOTION	1803416	Employability	<ul style="list-style-type: none"><li>•Discuss advertising concepts &amp; its implications</li><li>•Demonstrate concepts &amp; terminology in developing advertising copy</li><li>•Analyse &amp; select different types of advertising media</li><li>•Explain &amp; evaluate advertising agency, budget and its effectiveness</li><li>•Identify and classify sales promotion techniques – its implementation</li></ul>
58	BUSINESS STATISTICS	1803415	Employability	<ul style="list-style-type: none"><li>•Define different types of data for decision making</li><li>•Analyse the measures of central tendency</li><li>•Describe the statistics to solve business problems</li><li>•Discuss various types of data to solve corporate problems</li></ul>
59	BUSINESS TAXATION	1703518	Entrepreneurship	<ul style="list-style-type: none"><li>•Explain tax system in India</li><li>•Outline Income Tax Act 1961 inclusive underlying concepts &amp; definitions</li><li>•Outline Customs Act 1961 inclusive Types (Goods &amp; Custom duty) &amp; procedure.</li><li>•Discuss procedures involved in GST Registration and its issues</li><li>•Outline Tax audit and relevant taxation procedure</li></ul>
60	LEGAL ASPECTS OF BUSINESS	1703519	Entrepreneurship	<ul style="list-style-type: none"><li>•Outline companies Act and discuss incorporation of companies</li><li>•Understand contract act and its legal implications</li><li>•Identify different types of contract</li><li>•Outline sale of goods acts and discuss its legal framework</li></ul>
61	ENTREPRENEURIAL DEVELOPMENT	1703520	Entrepreneurship	<ul style="list-style-type: none"><li>•Outline concepts, factors, functions, classification of entrepreneurship</li><li>•Identify funding sources for entrepreneurship</li><li>•Identify business idea generation techniques and outline project report writing</li><li>•Discuss EDP and its functions</li><li>•Relate Economic growth and entrepreneurial development</li></ul>
62	SERVICES MARKETING	1703521	Employability	<ul style="list-style-type: none"><li>•Understand the concepts of service and growth of service sector.</li><li>•Apply the 7P's of service marketing.</li><li>•Understand service design and effective management of service marketing.</li><li>•Explain the service quality gaps.</li><li>•Demonstrate service marketing with specific sectors.</li></ul>
63	ORGANIZATION PSYCHOLOGY	1703312	Entrepreneurship	<ul style="list-style-type: none"><li>•Describe role of organization behavior</li><li>•Explain Motivation, its techniques and employee morale.</li><li>•Outline work environment and leadership theories</li><li>•Understand group dynamics</li><li>•Outline organization culture, climate and counseling</li></ul>



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64	BUSINESS ETHICS AND VALUES	1703623	Entrepreneurship	<ul style="list-style-type: none"> <li>•Understand significance of ethics &amp; values in business and outline role of CEO in business</li> <li>•Analyse types of ethical issues in business environment</li> <li>•Identify and relate internal ethics to business environment</li> <li>•Identify and relate external ethics to business environment and outline social audit</li> <li>•Discuss corporate social responsibility</li> </ul>
65	PERSONALITY DEVELOPMENT	1703624	Skill Development	<ul style="list-style-type: none"> <li>•Outline the pattern of thoughts, feelings and behavior</li> <li>•Enhance communication</li> <li>•Identify their personality</li> <li>•Balance EQ/IQ levels</li> <li>•Transform adolescence to adult stage</li> </ul>
<b>B.COM BANK MANAGEMENT - 04</b>				
66	PRINCIPLES OF FINANCIAL ACCOUNTING	1904101	Employability,Entrepreneurship, Skill Development	Enable learners to get theoretical and practical exposure in the financial accounting which develop the skill enhancement of students
67	BUSINESS MANAGEMENT	1904102	Employability,Entrepreneurship, Skill Development	Enhances the capability of decision making at personal and professional levels. – Makes students industry ready and develop various managerial and accounting skills for better professional opportunities
68	NME- BASICS OF BANKING AND INSURANCE I	1904104	Employability,Entrepreneurship, Skill Development	Thus, after completing their graduation learners develop a thorough understanding of the fundamentals in banking and insurance area.
69	ADVANCED FINANCIAL ACCOUNTING	1904205	Employability,Entrepreneurship, Skill Development	Enable learners to get theoretical and practical exposure in the financial accounting which develop the skill enhancement of students
70	THEORY OF MONEY AND BANKING	1904206	Employability,Entrepreneurship, Skill Development	The graduation learners develop a thorough understanding of the fundamentals in banking and insurance area.
71	NME-BASICS OF BANKING AND INSURANCE -II	1904207	Employability,Entrepreneurship, Skill Development	Thus, after completing their graduation learners develop a thorough understanding of the fundamentals in banking and insurance area.
72	CORPORATE ACCOUNTING AND BANK AUDIT	1804309	Employability,Entrepreneurship, Skill Development	Enables learners to get theoretical and practical exposure in the corporate accounting and bank audit which develop the skill enhancement of students
73	LEGAL SYSTEM IN BUSINESS	1804310	Employability,Entrepreneurship, Skill Development	Enhances the capability of decision making at personal and professional levels. – Makes students industry ready and develop various managerial skill in legal business and skills for better professional opportunities.
74	BANKING THEORY LAW AND PRACTICE	1804311	Employability,Entrepreneurship, Skill Development	The graduation learners develop a thorough understanding of the fundamentals in banking and insurance area.
75	ENTREPRENEURIAL DEVELOPMENT	1804312	Employability,Entrepreneurship, Skill Development	Enhances the Entrepreneurial abilities of the students and develops creativity for better functioning of the organisation and Familiarizes students with business planning in different types of entrepreneurs and the evolving concepts of entrepreneurial ship.

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76	COMPUTER APPLICATION IN BUSINESS	1804313	Employability,Entrepreneurship, Skill Development	Familiarizes students of E-Commerce infrastructure and the use of it in today's Digital age. • Gives knowledge of programming platform to students by use of VB scripting language • Enhances the use of Excel office productivity tools.
77	ADVANCED CORPORATE ACCOUNTING	1804414	Employability,Entrepreneurship, Skill Development	Enables learners to get theoretical and practical exposure in the advanced corporate accounting which develop the skill enhancement of students
78	FINANCIAL SERVICES AND BANCASSURANCE	1804415	Employability,Entrepreneurship, Skill Development	The graduation learners develop a thorough understanding of the fundamentals in financial services and bancassurance.
79	PRINCIPLES OF INSURANCE	1804416	Employability,Entrepreneurship, Skill Development	The graduation learners develop a thorough understanding of the principles of insurance
80	BANKING ADVANCES	1804417	Employability,Entrepreneurship, Skill Development	The graduation learners develop a thorough understanding of the advancement in banking sector
81	PRINCIPLES OF HUMAN RESOURCE MANAGEMENT	1804418	Employability,Entrepreneurship, Skill Development	On Successful completion of the course the student will be able to enhance the capability of decision making at personal and professional levels and also it makes students industry ready and develop various managerial and accounting skills for better professional opportunities.
82	ENVIRONMENTAL STUDIES	1813412	Employability,Entrepreneurship, Skill Development	On Successful completion of the course the student will be able to aware about waste management. And Exposes learners to the impact of Industrial development
83	MANAGEMENT ACCOUNTING	1704519	Employability,Entrepreneurship, Skill Development	Enables learners to get theoretical and practical exposure in the management accounting which develop the skill enhancement of students
84	INDIRECT TAXES	1704520	Employability,Entrepreneurship, Skill Development	On successful completion of the course the student will able to understand in-depth study on the various provisions of Indirect Tax
85	MARKETING	1704521	Employability,Entrepreneurship, Skill Development	The students gain knowledge about the promotion strategy and marketing skills
86	INVESTMENT MANAGEMENT	1704522	Employability,Entrepreneurship, Skill Development	Enhances the capability of decision making at personal and professional levels. – Makes students industry ready and develop various managerial and accounting skills for better professional opportunities.
87	VISUAL BASIC	1704523	Employability,Entrepreneurship, Skill Development	The students gain knowledge about the Payroll Processing and Inventory processing
88	COST ACCOUNTING	1704624	Employability,Entrepreneurship, Skill Development	Enables learners to get theoretical and practical exposure in the cost accounting which develop the skill enhancement of students
89	CUSTOMER RELATIONSHIP MANAGEMENT	1704625	Employability,Entrepreneurship, Skill Development	Enhances the capability of decision making at personal and professional levels. – Makes students industry ready and develop various managerial and skills for better professional opportunities in CRM
90	BANKING TECHNOLOGY AND PERSONALITY SKILLS	1704626	Employability,Entrepreneurship, Skill Development	The graduation learners develop a thorough understanding in various technology updating in Banking sector
91	MARKETING OF BANKING SERVICES	1704627	Employability,Entrepreneurship, Skill Development	On successful completion of the course students will able to understand the banking industry and develop various managerial and skills for better professional opportunities in Banking sector
92	INCOME TAX LAW AND PRACTICE	1704628	Employability,Entrepreneurship, Skill Development	On successful completion of the course the student will able to understand in-depth study on the Income Tax Provisions



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	<b>B.COM GENERAL - 05</b>			
93	FINANCIAL ACCOUNTING	1905101	Skill Development	To impart basic accounting knowledge as applicable to business.
94	BUSINESS ECONOMICS	1905102	Employability	To acquaint the students with the economic principles applicable to business.
95	BUSINESS MATHEMATICS - I	1908104	Skill Development	To impart basic knowledge on the application of mathematical techniques for decision making in business
96	NME - BASICS OF BANKING	1905103	Employability	To provide basic understanding on the various everyday banking practices to an individual
97	ADVANCED FINANCIAL ACCOUNTING	1905205	Skill Development	To impart knowledge on accounting and further focus on the accounting procedures applicable to various forms of business
98	BUSINESS LAWS	1905206	Employability	To provide an understanding of legal environment in which business is conducted.
99	BUSINESS MATHEMATICS - II	1908211	Skill Development	To understand the fundamentals of Business Mathematics and its application in business.
100	NME – PERSONAL INVESTMENT PLANNING	1905207	Employability	To gain insights on the various investment methods
101	CORPORATE ACCOUNTING I	1805309	Skill Development	To impart knowledge on accounting procedures and standards of Corporate Houses.
102	BANKING THEORY, LAW AND PRACTICE	1805310	Employability	To provide an understanding of legal environment in which business is conducted.
103	PRINCIPLES OF MANAGEMENT	1805311	Employability	To impart knowledge on the conceptual framework of business management.
104	BUSINESS COMMUNICATION	1805312	Employability	To develop effective business communication skills among students
105	BUSINESS STATISTICS & O.R - I	1808322	Skill Development	To gain insights on the application of statistics in business operations
106	CORPORATE ACCOUNTING II	1805413	Skill Development	To enable the students to understand the concept of accounting applicable to certain specific types companies.
107	COMPANY LAW	1805414	Employability	To enable the students to understand the legal environment of the corporate.
108	FINANCIAL SERVICES	1805415	Employability	To provide insights on the role of financial services in the development of the capital market and the economy of the country
109	PRINCIPLES OF MARKETING	1805416	Employability	To acquaint the students about the marketing framework as a means of meeting the needs of customers.



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110	BUSINESS STATISTICS & O.R - II	1808427	Skill Development	To gain insights on the application of statistics in business operations.
111	ENVIRONMENTAL STUDIES	18013412	Skill Development	To sensitize students on the issues facing threat to the environment and making them responsible citizens.
112	COST ACCOUNTING	1705517	Skill Development	To explain the basic concepts and the tools used in cost accounting.
113	PRINCIPLES OF FINANCIAL MANAGEMENT	1705519	Skill Development	To explain how finance constitutes the core of any company and emphasize on management of funds
114	PRACTICAL AUDITING	1705520	Employability	To enlighten the students on the various aspects of audit of business accounts.
115	HUMAN RESOURCES MANAGEMENT	1705623	Employability	To examine the various HR practices and techniques.
116	INCOME TAX LAW & PRACTICE I	1705521	Employability	To provide sound knowledge of the important provisions of the Income Tax and their application in solving problems on computation of income of an individual under various heads of income.
117	MANAGEMENT ACCOUNTING	1705622	Skill Development	To provide an understanding of the application of accounting techniques for management.
118	ENTREPRENEURIAL DEVELOPMENT	1705624	Entrepreneurship	To enable students in understanding the issues pertaining to setting up and running of business.
119	COMPANY LAW	1705623	Employability	To enable the students to understand the legal environment of the corporate.
120	INCOME TAX LAW & PRACTICE II	1705625	Employability, Entrepreneurship	To provide sound knowledge of the important provisions of the Income Tax and their application in solving problems on computation of income.
121	INDIRECT TAXES	1705626	Entrepreneurship	To provide basic knowledge of the important provisions of the Indirect Taxes.
	<b>B.COM CORPORATE SECRETARYSHIP - 06</b>			
122	FINANCIAL ACCOUNTING	1906101	Employability / Skill Development	At the end of the course the student will acquire the skill on classifying the errors and calculating the various methods depreciation and student will also increase his knowledge on Average due date, preparation of final accounts and single entry system through which he can seek employability.
123	BUSINESS MANAGEMENT	1906102	Entrepreneurship	At the end of the course the student will be able to develop the knowledge on basics of Company, formation of a company, Prospectus share capital and members of the Company through which the student can seek employability
124	MARKETING	1906103	Employability	At the end of the course the student will be able to understand the concept of Marketing, Market Environment and why the market has to be segmented and various ways of distributing the products and due to this the student will learn the behavior of the consumer by this he may seek employability
125	NME I - EVERYDAY BANKING	1906104	Skill Development	At the end of the course the student will be able to understand the basic concepts of Banking and its relevance to online banking through day to day basis



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126	ADVANCED FINANCIAL ACCOUNTING	1906205	Employability	At the end of the course the student will understand the accounting procedure for different kinds of business like branch, Royalty, Hire purchase Etc.
127	HUMAN RESOURCE MANAGEMENT	1906206	Skill Development	To familiarize students with various techniques in HRM that contributes to the overall effectiveness of the organization, to bring to the attention of the student the latest trends in managing human resources in an organization
128	BUSINESS COMMUNICATION	1906207	Skill Development	At the end of the programme the student will get exposure to business writing, preparation of reports and presentation.
129	NME II - FUNDAMENTALS OF INSURANCE	1906208	Employability	At the end of the course the student will be able to explore his knowledge about various insurance practices with different insurance companies
130	CORPORATE ACCOUNTING	1806309	Employability / Skill Development / Entrepreneurship	To familiarize students with the accounting treatment for issue of shares and debentures to run the company with the long term sources of fund, to Enable the students to prepare financial statements of joint stock companies, to understand the procedure for valuing the good will and shares of companies to acquire a business
131	COMPANY LAW AND SECRETARIAL PRACTICE - I	1806310	Employability / Skill Development / Entrepreneurship	At the end of the course the student will be able to understand the regulation of registered companies and to provide thorough understanding of the various provisions of the Indian Company law, to provide conceptual understanding of the cases of the company law
132	STATISTICS - I	1806311	Skill Development	To introduce basic concepts of Statistics, to provide statistical techniques for business data analysis
133	CORPORATE FINANCIAL REPORTING	1806412	Skill Development	To enable the student to analyze the financial statement, to understand advanced concepts in accounting and finance to understand the accounting procedure for amalgamation of companies in the nature of merger or purchase
134	COMPANY LAW AND SECRETARIAL PRACTICE - II	1806413	Employability / Skill Development / Entrepreneurship	To enable the students to appreciate the contribution made by management thinkers towards the basic principles and functions of Management, to provide opportunities apply the general functions of management in day to day managerial practice
135	STATISTICS - II	1806414	Skill Development	The student will be able to understand the Statistical techniques for business data analysis
136	COST ACCOUNTING	1706515	Employability / Skill Development	To familiarize the students and the importance of cost ascertainment, reduction and control, to develop the skills needed to apply costing techniques for each element of cost, to help students to understand the procedures to calculate the cost of the product and services
137	BANKING – THEORY, LAW & PRACTICE	1706516	Employability / Skill Development	To expose the students to various concepts Indian banking system, to make the students understand the provision of the banking regulation act 1949
138	INCOME TAX LAW AND PRACTICE - I	1706517	Skill Development	To familiarize the students with the basic concepts of Income tax, to enable the student to compute income from salaries, house properties and business or profession



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139	COMMERCIAL LAW	1706518	Entrepreneurship	To assist the students to learn the elements of general contract, to enable the students to understand and deal with various contract in his/her day to day life be it for business or profession, to enable the students to learn and understand the special contracts
140	ENTREPRENEURIAL DEVELOPMENT	1706519	Entrepreneurship	To familiarize the students with the requisites needed for being a successful entrepreneur, to identify the stages involved in the setting of small business unit and to motivate the student to start self-employment
141	MANAGEMENT ACCOUNTING	1706620	Employability / Skill Development	To understand and analyze financial statement to help in managerial decision making, to prepare statements like cash flow and fund flow, budget etc so as to assist the management to take meaningful and correct decision
142	INDUSTRIAL LAWS	1706621	Employability	To familiarize the students with various labor legislations, to expose the students' legislations relating to welfare of worker
143	INCOME TAX – LAW AND PRACTICE - II	1706622	Skill Development	To enable a student to understand the remaining part of different heads of income, to enable a student to find taxable income
144	GOODS AND SERVICES TAXES AND CUSTOMS LAW	1706623	Skill Development / Entrepreneurship	To enable a student to examine the provisions of GST laws for tax planning, student will relate to the impact of GST on the business sector
	<b>BCA - 07</b>			
145	FUNDAMENTALS OF DIGITAL ELECTRONICS	1907101	Employability, Skill Development	1. Express basic concepts and logic circuits. 2. Capable to design different types of digital logic circuit.
146	PROBLEM SOLVING TECHNIQUES	1907102	Employability, Skill Development	1. Distinguish Relevant and Non-Relevant data 2. Recognize Explicit and Tacit assumptions 3. Explore new Possibilities
147	NME - I CONTEMPORARY MANAGEMENT SKILL	1907103	Skill Development	1. Describe the nature of different types of managerial approaches adopted by organisations in contemporary time 2. Understand the purpose of different types of contemporary managerial approaches 3. Examine the different ways that organisations can implement these contemporary managerial approaches in the workplace
148	INTROUCTION TO C++ PROGRAMMING	1907205	Employability, Skill Development	1. Understand the difference between the top-down and bottom-up approach 2. Apply the concepts of object-oriented programming 3. Illustrate the process of data file manipulations using C++
149	MICROPROCESSOR AND ITS APPLICATIONS	1907206	Employability, Skill Development	1.1. Understand the architecture of 8085 and 8086. 2. Impart the knowledge about the instruction set. 3. Understand the basic idea about the data transfer schemes and its applications
150	NME - II LOGICAL AND ANALYTICAL REASONING	1907207	Skill Development	1. Active learning design principles are evident in each lesson. 2. Students will be expected to actively do mathematics—such as analyzing data, constructing, hypotheses, solving problems, reflecting on their work, and making connections.



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151	JAVA PROGRAMMING	1807309	Employability, Skill Development	1. Use an integrated development environment to write, compile, run, and test simple object-oriented java programs. 2. Read and make elementary modifications to Java programs that solve real-world problems. 3. Be able to create an application using string concept. 4. Be able to create a program using files in application. 5. Be able to create an Applet to create an application. 6. Identify and fix defects and common security issues in code.
152	DATA STRUCTURES	1807310	Employability, Skill Development	1. Understand and remember algorithms and its analysis procedure. 2. Introduce the concept of data structures through ADT including List, Stack, Queues. 3. To design and implement various data structure algorithms. 4. To introduce various techniques for representation of the data in the real world. 5. To develop application using data structure algorithms.
153	GRAPHICS AND MUTIMEDIA	1807311	Employability, Skill Development	1. To introduce the use of the components of a graphics system and become familiar with building approach of graphics system components and Algorithms. 2. Ability to understand how the choice of data structures and the algorithm design methods impact the performance. 3. Apply the concepts multimedia in various circumstances
154	PYTHON PROGRAMMING	1807414	Employability, Skill Development	1. Be able to design and program Python applications. 2. Be able to create loops and decision statements in Python. 3. Be able to work with functions and pass arguments in Python. 4. Be able to build and package Python modules for reusability. 5. Be able to read and write files in Python
155	OPERATING SYSTEMS	1807415	Employability, Skill Development	1. To understand the main components of an OS & their functions. 2. To study the process management and scheduling. 3. To understand various issues in Inter Process Communication (IPC) and the role of OS in IPC. 4. To understand the concepts and implementation Memory management policies and virtual memory. 5. To understand the working of an OS as a resource manager, file system manager, process manager, memory manager and I/O manager and methods used to implement the different parts of OS.
156	SOFTWARE ENGINEERING	1807416	Employability, Skill Development	1. To introduce the students to a branch of study associated with the development of a software product. 2. To gain basic knowledge about the pre-requisites for planning a software project. 3. To gain knowledge about the project scheduling concept in software engineering. 4. To learn how to design of software. 5. To enable the students to perform testing of a software



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157	DATABASE MANAGEMENT SYSTEMS.	1707519	Employability, Skill Development	<p>1.To understand the different issues involved in the design and implementation of a database system. 2.To study the physical and logical database designs, database modeling, relational, hierarchical, and network models3.To understand and use data manipulation language to query, update, and manage a database</p> <p>4.To develop an understanding of essential DBMS concepts such as: database security, integrity, concurrency.5.To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a DBMS.</p>
158	COMPUTER NETWORK	1707520	Employability, Skill Development	<p>1. To develop an understanding of modern network architectures from a design and performance perspective. 2.To introduce the student to the major concepts involved in wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs).</p> <p>3.To clarify network terminology.</p> <p>4.To provide an opportunity to do network programming using TCP/IP.</p> <p>5.To give the students experience working in programming teams.</p> <p>6.To provide a WLAN measurement experience.</p> <p>7.To expose students to emerging technologies and their potential impact.</p>
159	COMPUTER GRAPHICS	1707521	Employability, Skill Development	<p>1.To introduce the use of the components of a graphics system and become familiar with building approach of graphics system components and Algorithms 2Apply the co.ncepts of color models</p> <p>3 Explain the core concepts of Computer Graphics</p>
160	ELECTIVE I SOFRWARE ENGINEERING	1707522	Employability, Skill Development	<p>1.To introduce the students to a branch of study associated with the development of a software product.2.To gain basic knowledge about the pre-requisites for planning a software project.</p> <p>3.To gain knowledge about the project scheduling concept in software engineering.</p> <p>4.To learn how to design of software.</p> <p>5.To enable the students to perform testing of a software</p>
161	ELECTIVE 1 OBJECT ORIENTED ANALYSIS AND DESIGN	1707522	Employability, Skill Development	<p>1.Discuss and elaborate the concept of OOAD. 2.Describe the object-oriented approach to system development, modeling objects, relationships and interactions.</p> <p>3. Use the class design for creating software</p> <p>4.Use case studies of object orientation on testing for software development</p>



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162	ELECTIVE 1 DATA MINING	1707522	Employability, Skill Development	1. To introduce students to the basic concepts and techniques of Data Mining. 2. To develop skills of using recent data mining software for solving practical problems. 3.To gain experience of doing independent study and research. 4. Develop and apply critical thinking, problem-solving, and decision- making skills. 5.Develop and apply enthusiasm for learning. Class participation is encouraged in this course.
163	.NET PROGRAMMING	1707625	Employability, Skill Development	1.Set up a programming concept using the basic knowledge of HTML2.To learn the data types, different controls inVB.NET 3.Creating ASP.Net applications using standard .net controls to develop a data driven web application for connecting to data sources and managing them.4.To maintain session and controls related information for user used in multi-user web applications.5.To Understand the fundamentals of developing modular application by using object oriented methodologies6.Course outcome s: At the end of course, the student will be able
164	PHP PROGRAMMING	1707626	Employability, Skill Development	1.Understand the usage of PHP and MySQL in dynamic web development.2.Understand PHP language data types, logic controls, built-in and user-defined functions 3.Be able to setup and configure MySQL, PHP, Apache web server development environment. 4.Select, insert, update and delete data using SQL language. 5.Understand Object oriented programming paradigm in PHP. 6.Build a simple, yet functional web application using PHP/MySQL
165	DESIGN AND ANALYSIS OF ALGORITHMS	1707627	Employability, Skill Development	1.Ability to analyze the performance of algorithms.2. Ability to choose appropriate algorithm design techniques for solving problems. 3.To clear up troubles the usage of set of rules design methods including the grasping approach, divide and overcome, dynamic programming, backtracking and department and certain
166	ELECTIVE 2 MOBILE COMPUTING	1707628	Employability, Skill Development	1.Able to create Applications for Smart Phones.2.Able to integrate mobile applications with cloud applications



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167	ELECTIVE 2 CLIENT-SERVER COMPUTING	1707628	Employability, Skill Development	1.Understand the concept of client-server model.2.Able to problem solving skills through design scenario.3.Understand the concepts of decentralized networks.
168	ELECTIVE 2 OPERATION RESEARCH	1707628	Employability, Skill Development	1.To get in-depth Knowledge about the evolution of operations research and its Features.2. Understand the characteristics of OR 3.How to apply OR in industry 4.Understanding how OR helps in decision making
	<b>B.SC., MATHEMATICS - 08</b>			
169	CLASSICAL ALGEBRA	1908101	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)Use binomial, exponential and logarithmic series and solve related problems. (ii)Know about various methods to find the roots of the polynomial equations. (iii)Develop the skills of the students in the area of matrices
170	DIFFERENTIAL CALCULUS	1908102	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)To obtain problem solving skills in derivatives in real life application. (ii)To identify and solve problems on derivatives in both Cartesian and polar coordinates with application.
172	TRIGONOMETRY	1908208	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)Acquire the knowledge of circular and hyperbolic trigonometric functions. (ii)Apply various methods to solve problems on summation of series
173	INTEGRAL CALCULUS	1908209	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)Use appropriate tools of Integral Calculus in solving applied problems. (ii)Understand the application of definite integral.
174	DIFFERENTIAL EQUATIONS	1808317	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)Estimate first order and higher order ordinary differential equations using appropriate methods. (ii)Identify and obtain the solutions for PDE of standard types.
175	NUMERICAL METHODS I	1808319	Skill Development	The Student will be able to acquire the skill to (i)Solve real world problems using various numerical approximation techniques. (ii)Approximate using various interpolation techniques and solve numerically linear system of equations.
176	NUMERICAL METHODS II	1808424	Skill Development	The Student will be able to acquire the skill to (i)Solve real world problems using interpolation. (ii)Solve Calculus problems by numerical approximation techniques.



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177	VECTOR CALCULUS AND ANALYTICAL GEOMETRY OF THREE DIMENSIONS	1808422	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)Exhibit in depth the analytical and critical thinking. (ii)Identify, formulate and solve real world problems.
178	DISCRETE MATHEMATICS	1708530	Skill Development	The Student will be able to acquire the skill (i)To summarize the notion of mathematical thinking and algorithmic thinking. (ii)To write and evaluate a proof or outline the basic structure of and give examples. (iii)To define how graph serve as models for many standard problems by classifying as graphs, trees, Euler graph, cut set.
179	OPERATIONS RESEARCH-I	1708531	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)Improve capabilities in the students for understanding and analyzing different kind of situations in the real-world (ii)Involve limited resources and find the optimal solution within the constraints.
180	OPERATIO RESEARCH II	1708636	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)To aim at improving capabilities of the students for understanding and analyzing different kind of situations in the real-world. (ii)To cover some analytical methods like sequencing, inventory methods, replacement models to help to make them better decisions.
181	ALGEBRAIC STRUCTURES	1708527	Employability	The Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. (i)To demonstrate understanding of the relationships between abstract algebraic structures with familiar numbers systems such as the integers and real numbers. (ii)To produce rigorous proofs of propositions arising in the context of abstract algebra
	<b>B.SC., PHYSICS - 09</b>			
182	MECHANICS AND PROPERTIES OF MATTER	1909101	Employability	The students who undergo this course are successfully bound to get a better insight and understanding of laws of motion, mechanical behavior and properties of matter.
183	THERMAL PHYSICS AND ACOUSTICS	1909204	Employability	This introductory course helps the students, i.e. the study of thermal physics forms one of the core foundation of modern Physics. Acoustics helps the students to understand the significant of sound in many fields like medicine, geology etc.
184	OPTICS	1809309	Employability	This course will enable the students to use the principle of wave motions and superposition to explain the physics of interference, polarization and diffraction.
185	ATOMIC PHYSICS	1809411	Employability	This course provides the coherent and concise coverage of the atomic structure, spectra and the applications related to their studies.
186	ELECTRICITY AND ELECTROMAGNETISM	1709515	Employability	The aim of this course is to acquire knowledge about chemical effects of electric current and understand various circuit laws.th students get strong foundation in magnetism and apply it in the related fields.



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187	MATHEMATICAL METHODS IN PHYSICS	1709516	Employability	This course prepares the students to use mathematical tools like vectors, matrices and special functions to solve various physical phenomena. also educate them with necessary classical dynamics concepts.
188	SOLID STATE PHYSICS	1709517	Employability	On taking this course the students will be able to learn and assimilate the fundamental concepts of crystal structure, the behavior of dielectrics and magnetic materials
189	BASIC ELECTRONICS	1709518	Employability/Entrepreneurship	By studying this course the students will acquire the theoretical and practical knowledge on semiconductor devices and their working.
190	APPLIED ELECTRONICS	1709519	Employability/Entrepreneurship	This course help the students to gain basic ideas of the construction and working of digital electronic devices/ circuits. The students will understand the fundamentals of communication systems and able to design circuits for solving problems.
191	RELATIVITY AND QUANTUM MECHANICS	1709620	Employability	This course will enable the students to get familiar with relativity concepts and quantum mechanical formulations. This basic course will form a firm basis to understand quantum exactly solvable problems.
192	NUCLEAR AND PARTICLE PHYSICS	1709621	Employability	This course will enable the students to gain an insight of the theories of nuclear structure and radioactivity the students will gain knowledge about various nuclear reactions and their applications.
193	DIGITAL ELECTRONICS	1709622	Employability/Entrepreneurship	By studying this course the students will be able to learn fundamentals of Boolean algebra, synthesis of Boolean functions, combination and sequential circuits.
194	MICROPROCESSOR FUNDAMENTALS	1709623	Employability/Entrepreneurship/Skill Development	At the end of this course the students are expected to assimilate the basic concepts of microprocessor.
195	ALLIED PHYSICS I - ( FOR B.SC CHEMISTRY STUDENTS)	1809310	Employability	They possess basic knowledge of programming instructions and interfacing concepts. Tghey can demonstrate relevant generic skills and global competencies such as problem-solving skills and tackle open ended problems.
196	ALLIED PHYSICS II - ( FOR B.SC CHEMISTRY STUDENTS)	1809412	Employability	This course allows the students to have a systematic understanding of the basic concepts of modern Physics and its linkages with related disciplinary areas such as quantum Physics , semiconductor physics etc.
197	ALLIED PHYSICS I - ( FOR B.SC MATHS STUDENTS)	1909102	Employability	After completing this course the students will have coherent understanding of basic principles of physics, its different learning areas and applications in fundamental concepts.
198	ALLIED PHYSICS II - ( FOR B.SC MATHS STUDENTS)	1909205	Employability	This course allows the students to have a systematic understanding of the basic concepts of modern Physics and its linkages with related disciplinary areas such as quantum Physics , semiconductor physics etc.
199	PHYSICS IN EVERYDAY LIFE – I	1909103	Employability/Skill Development	By studying this course the students will be able to demonstrate relevant generic skills in understanding the facts and ideas on various concepts of Physics.
200	PHYSICS IN EVERYDAY LIFE – II	1909206	Employability/Skill Development	After completing this course the student will gain confidence in relating the law of nature and daily life.



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201	CORE PRACTICAL I	1909207	Skill Development	This course opens the window to the students about the methods of experimental Physics. It also helps to demonstrate the ability to use skills in physics and its related areas of technology.
202	CORE PRACTICAL II	1809413	Skill Development	On taking this course the students will be able to plan and execute optics, electricity and magnetism related experiments. They will gain confidence to investigate, analyze and interpret the information collected in the experiments.
203	CORE PRACTICAL III	1709624	Skill Development	This course opens up the design of concepts of light, electricity and magnetism that are learnt in the theory, providing hands on experience to the students .
204	CORE PRACTICAL IV	1709625	Skill Development	At the end of this course the students acquire the practical knowledge to design basic electrical circuits, digital electronics circuitry etc.
205	CORE PRACTICAL V	1709626	Skill Development	This course provide the practical knowledge to the students to design electronic circuits using operational amplifier, microprocessor and related software.
206	ALLIED PHYSICS PRACTICALS- ( FOR B.SC CHEMISTRY STUDENTS)	1809414	Skill Development	This course helps the students to plan and execute Physics related experiment, analyze and interpret the data collected using appropriate methods
207	ALLIED PHYSICS PRACTICALS- ( FOR B.SC MATHS STUDENTS)	1909208	Skill Development	This course helps the students to plan and execute Physics related experiment, analyze and interpret the data collected using appropriate methods
<b>B.SC., CHEMISTRY - 10</b>				
208	ALLIED CHEMISTRY – I	1610410	Employability/Skill Development	Demonstrate the usage of various types of preservatives to preserve the specimens and explain the environmental pollutions like water pollution, soil pollution, air pollution and its adverse effects. Analyze the water quality and convert hard water into soft water from the concepts of zeolite, reverse osmosis and demineralization processes.
209	ALLIED CHEMISTRY – II	1610412	Employability/Skill Development	Demonstrate the usage of various types of chromatographic separations and purification techniques used in industries. Also understand the calorific values of fuels and food adulteration. Aware of the adverse effects of preservatives. Analyze the various chemicals present in the plants and their utility as medicine. Analyse the various adulterants present in food.
210	ANALYTICAL CHEMISTRY	1710517(A)	Employability/Skill Development	This course is offered for students to have exposure to the Laboratory safety practices, Instrumental techniques. The student gets clear idea about the principle and Instrumentation of various techniques which are most useful in chemical Industries.
211	APPLIED CHEMISTRY	1710622(A)	Employability/Entrepreneurship /Skill Development	Students acquire well developed knowledge in various aspects of applied chemistry like nano-chemistry and their characterization techniques like SEM, TEM, XRD etc. This course will bring in the values of medicinal plants and various pharmaceutical drugs available in the industry.
<b>B.SC., BIOCHEMISTRY - 11</b>				



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212	BASICS OF MEDICAL TERMINOLOGIES	1911103	Employability/Skill Development	Apply Medical Terms in Health Sectors or Medical Reports preparation.  Analyze The Functions of Different Parts of Human body.  Interpret Normal Values Of Metabolic Parameters in laboratory diagnosis.
213	CELL BIOLOGY	1911204	Employability/Skill Development	Comprehend the structure of prokaryotic and eukaryotic cells and function of their cell organelles.  Understand the structure, composition and function of cytoskeleton and extracellular matrix.  Explain the ultrastructure of biomembrane and the transport mechanism displayed by it.
214	CHEMISTRY II	1911205	Employability/Skill Development	Realize the concepts of chemistry of coordination compound and Bio inorganic chemistry.  Apply the knowledge gained in Industry related Jobs. understand and apply concept of ionic equilibria, salt hydrolysis and buffer solution.
215	PLANT BIOACTIVE COMPOUNDS IN TRADITIONAL MEDICINE.	1911206	Skill Development	Discuss the plants used in traditional medicine of Ayurveda, siddha, Unani and Greek medicine.  Identify the plants used in the treatment of diabetes, arthritis and immune modulation.  Analyse the plants with different biochemical techniques
216	CHEMISTRY OF BIOMOLECULES	1811309	Employability/Skill Development	Comprehend the structure of prokaryotic and eukaryotic cells and function of their cell organelles. Understand the structure, composition and function of cytoskeleton and extracellular matrix Explain the ultrastructure of biomembrane and the transport mechanism displayed by it.
217	MICROBIOLOGY - I	1811310	Employability/Skill Development	Understand about the microorganisms and its nature.  Demonstrate staining procedures.  Measure the growth of microorganisms and apply the knowledge in food , Water industry.



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218	BIOCHEMICAL TECHNIQUES	1811411	Employability/Entrepreneurship /Skill Development	separate biological sample by centrifugation and separate sub cellular organelles by differential centrifugation acquiring analytical skills to separate amino acids and sugar using paper and thin layer chromatography. assay biochemical parameters using UV spectroscopy and spectrofluorimetry, electrophoresis.
219	MICROBIOLOGY - II	1811412	Employability/Entrepreneurship /Skill Development	Understand about the microorganisms and its nature.  Demonstrate staining procedures.  Measure the growth of microorganisms and apply the knowledge in food , Water industry.
220	ENZYMES	1711515	Employability/Skill Development	Gain fundamental knowledge about the nature, properties, nomenclature and classification of enzymes and coenzymes.  Analyze factors affecting enzyme activity, deduce Michaleis Menten equation and apply the understanding on enzyme inhibition in medicine and industry.  Relate the use of enzymes and immobilized enzymes in industry.
221	INTERMEDIARY METABOLISM -I	1711516	Employability/Skill Development	Explain how carbohydrates get metabolized in the body via glycolysis, TCA cycle and how we derive energy from it.  Understand how ATP is formed through Electron transport chain and oxidative phosphorylation.  Describe the metabolism of lipids and nucleic acids.
222	PHYSIOLOGY	1711517	Employability/Entrepreneurship /Skill Development	Understand the functions of blood and circulatory system.  Learn the process of digestion and absorption and it can be applied in the field of medicine.  Learn the process of gaseous exchange in tissues and lungs and the mechanism of muscle contraction
223	NUTRITIONAL BIOCHEMISTRY	1711518	Employability/Skill Development	Acquire knowledge about food groups and measure the calorific value of food Understand the nutritive importance of macronutrients in the body Comprehend the importance of major and minor trace elements (Minerals),vitamins in the food



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224	COMPUTATIONAL METHODS FOR BIOCHEMISTRY	1711519	Employability/Skill Development	Apply the molecular biology, genetics, biomolecules knowledge with computers in medical field. Predict the structure from sequence and afterwards validate the predicted structures in Pharma industry. Understand the principles and some methods of genomics, gene expression and proteomics that aid precision in medicine, modern plant and animal breeding.
225	MOLECULAR BIOLOGY	1711620	Employability/Skill Development	Carry out experiments related to gene expression studies. Develop Medical kits to identify the microorganisms using molecular biology techniques Understand the concepts of genetic code and relate it to translation process and explain protein biosynthesis
226	CLINICAL BIOCHEMISTRY	1711621	Employability/Entrepreneurship /Skill Development	Understand the pathophysiological processes responsible for common biochemical disorders of carbohydrate, lipid, protein and nucleic acid metabolism Apply the knowledge in lab report analysis during various organ function tests. Clinically assess the role of serum enzyme and isozyme indicators in pathological condition and diseases of heart, bone and liver.
227	IMMUNOLOGY	1711622	Employability/Skill Development	Illustrate various mechanisms that regulate immune responses and maintain tolerance. Apply basic technique to identify Antigen antibody reactions in disease diagnosis. Gain Knowledge in immunological techniques and same can be used in Vaccine production, diagnosis of disease.
228	INTERMEDIARY METABOLISM -II	1711623	Employability/Skill Development	Gain knowledge on the metabolism of amino acids and formation of urea. Understand the catabolic pathways of purine and pyrimidine Understand the clinical significance of faay acid metabolism.
229	TECHNIQUES IN MOLECULAR BIOLOGY	1711624	Employability/Entrepreneurship /Skill Development	Explain the principles of molecular cloning and PCR, cell transfection and Western blotting. Follow the general safety routines in molecular biology laboratory. Use instrumentation and gene technology methods for separation and analysis of proteins and nucleic acids
<b>B.SC., BIOTECHNOLOGY - 12</b>				
230	CELL BIOLOGY	1912101	Employability, Skill development	The student will be able to gain knowledge in structure, function and metabolic processes of cell.
231	MICROBIOLOGY	1912102	Employability, Entrepreneurship, Skill development	The student will be able to understand various microorganisms and their applications in various fields of biotechnology
232	BIOTECHNOLOGY FOR SOCIETY	1912103	Employability, Entrepreneurship	The student will be able to understand the basic concepts of biotechnology and its role in the well being of society



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233	DEVELOPMENTAL BIOLOGY	1812204	Employability, Entrepreneurship	Students will be able to gain knowledge on the Sequential processes involved in development of an organism from fertilization to organ system formation.
234	CHEMISTRY	1812205	Employability	The student will be able to understand the basic concepts and principles of atoms, molecules and carbohydrates.
235	FOOD SCIENCE	1912206	Employability, Entrepreneurship, Skill development	The student will be able to understand about different types of food, various processes involved in food packaging and storage. Students will also be able to know about various mechanisms by which food spoilage occurs.
236	GENETICS	1812311	Employability, Entrepreneurship	Students will be able to understand on the role of biomolecules involved in heredity, principles of gene transfer and the disorders linked with various defects in genes
237	BIOCHEMISTRY	1812312	Employability, Entrepreneurship	Students will be able to understand about the biomolecules and its role in various metabolic processes.
238	GENETIC ENGINEERING	1812413	Employability, Entrepreneurship, Skill development	Students will be able to understand about cloning vectors, DNA amplification techniques, screening techniques for identifying recombinants, transfer of recombinants to host cells used in genetic engineering technology
239	BIOANALYTICS AND BIostatISTICS	1812414	Employability, Skill development	Students will be able to gain knowledge on the various analytical techniques such as chromatography, electrophoresis and interpretation of data by statistical applications
240	IMMUNOLOGY	1712520	Employability, Skill development	Students will be able to gain knowledge on the role of defense mechanism, lymphocytes, antigen antibody reactions and vaccines which is vital to understand immune system of the body
241	BIOINFORMATICS	1712518	Employability, Skill development	Students will be able to understand about various nucleotide, protein databases, steps in retrieving and analyzing information from databases to understand about an organism or biological molecule.
242	BIOPROCESS TECHNOLOGY	1712519	Employability, Skill development	Students will be able to gain knowledge in the role of microbial enzymes and various fermentors used in industrial processes, role of microbes in degradation of toxins and utilization of microbes as biofertilizers
243	INDUSTRIAL BIOTECHNOLOGY	1712625	Employability, Skill development	The students will be able to understand about various biotechnology industries and the different industrial products produced by using biotechnological methods.
244	MARINE BIOTECHNOLOGY	1712522	Employability, Entrepreneurship, Skill development	The students will be able to understand about various biotechnology industries and the different industrial products produced by using biotechnological methods.
245	AGRICULTURAL BIOTECHNOLOGY	1912523	Employability, Entrepreneurship, Skill development	The students will be able to understand the role of biotechnology in developing plants that have resistance to biotic and abiotic stress, promote plant growth by plant growth promoting microorganisms and application of transgenic crops along with its ethical issues
246	ANIMAL BIOTECHNOLOGY AND STEM CELL BIOLOGY	1712624	Employability, Skill development	Students will be able to gain knowledge about animal tissue culture, strategies of gene transfer and various types of stem cells.



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247	PLANT BIOTECHNOLOGY	1712623	Employability, Entrepreneurship, Skill development	Students will be able to understand various components required for plant tissue culture and recombinant technology in plants
248	ENVIRONMENTAL BIOTECHNOLOGY	1712625	Employability, Skill development	Students will be able to know about water and air pollution, hazardous chemicals causing pollution and the role of biotechnology in reducing the ill effects of pollution.
249	A INTELLECTUAL PROPERTY RIGHTS, BIOSAFETY AND BIOETHICS	1712627	Employability	Students will be able to understand the importance of Intellectual property rights, biosafety and bioethics in biotechnology
250	BIOFERTILIZER	1912628	Employability, Entrepreneurship, Skill development	Students will be able to learn about the PGPR and its significance in improving plant growth better during drought state.
251	MEDICAL BIOTECHNOLOGY	1912629	Employability, Entrepreneurship, Skill development	To familiarize the role and importance of various biotechnological concepts in the field of medical applications.
252	ORGANIC FARMING	1912630	Employability, Entrepreneurship, Skill development	Students will be able to produce food while establishing an ecological balance to prevent soil fertility or pest problems.
<b>B.SC., PLANT BIOLOGY - 13</b>				
253	HORTICULTURE AND MUSHROOM CULTIVATION	1713519/171351	Employability/Entrepreneurship /Skill Development	Students after taking this course will be able to apply the vermicomposting process in a smaller areas, promoting natural farming process without any pollution. This will also enable students to start up their own Business
254	VERMITECHNOLOGY (NME)	1913103	Employability/Entrepreneurship	Students after completing this course will acquire skills in techniques of Plant growth & development. They acquire skill knowledge in cultivating Mushrooms. This course will enable them to become a successful Entrepreneur.
<b>B.SC., VISUAL COMMUNICATION - 14</b>				
255	DRAWING	1914104	Skill Development	At the end of this course, the students will be able to enhance their drawing skills which thereby helps them to interpret about different shapes and design. The student will be able to identify various patterns and textures, and they would implement in their drawing.
256	GRAPHIC DESIGN	1914105	Skill Development	At the end of the Course, the Student will be able to create company name, brand name, visiting cards, letter head, brochures and posters. This thereby enhances their skill. Also they would be able to analyze print advertisement and the tint preparation as a whole.
257	WRITING FOR MEDIA	1914206	Skill Development	At the end of the Course, the Student will be able to develop an idea on how to write a script which thereby enhances his/her skill. Also they would be able to develop content for features and documentary.



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258	PSYCHOLOGY OF MEDIA	1914207	Skill Development	At the end of the Course, the Student will be able to identify and discuss the relation between media and psychology and its impact on the community.
259	MURAL PAINTING	1914208	Entrepreneurship/Skill Development	At the end of the Course, the student will be able to imitate original art mix like mosaic, terracotta, tile, etc and excel in contemporary mural painting.
260	DIGITAL ART	1914210	Skill Development	At the end of the Course, the Student will be able to create dynamic character illustrations, a full comic book, create industrial design involving mechanical and engineering design aspects. This enhances the skillsets of a student and churns them into industry ready professionals
261	COMPUTER GRAPHICS	1814313	Employability	At the end of the Course, the Student will be able to create a print design, various types of illustrations, print advertisements, newspaper layout and 2D advertisement and Greetings with the help of software from Adobe.
262	PHOTOGRAPHY	1814314	Employability	At the end of the Course, the Student will be able to identify the structure and functions of a DSLR camera. They would be given hands-on training on how to handle a camera and what are the factors that are to be kept in mind while taking a photograph in order to become a professional photographer.
263	ADVANCED PHOTOGRAPHY	1814416	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to identify the structure and functions of a DSLR camera. They would be given hands-on training on how to handle a camera and what are the factors that are to be kept in mind while taking a photograph in order to become a professional photographer.
264	MULTIMEDIA	1814417	Employability	At the end of the Course, the Student will be able to create a static multipage website, motion graphics for online media and social network, title design and intro design for movies and TV production, explainer video for a company's product and a full video advertisement with CGI and Motion Graphics.
265	DIGITAL CINEMATOGRAPHY	1814418	Employability/Skill Development	At the end of the Course, the Student will be able to understand cinematic terms. They will enhance their skills by creating radio jingles, PSA, and small budget films or TV series.



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266	AUDIO VISUAL TECHNIQUES	1714523	Employability/Skill Development	At the end of the Course, the Student will be able to enhance their skill on computing and creating short films. They will be able to indicate the social issues and relate them with the usage of audio visual concepts.
267	3DS MAX AND MAYA	1714524	Employability	At the end of the Course, the Student will be able to apply audio and video production techniques to an Animation project. This adds up to their employability skills. They would be able to develop portfolios based on texturing, creating anatomy models, portfolios based on rigging and set modelling.
<b>B.SC., COMPUTER SCIENCE - 15</b>				
268	OBJECT ORIENTED PROGRAMMING USING C++	1915205	Employability, Skill Development	<ol style="list-style-type: none"> <li>1. Discuss and elaborate the concept of OOPs.</li> <li>2. Analyze the problem and apply the retreated concept in Application areas.</li> <li>3. Usage of pointers and Outline of files.</li> </ol>
269	JAVA PROGRAMMING	1815309	Employability, Skill Development	<ol style="list-style-type: none"> <li>1. Use an integrated development environment to write, compile, run, and test simple objectoriented Java programs.</li> <li>2. Read and make elementary modifications to Java programs that solve real-world problems.</li> <li>3. Be able to create an application using string concept.</li> <li>4. Be able to create a program using files in application.</li> <li>5. Be able to create an Applet to create an application.</li> <li>6. Identify and fix defects and common security issues in code.</li> </ol>
270	WEB DESIGN	1815310	Employability, Skill Development	<ol style="list-style-type: none"> <li>1. Able to classify the HTML Tags and DHTML Style Sheets</li> <li>2. Able to create webpages using JavaScript Document Object Model and Event Handling.</li> </ol>
271	PROGRAMMING IN PHP	1715621	Employability, Skill Development	<ol style="list-style-type: none"> <li>1. To make the students learn best practices in programming approach</li> <li>2. Enable the students to create attractive web pages using hypertext</li> </ol>
272	PYTHON PROGRAMMING	1715622	Employability, Skill Development	<ol style="list-style-type: none"> <li>1. To acquire programming skills in core Python</li> <li>2. Apply the OOP concept in Python</li> </ol>
273	ASP.NET PROGRAMMING	1715518	Employability, Skill Development	<ol style="list-style-type: none"> <li>1. Able to use ASP.NET controls in web applications</li> <li>2. Apply the concept to create database driven ASP.NET web applications and web services</li> <li>3. To create applications that use ADO.NET, cookies and web services</li> </ol>
<b>M.COM - 20</b>				
274	ADVANCED CORPORATE ACCOUNTING I	1920101	Skill Development	To impart profound knowledge on accounting procedures and standards of corporate houses.
275	FINANCIAL MANAGEMENT	1920102	Employability	To enable students to acquire knowledge on various tools and techniques in making sound financial decisions.



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276	CONSUMER BEHAVIOUR	1920103	Employability	To understand the strategic implications of consumer influences on marketing decisions.
277	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	1920104	Employability	To introduce the concept and impact of Logistics and Supply Chain Management with a competitive strategy overview.
278	ADVANCED STATISTICS	1921106	Skill Development	To acquaint students on various advanced statistical techniques applicable in business.
279	ADVANCED CORPORATE ACCOUNTING II	1920205	Skill Development	To enable students in understanding the application of various accounting standards.
280	SERVICE MARKETING	1920206	Employability	To introduce the concepts of service marketing, explain how service features result in certain unique problems in marketing and provide an insight into the marketing strategies.
281	CORPORATE LAWS	1920207	Employability	To gain insight on the various concepts and laws pertaining to corporate houses.
282	CORPORATE GOVERNANCE, ETHICS, AND RESPONSIBILITY OF BUSINESS	1920208	Employability	To educate students on corporate governance and business ethics.
283	RESOURCE MANAGEMENT TECHNIQUE	1921212	Skill Development	To enable students acquire knowledge on various techniques and models relevant in managing resources of the organization.
284	ACCOUNTING FOR MANAGERS - I	1820309	Skill Development	To impart knowledge on various advanced techniques and systems used in cost accounting.
285	RESEARCH METHODOLOGY	1820310	Skill Development	To impart in-depth insights on various methods used in Research
286	TAX MANAGEMENT - DIRECT TAX	1820311	Employability	To impart knowledge of the important provisions pertaining to Direct Taxes.
287	MANAGERIAL ECONOMICS	1820312	Employability	To focus on the application of Economics in Managing Business
288	INDIA'S FOREIGN TRADE AND INVESTMENT	1820313	Employability	Outcome of this course is to acquaint the students with structure and policy framework of India's Foreign Trade and Investment.
289	ACCOUNTING FOR MANAGERS - II	1820416	Skill Development	To impart indepth knowledge in application of Management tools in Business.
290	ADVERTISEMENT AND SALESMANSHIP	1820417	Employability	To develop an in-depth understanding of the modern concepts and latest techniques of advertising, personal selling and sales force management which constitute a fastgrowing area of marketing.
291	ORGANIZATIONAL BEHAVIOUR	1820418	Employability	To understand and appreciate individual and group behavior in an organization.
292	INDIRECT TAXES	1820419	Employability	To impart knowledge of the important provisions pertaining to Indirect Taxes.
	<b>M.SC., MATHEMATICS - 21</b>			
293	PROBABILITY THEORY	1921103	Employability	The Student will be able to (i)Restate the probability concept with reference to Borel fields and categorize the discrete and continuous distributions by analyzing their characterization and structure. (ii) Demonstrate the application of Limit theorem in various situations. (iii) Prepare a probability model for any given real-life situation through survey.



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294	MATHEMATICAL STATISTICS	1921210	Employability	The Student will be able to (i) Summarize the importance of sampling distributions and their classifications. (ii) Appraise the parameter value of any given distribution using statistical tools. (iii) Use the hypotheses testing technique to sample (Variable or Constant in size) collected from real life situation and compare the outcome with the existing one.
295	GRAPH THEORY	1921104	Skill Development	The Student will be able to (i) Apply the different concepts of Graph Theory and its application in day today life. (ii) Enable the students to model the real-world problems into Graph Theory problems and get solutions.
296	FUZZY SETS AND THEIR APPLICATIONS	1921211	Skill Development	The Student will be able to (i) Apply the concepts of fuzzy sets and fuzzy relations. (ii) Apply analysis of function of fuzzy variable using fuzzy logic.
297	NUMBER THEORY AND CRYPTOGRAPHY	1821317	Skill Development	The student will be able to (i) Restate the number theory concept with reference to numbers in different bases and categorize the Euclidean Algorithm and congruences by analyzing their characteristics and structure. (ii) Demonstrate the application of some simple cryptosystem using matrices. (iii) Prepare a formula for primality test and application of elliptic curves in cryptography.
298	ALGEBRA-I	1921101	Employability	The Student will be able to explain Quadratic forms with suitable examples and apply them to problems
299	REAL ANALYSIS-I	1921102	Employability	The Student will be able to (i) Explain point set topology and functions of bounded variation with suitable examples and apply them to problems (ii)Apply the concept of Riemann – Stieltjes integrals.
300	NUMERICAL ANALYSIS	1921105	Employability, Skill Development	The Student will be able to (i) Solve nonlinear equations and system of nonlinear equations. (ii) Apply Interpolation for unequal and equal intervals and Compute derivatives using numerical differentiation. (iii) Develop numerical techniques to solve calculus problems.
301	ALGEBRA-II	1921207	Employability	The Student will be able to (i) Restate the ideas of Extension Fields, Galois Theory, Finite Fields, Wedderburn's Theorem for finite division rings and Four Squares Theorem. (ii) Understand Algebra and Linear Algebra at Advanced level and apply it in various branches of Engineering and Science
302	REAL ANALYSIS-II	1921208	Employability	The Student will be able to (i) Analyze the ideas of Measure Theory, Lebesgue Integrals, Functions of Several Variables and Fourier Series, Fourier Integrals and their convergence aspects. (ii) Apply The Riesz-Fischer Theorem and Taylor's theorem for functions of $R_n$ to $R_1$ .
303	DIFFERENTIAL EQUATIONS	1921209	Employability	The Student will be able to (i) Apply the fundamental concepts and the techniques for solving ordinary differential equations in standard forms and using power series. (ii) Analyze non-homogeneous linear systems with constant coefficients. (iii) To know the role of PDE in modern Mathematics. (iv) Solve standard second order PDE by variable separable method.
304	COMPLEX ANALYSIS-I	1821313	Employability	Students will be able to (i) Demonstrate the knowledge of functions of a complex variable. (ii) Analyze the behavior of an analytic function and harmonic function in specified domain



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305	TOPOLOGY	1821314	Employability	The Student will be able to (i) Apply the concept of convergence, completeness and continuous mappings in metric spaces. (ii) To demonstrate the applications of topological spaces, compact spaces and connected spaces.
306	MECHANICS	1821315	Employability	The Student will be able to (i) Use basic concepts and principles of classical mechanics, and apply them to simple examples. (ii) Apply the equations of motion for complicated mechanical systems using the Lagrangian and Hamiltonian formulation of classical mechanics
307	DIFFERENTIAL GEOMETRY	1821316	Employability	The student will be able to (i) Examine and describe the concepts of curves, surfaces, involutes, evolutes, surface of revolution. (ii) Demonstrate the application of geodesic on a surface and Gaussian curvature.
308	COMPLEX ANALYSIS-II	1821418	Employability	(i) Determine the infinite product representation of Riemann zeta function and explore Riemann mapping theorem for simply connected regions.
309	FUNCTIONAL ANALYSIS	1821419	Employability	(i) Apply the concepts of Banach spaces, Hilbert spaces and Banach Algebras. (ii) To explain the importance of the Hahn-Banach theorem, Open mapping theorem in Functional Analysis.
310	TENSOR ANALYSIS AND THEORY OF RELATIVITY	1821420	Employability	(i) Formulate and express a physical law in terms of tensors and simplify it by use of the common form which is independent of the reference coordinate system (ii) Restate the Relativistic Doppler effect with examples.
311	FLUID DYNAMICS	1821421	Employability	(i) Restate the kinematics of a moving fluid. (ii) Demonstrate the applications of Milne Thomson Circle theorem with examples.
312	INTEGRAL EQUATIONS AND CALCULUS OF VARIATIONS	1821422	Employability	(i) Recognize and solve initial value problems and boundary value problems (ii) Explore the methods for finding extreme values of functionals (iii) Demonstrate the application of variational problems with moving boundaries and field of extremals using Jacobi and Legendre conditions
<b>M.SC., PHYSICS - 22</b>				
313	MATHEMATICAL PHYSICS I	1922101	Employability/Entrepreneurship /Skill Development	Course Outcomes: At the end of the Course, the Student will be able to: Learn about Gradient, Divergence, Curl, Laplace and their typical applications in Physics. Learn about all matrices that are relevant in Physics. Understand Bernoulli, Toricelli theorem and its significance. Get introduced Dirac delta function. Knowledgeable with symmetry operations in order to construct a character table for different compounds.
314	CLASSICAL MECHANICS AND RELATIVITY	1922102	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: The Coriolis force in classical mechanics, the significance of conservation laws. Basic ideas about four vectors, Minkowski space. Dynamics of and ideas regarding Eigen values.
315	QUANTUM MECHANICS I	1922103	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: Theory of simple harmonic oscillator and its application, concepts of perturbation theory, the derivation of Schrodinger formulations of time development and their applications, realize the industrial applications of Stark effect and also the usefulness of Eigen values.



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316	INTEGRATED ELECTRONICS	1922104	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: Field effect transistors (FET), MOSFET, UJT, SCR, their principles and applications, transducer bridge and their working in detail, the application of operational amplifier in filter circuits and timer 555 as VCO, the basis of digital electronics is the use of logic gates as flip flops and realizing how flip flops are used in the construction of counters and registers.
317	MATHEMATICAL PHYSICS II	1922205	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: know the method of Fourier transform to evaluate definite integrals of varying complexity, having gained ability to apply Laurent's and Taylor's series to Physics problems, deeper understanding of tensors and probability theory, another interesting aspect is the study of full-wave rectifier.
318	QUANTUM MECHANICS II	1922206	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: Relativistic Quantum Mechanics using Dirac equation, Dirac matrices, the Klein Gordon equation, etc., perturbation theory and Einstein's coefficient which are mathematical quantities, a measure of probability of absorption or emission of light useful in lasers, realizing in Physics the optical theorem helps to understand the wave-scattering theory
319	ELECTIVE PAPER I - SPECTROSCOPY	1922207	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: know about centrifugal distortion and zero-point energy of simple-harmonic oscillator, having gained the ability to apply the techniques of Raman, IR activity to elucidate the structure of molecules, be able to apply the principle of Raman spectroscopy, UV-Vis and FTIR its applications in the different field of Science and technology, to become familiar with different resonance spectroscopic techniques and its applications
320	EXTRA DISCIPLINARY PAPER I - MICROPROCESSOR FUNDAMENTALS - 8085	1922208	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: learn assembly language programming and arithmetic, aware of memory interfacing, and different data transfer schemes, learn interfacing with peripheral I/O devices, the relevance of RAM and ROM in microprocessor, the hierarchy of interrupts, learn common applications of microprocessors
321	STATISTICAL MECHANICS	1822311	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: Define the Fermi-Dirac and Bose-Einstein distributions, state where they are applicable, understand how they differ and show when they reduce to Boltzmann's distribution, apply the Fermi-Dirac distribution of thermal properties of electrons in metals, explain thermodynamics as a logical consequence of the postulates of statistical mechanics
322	ELECTROMAGNETIC THEORY & PLASMA PHYSICS	1822312	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: understand the rather complex physical phenomena observed in plasma, have grasped the idea of electromagnetic wave propagation through wave guides, they will be able to distinguish between Coulomb and Lorentz gauge, know the Biot-Savart law and Ampere's law, they will also be able analyze the nature of the dielectric field in different systems



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323	ELECTIVE II - MICROPROCESSOR 8086 AND MICROCONTROLLER 8051	1822313	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: learn assembly language programming and arithmetic, aware of memory interfacing, and different data transfer schemes, learn interfacing with peripheral I/O devices, the relevance of RAM and ROM in microprocessor, the hierarchy of interrupts, learn common applications of microprocessors
324	EXTRA DISCIPLINARY PAPER II - MATERIALS SYNTHESIS AND CHARACTERIZATION	1822314	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: Carryout crystal growth practically in a lab, to describe the formation and use of X-rays in Material Science and Engineering Applications, the mechanism of crystal growth and the parameters that can influence the crystal growth, by knowing the different crystal growth techniques, the students can seek a job both in the semiconductor industry and national labs, design nanotubes for specific applications for specific applications
325	CONDENSED MATTER PHYSICS	1822415	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: have a basic knowledge of crystal systems and spatial symmetries, account how crystalline materials are studied using Bragg's law, be able to differentiate Type I and Type II superconductivity and realize the current applications of high temperature superconductors, derive Kronig-Penney equation and understand how the periodic structure of a crystal behaves in an electromagnetic field
326	NUCLEAR AND PARTICLE PHYSICS	1822416	Employability/Skill Development	At the end of the Course, the Student will be able to: have a basic knowledge of nuclear size, shape, binding energy, Q-value, etc., the characteristics of nucleon-nucleon in detail, be able to gain knowledge about magic numbers, have a wide understanding regarding Fermi's theory of beta decay, understand the basic forces in nature and classification of particles
327	ELECTIVE III - COMPUTATIONAL METHODS AND C PROGRAMMING	1822417	Employability/Entrepreneurship /Skill Development	At the end of the Course, the Student will be able to: Gets a wide knowledge of numerical methods in Computational Physics, understand and construct flow chart and have a strong base in C language, solve problems using bisection and Newton-Raphson, Lagrangian, Trapezoidal and Simpson's rule
<b>M.SC., BIOCHEMISTRY - 24</b>				
328	BIOMOLECULES	1924101	Employability	Obtain knowledge on levels of structural organization of proteins, lipids. Carbohydrates and enable them to work in food related Industries. Skills acquired can be used to analyze the properties of macromolecules. Relate the knowledge of biomolecular structure to applications in medicine
329	INTERMEDIARY METABOLISM	1924102	Employability/Skill Development	Acquire adequate knowledge in various pathways in intermediary metabolism and bioenergetics. Apply the knowledge in Clinical applications. Acquire knowledge about the metabolism of various macromolecules.
330	PLANT BIOCHEMISTRY	1924103	Employability/Entrepreneurship	Discuss Secondary Metabolites In Plants Illustrate Nitrogen Fixation By Symbiosis Biochemistry Of Nitrogen Fixation Evaluate The Anti Oxidant Defense In Plants

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331	ENZYMES	1924104	Employability/Skill Development	Enhances their ability in characterization of enzymes and used in R & D industries. Develop new enzymes using available raw materials. Gain knowledge on role of cofactors
332	MEMBRANE BIOCHEMISTRY	1924105	Employability/Skill Development	Acquire knowledge about the composition, properties, models of membrane and functions Develop skills to isolate, membrane proteins from RBC and its structure and functions Learn the structure and functions of cell organelles, plant cell walls and bacterial membrane Understand the mechanism of transport across membrane
333	ANALYTICAL BIOCHEMISTRY	1924206	Employability/Entrepreneurship /Skill Development	perform organ and tissue slice techniques during animal handling in higher studies. acquire analytical skills to separate molecule using various chromatographic techniques separate proteins, DNA various electrophoretic techniques in identification of genetic disorders.
334	HUMAN PHYSIOLOGY & NUTRITION	1924207	Employability/Skill Development	Apply the physiological concepts in various industries such as pharmaceutical companies & R & D areas in various institutes and companies. Acquire knowledge to carry out blood grouping experiments in blood samples.
335	MOLECULAR BIOLOGY	1924208	Employability/Skill Development	Gain in-depth knowledge of the core principles of biological and/or medicinal processes to manipulate genes. Learn the insight of most significant molecular and cell based methods used in biotechnology industries. Acquire skills in molecular biology techniques
336	BIOTECHNOLOGY	1824409	Employability/Entrepreneurship /Skill Development	Learn the basis of genetic engineering and its applications in health, medicine, agricultural and environmental biotechnology and its impact on society Apply the technical skills learnt to set up nurseries for agriculture related activities. Apply the knowledge of IVF in hospitals.
337	BIOETHICS, IPR & HR	1924210	Employability/Skill Development	Analyze The Bioethics Of Cloning And Recombinant Drugs Production Apply Article 21 In Different Case Studies And IPR and IPP. Prioritize Biosafety Measures From Biohazards.
338	ADVANCED CLINICAL BIOCHEMISTRY	1824313	Employability/Entrepreneurship /Skill Development	Become clinical researcher , clinical Trials and related documentation preparation personnel. Become Entrepreneurs by setting up their own clinical laboratories.



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339	BIOSTATISTICS	1824314	Employability/Skill Development	Develop the problem-solving skills which will enable independent practice as a specialist. Develop related transferable skills such as correct use of statistics Carry out clinical correlations in a better way.
340	MICROBIOLOGY	1824315	Employability/Entrepreneurship /Skill Development	Develop the problem-solving skills which will enable independent practice as a specialist. Develop related transferable skills such as correct use of statistics Carry out clinical correlations in a better way.
341	HORMONAL BIOCHEMISTRY	1824316	Employability	Apply the knowledge in assessing hormonal levels during lab diagnostics. Develop professional competencies of medical graduates in allied areas to understand the pathophysiology, investigation and management of endocrine disorders
342	BIOINFORMATICS	1824317	Skill Development	Apply the knowledge in assessing hormonal levels during lab diagnostics. Develop professional competencies of medical graduates in allied areas to understand the pathophysiology, investigation and management of endocrine disorders
343	IMMUNOLOGY	1824418	Employability/Entrepreneurship /Skill Development	Understanding of the overview of immune system including cells, organs and vaccines. Expertise in testing Immunological kits. carry out and analyze tests on patients with a range of immune system disorders.
344	BIOREMEDIATION	1824419	Employability/Skill Development	Acquire skills on techniques involved in bioremediation Understand the concept of bioremediation to handle environmental toxins. Analyze the harmful effects of waste water disposal to the environment and the biotechnological solutions.
345	LIFE STYLE DISEASE AND PREVENTION	1824420	Employability/Skill Development	Understand that it is possible to improve general health through lifestyle changes Understand different lifestyle disorders, Make healthy food choices. Adopt healthy lifestyle practices.
<b>M.SC., BIOTECHNOLOGY - 25</b>				
346	MICROBIOLOGY AND IMMUNOLOGY	1925102	Employability, Entrepreneurship, Skill development	The students will get basic knowledge about the common most pathogenic microbes and its virulence factors, the immune system and its functions.



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347	MOLECULAR CELL BIOLOGY	1925103	Employability, Skill development	Students will be able to emphasize conceptual appreciation of the molecular interplays which are the basis of "chemical processes" in living systems and its relationship with biotechnology.
348	MOLECULAR GENETICS	1925104	Employability, Skill development	The students will be able to the study of genetic material, the gene as a unit of recombination, mutation, genetics which helps to understand how traits are inherited and to use this understanding in analyses (to solve problems and complete pedigrees) Linkage, Crossing over and population genetics.
349	ECOLOGY, EVOLUTION AND BEHAVIOUR	1925105	Employability, Entrepreneurship, Skill development	The students will be able to get knowledge on various ecosystems, species interaction, origin of species, behavior of species, epochs and eras
350	DEVELOPMENTAL BIOLOGY	1925106	Employability,	The students will get introduced to animal development and places special emphasis on vertebrate development. The students will be able to know cellular mechanisms in embryology, essential for doing research in developmental biology field.
351	FOOD TECHNOLOGY	1925107	Employability, Skill development	The students will be able to understand application of biotechnology in Food processing industries. They understand the basic fundamental food quality and control procedures.
352	ANIMAL BIOTECHNOLOGY AND STEM CELL BIOLOGY	1912624	Employability, Skill development	The student gets exposed to the application of culture techniques to improve the quality and quantity of the animal derived product. They will obtain the knowledge on stem cell regeneration therapies and artificial organs.
353	PLANT BIOTECHNOLOGY	1912625	Employability, Entrepreneurship, Skill development	The students get knowledge in advanced techniques including micropropagation and genetic transformation methods, propagation of disease-free plants, molecular markers for identification of traits in genome and also useful tool for soma clonal variation.
354	GENETIC ENGINEERING	1925210	Employability, Entrepreneurship, Skill development	The student will be able to understand the concepts and knowledge about genetic engineering and rDNA technology, molecular techniques involved in it.
355	BIOINFORMATICS	1925211	Employability, Entrepreneurship, Skill development	Students will be able to learn sequence alignment, gene finding, genome assembly, drug design, drug discovery, protein structure alignment, protein structure prediction, prediction of gene expression and they will be able to perform mapping and analyzing DNA and protein sequences, aligning DNA and protein sequences to compare them, and creating and viewing 3-D models of protein structures.
356	: Animal and Plant Physiology	1925212	Employability, Skill development	The student will be able to learn the physiological process of all body system and the interrelationship among cellular, tissue and organ function in each system of both plants as well as animals.
357	MARINE BIOTECHNOLOGY	1925313	Employability, Entrepreneurship, Skill development	The students will gain knowledge on marine biodiversity and it's economy in context to global change. They get better understanding about marine bioresources and its biotechnological application.



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358	BIOPROCESS TECHNOLOGY	1825316	Employability, Skill development	The students will get an up-to-date knowledge of upstream and downstream processing technology and the key process design concepts relating to the production of biomolecules of industrial importance.
359	ENZYMES AND ENZYME TECHNOLOGY	1825314	Employability, Entrepreneurship, Skill development	The students get the basic understanding of enzyme function as biocatalysts and fermentation in various aspects of biotechnology.
360	ENVIRONMENTAL BIOTECHNOLOGY	1825315	Employability,	The students will be able to learn the techniques involved in environmental sustainability and learn about the microbes prevailing in the environment with beneficial qualities.
361	PHARMACEUTICAL BIOTECHNOLOGY	1825316	Employability, Entrepreneurship, Skill development	The students understand the basic concepts, scope and applications of Pharmacology, drug designing and gene therapy.
362	ADVANCED MOLECULAR TECHNIQUES	1825317	Employability, Skill development	The students will be able to understand the principles of various molecular techniques, imaging and diagnostic techniques and their clinical application
363	Nano Biotechnology	1825321	Employability, Skill development	• To gain knowledge about the various process of nanoparticles synthesis and its applications in biological field.
364	Herbal Technology	1825322	Employability, Entrepreneurship, Skill development	To Provide the understanding about the medicinal properties, applications and development of herbal drugs
365	RESEARCH METHODOLOGY, BIOETHICS & BIOSTATISTICS	1825419	Employability, Skill development	The students gain the knowledge to identify the overall process of designing a research study and able to identify research problem stated in a study. Students will know about the bioethical issues concerning the reproduction is to be inculcated broadly without any gender bias.
366	TISSUE ENGINEERING	1825418	Employability, Skill development	The students will learn about key technologies used in tissue engineering and regenerative medicine, will deal with the basic and clinical aspects of stem cell research, the conversion of stem cell types into a variety of suitable tissues and gain state-of-the-art knowledge on the potential of stem cells for the regeneration of a wide range of tissues and organs.
367	FORENSIC SCIENCE	1825425	Employability, Skill development	The student will be able to understand the investigation of crime scene and document forgeries.
368	INDUSTRIAL BIOTECHNOLOGY	1825426	Employability, Entrepreneurship, Skill development	The students will get knowledge on the skills required to work in the biotechnology industry, basics skills applied in Fermentation, industrial productions of various microbial metabolites and also the importance of genetically modified crops
369	ELECTIVE PAPER 7B -	1825427		
	<b>M.SC., MICROBIOLOGY - 26</b>			



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370	FUNDAMENTALS OF MICROBIOLOGY AND MICROBIAL PHYSIOLOGY	1926101	Employability	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"> <li>•To hammer knowledge on fundamentals of microorganisms</li> <li>•To learn the structural organization, morphology and reproduction of microbes</li> <li>•To know the principles of microscopy and advancements in microscopy</li> <li>•To develop a sufficient background to students about the growth of microbes</li> <li>•To learn the microbial metabolism, Clear idea on energy production in microbial cell</li> </ul>
371	MEDICAL MICROBIOLOGY - I	1926102	Employability, Entrepreneurship	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"> <li>•To inculcate on the role of normal flora and pathogenic microbes</li> <li>•To understand the pathogenesis of various diseases</li> <li>•To understand the various clinical microbiological techniques</li> <li>•Get information about various mechanisms of infection</li> <li>•Knowledge on clinical lab techniques and control measures of diseases</li> </ul>
372	BASICS IN IMMUNOLOGY AND IMMUNOTECHNOLOGY	1926103	Employability, Skill Development	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"> <li>•To provide knowledge on human immunity system</li> <li>•To understand the mechanism of antigen antibody reaction</li> <li>•To hammer the principles of vaccine development</li> <li>•In depth coverage of all areas of immunology from fundamental mechanisms to applied aspects</li> </ul>
373	MOLECULAR BIOLOGY AND MICROBIAL GENETICS	1926104	Employability, Skill Development	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"> <li>•The course gives detailed knowledge on the structure of DNA and RNA in addition to the purposes of basic components of prokaryotic and eukaryotic cells</li> <li>•It gives complete understanding on the mechanisms of transcription and translation and an insight into the regulation of prokaryotic and eukaryotic gene regulation</li> <li>•Understand the responses to environmental or physiological changes, or alterations of cell function brought about by mutation</li> </ul>



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374	BIOINFORMATICS	1926105	Employability, Entrepreneurship, Skill Development	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"><li>•Computational method to solve the problems of their own research and understand the sequence analysis, structural analysis and functional analysis of genome</li><li>•Logical and technical means to solve the biological data storage problems and to predict the new aspects</li><li>•Provides a platform for several web interfaces to launch analyses, to synthesize, visualize, query and edit results, a tool for understanding the biological responses</li><li>•Applications are not only limited with drug discovery its extended to biodiversity conservation and even space science</li></ul>
375	FORENSIC BIOLOGY	1926106	Employability, Entrepreneurship, Skill Development	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"><li>•Significant aspect of forensic disciplines includes forensic pathology and toxicology</li><li>•Applications in circumstances of biocrime, bioterrorism and epidemiology are accompanied by the prospect of using microbes</li><li>•To assist human identification such as skin, hair and body fluids microbiome</li></ul>
376	FOOD, DAIRY AND INDUSTRIAL MICROBIOLOGY	1926208	Employability, Entrepreneurship	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"><li>•To knowledge on the behavior of microorganisms that either are used to make foods or may represent safety or quality issues</li><li>•Effect of preservatives, processes, and packaging systems on food</li><li>•Methods for detection, identification, and enumeration of food borne microorganisms or microbial toxins</li><li>•Microbiology of food fermentations &amp; microbiological aspects of food safety</li></ul>
377	SOIL AND AGRICULTURAL MICROBIOLOGY	1926209	Employability	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"><li>• To provide the fundamental knowledge about the various scopes on Soil and Agricultural microbiology</li><li>• To gain knowledge on plant diseases, disposal of wastes and commercial aspects of soil microbiology</li><li>• To create awareness on soil microbiology</li><li>• To give knowledge on plant pathogen interaction and its control</li><li>• Understand the biogeochemical cycles prevail in environment</li></ul>



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378	MEDICAL MICROBIOLOGY –II	1926210	Employability, Skill Development	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"> <li>•To impart the knowledge of medically important human diseases</li> <li>•To learn about their causative agent, clinical symptoms, pathogenesis, mode of transmission, prevention and treatment</li> <li>•To suggest appropriate analysis based on clinical information</li> <li>•To independently interpret and assess the results</li> </ul>
379	PHARMACEUTICAL MICROBIOLOGY	1926211	Employability, Skill Development	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"> <li>•Evaluate the sterility testing, microbial assays, pharmacopoeial standards of sterilization process for manufacturing of Pharmaceutical compounds in the laboratory</li> <li>•Understanding the principles of controlled environment, quality control, quality assurances</li> <li>•To become an excellent in pharmaceutical compounding and drug development with the understanding of immunological response</li> </ul>
380	TISSUE BIOTECHNOLOGY	1926212	Employability, Entrepreneurship	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"> <li>• To develop an understanding about the advantages and disadvantages of tissue culture</li> <li>• To provide the knowledge about the different conditions required for successful experimentation with tissue culture along with its implications</li> <li>• To acquaint students with the principles, technical requirement, scientific and commercial applications of plant and animal tissue and cell culture</li> </ul>
381	RESEARCH METHODOLOGY AND BIOSTATISTICS	1926213	Employability, Entrepreneurship, Skill Development	<p>At the end of the course, the students will able to</p> <ul style="list-style-type: none"> <li>• <u>To gain basic knowledge and ideas on research view</u></li> <li>• <u>To find numerical solutions to scientific data</u></li> <li>• <u>To analyze and interpret scientific data using numerical and mathematical equations</u></li> <li>• <u>Classify various types of data and apply basic statistical concepts such as measures of central tendencies, measures of dispersion and sampling</u></li> <li>• <u>Use concepts of probability, probability laws, probability distributions and apply them in solving biological problems and statistical analysis</u></li> </ul>
382	BIOINSTRUMENTATION	1826318	Employability	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"> <li>•Examine the significance of advanced biochemical instrumentation techniques in modern research and their applications by learning about the concepts, applications, benefits, and limitations of typical biological lab tools.</li> <li>•To understand various molecular spectroscopy's concepts, principles, instruments, operations, and applications in biomedical sciences.</li> <li>•Improve the ability to carry out research activities by learning basic and advanced chromatographic purification processes, gel electrophoresis.</li> </ul>



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383	RECOMBINANT DNA TECHNOLOGY	1826319	Employability, Skill Development	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"><li>•Validate knowledge of genetic engineering tools and techniques, as well as the usage of various cloning vectors and understand the fundamentals and concepts of rDNA cloning techniques. Learn about the many ways of gene transfer.</li><li>•Educate advanced molecular techniques like DNA finger printing, RFLP and their biological applications to meet international standards.</li></ul>
384	ENVIRONMENTAL MICROBIOLOGY	1826320	Employability, Entrepreneurship	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"><li>• To develop entrepreneurial skills in the field of water purification and desalination.</li><li>• To acquire technical knowledge on waste water management and treatment.</li></ul>
385	BIOPROCESS TECHNOLOGY	1826321	Employability, Skill Development	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"><li>• To develop skills on various upstream and downstream processes.</li><li>• To understand the implementation of various techniques in bioprocess industries.</li></ul>
386	NANOBIOTECHNOLOGY	1826322	Employability, Skill Development	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"><li>•Understand the interactions between biomolecules and nanoparticle surfaces, as well as their applications, by learning about the many methods of nanoparticle creation, including physical, chemical, and biological processes.</li><li>•Gain a solid understanding of the principles of a variety of physical and chemical characterization techniques.</li></ul>
387	HERBAL TECHNOLOGY	1826322	Employability	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"><li>•To execute drug evaluation process by standard procedures.</li><li>•To implement the WHO guidelines for standardization of drugs.</li></ul>
388	MICROBIAL PRODUCTS	1826424	Employability, Entrepreneurship	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"><li>•To boost entrepreneurial skills in developing various economically important products from microorganisms.</li><li>•To gain an understanding in various quality assurance concepts</li></ul>
389	BIOSAFETY AND CLINICAL RESEARCH	1826425	Employability, Entrepreneurship, Skill Development	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"><li>•Develop knowledge on laboratory risks and implementation of biosafety procedures.</li><li>•To independently execute bioassay techniques for biotherapeutics, nutraceutical products, vaccines and antibiotics</li></ul>
390	BIOFERTILIZER TECHNOLOGY AND ORGANIC FARMING	1826426	Employability, Entrepreneurship, Skill Development	<p>At the end of the course, the student will be able</p> <ul style="list-style-type: none"><li>•To develop techniques for mass production of biofertilizers.</li><li>•To create awareness on organic farming and provide a platform to become an successful entrepreneur.</li><li>•To familiarize various schemes and funding agencies.</li></ul>



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MSC., COMPUTER SCIENCE - 27				
389	DESIGN AND ANALYSIS OF ALGORITHMS	1927101	Employability, Skill Development	<ol style="list-style-type: none"><li>1. Know the essentials of algorithms. Analyze the asymptotic performance of algorithms. Gain insights into randomized algorithms and primality testing.</li><li>2. Describe the divide-and-conquer and greedy paradigm. Explain when an algorithmic design situation calls for it. Recite algorithms that employ this paradigm. Synthesize divide-and-conquer, greedy algorithms and analyse them.</li><li>3. Discuss the dynamic-programming paradigm and implementation of dynamic programming in various algorithmic design and analyze them.</li><li>4. Define the design of backtracking, branch and bound paradigm. Describe the algorithms using this paradigm. Synthesize and analyze them.</li><li>5. Know the concepts of non-deterministic algorithms, Lower bounds theory problems and the classes NP-hard and NP-complete problems. Synthesize appropriate algorithm for a design situation</li></ol>
390	PROGRAMMING IN PYTHON	1927102	Employability	<ol style="list-style-type: none"><li>1. Understand the basic concepts of various operating systems and data types.</li><li>2. Illustrate the concept of strings and its manipulation.</li><li>3. Illustrate python for file handling in databases.</li><li>4. Understand the various graphic methods to solve different problems.</li><li>5. Interpret data exploration and data munging.</li><li>6. Gain knowledge on data science.</li></ol>
391	COMPUTER NETWORKS	1927103	Employability	<ol style="list-style-type: none"><li>1. Have knowledge of the basic principles, concepts of computer networks and the design of OSI layers.</li><li>2. To get insights into the Data Link Layer protocols</li><li>3. To provide overview of the Protocols of Medium Access sub layer</li><li>4. To identify the design issues and solutions in the Network Layer</li><li>5. To have basic knowledge of TCP protocol</li><li>6. Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies.</li></ol>



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392	PROGRAMMING IN PHP	197104	Employability	<ol style="list-style-type: none"><li>1.Develop the knowledge of Hardware and Software requirements, Installation of PHP, data types, different types of operators and Control Structures in PHP.</li><li>2.Implementation of arrays, Looping Structures, Functions in PHP.</li><li>3.Learn the concepts of File System. Working with Forms and Implementation of Regular Expressions in Forms.</li><li>4.Gain the Knowledge of OOPS concept.</li><li>5.Implementation of Database Connectivity using MYSQL and Learn the concepts of Cookies.</li><li>6.Implementation of Session and AJAX</li></ol>
393	OBJECT ORIENTED SOFTWARE ENGINEERING	1927105	Employability	<ol style="list-style-type: none"><li>1.Knows the reason about the basic Software life cycle models. Importance of various kinds of Project Management methods, Tracking Software Quality, Quality Standards and Metrics.</li><li>2.Develop System Concepts for Object Modelling. Design and implement a software design concepts to meet desired needs and Requirements. Design the UML concepts like sequential, Use cases and Activity diagram</li><li>3.Concepts of Use cases, actors, and common modelling techniques. Implement the concept use cases, business actors, Significance of identifying the subsystems and business requirements</li><li>4.Explain Design Workflow and System Design Concept. Create Mapping Object Model to Database Schema Testing and verification process.</li><li>5.Usage of Software Configuration Management. Define maintenance and its types. Build Reverse and re-engineering process.</li><li>6.Create projects using tools of software engineering and techniques.</li></ol>
394	DIGITAL IMAGE PROCESSING	1927208	Skill Development	<ol style="list-style-type: none"><li>1.Describe the fundamentals of image processing and its applications.</li><li>2.Gain adequate knowledge of Image enhancement techniques in spatial domain</li><li>3.Detailed classification of Image enhancement techniques in frequency domain and compare with spatial domain techniques</li><li>4.Analyze the Image restoration and degradation concepts</li><li>Identify the fundamentals techniques in image segmentation</li><li>5.Acquire a good knowledge of Image compression techniques</li><li>6.Interpret Image segmentation, restoration and compression techniques</li></ol>



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395	ADVANCED DATABASE MANAGEMENT SYSTEMS	1927209	Employability	<ol style="list-style-type: none"> <li>1. Describe the characteristics of Database Management Systems and about the concepts and models of database.</li> <li>2. Design ER-models to represent simple database application scenarios.</li> <li>3. Convert the ER-model to relational tables, populate relational database. Improve the database design by normalization.</li> <li>4. Describe the fundamental elements of Object and Object relational database management systems.</li> <li>5. Get the knowledge of Data Warehousing And Distributed DBMS</li> <li>6. Analyse and describe the Management issues of Mobile databases and Multimedia Databases</li> </ol>
396	ENTERPRISE COMPUTING	1927210	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1. Understand various concepts of Enterprise programming, analyze and implement the RMI Architecture for the necessary applications.</li> <li>2. Implement Session management using Servlet and implement JDBC for the database connectivity.</li> <li>3. Develop Web applications using JSP and JSP error pages.</li> <li>4. Design an application that sends and receives email with attachments.</li> <li>5. Implement Database connectivity through Hibernate Framework and also build web applications using Spring MVC.</li> <li>6. Study and use modern tools for rapidly building enterprise applications.</li> </ol>
397	DATA WAREHOUSING AND DATA MINING	1927211	Employability, Skill Development	<ol style="list-style-type: none"> <li>1. Appreciate the basic principles, concepts and applications of data warehousing and data mining</li> <li>2. Have a good knowledge of the preprocessing techniques</li> <li>3. Perform Data Mining using association rules</li> <li>4. Get insights from data using classification and prediction techniques</li> <li>5. Acquire knowledge of clustering techniques and outliers</li> <li>6. Apply data mining techniques to real world data by cleaning the data, integrating the data from different sources, predicting a model to group the data tuples into classes, discovering patterns using association rule mining and grouping the data set into clusters.</li> </ol>



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398	WAP AND XML	1927212	Employability, Skill Development	<ol style="list-style-type: none"><li>1. Develop knowledge of basic wireless environment, Wireless applications protocol.</li><li>2. Have a good knowledge of WAP gateway and their functionalities.</li><li>3. Construct the Wireless Markup Language and its applications.</li><li>4. Gain the knowledge of XML applications and Preparing style sheets.</li><li>5. Implementation of XSLT.</li><li>6. Compare accepted standards and guidelines to select appropriate applications of XML to meet specified performance requirements.</li></ol>
399	SOFT COMPUTING	1827315	Skill Development	<ol style="list-style-type: none"><li>1. Gain basic knowledge of Artificial Neural Network, Fuzzy logic and Genetic algorithms</li><li>2. Analyse different neural network architectures</li><li>3. Get insight into classical sets and fuzzy sets</li><li>4. Develop the concepts of fuzzy relations and fuzzy propositions</li><li>5. Gain knowledge of Genetic algorithms and the various operators</li><li>6. Gain knowledge of various Algorithms</li></ol>
400	INTERNET TECHNOLOGY	1827316	Employability, Entrepreneurship	<ol style="list-style-type: none"><li>1. Acquire the knowledge of .NET environment. Expertise the fundamental concepts in developing the basics of C# programming</li><li>2. Develop, compile and execute console application in C# using object-oriented concepts. Construct console application in C# program using delegates and events</li><li>3. Build a web application in ASP.NET using webserver controls</li><li>4. Demonstrate web application with database connectivity</li><li>5. Integrate web application using cookies, sessions and web services</li><li>6. Create a complete web Application for real-time situations</li></ol>



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401	CLOUD COMPUTING	1827317	Employability, Skill Development	<ol style="list-style-type: none"><li>1.Articulate the main concepts, key technologies, strengths, and limitations, the current and future challenges of cloud computing. Analyse various cloud deployment models and their issues on the cloud.</li><li>2.Identify the architecture and infrastructure of various cloud services including SaaS, PaaS, and IaaS and apply them to develop a applications.</li><li>3.Analyse the implications of cloud collaboration with other applications.</li><li>4.Design and develop various algorithms using tools for virtualization in cloud computing and acquire the knowledge of doing research.</li><li>5.Assess cloud Storage systems and Cloud security, the risks involved, its impact and develop secure cloud applications.</li><li>6.Develop and deploy cloud applications using modern tools and techniques based on the organizational needs.</li></ol>
402	BIG DATA ANALYTICS	1827318	Employability	<ol style="list-style-type: none"><li>1.Knows the reason about the evolution of data science and its development. Study the basic of big data analytics and to develop the code. Importance of various kinds of data comparing the other language.</li><li>2.Develop HDFS environment using NOSQL. Implementing the queries. Aggregate the data using NOSQL</li><li>3.Concept of basic Hadoop, data format and analysing the data in the HDFS environment. Implementing the concept Hadoop pipes and implementations and java interfaces. Significance of various methods of compression, serialization</li><li>4.Apply Mapreduce applications, unit test , MRUnit, Create file using Mapreduce sorting and shuffling process. Creating input and output format of Mapreduce.</li><li>5.Usage Hadoop related tools. Definition of hbase,Hbase clients, Cassandra, Pig, HiveQL. Life Build data manipulation byHiveQL queries.</li><li>6.Analyze Life Build data manipulation byHiveQL queries.</li></ol>
403	CRYPTOGRAPHY	1827319	Employability, Skill Development	<ol style="list-style-type: none"><li>1.Gain knowledge about Conventional encryption model</li><li>2.Analyse Euclidean Algorithm and Number theory</li><li>3.Understanding Key exchanges.</li><li>4.Detailed representation of Hashing functions.</li><li>5.Describe the various Digital signatures logic.</li><li>6.Apply different encryption and decryption techniques</li></ol>
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404	OPERATING SYSTEM.	1928101	Skill Development	<ol style="list-style-type: none"><li>1.Basic concepts of operating system, process management, Threads - Interprocess Communication. CPU Scheduling</li><li>2.Discuss various Process Synchronization problems, critical region and monitors</li><li>3.Discuss about Deadlock Characterization, Methods for handling Deadlocks, Prevention, Avoidance, and Detection of Deadlock and Recovery from deadlock.</li><li>4.Analyse the Memory Management and its allocation policies.</li><li>5.Evaluate the various Page Replacement Algorithms handled by Operating System.</li><li>6.Analyse the Virtual memory and Thrashing concepts.</li><li>7.Interpret the mechanisms adopted for File Sharing in Distributed Applications.</li><li>8..Demonstrate the basic concepts of operating system</li></ol>
405	COMPUTER ORGANIZATION AND ARCHITECTURE.	198102	Skill Development	<ol style="list-style-type: none"><li>1.Detailed representation about number systems and boolean algebra.</li><li>2.Describe the various types of flip flops, registers and circuit system.</li><li>3.Analyse the stack organization and identify the addressing modes.</li><li>4.Interpret peripheral devices with memory access.</li><li>5.Acquire a good knowledge about memory hierarchies and mapping.</li><li>6.Gain knowledge about Virtual memory and data manipulation</li></ol>
406	DATABASE MANAGEMENT SYSTEMS.	1928103	Employability	<ol style="list-style-type: none"><li>1.Describe a database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a DBMS.</li><li>2.Design ER-models to represent simple database application scenarios.</li></ol> <p>Convert the ER-model to relational tables, populate relational database and formulate SQL queries on data for current needs. Develop applications using DDL, DML queries.</p> <p>Identifies the Functional dependencies, decompositions, lossless join, and dependency preserving decomposition. Classify the various normalization techniques and improve the database design by applying it.</p> <p>Use the concept of a transaction and design the database using some tools which satisfies the ACID properties when concurrent transaction occurs in a database.</p> <p>Evaluate the sophisticated access protocols to control access to the database.</p> <p>Identifies the suitable File organization methods and access methods and design the database for storing the data.</p> <p>Develop and evaluate a real database application using a database management system.</p>



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407	PRINCIPLES OF PROGRAMMING LANGUAGES	1928104	Skill Development, Employability	<ol style="list-style-type: none"><li>1. Gain knowledge on programming in different paradigms. Express syntax and semantics in formal notation. Design features of programming languages, and justify their design decisions</li><li>2. Explain the general concepts of data types, Statements and Expressions and identify the design issues.</li><li>3. Identify the design issues of Subprograms and Blocks in programming languages</li><li>4. Compare the concepts of concurrency control and exception handling for various programming Languages.</li><li>5. Analyze and compare functional programming languages and the scripting languages.</li><li>6. Analyze a problem, and identify and define the computing requirements appropriate to its solution</li></ol>
408	DATA STRUCTURES AND ALGORITHMS	1928208	Employability	<ol style="list-style-type: none"><li>1. Define data structures like array, stack, queues and linked list.</li><li>2. Explain insertion, deletion and traversing operations on data structures.</li><li>3. Identify the asymptotic notations to find the complexity of an algorithm.</li><li>4. Compare various searching and sorting techniques.</li><li>5. Choose appropriate data structure while designing the algorithms.</li><li>6. Design advanced data structures using nonlinear data structures.</li></ol>
409	COMPUTER NETWORKS	1928209	Employability	<ol style="list-style-type: none"><li>1. Gain a basic knowledge of Networking and functions of each layer in OSI and TCP/IP model. Demonstrate the network topology.</li><li>2. Diagnose the problems of a Current Multiplexing Techniques.</li><li>3. Classify the various multiple access protocols and identify the deficiencies in existing protocols, and then go onto formulate new and better protocols.</li><li>4. Apply the mathematical background of routing protocols. Analyze the collision occurred in current networks.</li><li>5. Classify the classes of IP protocols and select the IP addresses for the given network.</li><li>6. Describe the issues surrounding in Session layer and Transport layer and identify how to rectify.</li></ol> <p>Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies.</p>



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410	MICROPROCESSOR AND MICROCONTROLLER	1928210	Employability	<p>1. Recognize 8086 microprocessor simulator, knowledge of 8086 instruction set and ability to utilize it in assembly language programming.</p> <p>2.Importance of various kinds of Project Management methods, Tracking Software Quality, Quality Standards and Metrics.</p> <p>3.Assess and solve basic binary math operations using the microprocessor and explain the microprocessor's and Microcontroller's internal architecture and its operation within the area of manufacturing and performance.</p> <p>4. Apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of the target microprocessor and microcontroller.</p> <p>5.Analyze assembly language programs; select appropriate assemble into machine a cross assembler utility of a microprocessor and microcontroller.</p> <p>6.Compare accepted standards and guidelines to select appropriate Microprocessor (8085 &amp; 8086) and Microcontroller to meet specified performance requirements. Design electrical circuitry to the Microprocessor I/O ports in ordstem.</p> <p>nterface the processor to external devices. Evaluate assembly language programs and download the machine code that will provide solutions real-world control problems.</p>
411	PROGRAMMING IN PHP	1928211	Employability	<p>1.Develop the knowledge of Hardware and Software requirements, Installation of PHP, data types, different types of operators and Control Structures in PHP.</p> <p>2.Implementation of arrays, Looping Structures, Functions in PHP.</p> <p>3.Learn the concepts of File System. Working with Forms and Implementation of Regular Expressions in Forms.</p> <p>4.Gain the Knowledge of OOPS concept.</p> <p>5.Implementation of Database Connectivity using MYSQL and Learn the concepts of Cookies.</p> <p>6.Implementation of Session and AJAX</p>



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412	OBJECT ORIENTED SOFTWARE ENGINEERING	1928212	Employability	<p>1.Knows the reason about the basic Software life cycle models Importance of various kinds of Project Management methods, Tracking Software Quality, Quality Standards and Metrics.</p> <p>2.Develop System Concepts for Object Modelling Design and implement a software design concept to meet desired needs and Requirements.</p> <p>3.Design the UML concepts like sequential, Use cases and Activity diagram Concepts of Use cases, actors, and common modelling techniques.</p> <p>4.Implementing the concept use cases, business actors, Significance of identifying the subsystems and business requirements</p> <p>5.Explain Design Workflow and System Design Concept Create Mapping Object Model to Database Schema Testing and verification process Creation.</p> <p>6.Usage of Software Configuration Management Definition and Types of maintenance Life Build Reverse and re-engineering process.</p>
413	ENTERPRISE COMPUTING	1828315	Employability	<p>1.Understand various concepts of Enterprise Computing, analyze and implement the RMI Architecture for the necessary applications.</p> <p>2.Implement Session management using Servlet and implement JDBC for the database connectivity.</p> <p>3.Develop Web applications using JSP and JSP error pages.</p> <p>4.Design an application that sends and receives email with attachments.</p> <p>5.Implement Database connectivity through Hibernate Framework and also build web applications using Spring MVC.</p> <p>6.Study and use modern tools for rapidly building enterprise applications.</p>
414	PROGRAMMING IN PYTHON	1828316	Skill Development,Employability	<p>1.1To acquire basic programming skills of Python programming language.</p> <p>2.To develop applications using python sequence.</p> <p>3.Implement basic object oriented concepts like inheritance and polymorphism.</p> <p>4.Develop GUI applications using PyGTK. and GUI applications.</p> <p>5.To have basic knowledge of implementing data science in python.</p> <p>6.To use python as a tool for research.</p>
415	SOFTWARE TESTING	1828318	Employability	<p>1.Discuss about the concept of bugs and analyses the principles in software testing to prevent and remove bugs.</p> <p>2.Discuss about domains and path</p> <p>3.Analyze Linguistic and Structural Metric</p> <p>4.Discuss about Verification and Validation. Analyse various levels of Testing, Testing Approaches, and Types of Testing &amp; Test Plan. Analyze Defect Management</p> <p>5.Discuss about Acceptance testing and special test.</p> <p>6.Analyze various automation testing tools. Gain the knowledge about various testing tools.</p>



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416	CRYPTOGRAPHY	1828319	Skill Development, Employability	<p>1. Gain knowledge about Conventional encryption model</p> <p>2. Analyse Euclidean Algorithm and Number theory</p> <p>3. Understanding Key exchanges.</p> <p>4. Detailed representation of Hashing functions.</p> <p>5. Describe the various Digital signatures logic.</p> <p>6. Apply different encryption and decryption techniques</p>
<b>M.C.A.(SHIFT - I) - 29</b>				
417	Programming in Java	1929101	Employability, Skill Development	<p>Illustrate and implement the concepts of Packages, Interfaces, Threads and Exception Handling in Java. Apply Networking concepts for establishing connectivity among applications with reduced code complexity and develop network applications</p>
418	Computer Organization and Architecture	1929102	Employability, Skill Development	<p>Design basic electronic Circuits (combinational circuits), Learn the concepts of parallel processing, pipelining and inter processor communication Summarize the architecture and functionality of central processing unit.</p>
419	Management Information System	1929103	Employability, Skill Development	<p>Interpret and recommend Electronic Commerce Fundamentals and Applications. Apply a framework and process for aligning organization's IT objectives with business strategy.</p>
420	Operating System	1929104	Skill Development	<p>Acquire the knowledge of process synchronization and illustrate the critical section problems and ways to handle the dead lock problems with the help of algorithms.</p>
421	NME I: Statistical Methods	1929105	Employability, Skill Development	<p>Distinguish Discrete and continuous distributions. Solve the real time problems involving various distributions like Binomial, Poisson and normal distributions.</p>
422	Microprocessors and its Applications	1929209	Employability, Skill Development	<p>Apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of the target microprocessor and microcontroller.</p>
423	Data Structures and Algorithms	1929110	Employability, Skill Development	<p>Apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of the target microprocessor and microcontroller.</p>
424	Object oriented Analysis and Design	1929211	Employability, Skill Development	<p>Apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of the target microprocessor and microcontroller.</p>
425	Advanced JAVA	1929212	Employability	<p>Apply knowledge and demonstrate programming proficiency using the various addressing modes and data transfer instructions of the target microprocessor and microcontroller.</p>
426	NME II: Optimization Techniques	1929213	Employability, Skill Development	<p>An ability to design and conduct experiments, as well as to analyze and interpret data. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.</p>
427	Database Management System	1829317	Skill Development	<p>Analyze the concepts about data storage on disks and Files, RAID management, file organizations and application of Indexing to improve performance while searching using Tree structured indexing and Hash Based indexing.</p>

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428	Programming in PHP	1829318	Employability, Skill Development	Understand the use of PHP with HTML. Develop Database connectivity using MySQL. Acquire the knowledge about the features for MySQL and its types.
429	Accounting and Financial Management	1820315	Employability, Skill Development	Prepare ledger accounts using double entry bookkeeping and record journal entries accordingly. Explain the purpose of double entry system to understanding the accounting system properly.
430	Python for Scientific Computing	1829319	Employability	Prepare ledger accounts using double entry bookkeeping and record journal entries accordingly. Explain the purpose of double entry system to understanding the accounting system properly.
431	Digital Image Processing	1829320	Employability, Skill Development	Prepare ledger accounts using double entry bookkeeping and record journal entries accordingly. Explain the purpose of double entry system to understanding the accounting system properly.
432	Data warehousing and Data Mining	1829424	Employability, Skill Development	Have a good knowledge of the preprocessing techniques. To get insights from data using classification and prediction techniques.
433	Computer networks and Mobile Computing	1829425	Employability, Skill Development	Determine and explain Data Communications System and its components. Identify the different types of network topologies and protocols.
434	Organizational Behaviour	1829426	Employability, Skill Development	To analyze and compare different models used to explain individual behaviour related to motivation and rewards
435	Android Programming	1829427	Employability	Illustrate the use of activities, fragments and intents in Android to invoke Built-in Applications and use of notification in Android.
436	Software Project Management	1829428	Employability, Skill Development	Identify the different project contexts and suggest an appropriate management strategy. Determine an appropriate project management approach through
437	Big Data Analytics	1729532	Employability, Skill Development	Knows the reason about the evolution of data science and its development. Study the basic of big data analytics and to develop the code. Importance of various kinds of data comparing the other language.
438	Artificial Neural Networks	1729533	Employability, Skill Development	Develop different single layer/multiple layer Perception learning algorithms. Apply Networking concepts for establishing connectivity among applications with reduced code complexity
439	Cloud Computing	1729534	Employability, Skill Development	Analyse the core concepts of the cloud computing paradigm: how and why this paradigm shift came, the characteristics, advantages and challenges brought about by the various models and services in cloud computing.
440	Introduction to Computer Forensics and Bioinformatics	1729535	Employability, Skill Development	Demonstrate competency in the principles of crime scene investigation, including the recognition, collection, identification, preservation, and documentation of physical evidence. Classify and apply the acquisition tools
441	Internet of Things	1729536	Employability, Skill Development	Interpret the vision of IoT from a global context. Illustrate the application of IoT in Industrial Automation and identify Real World Design Constraints.



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442	MANAGEMENT PROCESS AND ORGANIZATIONAL BEHAVIOUR	1930101	Employability, Skill Development	CO1 Apply the Principles of Management and effective Decision making and critical thinking and strategy formulation. CO2 Demonstrate the applicability of the concept of OB to analyze the behavior of people in the Organization. CO3 Analyze Individual Behavior, Job Satisfaction and the importance of Motivation. CO4 Exposure on Group Behavior and the need of Leadership and to handle stress CO5 Evaluate Organization needs, structure and its effectiveness
443	STATISTICS FOR MANAGEMENT	1930102	Employability	CO1 Recall and solving problems based on the addition theorem, multiplication theorem, conditional probability and Baye's theorem. Restate the Discrete distributions such as Binomial and Poisson distribution. CO2 Differentiate the univariate and bivariate analysis. Explain correlation, rank correlation and regression analysis by numerical example CO3 Summarize the concept of sampling, Null Hypothesis, alternative Hypothesis, type I and type II errors, sampling errors and standard errors. CO4 Distinguish between small samples and large samples. Summarize the concept of parametric test z-test, t-test, F-test and non parametric test chi-square test by given examples. CO5 Demonstrate the analysis of variance of one way classification and two way classification with numerical examples
444	ECONOMICS FOR MANAGERS	1930103	Employability, Entrepreneurship	CO1 Analyse Market demand and supply patterns through forecasting techniques. CO2 Evaluate National Income using techniques and underlying policies. CO3 Compare market structures and different pricing methods. CO4 Analyse and evaluate demand pattern using Date software. CO5 Identify the consequence of globalization and role of Banks in International Trade.
445	ACCOUNTING FOR MANAGERS	1930104	Employability, Entrepreneurship	CO1 Apply the conceptual framework of accounting, and apply the comprehensive treatment of accounting principles and standards. CO2 Analyze the financial concepts and interpret the Financial statements CO3 Analyze and Evaluate financial data of Company. CO4 Apply the cost principles for production of products. CO5 Apply Analytical techniques to generate financial statements through technology application.
446	LEGAL SYSTEMS IN BUSINESS	1930105	Employability, Entrepreneurship, Skill Development	CO1 Examine the relevance of business law to individuals and businesses and the role of law in an economic, political and social context CO2 Identify the legal principles governing contractual agreements. CO3 Apply the principles of company law in Incorporation process. CO4 Implement appropriate laws in IR. CO5 Analyze and evaluate Consumer Protection Laws.
447	INTERNATIONAL BUSINESS MANAGEMENT	1930106	Employability, Entrepreneurship	CO1 Recognize challenges and opportunities for Foreign Trade markets CO2 Critically analyze the procedures in Exports and Imports CO3 Explore strategies and analyze the impact of Global strategies in International Business CO4 Apply the concept of globalisation techniques to support problems in MNC management CO5 Evaluate the impact of statutory and regulatory compliances on an organizations integrative trade initiatives



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448	ENTREPRENEURSHIP	1930107	Enterpreneurship	CO1 Imbibe entrepreneurial concept and models, and Develop skill CO2 Differentiate entrepreneurs and Entrepreneurs skill CO3 Establish records for small business, relating to legal aspects and other functional management practices CO4 Mobilize resources for ED in an Optimum way CO5 IdentifyandUtilizethesupportecosystemformanagingthebusinessandstartaNew Business Model.
449	HUMAN RESOURCE MANAGEMENT	1930208	Employability, Skill Development	CO1 EvaluatetheHREnvironmentanddevelopHRpolicieswithIRfactorsandsolveHR Problems CO2 Analyze the dynamics in HR environment and contribute to development, implementation and evaluation of Employee recruitment, selection and retention plans and process CO3 Develop relevant skills necessary for application in HR related issues CO4 Develop, implement and evaluate employee orientation, training and development process CO5 Facilitate and support effective employee and labor relations
450	RESOURCE MANAGEMENT TECHNIQUES	1930209	Employability	CO1 Formulate the Linear programming problem and solve by graphical method, simplex method, Big Method. CO2 Define transportation and assignment problem. Demonstrate the balanced, unbalanced, maximization and minimization assignment problems with illustration. Differentiate Transportation problem and assignment problem CO3 Recall the concept of Critical Path Method and Programme Evaluation Review Technique. Solving real time problems using critical path method and Programme evaluation technique CO4 Explain the queuing theory concept. List the out the models of queuing theory and discuss with numerical examples. CO5 Restate the concept of sequencing problem in Business. Distinguish between n jobs two machines, n jobs three machines, n jobs m machines and 2 jobs n machines by giving examples and illustrate.
451	OPERATIONS MANAGEMENT	1930210	Employability	CO1 Identify the elements of operations management and various transformation process to enhance productivity and competitiveness CO2 Analyze and evaluate various facility alternatives and their capacity decisions, develop a PPC,MPS, scheduling and sequencing techniques CO3 Manage the scope, cost, timing and quality of the project and focus on suitablequality control methods CO4 Plan and implement suitable inventory/material handling principles and practices CO5 Utilize and Implement systems integrated managerial functions
452	FINANCIAL MANAGEMENT	1930211	Employability, Skill Development	CO1 Enables knowledge on Strategic Financial Policy and Planning and various Financial Models involved in it. Importance of Capital Budgeting in Finance. CO2 Evaluate the Investment Decision and to enrich their knowledge on Risk, Uncertainty and Time value of Money. CO3 Analyze the role of Capital Structure and Restructuring CO4 Plan and Implement the required Working Capital and Cash Management CO5 Explore on Securities and Commercial Paper



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453	RESEARCH METHODOLOGY	1930212	Employability	CO1 Analyze the impact of research in business and evaluate research problems and develop hypothesis CO2 Apply the appropriate research design and construct a measurement scale. CO3 Develop a valid instrument/Questionnaire for data collection using sampling technique CO4 Apply the SPSS for data analysis CO5 Apply SPSS for data analysis and develop a report using APA format
454	MANAGEMENT INFORMATION SYSTEMS	1930106	Employability, Skill Development	CO1 Develop leadership qualities through Management Information system in achieving business competitive advantage through informed decision making. CO2 Develop logical models for the information systems based on stated user requirement. CO3 Select and apply appropriate programming structure and techniques based on specific problem context. CO4 Modify implementation plan appropriately in response to unexpected requirement or environmental change. CO5 Perform common business transaction as an end user in an ERP system.
455	MARKETING MANAGEMENT	1930214	Employability, Entrepreneurship	CO1 Formulate a marketing plan including marketing objectives, marketing mix, statistics and evaluate competition CO2 Identify and demonstrate the dynamic nature of the environment in which marketing decisions are taken. Formulate marketing plan including marketing objectives, marketing mix, strategies, and budgetary considerations. CO3 Determine strategies for developing new products and services relevant to evolving market needs and develop pricing policies CO4 Develop plans for efficient distribution CO5 Establish the usage of social media, internet to explore new markets.
456	STRATEGIC MANAGEMENT	1830315	Employability, Skill Development	CO1 Evaluate the strategies implemented by organizations and to analyze the mission, vision and their objectives CO2 Analyse micro and macro environmental issues CO3 Identify strategic capabilities and gap and resolve them by applying suitable strategies CO4 Apply control techniques/audit performance of strategy implemented CO5 Analyze the issues faced by the organization
457	TOTAL QUALITY MANAGEMENT	1830316	Employability, Entrepreneurship	CO1 Relate Philosophies of Quality Management with organization performance CO2 Demonstrate tools and techniques of Quality Management and Implementation CO3 Analyze the various types of techniques are used to measure quality and create customer satisfaction CO4 Use quality management methods analyzing and solving problems of organization; CO5 Critically appraise the organizational, communication and teamwork requirements for effective quality management
458	INVESTMENT MANAGEMENT	1830317	Employability, Entrepreneurship, Skill Development	CO1 Analyze the investment securities and settings CO2 Appraise about capital market and SEBI CO3 Evaluate about Economy Analysis and Industry life cycle CO4 Create Fundamental analysis and Technical analysis for their investment CO5 Analyze the Portfolio theory and the mutual funds benefits and impact.



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459	INTERNATIONAL FINANCIAL MANAGEMENT	FIN-302	Employability, Entrepreneurship, Skill Development	CO1 Compare Finance Functions nationally and Internationally and also to Analyze the International Monetary System CO2 Evaluate Foreign Exchange Market and FOREX CO3 Design International Long Term Finance by Analyzing various Banks both Nationally and Internationally CO4 Distinguish cross border Financing Decision and also about Working Capital Management CO5 Analyze the International Taxation and International Accounting
460	MERCHANT BANKING AND FINANCIAL SERVICES	1830318	Employability, Entrepreneurship	CO1 Analyses various Financial Services and Products available in the market. CO2 Evaluate about the Functions and Role of Merchant Banker CO3 Appraise their credentials for credit Rating and also about Mergers and Acquisitions CO4 Analyse the concept of Factoring, Financing and Evaluation. CO5 Evaluate about Consumer credit and Venture Capital
461	FINANCIAL DERIVATIVES	1830425	Employability, Skill Development	CO1 Analyse the various types of derivatives and its types CO2 Evaluate the value of forward contracts, hedging and limitations CO3 Appraise about Future contracts and its nature CO4 Critically examine the options and its values and strategies CO5 Develop knowledge on Swaps its principle and valuation and construct a swap model
462	RISK MANAGEMENT AND INSURANCE	1830428	Employability	CO1 Analyze the various types of risk and also to measure risk. CO2 Evaluate the value of Risk, its avoidance, retention, diversifying and Controlling. CO3 Apply Risk Management tools and Hedging. It also gives exposure to Forward and Future Contracts CO4 Evaluate an exposure on Insurance sector and IRDA CO5 Evaluate on Insurance Policies, its process of claim, Foreign Insures in India and Bank Assurance



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463	CORPORATE TAXATION	FIN-403	Employability, Entrepreneurship	<p>CO1 Evaluate Income Tax and accounting and Income exempted from Tax</p> <p>CO2 Formulate head of income and about salaries and house property</p> <p>CO3 Compare Profits and Gains of business and profession, Capital gains and income from other sources</p> <p>CO4 Appraise Set off and carry forward of losses, assessment of individual &amp; firms and deductions</p> <p>CO5 Formulate Assessment procedures, Tax planning, PAN, Filing of returns and IT authorities</p>
464	INDIAN FINANCIAL SYSTEM	FIN-405	Employability, Entrepreneurship	<p>CO1 Providing an in-depth analysis of the commercial banking in the liberalized Indian economy</p> <p>CO2 Formulate - Financial Statement Analysis and Bank Performance Measurement</p> <p>CO3 Equipping the students with the tools used in interpreting and evaluating performance</p> <p>CO4 Appraise Set off and carry forward of losses, assessment of individual &amp; firms and Deductions</p> <p>CO5 Formulate Assessment procedures, Familiarising the students with the new banking practices and processes</p>
465	SERVICES MARKETING	1830319	Employability, Entrepreneurship	<p>CO1 Interpret the growth of service economy and design service quality measurements to build customer loyalty. CO2 Demonstrate a knowledge of the extended marketing mix for services. CO3 Create service blueprinting and adopt positioning strategies for better service. CO4 Recognize the challenges faced in services delivery as outlined in the services gap model. CO5 Identify and formulate Marketing strategies for different service sectors.</p>
466	INTEGRATED MARKETING COMMUNICATION	HR-303	Employability, Entrepreneurship	<p>CO1 Demonstrate a comprehensive understanding of Marketing Communications theories and concepts. Understand primary marketing communication models the marketer's use. CO2 Develop suitable promotional objective and strategy for the Marketing campaign. CO3 Describe a range of Advertising media and methods available to marketers. Analyse and evaluate the cost effectiveness of various forms of media. CO4 Formulate appropriate promotional tool for a product or service. CO5 Conceive the issues of the Promotional activities.</p>



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467	GLOBAL MARKETING MANAGEMENT	MKT-303	Employability, Entrepreneurship	CO1 Apply the principles of Global marketing, for effective marketing in domestic market. CO2 Apply all Political, legal and regulatory compliances while marketing indifferent countries.CO3 Develop skills in researching and analyzing trends in Global markets and in modern marketing places. CO4 Apply the principles of Marketing mix for effective campaign. CO5 Assess an organization's ability to enter and compete in international markets.
468	SALES AND DISTRIBUTION MANAGEMENT	1830320	Employability, Entrepreneurship, Skill Development	CO1 Apply the concept of sales and demonstrate the roles and responsibilities of sales person as a KEY individual to achieve the Organization goal. CO2 Describe and Formulate strategies to effectively manage company's sales operations. CO3 Illustrate the fundamentals of Distribution channels and channel members. CO4 Identify the Channel intermediary and apply new strategies to pitch new market. CO5 Perceive digital tools to enhance logistics management.
469	RETAIL MANAGEMENT	1830428	Employability, Entrepreneurship	CO1 Discuss the concept of retailing, its evolution in Global retailing, and India's trend in Retailing. Importance of retail in the distribution component of the marketing mix. CO2 Conceive the complexity of retail channels (store and non-store) used as alternative routes to market, and evaluate the merits of alternative strategies for different types of retail business. CO3 Interpret and implement effective retail strategies for better Store Management. CO4 Apply the core Marketing strategies for effective Retail Shop Management. CO5 Apprehend emerging trends in Retailing and correlate the factors influencing Retail shopper's behavior.
470	SOCIAL MEDIA MARKETING	MKT-404	Entrepreneurship	CO1 Develop effective social media marketing strategies for various types of industries and businesses. CO2 Apply all Political, legal and regulatory compliances while marketing in different countries. CO3 Describe the major social media marketing portals that can be used to promote acompany, brand, product, service or person. CO4 To work cooperatively within social media community by observing and listening critically with openness, then act ethically and follow through on commitments when communicating with various audience and build positive reputation within the community. CO5 Develop social media marketing plan and track progress in achieving goals with a variety of measurement tools, services, and metrics.



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471	STRATEGIC HUMAN RESOURCE MANAGEMENT AND DEVELOPMENT	1830429	Employability	CO1 Analyse the HR Framework in an organization and assess the HRD needs CO2 Apply digital techniques for HR functions like Recruitment and selection CO3 Identify the consequences of cultural diversity issues CO4 Design and optimize career development/planning CO5 Implement best practices of skill development to employees
472	LABOUR LEGISLATIONS	1830321	Employability	CO1 To review the perspectives, theories and concepts in the field of labor and employment relations CO2 To interpret the salient features of welfare and wage Legislations CO3 To inspect the laws relating to Industrial Relations, Social Security and Working conditions and working conditions in different settings. CO4 To execute labor law and individual employment rights CO5 To assess the developments and changes that have taken place in the field of labour law from time to time
473	GLOBAL HUMAN RESOURCE MANAGEMENT	HR-303	Employability, Skill Development	CO1 Evaluate the developing role of human resources in the global arena CO2 Analyze complex issues and manifold risks that have arisen due to increased globalization CO3 Develop a diagnostic and conceptual understanding of HRM in a broader, comparative and international perspective CO4 Manage the growing presence of multinationals and increasing diversity of workforce demands CO5 Analyze the strategic issues and strategies required to select and develop cross-cultural manpower resources
474	LEADERSHIP AND ORGANISATIONAL EFFECTIVENESS	1830430	Employability, Skill Development	CO1 Interpret the importance of Leader with the theories applied, grid and models. CO2 Analyze the complexities associated with management of the group behavior in the organization. CO3 Develop own strategies for team leadership and influence them CO4 Examine relevant issues in applied management and leadership; including ethics, globalization, and strategic management. CO5 Generate ideas Managerial Effectiveness through group influences, negotiation skills and knowledge Management.



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475	KNOWLEDGE MANAGEMENT	HR-401	Employability	<p>CO1 Analyze the different knowledge types and explain how they are addressed by knowledge management</p> <p>CO2 Examine how valuable individual, group and organizational knowledge is managed throughout the knowledge management cycle</p> <p>CO3 Interpret the major roles and responsibilities in knowledge management implementations</p> <p>CO4 Identify some of the key tools and techniques used in knowledge management applications.</p> <p>CO5 Formulate and empower employees to solve customer problems in organizations</p>
476	TRAINING AND HUMAN PERFORMANCE ENHANCEMENT	1830322	Employability, Skill Development	<p>CO1 Discuss various aspects of the training design process and describe the strategic training and development process.</p> <p>CO2 Identify different methods used in needs assessment and discuss the role of organizational analysis, individual analysis and task analysis in needs assessment.</p> <p>CO3 Discuss the strength and weakness of traditional training methods and the new technology training methods</p> <p>CO4 Design a program for preparing for cross cultural assignments and able to discuss the potential legal issues that relate to training</p> <p>CO5 Effectively perform the manager's role in career management and design an effective socialization program for employees</p>



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477	RECRUITMENT AND SELECTION	1830430	Employability	<p>CO1 Develop job specifications and person specifications to fit current recruitment needs of the business</p> <p>CO2 Examine selection methods and their effectiveness in helping identify the best interview candidates</p> <p>CO3 Best practices and protocols in responding to, and short-listing, applicants</p> <p>CO4 Develop communications and techniques in order to get the best out of recruitment interviews identify</p> <p>CO5 Recognize the importance of adopting a structured recruitment process and the use of relevant selection methods</p>
478	BIG DATA TECHNOLOGY	SYS-301	Employability	<p>CO1 Work with big data platform and explore the big data analytic techniques business applications.</p> <p>CO2 Apply the fundamentals of various big data analytic techniques.</p> <p>CO3 Analyze the HADOOP and MapReduce technologies associated with big data analytics.</p> <p>CO4 Design efficient algorithms for mining the data from large volumes</p> <p>CO5 Differentiate various big data technologies like Hadoop, Pig, Hive, Hbase and No-SQL</p>
479	DATA MINING AND WAREHOUSING	SYS-302	Employability, Entrepreneurship	<p>CO1 Analyze the basic concepts of data warehousing and the required skills to develop and use them.</p> <p>CO2 Apply the methods and techniques for preprocessing of data.</p> <p>CO3 Describe the designing of Data Warehousing to solve the root problems.</p> <p>CO4 Explain different methodologies used in data mining and data warehousing</p> <p>CO5 Compare different approaches of data warehousing and data mining with various</p> <p>Analyze the basic concepts of data warehousing and the required skills to develop and technologies.</p>



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480	CLOUD COMPUTING	SYS-303	Employability, Entrepreneurship	<p>CO1 Describe the key technologies, architecture, strengths, limitations and applications of cloud computing and explain the types and service models of cloud.</p> <p>CO2 Deploy applications over commercial cloud computing infrastructures such as Amazon Web Services, Windows Azure, and Google App Engine.</p> <p>CO3 Communicate through cloud for the management and improvement of business or an organisation.</p> <p>CO4 Understand different CPU, memory and I/O virtualization techniques that serve in offering software, computation and storage services on the cloud</p> <p>CO5 Describe the core issues such as security, privacy, and interoperability in cloud platform.</p>
481	E – COMMERCE TECHNOLOGY AND MANAGEMENT	SYS-401	Employability, Entrepreneurship	<p>CO1 Identify and describe the unique features of e-commerce technology and discuss their business significance</p> <p>CO2 Discuss the influence of electronic retailing, marketing and advertising on Business.</p> <p>CO3 Describe the business models and recognize business models in other emerging areas of e-commerce</p> <p>CO4 Identify the key security threats in business environment and understand the major e-commerce payment mechanism.</p> <p>CO5 Appreciate the importance of policies, procedures and laws in creating security.</p>
482	EMERGING TECHNOLOGIES FOR MANAGEMENT	SYS-402	Employability, Entrepreneurship	<p>CO1 Explain the basic concepts of mobile computing, mobile security, mobile OS and mobile database</p> <p>CO2 Describe the wireless architecture, its benefits, applications and limitations.</p> <p>CO3 Discuss the WAP architecture, development tools and software and apply them in business management.</p> <p>CO4 Identify and analyse the environmental impact of the Information and Communication Technology and current mechanisms to reduce the energy consumption of ICT products</p> <p>CO5 Discuss the privacy risk and security management in the cloud.</p>



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483	ENTERPRISE RESOURCE PLANNING	SYS-403	Employability, Entrepreneurship	<p>CO1 Describe the fundamental technology, issues in planning design and the implementation of ERP systems.</p> <p>CO2 Analyse the business process and able to redesign and restructure the organisation.</p> <p>CO3 Discuss the role of customers, vendors and employees, the key issues, the implementation methodology and the guidelines for the ERP implementation.</p> <p>CO4 Explain the post implementation phase, success, failures and costs and risks of failure in ERP implementation.</p> <p>CO5 Explore the emerging trends in ERP.</p>
484	INTEGRATED SUPPLY CHAIN MANAGEMENT	1830323	Employability	<p>CO1 Recollect the implications of SCM, network design decisions and models and scheming distribution network in supply chain management</p> <p>CO2 Assess the sourcing decisions in supply chain boons and banes of 3PL/4PL and various types of RSP.</p> <p>CO3 Understand the tools and techniques useful in implementing supply chain management</p> <p>CO4 Analyze and appraising the performance of supply chain to control it effectively.</p> <p>CO5 Understand the key concepts and techniques that will allow you to analyze, manage and improve supply chain processes for different industries and markets.</p>
485	PURCHASING MANAGEMENT	1830324	Employability, Skill Development, Entrepreneurship	<p>CO1 Learn to analyze and develop a company's purchasing processes and organization</p> <p>CO2 Understand the companies' purchasing decisions and to compare Local, Nation wide and World wide suppliers</p> <p>CO3 Understand the role of purchasing in successful cooperation between companies</p> <p>CO4 Design purchasing profit centric models and perform cost analysis</p> <p>CO5 Know the best practices in Negotiations, ethics in purchasing and code of conduct for suppliers</p>
486	INTERNATIONAL LOGISTICS AND MANAGEMENT OF GLOBAL SUPPLY CHAIN	1830431	Employability, Entrepreneurship	<p>CO1 Analyse the global movement of goods and compare the size of Industry with different Industries.</p> <p>CO2 Evaluate the low cost sourcing from different countries and their challenges faced.</p> <p>CO3 Implement Green supply chain movement of goods.</p> <p>CO4 Design Global network to achieve Seamless performance across the market.</p> <p>CO5 Design Supply chain mapping for the process.</p>



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487	TRANSPORTATION AND WAREHOUSING MANAGEMENT	1830432	Employability	CO1 Apply the flow of goods, Ordering rules and Information transmittal methods. CO2 Evaluate the different types of transportation and Insurance procedure to ship the goods. CO3 Plan Warehouse and Logistics operations for optimum utilization of resources. Learn more about technology enabled fulfillment centers. CO4 Analyze and Interpret different types of Machinery used to process materials and for stock storage and revival. CO5 Apprehend different Transportation and Warehousing Management System and its usage in Shipment of goods.
<b>M. A., ECONOMICS (SHIFT I) - 31</b>				
488	MICRO ECONOMIC THEORY - I	1931101	Employability, Skill Development	The student will be able to understand and apply the basic concepts of economics and obtain employment .
489	STATISTICAL METHODS - I	1931102	Employability, Skill Development	The student would obtain skills in methods of data collection and tabulation
490	RESEARCH METHODOLOGY	1931103	Employability, Skill Development	The student will understand the methods of processing and application of software techniques and enhance his employment opportunities.
491	HEALTH ECONOMICS	1931104	Employability, Skill Development	The student will be able to apply cost benefit analysis to various health issues and obtain employment.
492	ORGANISATION & BEHAVIOURAL ECONOMICS	1931105	Employability	The students will understand the knowledge about the organisational skills
493	MICRO ECONOMIC THEORY - II	1931206	Employability	The student will be able to understand and apply the basic concepts of economics and obtain employment .
494	STATISTICAL METHODS - II	1931207	Skill Development	The student would develop skill sets in selecting sample and forecasting through Time series analysis.
495	<u>INDIAN ECONOMIC DEVELOPMENT &amp; POLICY</u>	1931209	Skill Development	The student will be able to understand the process of licensing and obtain employment in the industrial sector.
496	MONETARY ECONOMICS	1931208	Employability	The student will be able to understand the way money is measured which will help him in getting employed in the banking sector.
497	MANAGERIAL ECONOMICS	1931210	Employability, Skill Development, Entrepreneurship	The student will strengthen his skills in assessing project profitability and determining advertising budget. The knowledge of capital budgeting will help him in starting a new venture.
498	MACRO ECONOMIC THEORY - I	1831311	Employability	The student will get to understand and apply the basic economic concepts which will help him in getting employment.
499	PUBLIC ECONOMICS - I	1831312	Employability, Skill Development	The student will acquire skill set in doing a cost benefit analysis of public expenditure
500	INTERNATIONAL ECONOMICS - I	1831313	Employability	the student will understand and apply the basic economic theories which will provide him employment opportunities.



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501	FINANCIAL MARKETS & SERVICES - I	1831314	Employability	The student will be able to obtain employment in stock exchanges
502	ENTREPRENEURIAL DEVELOPMENT	1831315	Employability, Skill Development, Entrepreneurship	The student will be able to understand the steps involved in starting a new business venture.
503	MACRO ECONOMIC THEORY - II	1831416	Employability, Skill Development	The student will understand the various types of taxes, its features and be able to get employment with tax consultants
504	PUBLIC ECONOMICS - II	1831417	Employability	The student will understand the various types of taxes, its features and be able to get employment with tax consultants
505	FINANCIAL MARKETS AND SERVICES - II	1831419	Employability	The student will be able to obtain employment in stock exchanges
506	HUMAN RESOURCE MANAGEMENT	1831420	Employability	The student will be able to understand the methods of recruitment, selection and motivation which will give him employment in the HR department
	<b>MSW - 33</b>			
507	SOCIAL WORK PROFESSION	1933101	Employability, Skill Development	Understand the values, ethics and integrate into social work Practice.
508	WORKING WITH INDIVIDUALS	1933102	Employability, Skill Development, Entrepreneurship	To enable the student to practice Social Case work, group work in different settings
509	WORKING WITH GROUPS	1933103	Employability, Skill Development	Understand the role of Group in personality development
510	HUMAN BEHAVIOUR	1933104	Employability, Skill Development	Learn to apply psychological theories in social work practice
511	SOCIAL WORK RESEARCH	1933206	Employability, Skill Development	§ Learn to apply research design and statistics in different settings of Social work
512	WORKING WITH COMMUNITIES	1933207	Employability, Skill Development, Entrepreneurship	Demonstrate the skills in community organization and Social Action like Communication, Advocacy, Networking, Assessment etc.
513	SOCIAL WELFARE ADMINISTRATION AND SOCIAL LEGISLATION	1933208	Employability, Skill Development, Entrepreneurship	· To understand the structure & functions of social welfare administration organization
514	ENTREPRENEURSHIP	1933209	Employability, Skill Development, Entrepreneurship	to become innovative and successful entrepreneur and explore the leadership and management style
515	LABOUR LEGISLATION	1833311	Employability, Skill Development	· To gain knowledge related to compensation benefits of workers in legal perspective
516	HUMAN RESOURCE MANAGEMENT	1833312	Employability, Skill Development, Entrepreneurship	· To learn the sub functions of HRM like Manpower planning, Recruitment, talent management, Learning and development, Compensation management etc.
517	WORK PLACE COUNSELING	1833313	Employability, Skill Development	Learn the various theories of Counselling and develop the skill in counselling practice
518	INDUSTRIAL SOCIAL WORK	1833208	Employability, Skill Development	Understand the fields of Social Work with specific reference to Industries



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519	EMPLOYEE RELATIONS MANAGEMENT	1833314	Employability, Skill Development	· Able to summarise the welfare and social security provisions in labour legislation
520				
521	HUMAN RESOURCE DEVELOPMENT	1833416	Employability ,Skill Development, Entrepreneurship	· To learn the skills of developing a detailed plan for need and implementation of HRD program in the organization.
522	ORGANISATIONAL BEHAVIOUR & ORGANISATIONAL DEVELOPMENT	1833417	Employability ,Skill Development, Entrepreneurship	· To enable the students to perceive and develop the attitude required for the successful application of Personal management and organizational behavior
	<b>M.A. HRM - 34</b>			
523	MANAGERIAL CONCEPT AND BUSINESS ETHICS	1934101	Employability, Skill Development, Entrepreneurship	Apply the concepts in a business setting to sustain in the ever changing market scenario and also to enable them to start a new venture thereby promoting self reliance and critical thinking too assess the prevalence and relevance of these concepts.
524	HUMAN BEHAVIOUR	1934103	Employability, Skill Development, Entrepreneurship	Acquire the skills to assess the behavior of an employee when under the auspices of an organization and to effectively communicate , delegate and extract profitable amount of productivity by enhancing one's own competency
525	LABOUR LEGISLATIONS	1934104	Employability, Skill Development, Entrepreneurship	Apply the provisions of the Acts pertaining to labour welfare and its implementation in an organization and to enhance the capability to track and make the company to adhere to rules and regulations and be informed with due process involved in adherence
526	LEARNING AND DEVELOPMENT	1934206	Employability, Skill Development, Entrepreneurship	Enhance the training effectiveness and thereby promote productivity and performance of an employee in an organization and also to acquire the skill for the students to prepare training need analysis and also designing and customizing training module and content
527	ORGANISATIONAL BEHAVIOUR	1934208	Employability, Skill Development, Entrepreneurship	Acquire the skills to assess the behavioural patterns of employees in an organization and to apply the theories of leadership such as contingency theories to effectively administer the organization and to extract performance and develop positive reinforcement and competency.
528	PERFORMANCE MANAGEMENT SYSTEM	1934209	Employability, Skill Development, Entrepreneurship	Learn the intricacies involved in Performance Management of an employee, the biases involved and also apply the concept learnt to process and apprise the performance of an employee without ambiguity in terms of psychological and social divisions and thus ensure fairness and transparency in the process.
529	CORPORATE SOCIAL RESPONSIBILITY	1934210	Employability, Skill Development, Entrepreneurship	Sketch and construct the CSR Policy in an Organisation that is already established or in a new venture and thereby enhance oneself interms of competency and employability. Investigate the process and the principles followed in Social auditing and also the standardization process to be equipped with.



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530	ORGANIZATIONAL COUNSELING	1934211	Employability, Skill Development, Entrepreneurship	Execute the role of a counselor in order to make the employees move out of mental blocks and to enhance the productivity. Practice diligently the different steps involved in counseling process and customize the same to be implemented in a workplace.
531	ORGANISATIONAL DEVELOPMENT	1834419	Employability, Skill Development, Entrepreneurship	Enhance the competency to be a OD consultant and thereby offer sustainable solutions to many of the sticking problems in the organizations. Acquisition of skills to develop techniques and programs for organizational development and also learn and apply the concepts pertaining to workgroups and teams.
532	STRATEGIC HUMAN RESOURCE MANAGEMENT	1834313	Employability, Skill Development, Entrepreneurship	Enable to strategise the function of HR in an Organisation and also be inclusive in terms of workforce diversity and also be knowledgeable in terms of the functioning of WTO. Enhance ones capability towards employment by getting introduced to online recruitment , Voluntary retirement schemes , mergers and acquisition
533	HUMAN RESOURCE DEVELOPMENT	1834314	Employability, Skill Development, Entrepreneurship	Acquire the skill to manage the human capital in an organization and also the competency and profiling architecture. Enable oneself to get exposed to instructional designs and the HRD processes. Venture oneself effectively at times of mergers and acquisition.
534	INDUSTRIAL LAW	1834315	Employability, Skill Development, Entrepreneurship	Acquire the necessary expertise in terms of the Indian constitution and its associated facets involved and also to acquire the caliber to interpret the laws in terms of its original provisions and its recent amendments and thereby the legal compliance and pursuance of the same is ensured.
535	MANAGERIAL ECONOMICS	1834317	Employability, Skill Development, Entrepreneurship	Possess the skills needed to become a professional economic affair manager by being able to theorise the nature and scope of the subjects concerned. Enhance the employability by gaining mastery of the concepts of equi marginalism , price elasticity and the patterns of industrial growth.
536	COMPENSATION BENEFITS ANALYSIS	1834316	Employability, Skill Development, Entrepreneurship	Enable oneself to gain mastery over the administration of compensation and benefit and acquire the necessary competence with regard to job analysis and payroll management. Investigate also the National wage board policy and its implementation
537	GLOBAL HRM	1834418	Employability, Skill Development, Entrepreneurship	Acquire the knowledge to know about the basic functioning of globalization and the business environment. Enable oneself to start a venture as he or she is exposed to international functioning of business organizations and learn the knitty grities of international compensation.
538	RESEARCH METHODOLOGY	1834312	Employability, Skill Development, Entrepreneurship	Acquire the skill by knowing the meaning and defining the research design. Apply the concept involved in terms of Hypothesis and the principles of sampling. Enable the necessary acumen to quantify a data and also for undertaking a research project or survey.
539	TOTAL QUALITY MANAGEMENT	1834420	Employability, Skill Development, Entrepreneurship	Venture into a new business by initiating TQM techniques. Acquisition of professional competence to function in a quality circle. Learn and apply the concepts involved in terms of zero defect and quality techniques and control measures



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540	FUNDAMENTALS OF HUMAN RESOURCE MANAGEMENT	1934105	Employability, Skill Development, Entrepreneurship	Summarize the fundamental concepts, principles, techniques, judgments in supply and demand forecasting in determining manpower planning. Develop, analyze, organize, conduct and evaluate
541	INDUSTRIAL RELATIONS AND EMPLOYEE WELFARE	1934206	Employability, Skill Development, Entrepreneurship	Apply the concept learnt in the course in an organizational setting especially at times of organizational change and also to position oneself as an effective human relations Manager capable of bringing in a paradigm shift in the employee engagement and motivation.
542	ENTREPRENEURSHIP FOR BUSINESS AND HUMAN RESOURCE MANAGEMENT	1834419	Employability, Skill Development, Entrepreneurship	Demonstrate with regard to Start-ups Project Formulation and also steps involved in setting up a new business. Develop a clear understanding about GST and also working capital
<b>B.COM HONOURS - 35</b>				
543	FINANCIAL ACCOUNTING I	1935111	Employability	Students can able to prepare accounting for sole trading, non profit organization and able to determine the profit for incomplete records & insurance claim
544	MODERN BANKING	1935112	Employability	Students can able to critically examine the role of Commercial Banks and Reserve Bank of India & they can also explain the various activities held in banks.
545	FINANCIAL ANALYTICS & CONTROL (CMA 1A)	1935113	Employability, Skill Development, Entrepreneurship	Students can able to classify costing systems and compare different types of costs for a business
546	BUSINESS ECONOMICS	1935114	Employability	Students can able to analyze various laws such as law of demand, supply, return to scale, variable proportion and market structure.
547	CORPORATE COMMUNICATION	1935115	Employability, Skill Development	Students can able to apply the formal and informal communication in their personal and corporate life
548	FINANCIAL ACCOUNTING II	1935216	Employability, Skill Development	Students can able to prepare accounting for partnership firm, branches & hire purchases.
549	PRINCIPLES OF MANAGEMENT	1935217	Employability, Skill Development	Students can able to apply the functions of management such as planning, organizing, control, coordination, motivation, leadership style in the business.
550	FINANCIAL PLANNING & PERFORMANCE	1935218	Employability, Skill Development	Students can able to understand strategic planning and budgeting, recall the models of strategic planning with the process
551	BUSINESS POLICY AND ENVIRONMENT	1935219	Entrepreneurship	Students can able to explain various environmental forces affecting the business
552	E-COMMERCE	1935220	Entrepreneurship	Students can able to examine the pros and cons of E-Commerce industry and its significance in present era
553	COMPANY LAW	1835322	Employability, Entrepreneurship	Students can able to explain the legal provisions relating to incorporation, MOA & AOA, meetings and the liquidation of the company.
554	COST ACCOUNTING	1835323	Employability	Students can able to determine the cost for a product and also able to classify the cost on the basis of direct and indirect
555	INSURANCE & RISK MANAGEMENT	1835324	Employability	Students can able to explain the essential elements of insurance, significance of LIC & GIC and can able to identify the risk and know how to manage it
556	CORPORATE ACCOUNTING	1835325	Employability	Students can able to do accounting for companies from its inception to winding up



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557	PRACTICAL AUDITING	1835326	Employability, Entrepreneurship	Students can able to demonstrate the process of auditing and able to prepare & maintain various documents while auditing
558	BUSINESS MATHEMATICS	1835313	Employability, Skill Development	Students can able to attain basic knowledge & mathematical skills in set theory, relations, functions & matrices and also enhance the logical & critical thinking and problem solving skills in ratio, proportion, series & different calculus which has real time applications.
559	FINANCIAL SERVICES	1835428	Employability, Entrepreneurship	Students can able to explain the various types of financial services and evaluate the significance of the same.
560	INTERNATIONAL TRADE	1835429	Employability	Students can able to examine the procedures for export and import and also able to demonstrate the significance of international agencies such as IMF, IFC and World Bank.
561	SPECIAL ACCOUNTS	1835430	Employability	Students can able to prepare accounting for special types of business such as banking, insurance, holding & contracts
562	BUSINESS LAW	1835431	Employability	Students can able to explain the essential elements of a valid contract as per Indian Contract Act 1872 and explain the sections under Sale of Goods Act 1930
563	HUMAN RESOURCE MANAGEMENT	1835432	Employability	Students can able to apply the knowledge such as process of recruitment, selection, training & development, performance appraisal in their organization.
564	BUSINESS STATISTICS & O R	1835418	Employability	Students can able to summarize the data numerically & build models according to the data, apply the necessary tools of inference to obtain the requirement, develop linear programming models & solve problems geographically and finding optimal solution in transportation & assignment problems.
565	ACCOUNTING FOR DECISION MAKING	1735534	Employability	Students can able to prepare cash flows statement, funds flow statement and budgeting for an organization and also able to calculate & interpret the financial statement through ratio analysis
566	CORPORATE ETHICS AND GOVERNANCE	1735535	Entrepreneurship	Students can able to demonstrate the significance of ethical practices, social responsibility and governance
567	TAXATION - I	1735536	Employability	Students can able to determine the residential status, income from salary, house property and business and also able to understand the registration process under GST.
568	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	1735537	Employability	Students can able to explain and analyze the elements of logistics and supply chain management for the business
569	ENTREPRENEURIAL DEVELOPMENT	1735538	Entrepreneurship	Students can able to highlight the qualities of successful entrepreneur and also able to identify the challenges and suggest the solutions for it.
570	RESEARCH METHODOLOGY	1735539	Employability	Students can able to explain the appropriate methodology to conduct a successful research
571	FINANCIAL MANAGEMENT	1735641	Employability	Students can able to manage the finance of an organization effectively and efficiently and also able to take a decision with respect to capital, dividend and investment.
572	TAXATION - II	1735642	Employability, Skill Development	Students can able to determine the taxable income/supply and the value of tax under income tax act GST act.



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573	ACCOUNTING STANDARDS	1735643	Employability	Students can able to use accounting standards appropriately while maintaining the books of accounts
574	CUSTOMER RELATIONSHIP MANAGEMENT	1735644	Employability	Students can able to explain the significance of customer relationship management practices in a business
575	SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT	1735645	Employability	Students can able to plan their investment by analyzing various avenues and also know how to manage their portfolio
<b>B.SC., MATHEMATICS WITH CA - 36</b>				
578	CLASSICAL ALGEBRA	19036101	Employability	At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. Ø Use binomial, exponential and logarithmic series and solve related problems. Ø Know about various methods to find the roots of the polynomial equation Ø Develop the skills of the students in the area of matrices
579	DIFFERENTIAL CALCULUS	19036102	Employability	COURSE OUTCOME: At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. Ø To obtain problem solving skills in derivatives in real life application. Ø To identify and solve problems on derivatives in both Cartesian and polar coordinates with application.
580	PROGRAMMING IN C	19036103	Employability / Skill Development	Ø To enhance some knowledge in C Programming, To be familiar with pointers and structures in C Programming.
581	NME I - STATISTCAL METHODS	19036103	Employability	At the end of the Course, the Student will be able to acquire the skill to Ø Simplify Boolean expressions and implement them in digital circuits. Ø Learn to design flowcharts and algorithms.
582	TRIGONOMETRY	19036104	Employability	At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. Ø Acquire the knowledge of circular and hyperbolic trigonometric functions. Ø Apply various methods to solve problems on summation of series



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583	INTEGRAL CALCULUS	19036208	Employability	<p>At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields.</p> <p>Ø Use appropriate tools of Integral Calculus in solving applied problems.</p> <p>Ø Understand the application of definite integral.</p>
584	OBJECT ORIENTED PROGRAMMING WITH C++	19036209	Employability/Skill Development	<p>Ø On taking this course the student will be able to familiarize the usage of arrays and strings in C++, enhance the concept of constructors and its types, construct programs in C++, and master file handling techniques in C++</p>
585	NME II - DISCRETE MATHEMATICS	19036211	Employability	<p>At the end of the Course, the Student will be able to acquire the skill to</p> <p>Ø Solve problems on measures of central tendency and measures of dispersion.</p> <p>Ø Apply the techniques of index numbers and time series in business environment.</p>
586	DIFFERENTIAL EQUATIONS	18036312	Employability	<p>At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields.</p> <p>Ø Estimate first order and higher order ordinary differential equations using appropriate methods.</p> <p>Ø Identify and obtain the solutions for PDE of standard types.</p>
587	MATHEMATICAL STATISTICS	18036313	Employability	<p>At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields.</p> <p>Ø Demonstrate knowledge of probability and standard statistical distribution</p> <p>Ø Demonstrate knowledge of small sample and large sample statistical properties of points and interval estimation</p>
588	MULTIMEDIA	18036314	Employability	<p>Ø On taking this course the student will be able to Develop a comprehensive understanding of multimedia tools, technologies and techniques, Develop an understanding of the process of making multimedia by introducing the multimedia building blocks of text, images, sound, video and animation and to Foster the development of critical-thinking and communication skills in creating a multimedia project.</p>



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589	NUMERICAL METHODS - I	18036315	Skill Development	At the end of the Course, the Student will be able to acquire the skill to Ø Solve real world problems using various numerical approximation techniques. Ø Approximate using various interpolation techniques and solve numerically linear system of equations.
590	VECTOR CALCULUS, ANALYTICAL GEOMETRY OF THREE DIMENSIONS	18036417	Employability	On taking this course the student will be able to Ø Exhibit in depth the analytical and critical thinking to identify, formulate and solve real world problems Ø Demonstrate properties like gradient, divergence, curl associated with derivatives of vector point functions and integrals of vector point functions Ø Also develop the mathematical knowledge in evaluating multiple integrals and their usage also vector differential calculus and vector integral calculus.
591	TRANSFORMS AND FOURIER SERIES	18036418	Employability	On taking this course the student will be able to Ø Demonstrate the application of Fourier series and transforms in various fields. Ø Develop the proficiency in problem solving. Ø Have an insight into Fourier series, Inverse Laplace transform, Laplace transforms and Inverse Fourier transforms.
592	PROGRAMMING IN JAVA	18036419	Employability/ Skill Development	On taking this course the student will be able to Ø Get in-depth Knowledge about the evolution of JAVA and its Features Ø Bring out the difference and similarities between C, C++ and java Ø Develop programmers in Java with its special Features Ø Implementing the code in internet using Applet with AWT controls
593	NUMERICAL METHODS - II	18036420	Skill Development	At the end of the Course, the Student will be able to acquire the skill to Ø Solve real world problems using interpolation. Ø Solve Calculus problems by numerical approximation techniques.
594	ALGEBRAIC STRUCTURES	17036522	Employability	At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. Ø To demonstrate understanding of the relationships between abstract algebraic structures with familiar numbers systems such as the integers and real numbers. Ø To produce rigorous proofs of propositions arising in the context of abstract algebra



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595	REAL ANALYSIS	17036523	Employability	On taking this course the student will be capable of Ø Analyzing any given sequence and series Ø Distinguish between limit superior, limit inferior and limit of a sequence Ø Constructing the proof techniques of the theorems in sequences and series Ø Illustrating the alternating series and differentiate absolute and conditional convergent series.
596	DISCRETE MATHEMATICS	17036524	Employability	At the end of the Course, the Student will be able to acquire the skill Ø To summarize the notion of mathematical thinking and algorithmic thinking. Ø To write and evaluate a proof or outline the basic structure of and give examples. Ø To define how graph serve as models for many standard problems by classifying as graphs, trees, Euler graph, cut set.
597	OPERATIONS RESEARCH I	17036525	Employability	At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields. Ø Improve capabilities in the students for understanding and analyzing different kind of situations in the real-world, Ø Involve limited resources and find the optimal solution within the constraints.
598	WEB TECHNOLOGY	17036526	Employability/ Skill Development	Explain the history of World Wide Web and their related concepts that are vital in understanding Web development. Demonstrate the important HTML tags for designing web pages and separate design from content using Cascading Style Sheet. Design an Interactive website using JavaScript language by implementing their functions.
599	LINEAR ALGEBRA	17036228	Employability	On taking this course the student will be able to Ø Demonstrate understanding of the relationships between abstract structures with familiar numbers systems such as the integers and real numbers. Ø Produce rigorous proofs of propositions arising in the context of Linear algebra. Ø Recognize and use the properties of Polynomial Rings, Vector Spaces, Inner product spaces and Linear Transformations.



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600	COMPLEX ANALYSIS	17036629	Employability	<p>On taking this course the student will be able to</p> <ul style="list-style-type: none"> <li>Ø Restate the concept of analyticity, Cauchy Riemann equations in Cartesian, polar coordinate and Harmonic functions</li> <li>Ø Evaluating the line integral using Cauchy's integral theorem.</li> <li>Ø Demonstrating theorems related to derivatives of analytic functions, Taylor series, Laurent's series, Cauchy Residue theorem.</li> <li>Ø Explain the concept of contour integration and evaluate the improper integrals. Describe mapping of linear and bilinear transformation and discuss the transformation <math>z \rightarrow 1/z</math></li> </ul>
601	MECHANICS	17036630	Employability	<ul style="list-style-type: none"> <li>Ø To demonstrate the application of Mechanics in various fields. To develop the proficiency in problem solving.</li> <li>Ø To have an insight into Types of forces, Moments, kinematics, projectiles and moment of Inertia.</li> </ul>
602	OPERATIONS RESEARCH II	17036631	Employability	<p>At the end of the course, the Student will be able to apply the following concepts which will help in taking up entrance exam and gain employability opportunities in relevant fields.</p> <ul style="list-style-type: none"> <li>Ø To aim at improving capabilities of the students for understanding and analyzing different kind of situations in the real-world.</li> <li>Ø To cover some analytical methods like sequencing, inventory methods, replacement models to help to make them better decisions.</li> </ul>
603	DOT NET PROGRAMMING	17036632	Employability/Skill Development	<p>Explain the fundamentals of HTML and .NET programming, Demonstrate the concept of ASP.NET and its validation controls and Design an Interactive website using applications of VB.NET</p>
	<b>B.SC., PHYSICS WITH COMPUTER APPLICATION - 37</b>			
604	MECHANICS AND PROPERTIES OF MATTER	1937101	Employability/Entrepreneurship /Skill Development	<p>Upon completion of syllabus, students will be able to</p> <ul style="list-style-type: none"> <li>❖ Apply the Bernouille's theorem in the field of aerodynamics, concept of surface tension in detergent formulation and incorporate the idea of viscosity in heavy machinery lubricants.</li> <li>❖ By applying the principle of Venturimeter, students will be able to construct gas flow meter and with the knowledge of Hooke's Law, students will be able to analyse the elasticity nature in strings and pendulums.</li> <li>❖ With the knowledge of bending of beams, students imbibe the elastic behavior of cantilevers.</li> </ul>
605	MATHEMATICS PAPER - I	1936106	Employability/Entrepreneurship /Skill Development	<p>The Student will be able to acquire the skill to Solve real world problems.</p>



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606	THERMAL PHYSICS AND ACOUSTICS	1937203	Employability/Entrepreneurship /Skill Development	After completion of the syllabus, students able ❖ to acquire the knowledge of determining temperature co-efficient of resistance, to understand the concept of resonance through Lissajou's figures, ❖ to venture in the field of solar radiation with the knowledge of Pyroheliometer ❖ to employ themselves in sound engineering and to control environmental noise.
607	MATHEMATICS PAPER - II	1936212	Employability/Entrepreneurship /Skill Development	The Student will be able to acquire the skill to Solve real world problems.
608	OPTICS	1837306	Employability/Entrepreneurship /Skill Development	Course outcome: At the end of completion of syllabus, students able to ❖ design polaroid films with principle of polarization ❖ Construct high monochromatic and intense beams with principle of LASER. ❖ Interpret the wave propagation of light.
609	BASIC ELECTRONICS	1837307	Employability/Entrepreneurship /Skill Development	After the completion of syllabus, students able to ❖ Examine the biasing technique in transistors and oscillators ❖ Design an amplifier to control the electronic circuits ❖ Separate the synchronized signals from composite picture signals using clipper and clamper
610	DATA STRUCTURES	1837308	Employability/Entrepreneurship /Skill Development	1. Understand and remember algorithms and its analysis procedure.2. Introduce the concept of data structures through ADT including List, Stack, Queues. 3. To design and implement various data structure algorithms. 4. To introduce various techniques for representation of the data in the real world. 5. To develop application using data structure algorithms.
611	OBJECT ORIENTED PROGRAMMING USING C++	1837309	Employability/Entrepreneurship /Skill Development	1. Describe the OOP approach connection with C++ 2. Apply the concepts of OOP. 3. Illustrate the process of data and file Manipulation.
612	ATOMIC PHYSICS	1837412	Employability/Entrepreneurship /Skill Development	Upon completion of syllabus, students will be able to ❖ Determine the atomic masses using Bainbridge Spectrometer ❖ Inquire knowledge about various coupling schemes in atoms and to know about the influence of magnetic field in spectral lines. ❖ Construct solar panels with the knowledge of photo electric cells.
613	Elective 1-INTEGRATED ELECTRONICS	1837413	Employability/Entrepreneurship /Skill Development	Upon completion of syllabus, students will be able to ❖ Understand about the voltage gain and ensure the maximum undistorted voltage ❖ Construct circuits to convert finite data to continually varying signals and vice versa with D/A and A/D convertor respectively. ❖ Design a analog frequency meters and flip-flop elements.



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614	OPERATING SYSTEMS	1837414	Employability/Entrepreneurship /Skill Development	1.To understand the main components of an OS & their functions.2.To study the process management and scheduling. 3. To understand various issues in Inter Process Communication (IPC) and the role of OS in IPC. 4. To understand the concepts and implementation Memory management policies and virtual memory. 5. To understand the working of an OS as a resource manager, file system manager, process manager, memory manager and I/O manager and methods used to implement the different parts of OS.
615	DATABASE MANAGEMENT SYSTEM	1837415	Employability/Entrepreneurship /Skill Development	1To understand the different issues involved in the design and implementation of a database system. 2. To study the physical and logical database designs, database modeling, relational, hierarchical, and network models 3. To understand and use data manipulation language to query, update, and manage a database 4.To develop an understanding of essential DBMS concepts such as: database security, integrity, concurrency.5.5. To design and build a simple database system and demonstrate competence with the fundamental tasks involved with modeling, designing, and implementing a DBMS.
616	NUCLEAR PHYSICS AND PARTICLE PHYSICS	1737518	Employability/Skill Development	Upon completion of syllabus, students will be able to ❖ Acquire the science behind the formation of nucleus and concept of magic numbers. ❖ Understand the different kinds of radiation and devices used for detecting them. ❖ Work in nuclear power stations and breeder reactors.
617	SOLID STATE PHYSICS	1737519	Employability/Entrepreneurship /Skill Development	Upon completion of syllabus, students will be able to ❖ Interpret the atomic structure of various molecules ❖ Find applications in energy storage devices ❖ Work in field of magnetic resonance and particle acceleratorion.
618	Elective II-MICROPROCESSOR FUNDAMENTALS	1737520	Employability/Entrepreneurship /Skill Development	Upon completion of syllabus, students will be able to ❖ understand the architecture of 8085 through pin out diagram and its different instructions ❖ design a program for various mathematical operations. ❖ Do read/write operations using control signals.
619	PROGRAMMING IN JAVA	1737521	Employability/Entrepreneurship /Skill Development	1.Use an integrated development environment to write, compile, run, and test simple object-oriented java programs. 2. Read and make elementary modifications to Java programs that solve real-world problems.3.Be able to create an application using string concept.4.Be able to create a program using files in application.5.Be able to create an Applet to create an application. 6. Identify and fix defects and common security issues in code.

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620	ELECTRICITY AND ELECTROMAGNETISM	1737623	Employability/Entrepreneurship /Skill Development	Upon completion of syllabus, students will be able to ❖ Observe the significance of single and three phase alternating current power. ❖ Understand the working of transformers with the basics of Faraday's Law of electromagnetism. ❖ to protect transformers, motors and power system from over-current conditions.
621	RELATIVITY AND QUANTUM MECHANICS	1737624	Employability/Entrepreneurship /Skill Development	Upon completion of syllabus, students will be able to ❖ Justify the wave nature of light with application like electron microscope. ❖ Interpret the energy levels of free particle using Schrodinger equation. ❖ Examine the energy values of different observables.
622	MATHEMATICAL PHYSICS & NUMERICAL METHODS	1737625	Employability/Entrepreneurship /Skill Development	Upon completion of syllabus, students will be able to ❖ Analyse different types of matrices and account for its properties. ❖ Solve Simultaneous Algebraic equations. ❖ Fit the series of data using curve fitting techniques.
623	DIGITAL ELECTRONICS	1737626	Employability/Entrepreneurship /Skill Development	By studying this course the students will be able to learn fundamentals of Boolean algebra, synthesis of Boolean functions, combination and sequential circuits.
<b>B.A. Tamil Literature -38</b>				
624	இக்கால இலக்கியம் - 1	1938101	Employability & Skill Development	புதுக்கவிதைகளைச் சமகாலப் பொருண்மைகளை மையமாகக் கொண்டு கவிதைகளைப் படைத்து வெளியிடுதல், ஊடகங்களில் பணியாற்றல்.
625	நன்னூல் - எழுத்ததிகாரம்	1938102	Employability & Skill Development	நன்னூல் எழுத்திலக்கணம் அறிந்துகொள்வது தமிழ் இலக்கண மரபை அறிந்துகொள்வதோடு போட்டித் தேர்வுகளுக்கும் உதவும் வகையில் உள்ளது.
626	தமிழக வரலாறும் பண்பாடும் - 1	1938103	Employability & Skill Development	பழந்தமிழர் /தமிழகத் தொன்மை, தனித்தன்மை, இயற்கை அமைப்பு, அயல்நாட்டுத் தொடர்புகள், வாழ்க்கைமுறை, சமூக நிலை, அறவுணர்வு, கலைகள் ஆகியனவற்றை அறிவதன்வழி தம் அடையாளத்தை அறிதலை நோக்கமாகக் கொண்டு இப்பாடம் அமைக்கப்பட்டுள்ளது.
627	பயன்பாட்டுத் தமிழ் (NME - I)	1938104	Employability, Entrepreneurship & Skill Development	மாணவர்கள் பிழையின்றி தமிழில் வாசித்தல், எழுதுதல், பேசுதல்.
628	இக்கால இலக்கியம் - II	1938205	Employability & Skill Development	சிறுகதை, புதினம் முதலான இலக்கியப் படைப்பு உத்திகளை அறிந்துகொள்ளுதல்.
629	நன்னூல் - சொல்லதிகாரம்	1938206	Employability & Skill Development	நன்னூல் சொல்லதிகாரம் அடிப்படையில் மொழியைத் திறம்பட வெளிப்படுத்தல்.
630	தமிழக வரலாறும் பண்பாடும் - 2	1938207	Employability & Skill Development	தமிழக வரலாற்றையும் பண்பாட்டையும் அறிந்துகொள்ளவும் போட்டித் தேர்வுகளில் வெற்றிபெறவும் வகையில் அமைக்கப்பட்டுள்ளது.
631	இதழியல் : அறிமுகம்	1938208	Employability & Skill Development	அச்சு, காட்சி ஊடகங்களில் பணியாற்றுவதற்கும், நிர்வாகம் செய்வதற்குமான திறன்களைப் பெறல்.

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632	பக்தி இலக்கியமும் சிற்றிலக்கியமும்	1938209	Employability & Skill Development	தமிழர்களின் வாழ்வியல் பக்தியோடும் சார்ந்த வாழ்வியல் என்பதை மாணவர்கள் அறிந்துகொள்ளுதல்.
633	நம்பியசுப்பொருள்	1838310	Employability & Skill Development	தலைவன், தலைவி இல்லற நெறிமுறைகளைப் பின்பற்றி ஒழுமும் கற்பு, அகப்பாட்டு உறுப்புக்கள், உத்திகள் ஆகியவற்றையும் கற்று, தமிழ் இலக்கியங்களைப் புரிந்துகொள்வதற்கும் படைப்பதற்கும் பயன்படுத்தல்
634	தமிழ் இலக்கிய வரலாறு - I	1838311	Employability & Skill Development	தமிழ் இலக்கியத்தின் மிகப்பெரும் பரப்பை மாணவர்கள் அறிந்துகொண்டு போட்டித் தேர்வில் வெற்றி பெறல்.
635	காப்பியம்	1838412	Employability & Skill Development	ஆசிரியர் பணிக்கான தேர்வுகளுக்குரிய நுழைத்தேர்வை எதிர்கொள்ளப் பயன்படுதல்.
636	புறப்பொருள் வெண்பாமாலை	1838413	Employability & Skill Development	புற இலக்கண மரபு கூறும் வீர உணர்வையும் சுவையான உத்திகளையும் தமிழ் இலக்கியப் பாடல்களோடு ஒப்பிட்டு மாணவர்கள் அறிந்துகொள்ளல்.
637	தமிழ் இலக்கிய வரலாறு - II	1838414	Employability & Skill Development	தமிழ் இலக்கியத்தின் மிகப்பெரும் பரப்பை மாணவர்கள் அறிந்துகொண்டு போட்டித் தேர்வில் வெற்றி பெறல்.
638	சங்க இலக்கியம் - அகம்	1838415	Employability & Skill Development	சங்க அகப்பாடல்களின் மூலகமாக பழந்தமிழனின் களவு, கற்பு வாழ்க்கைமுறைகளையும், சமூக நிலை போன்றவற்றை அவற்றின் பின்னணியோடு அறிந்துகொண்டு அதனைப் பகுப்பாய்வு செய்வது அறிவாற்றலை வளர்க்கும்.
639	யாப்பருங்கலக்காரிகை	1738516	Employability & Skill Development	யாப்பின் உறுப்புகளை அறிந்துகொண்டு பழந்தமிழ் நூல்களை யாப்பறிந்து, சீர் பிரித்து எளிதில் புரிந்துகொள்ளல்; மரபுக்கவிதை இயற்றுதல்.
640	தமிழ்மொழி வரலாறு	1738517	Employability & Skill Development	தமிழ் மொழியின் தொன்மை, நாகரிகத்தின் அடையாளம், மொழிக்கு உரிய சிறப்புகள், வாழ்வியல் சார்ந்தும்/ நிலப்பரப்பு சார்ந்த மொழி கூறுகளில் ஏற்படும் மாற்றங்கள் போன்றவற்றை அறிந்து கொள்ளுதல்.
641	தமிழ் இலக்கியத் திறனாய்வு	1738518	Employability & Skill Development	இலக்கியங்களைத் திறனாய்வு செய்யவும் அதனை எவ்வாறு படைப்பது என்பது குறித்த படைப்பாற்றலும் வளர்தல்.
642	தமிழகக் கோயிற்கலை	1738519	Employability & Skill Development	தமிழகத்தின் தொன்மையான, சிறந்த கட்டடக் கலை குறித்து அறிதல், இந்து சமய அறநிலையத்துறையில் வேலைவாய்ப்பு பெறும் வகையில் தன்னைத் தயார்படுத்திக் கொள்ளல்.
643	சங்க இலக்கியம் - புறம்	1738520	Employability & Skill Development	பழந்தமிழனின் கலை மற்றும் பண்பாட்டு ஆய்வுகளில் ஈடுபடத் தூண்டும்.
644	தண்டியலங்காரம்	1738521	Employability & Skill Development	பல்வகை அணிகளையும் அதன் அமைப்புமுறைகளையும் மாணவர்கள் அறிந்துகொண்டு பழந்தமிழ் நூல்களில் புதைந்துள்ள அணிகளைச் சுவைத்தல், ஆராய்தல், எளிதில் புரிந்துகொள்ள்தல், அணியிலக்கணம் தோய்ந்த மரபுக்கவிதை இயற்றுதல்.

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645	திராவிட மொழிகளின் ஒப்பாய்வு	1738622	Employability & Skill Development	மொழியியல் ஆய்வின் அடிப்படையில் திராவிட மொழிகளின் இயல்புகளைத் தனித்தனியாக விளக்கி, மொழிக்கும் மனித சமூகத்துக்கும் இடையிலான பிணைப்பை அறிவியல்முறை ஆய்வின் மூலம் அறிந்துகொள்ளுதல்.
646	நாட்டுப்புறவியல்	1738623	Employability & Skill Development	மாணவர்கள் இன்றைய ஊடகங்களில் பணி வாய்ப்பைப் பெறும்பொழுது நாட்டுப்புறக் கதைகள், பாடல்களை நிகழ்த்தி தனிப்பட்ட ஆளுமையாளராக சிறப்பைப் பெறுதல்
647	அடிப்படைக் கணினியியல்	1738624	Employability, Entrepreneurship & Skill Development	கணினியின் அமைப்பு, கணினியின் தலைமுறைகள், கல்விசார்ந்து கணினியின் பயன்பாடு, இணையத்தமிழ் வளர்ச்சி ஆகியனவற்றைப் பற்றிப் புரிந்துகொள்வதோடு பங்களிப்பு செய்வதையும் அறிந்துகொள்ளல்.
<b>B.A. Tamil Literature -38</b>				
624	PAPER – I – CONTEMPORARY LITERATURE - I (POEM & PROSE)	1938101	Employability & Skill Development	Creating and publishing poems with a focus on contemporary contents, working in the media.
625	GRAMMER – I - NANNOOL – EZHUTHHADHIGARAM	1938102	Employability & Skill Development	This subject helps in understanding the Tamil grammatical tradition and also helps in competitive examinations.
626	HISTORY AND CULTURE OF TAMIL NADU– I	1938103	Employability & Skill Development	This Subject is aimed at identifying oneself with the knowledge of ancient Tamil Language / Tamil antiquity, uniqueness, Landscape, foreign relationships, lifestyle, social status, Ethics, Arts.
627	APPLIED TAMIL (NME -1)	1938104	Employability, Entrepreneurship & Skill Development	Students can read, write and speak Tamil without error.
628	– CONTEMPORARY LITERATURE – II (SHORT STORIES, NOVELS, DRAMAS)	1938205	Employability & Skill Development	Understanding literary creation techniques such as short stories and novels.
629	GRAMMER – II- NANNOOL – CHOLLADHIGARAM	1938206	Employability & Skill Development	Effective expression of language based on Nannool : Solladhigaram.
630	THAMIZHAGA VARALAARUM PANPAADUM – II	1938207	Employability & Skill Development	It is set up to know the history and culture of Tamil Nadu and to win the competitive examinations.
631	JOURNALISM - AN INTRODUCTION (NME - 2)	1938208	Employability & Skill Development	Gain skills to work and manage print and visual media.
632	DEVOTIONAL LITERATURE AND PRABANDHANGAL	1938209	Employability & Skill Development	Students understanding that the life of Tamils is based on devotion and life.
633	GRAMMER – III – NAMBIYAGAPPORUL	1838310	Employability & Skill Development	Nambiyagapporul used for understanding and creation of Tamil literature.
634	HISTORY OF TAMIL LITERATURE – I	1838311	Employability & Skill Development	Students know the vast area of Tamil literature and win the competitive examination.
635	EPICS	1838412	Employability & Skill Development	Used to face entrance exams for teaching jobs.
636	GRAMMER – IV – PURAPPORUL VENPAMALAI	1838413	Employability & Skill Development	Students learn about the heroic feeling and delicious techniques of the "Pura" grammatical tradition by comparing it with Tamil literary songs.

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637	HISTORY OF TAMIL LITERATURE – II	1838414	Employability & Skill Development	Students know the vast area of Tamil literature and win the competitive examination.
638	– SANGAM LITERATURE - AGAM	1838415	Employability & Skill Development	Knowing and analyzing the "Kalavu Valkai", "Karpu Vazhkai" and social status of Ancient Tamils as an element of Sangam incarnations will develop cognition.
639	YAAPPARUNGALAK KAARIGAI	1738516	Employability & Skill Development	To understand the elements of Yappu and the Ancient Tamil Texts easily; Creating of Traditional Poem.
640	HISTORY OF TAMIL LANGUAGE	1738517	Employability & Skill Development	To know the antiquity of the Tamil language, the identity of the civilization, the peculiarities of the language, changes in the biological / geographical features of the language, etc.
641	TAMIL LITERARY REVIEW	178518	Employability & Skill Development	Developing reviewing knowledge of literature and know how to create literature.
642	TEMPLE ART OF TAMILS	1738519	Employability & Skill Development	To know about the ancient and best architecture of Tamil Nadu and to prepare oneself for employment in the Hindu Religious and Charitable Endowments Department.
643	SANGAM LITERATURE – PURAM	1738520	Employability & Skill Development	Encourages to engage in art and cultural studies of Ancient Tamils.
644	THANDIYALANGARAM	1738521	Employability & Skill Development	Students learn about the various Ani (Aesthetic) and their structures, taste, explore, easily understand the Ani buried in the ancient Tamil texts. And they can compose grammatical poetry.
645	DRAVIDIAN LANGUAGES AND ANALOGY	1738622	Employability & Skill Development	Explaining the nature of Dravidian languages individually on the basis of linguistic study and understanding the link between language and human society through scientific study.
646	FOLKLORISTICS	1738623	Employability & Skill Development	Performing folk tales and songs while students get a job in today's media and some students will excel as a personality.
647	BASIC COMPUTING	1738624	Employability, Entrepreneurship & Skill Development	Understand and contribute to computer system, computer generation, computer usage in educational field, and Internet development.
	<b>B.A., ENGLISH LITERATURE - 39</b>			
648	CLASSICAL LITERATURE	1939101	Employability, Skill Development	The students will be able to analyse the theme of Classicism and the contributions made by the great writers.
649	CHILDREN'S LITERATURE	1939102	Employability	The students will be able to explain the history of children's Literature and the importance and need for a study of Children's literature
650	SOCIAL HISTORY OF ENGLAND-I	1939103	Employability	The students will be able to evaluate the various poetic forms specific to the age and the writers of the prescribed periods in the history of English Literature
651	ADVERTISING AND PUBLIC RELATIONS	1930104	Employability, Entrepreneurship	The students will be able to understand the history of advertising and the importance of advertisements and PR
652	ELIZABETHIAN AGE	1939205	Employability	The students will be able to categorize the major forms and present a picture of the Elizabethan period
653	THE AUGUSTUAN AGE	1939206	Employability	The students will be able to categorize the major forms and present a picture of the Augustan period



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654	SOCIAL HISTORY OF ENGLAND-II	1939207	Employability	The students will be able to evaluate the various poetic forms specific to the age and the writers of the prescribed periods in the history of English Literature
655	COMMUNICATION AND BROADCASTING AND TELECASTING	1939208	Employability, Entrepreneurship, Skill Development	The students will be able to understand the importance of telecasting and identify the various methods in the process of developing the performance skills
656	THE ROMANTIC AGE	1839309	Employability	The students will be able to describe the famous works of William Wordsworth, William Blake and their contemporaries.
657	THE VICTORIAN AGE	1839310	Employability	The students will be able to describe and analyse the famous works of Victorian Age writers.
658	HISTORY OF ENGLISH LITERATURE AND LITERARY FORMS	1839311	Employability	The students will be able to evaluate the various poetic forms specific to the age and the writers of the period
659	THE MODERN AGE	1839412	Employability	The students will be able to identify the features of the Modern period against the historical and political background
660	ENGLISH LANGUAGE AND LINGUISTICS	1839413	Employability, Entrepreneurship	The students will be able to apply the knowledge of linguistics and explore the methodologies related to word formation and grammar
661	HISTORY OF ENGLISH LITERATURE AND LITERARY FORMS II	1839414	Employability, Skill Development	The students will be able to understand the basic principles of Journalism and mass communication
662	ENGLISH LANGUAGE AND TEACHING	1739515	Employability, Entrepreneurship, Skill Development	The students will be able to analyse and understand the various levels of development in the field of ELT
663	SHAKESPEARE	1739516	Employability	The students will be able to analyse the works of Shakespeare, the Theatre and Audience during his life time
664	AMERICAN LITERATURE	1739517	Employability	The students will be able to analyse and appreciate the history and works of American Literature
665	POST COLONIAL LITERATURE	1739518	Employability	The students will be able to identify the predominant themes and writings of postcolonial literature
666	JOURNALISM AND MASS COMMUNICATION	1739519	Employability, Entrepreneurship, Skill Development	The students will be able to identify and understand the importance of developing the language skills
667	CANADIAN LITERATURE	1739620	Employability	The students will be able to identify the predominant themes and writings of Canadian literature
668	WOMEN STUDIES	1739621	Employability	The students will be able to understand the emergence and objectives of Women's studies
669	INDIAN WRITING IN ENGLISH	1739622	Employability	The students will be able to understand classicism and identify the historical and cultural contexts of Indian Writings
670	TRANSLATION STUDIES	1739623	Employability, Entrepreneurship, Skill Development	The students will be able to understand the importance of Translation and identify the various methods in the process of translating texts
671	ENGLISH FOR CAREER	1739624	Employability, Entrepreneurship, Skill Development	The students will be able to understand the importance of English and identify the various career opportunities.



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B.A., BUSINESS ECONOMICS - 41				
672	MARKETING - I	1841309	Entrepreneurship	The students will learn about the process involved in new product development which will help them start while doing the business.
673	MONETARY ECONOMICS	1841310	Employability	The student learns the functions of RBI and commercial banks which will fetch them employment.
674	CORPORATE ACCOUNTING	1841311	Employability	The student will be able to prepare the final accounts of banking and insurance companies. This will be helpful in getting employment.
675	MARKETING II	1841412	Employability, Skill Development	The students will acquire the skills relating to e-marketing.
676	MANAGERIAL ECONOMICS	1841413	Employability, Entrepreneurship	The student learns about profit planning and capital management which will be helpful when he starts a new venture.
677	COST ACCOUNTING	1841414	Employability, Skill Development	The students will be able to prepare cost sheet and labour cost. He will be able to get employment after learning this.
678	MACRO ECONOMICS - I	1741515	Employability, Skill Development	The student acquires the skills relating to investment function and employment determination.
679	FISCAL ECONOMICS - I	1741516	Employability	The student learns about individual tax, wealth tax and property tax which will be helpful for employment
680	INTERNATIONAL ECONOMICS - I	1741517	Entrepreneurship, Skill Development	The student acquired the skill of understanding the tariffs and balance of payment
681	HUMAN RESOURCE MANAGEMENT	1741518	Employability, Skill Development	The student learnt the concepts involved in recruitment and selection which will help them get employment.
682	INCOME TAX	1741519	Employability, Skill Development	The student acquired the skill of assessing the previous year and assessment year.
683	MACRO ECONOMICS - II	1741620	Employability, Entrepreneurship	The student learnt the objective and importance of macro economic policy which will be helpful while he starts a new venture.
684	FISCAL ECONOMICS- II	1741621	Employability	The student learnt the objectives and instruments of fiscal policy which will be helpful for employment.
685	INTERNATIONAL ECONOMICS - II	1741622	Employability, Entrepreneurship	The student learnt about the different types of exchange rates which will be helpful when he starts a new venture
686	ENTREPRENEURIAL DEVELOPMENT	1741623	Entrepreneurship	The student learnt the basics of entrepreneurship which will make him start a new venture.
687	MANAGEMENT ACCOUNTING	1741624	Employability	The student will be able to prepare fund flow, cash flow statements and budgets which will fetch him employment.
B.A., CRIMINOLOGY - 42				
688	PRINCIPLES OF CRIMINOLOGY	1942101	Skill development	Apply the crime prevention methods to prevent crimes in their locality
689	CRIMINAL LAW	1942102	Skill development	Know all the important sections, concepts, principles and doctrines from the major laws by the end of the syllabus
690	BASICS OF FORENSIC SCIENCE AND MEDICINE	1942103	Skill development	Comprehend the various methods of identifying a person using forensic evidence



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691	NME1-CRIME AND DELINQUENCY	1942104	Skill development	Analyse the characteristics of juvenile delinquents with respect to socioeconomic status, gender and family background and risk factors of recidivism.
692	VIGILANCE AND SECURITY MANAGEMENT	1942205	Skill development, Employability	Learning and understanding vigilance and security aspects in this paper increases student's employability chances.
693	FUNDAMENTALS OF PSYCHOLOGY	1942206	Skill development	Apply the theories of personality in real world
694	SPECIAL LAWS	1942207	Skill development	Acquiring knowledge in special laws will helps the students to work efficiently in policy making process or other fields related to criminal justice system
695	NME2-FOUNDATIONS OF CRIMINAL JUSTICE SYSTEM	1942208	Skill development	Understand the significance of correctional institutions in reforming the criminals
696	HUMAN RIGHTS IN CRIMINAL JUSTICE ADMINISTRATION	1842309	Skill development	Understand the role of Human rights in Criminal Justice
697	SOCIAL PROBLEMS	1842310	Skill development	Understand the various violence committed against the vulnerable groups in the society
698	RESEARCH METHODS AND STATISTICS	1842311	Skill development	Demonstrate the difference between the various types of research and design and formulate hypothesis
699	PRISON ADMINISTRATION	1842412	Skill development	Recognize the various types of correctional methods and typology of prisons, prisoners
700	CYBERCRIME	1842413	Skill development	Knowledge about Tracking & Tracing Emails, Recovery of Digital Evidence, Setting up a Cyber Crime Investigation Cell
701	COUNSELLING AND GUIDANCE	1842415	Skill development, Employability	Apply the techniques of counseling in communication and interpersonal conversation in personal and professional setups.
702	POLICE ADMINISTRATION	1742501	Skill development	Realize the significance of different records maintained at the police station
703	POLICE STATION MANAGEMENT	1742517	Skill development	Remember the daily routine of the police station and understand the importance of modernization of police
704	VICTIMOLOGY	1742518	Skill development	Understand the necessity of victim assistance in the Criminal Justice System
705	COMPUTER APPLICATION IN CRIMINAL JUSTICE	1742519	Skill development	Learning on computerisation of Police Station records and use of Computers for effective Management of Police Stations
706	COMMUNITY POLICING	1742621	Skill development	Recognize the various community policing methods adopted in the various parts of the state.
707	CONTEMPORARY FORMS OF CRIME	1742622	Skill development	Learn about organized crimes the problems and difficulties in identification, preventing Organized crimes
708	PRIVATE DETECTIVE AND INVESTIGATION	1742623	Skill development, Employability,	Design and conduct investigations independently
	<b>B.A., SOCIOLOGY - 43</b>			
709	PRINCIPLES OF SOCIOLOGY I	1943101	Skill development, Employability	Students able to get knowledge about the Sociology and process of socialization
710	INDIAN SOCIETY	1943102	Employability	Students came to know about variations of westernization, Sanskritization and Industrialization
711	SOCIAL PSYCHOLOGY	1943103	Skill development	Students trained to be a good leader and personality



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712	NME - I INTRODUCTION TO SOCIOLOGY	1943104	Skill development, Employability	Students got basic knowledge about sociology.
713	PRINCIPLES OF SOCIOLOGY II	1943205	Skill development	Students able to explore about various important concepts of Sociology
714	SOCIAL PROBLEMS IN INDIA	1943206	Employability	Students realize about important social problems
715	SOCIAL ANTHROPOLOGY	1943207	Skill development	Students got more information about the life of tribes and community.
716	NME-II SOCIAL PROBLEMS	1943208	Employability	Students able to analyze various social problems
717	CLASSICAL SOCIAL THINKERS I	1843309	Skill development, Employability	Students able to understand about the pioneers of Sociologists and their contribution
718	SOCIAL MOVEMENTS IN INDIA	1843310	Employability	Students understand about the various social movements in India
719	SOCIAL DEMOGRAPHY	1843311	Skill development, Employability	Students got the skill of utilizing demographic profile and its importance
720	CLASSICAL SOCIAL THINKERS II	1843412	Skill development	Students acquired the sociological theoretical concepts.
721	RESEARCH METHODOLOGY AND STATISTICS	1843413	Skill development, Employability	Students trained about research methodology and statistics.
722	POLITICAL SOCIOLOGY	1843414	Skill development	Students able to know about the political system of India.
723	RURAL SOCIOLOGY	1743515	Skill development, Employability	Students able to get aware about the Rural Life and its Changes.
724	URBAN SOCIOLOGY	1743516	Skill development, Employability	Students understand about urban way of life.
725	INDUSTRIAL SOCIOLOGY	1743517	Skill development, Employability	Students got specialized about the industries and its function.
726	SOCIOLOGY OF DEVELOPMENT	1743518	Skill development, Employability	Students able to get knowledge about various development in society.
727	MEDICAL SOCIOLOGY	1743619	Skill development, Employability	Students get aware about the importance of health and its related issues.
728	COMMUNICATION, MEDIA AND SOCIETY	1743620	Skill development, Employability	Students got the skill of communication and role of media.
	<b>B.A. TTM - 44</b>			
729	HOSPITALITY MANAGEMENT	1844309	Employability	To learn the various management techniques in hospitality sectors
730	TOURISM ENTREPRENEURSHIP	1844310	Employability	To get the techniques to be employed as tour operator
731	ART AND ARCHITECTURE OF INDIA I	1844311	Employability	To know about the marketing environment and techniques
732	TOURISM MARKETING	1844412	Employability	To get the techniques to be employed as tour operator
733	FRONT OFFICE OPERATIONS	1844413	Employability	To know the techniques and get employed in hospitality sectors
734	ART AND ARCHITECTURE OF INDIA II	1844414	Employability	To know about the marketing environment and techniques
735	GLOBAL TOURISM	1744516	Employability	To learn more about world wide tourist places and get employed as tourist guide
736	HUMAN RESOURCE MANAGEMENT	1744517	Employability	To learn the various management techniques for human resources development
737	ECO TOURISM AND SUSTAINABLE DEVELOPMENT	1744518	Employability	To promote tourism at minimum cost
738	AIRPORT MANAGEMENT	1744519	Skill development	To learn the process of air ticketing
739	BASICS OF COMPUTERS	1744520	Skill development	To know the techniques of using computer in tourism
740	MEDICAL AND WELLNESS TOURISM	1744622	Employability	To learn the various management techniques in hospitality sectors



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741	TOURISM LAW AND ETHICS	1744623	Employability	To know the rights of tourists
742	EMERGING TRENDS IN TOURISM	1744624	Employability	To promote tourism at minimum cost
743	INFORMATION TECHNOLOGY IN TOURISM	1744625	Employment	To know the techniques of using computer in tourism
744	AIR TICKETING AND FARE CONSTRUCTION	1744626	Employment	To learn the process of air ticketing
<b>B.COM ACCOUNTING &amp; FINANCE - 45</b>				
745	FINANCIAL ACCOUNTING	1945101	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1. Recall the principles, concepts and conventions of accounting.</li> <li>2. Identify the reasons for the preparation of bank reconciliation statement and its application. Develop the knowledge about various accounting errors disclosed and not disclosed by the trial balance and the process of rectifying them.</li> <li>3. Prepare final accounts of a sole trader's concern and a non-profit organization.</li> <li>4. Build knowledge regarding meaning, causes and various methods of depreciation and its accounting procedure.</li> <li>5. Understand the meaning, purpose and computation of average due date and the preparation of account current.</li> <li>6. Understand the concept of fire insurance and the computation of claims under different circumstances.</li> </ol>
746	BUSINESS ECONOMICS	1945102	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1. Understand the fundamentals of business economics and meaning of technical terms associated with economics.</li> <li>2. Identify and understand the two key determinants – demand and supply</li> <li>3. Define the significance of consumer behavior</li> <li>4. Understand about theory of production and law of variable proportion.</li> <li>5. Explain the different types of cost and functions of production.</li> </ol> <p>State the importance of pricing, methods of pricing and price determination. (K1, K2, K3)</p>



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747	BUSINESS MATHEMATICS- I	1908104	Employability, skill development	<p>1.Restate the definition of sets, Differentiate the elements and sets, Demonstrate relation and function of sets</p> <p>2.Distinguish between permutation and combination, Solve the problem of binomial theorem, Summarize the concepts of exponential and logarithmic series (K3, K4, K5)</p> <p>3.Define the term ratio, Demonstrate the importance of proportions, Solve the problems on ratios, proportion and variance (K2, K3)</p> <p>4.Define the term differentiation, Explain the concept of maxima and minima of univariate functions, Judge and classify the concepts of maxima and minima (K3, K4, K5)</p> <p>5.Define the term interest, Point out of the important terms of annuity and banker's discount (K1, K2, K4)</p>
748	INTRODUCTION TO SUPPLY CHAIN MANAGEMENT	1945103	Entrepreneurship	<p>1.Outline the key concepts relating supply chain management and logistics management</p> <p>2.Identify the main drivers of supply chain performance and explain their role in supply chain</p> <p>3.Recommend the best mode of transportation under various situation and determine the various factors affecting transportation</p> <p>4.Explain the role of warehouse and the various types of warehouses</p> <p>5.Determine the importance of material handling and list out the various tools and equipment used for material handling</p> <p>6.Summarize the role of information technology in SCM</p>
749	ADVANCED FINANCIAL ACCOUNTING	1945204	Employability, Entrepreneurship	<p>1 Understand the need for preparing branch accounts and the methods for accounting the same at both cost and invoice price.</p> <p>2.Explain the concept of hire purchase system and instalment system, default and repossession, and its accounting treatment in the books of both parties.</p> <p>3.Solve concept of departmentalization and its accounting process by allocating and apportioning various expenses on a suitable basis.</p> <p>4.Understand the concept of partnership in business and the various accounting treatment during admission, retirement, death, dissolution and insolvency including sacrificing ratio and gaining ratio.</p> <p>5.Understand the accounting treatment of Dissolution of partners and Application of Garner Vs Murray's rule for Piecemeal Distribution.</p>
750	PRINCIPLES OF MANAGEMENT	1945205	Employability, Entrepreneurship	<p>1.Define the skills that are expected to be possessed by the manager.</p> <p>2.Restate the essentials of planning in management</p> <p>3.Sketch the various organizational structure adopted by any organization</p> <p>4.Analyze the role of recruitment, selection and training</p> <p>5.Understand the managerial aspects of controlling and coordinating</p>



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751	BUSINESS MATHEMATICS- II	1908211	Skill Development	<ol style="list-style-type: none"><li>1. Restate the definition of plane analytical geometry, Demonstrate the Cartesian coordinate system, Demonstrate gradient of straight line</li><li>2. Distinguish between arithmetic mean and geometric mean, Solve problem on arithmetic mean and geometric mean</li><li>3. Understand the concept of integral calculus, Demonstrate the meaning and rules of integration, Solve problems on integration by parts rule</li><li>4. Define the term interpolation, Explain the concept of binomial method, Judge and classify the concepts of Newton and Lagrange interpolation method</li><li>5. Define the term matrix, Point out the important terms of matrix inversion, solution to linear equation</li></ol>
752	E-COMMERCE	1945206	Employability, Entrepreneurship	<ol style="list-style-type: none"><li>1. Develop an in-depth knowledge about the concept of E-Commerce and spell out the benefits and limitations of the same.</li><li>2. Distinguish traditional Commerce and E-Commerce and determine the resources required for successful implementation of E-Commerce</li><li>3. Make use of various E-Commerce applications like E-Marketing, E-Shopping, E-Advertising, etc.</li><li>4. Assume the role played by Electronic Data Inter-change in the modern world</li><li>5. Maximize the usage of electronic payment systems like payment using credit cards, debit cards, electronic purses etc.</li></ol> Identify and make use of E-Marketing techniques (K1, K2, K3)
753	CORPORATE ACCOUNTING	1845307	Employability, Entrepreneurship	<ol style="list-style-type: none"><li>1. Understand the procedure of formation of a company, the procedures and accounting of issue of shares and underwriting</li><li>2. Develop knowledge about corporate accounting practices in conformity with the provisions of the Companies Act, 2013 and the latest amendments Apply Revised Schedule VI formats in preparation of company final accounts</li><li>3. Determine the procedures and accounting for redemption of preference shares and debentures</li><li>4. Determine the profit earned prior to incorporation and also understand the need for valuing of goodwill and shares and their valuation procedures</li><li>5. Distinguish the Amalgamation, Absorption and External Reconstruction, estimate the value of purchase consideration and determine the accounting procedures to be followed</li></ol>



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754	LEGAL SYSTEM IN BUSINESS	1845308	Entrepreneurship	<ol style="list-style-type: none"><li>1. Illustrate Indian contract Act 1872</li><li>2. Point out transactions involving Sale of Goods Act 1930</li><li>3. Recall and understanding the provisions regarding Partnership Act 1932 and LLP 2008</li><li>4. To build knowledge on the Companies Act 2013</li><li>5. Categorize and understand the various nuances of Intellectual Property Rights in India</li></ol>
755	BANKING THEORY LAW AND PRACTICE	1845309	Employability, Entrepreneurship	<ol style="list-style-type: none"><li>1. Understand and explain the conceptual framework of banking</li><li>2. Classify and demonstrate the types of deposits, cheques, loans and advances.</li><li>3. Illustrate the various electronic payment methods.</li><li>4. Explain primary and secondary functions of commercial banks, process of credit creation and Modern day banking methods – Internet banking, credit cards, debit cards, ECS, RTGS.</li><li>5. Apply the knowledge acquired in opening an account and carrying out banking transactions.</li><li>6. State the importance of customer relations and need for banking ombudsman</li></ol>
756	FINANCIAL MANAGEMENT	1845310	Employability, Entrepreneurship	<ol style="list-style-type: none"><li>1. Demonstrate an understanding of the overall role and importance of the finance function and gain basic knowledge of financial management.</li><li>2. Demonstrate understanding of the goals of the finance manager and identify funding sources, instruments and markets.</li><li>3. Demonstrate knowledge about the value of money over time, its uses and application.</li><li>4. Identify the firm's business and financial risk and the study the impact of leverage on the expected return, expected EPS and the risk borne by the shareholders' through its application.</li><li>5. Understand the factors that influence capital structure decisions of a business organization and their impact on the market value of the firm.</li></ol>



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757	BUSINESS STATISTICS & OR - I	1808322	Employability,	<p>1.Explain about Classification and tabulation of statistical data, Plot the Diagrammatic and graphical representation of data</p> <p>2.Explain about Central tendency and calculate various measures, Explain how Mean, median and mode are related in symmetric and skew symmetric distributions, Explain about Dispersion and calculate various measures, Estimate the coefficient of variation using standard deviation, Investigate the uniformity or consistency of a data using coefficient of variation, Interpret the concept of Skewness and methods to calculate its coefficient</p> <p>3.Define Correlation and its types, Calculate and interpret correlation between two variables, Apply Regression equations to estimate the values of unknown variables using the given data Rank the given data and examine the rank correlation</p> <p>4.Define the nature and features of operations research, Explain the term LPP, Formulate and model a linear programming problem, Solve an LPP using Graphical and Simplex method, Identify a feasible solution and optimum.</p> <p>ect and shine in all the fields</p> <p>plain basic components of Network Analysis and critical path, Define PERT and CPM, Construct the network using CPM &amp; PERT techniques to plan, schedule</p>
758	ADVANCED CORPORATE ACCOUNTING	1845411	Employability, Entrepreneurship	<p>1.Gain knowledge on meaning, process and accounting of internal reconstruction</p> <p>2.Distinguish holding and subsidiary company and gain knowledge on the accounting procedures to be followed in the preparation of the consolidated Balance Sheet of a holding company</p> <p>3.Gain knowledge on the accounting procedures of banking companies and its application</p> <p>4.Application the provision of the law in the preparation of the final accounts of insurance companies, life insurance as well as general insurance including fire insurance and marine insurance</p> <p>5.Determine the liquidator's remuneration payable in the event of liquidation</p> <p>6.Show how the assets are realized and liabilities are settled in the event of liquidation</p>



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759	ADVANCED FINANCIAL MANAGEMENT	1845412	Employability, Entrepreneurship	<ol style="list-style-type: none"><li>1.Appraise the risk profile of firms, understand the influences of economic and political factors on the cost of various sources of funds, and estimate the specific costs of capital being debt, preference and equity capital and the overall cost of capital, using financial data.</li><li>2.Understand the importance of capital budgeting and application of the various techniques for the evaluation of long term projects, their pros and cons and the basis of selection criteria of projects.</li><li>3.Understand the concept of working capital and its importance in a business, the factors that determine its quantum, the meaning and determination of operating cycle, and the computation of working capital.</li><li>4.Explain the key strategies and techniques used for managing cash, the determination of the best collection period for accounts receivables and techniques for effective management of inventory.</li><li>5.Understand the concept of dividend and justify the dividend strategies that support wealth maximization.</li></ol>
760	FINANCIAL SERVICES	1845413	Employability, Entrepreneurship	<ol style="list-style-type: none"><li>1.Summarize the components of Indian financial systems</li><li>2.Sketch the mechanism of Merchant banking and understand the capital market reforms</li><li>3.Compare the functions of various credit rating agencies</li><li>4.Recall the concepts relating to Leasing, Factoring, Venture Capital and Consumer Finance</li><li>5.Build knowledge on SEBI regulations related with Mutual Funds and Merchant banking</li></ol>
761	BUSINESS COMMUNICATION	1845414	Employability, Entrepreneurship	<ol style="list-style-type: none"><li>1.Cite the importance of business communication.</li><li>2.Explains the methods of communication</li><li>3.Explain the types of business letter under various contexts like interview, enquiry, sales letters.</li><li>4.State different letter forms like bank correspondence, insurance correspondence which is of practical importance.</li><li>5.Apply the knowledge to write a report and prepare agenda, minutes of meeting, office order, circular etc.</li><li>5.Apply the acquired knowledge on latest trends in communication like e-mail, video conferencing – internet.</li></ol>



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762	BUSINESS STATISTICS & OR - II	1808427	Employability,	<p>1.Explain the term Time Series, Classify the various components of time series Analyse the Seasonal and Cyclical pattern in series of time</p> <p>2.Interpret the indices to identify trends in a data set, Construct simple and weighted price, quantity and value indices, Use the consumer price index to determine the purchasing power</p> <p>3.Explain basic probability axioms and rule, Calculate probabilities by using Addition and Multiplication law, with the the terms independent and mutually exclusive events, Apply Baye's Theorem to sole real world events</p> <p>4.Explain the Transportation Problem and formulate it as LPP and solve the problem, Determine that an Assignment problem is a special case of LPP and evaluate using Hungarian method</p> <p>5.Define various terms and rules used Game Theory, Identify strategic situations and represent them as games, Compute general solution of <math>m \times n</math> rectangular games</p> <p>•Demonstrate graphical solution for <math>m \times 2</math> and <math>2 \times n</math> games</p>
763	COST ACCOUNTING	1745515	Employability, Entrepreneurship	<p>1.Demonstrate the basic concept of cost and how costs are presented in financial statements.</p> <p>2.Compute the cost of a product by preparing a cost sheet and quotation for a production industry.</p> <p>3.Prepare stores ledger to value closing stock and the cost of goods sold or sent for production.</p> <p>4.Discover the need for fixing stock levels for production and its computation.</p> <p>5.Understand the different wage payment systems and their computation, the concept of labour cost and labour turnover and their computation.</p> <p>6.Develop the knowledge regarding overheads and concept of allocation and apportionment of overheads to various departments on suitable basis.</p>
764	INCOME TAX LAW AND PRACTICE - I	1745516	Employability, Entrepreneurship, skill devleopment	<p>1.Examine the basic concepts of schedules rate of tax liability, the basic concepts of income tax, total income and different heads</p> <p>2.Apply and practice the computation of salary income</p> <p>3.Produce annual value of house property and computation under different circumstances.</p> <p>4.Define the allowable and non allowable expenses and provisions relating to income from business profession are dealt with.</p> <p>5.Define income tax authorities and their role</p>



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765	PRACTICAL AUDITING	1745517	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1.Understand the basic auditing principles, concepts, planning an audit and due diligence</li> <li>2.Illustrate the steps required to perform internal control and internal check, vouching,.verification and valuation of assets and liabilities.</li> <li>3.Understand the concept of depreciation &amp; provisions</li> <li>4.Pronounce the qualification for a company auditor and procedure for his appointment and removal.</li> <li>5.Apply auditing in computerized environment and its utility in practical business.</li> </ol>
766	ENTREPRENEURSHIP DEVELOPMENT AND NEW VENTURE PLANNING	1745518	Entrepreneurship	<ol style="list-style-type: none"> <li>1.Understand the basic concepts of entrepreneurship</li> <li>2.Develop a B-Plan</li> <li>3.Understand the various institutions providing support to entrepreneurial ventures</li> <li>4.Analyze the favorable environment required to run the venture successfully and the role of the government</li> <li>5.Criticize the challenges faced by women and rural entrepreneurs</li> </ol>
767	PRINCIPLES OF INVESTMENT MANAGEMENT	1745519	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1.Understandthedifferences between Investment andSpeculation and list outthe essentials of a good investment programme</li> <li>2.Analyzetherelationshipbetween risk&amp;return and determine the methods for minimizing risk</li> <li>3.Identify the various investment alternatives available</li> <li>4.Improve their knowledge relating capital markets and the regulatory authorities</li> <li>5.Analyze the factors determining the suitability of an investment.</li> <li>6.Understand the various derivative products like forwards, futures, options and swaps and explain the various mutual fund schemes</li> </ol>
768	MANAGEMENT ACCOUNTING	1745620	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1.Recall the importance of Management accounting and Imbibe critical thinking skills to analyze financial statements.</li> <li>2.Evaluate the financial position of the business by using ratio analysis.</li> <li>3.Apply the financial statement like Cash flow statement and Fund flow statement in decision making process.</li> <li>4.Provide the knowledge about budget, budgetary control and able to prepare various form of budget for the business.</li> <li>5.Analyze Cost-volume-Profit techniques to determine Optimal managerial decisions like make or buy decisions, shut down or continue.</li> </ol>
769	ADVANCED COST ACCOUNTING	1745621	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1.List the costing procedures</li> <li>2.Apply operating cost techniques in service industry</li> <li>3.Prepare process accounts for manufacturing concern</li> <li>4.Ascertain notional profits for various contracts</li> <li>5.Analyse new costing techniques</li> </ol>



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770	INCOME TAX LAW AND PRACTICE II	1745622	Employability, Entrepreneurship, skill development	<ol style="list-style-type: none"> <li>1. Identify short term and long term capital gains and their related deductions</li> <li>2. Explain the concept of income from other sources like gift, Dividend etc and their computation</li> <li>3. List the procedures for set off and carry forward of losses</li> <li>4. Apply and practice the permissible deductions from gross total income as per 80 C to 80 U and computation of tax liability</li> <li>5. Define TDS and deductions of filing IT return</li> <li>6. State the assessment procedures.</li> </ol>
771	GST	1745623	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1. Understand the concept of Direct and Indirect Tax and custom laws</li> <li>2. Build knowledge on concepts of GST</li> <li>3. Classify the Goods and services exempted from tax and understand the procedures of registration and collection of tax</li> <li>4. Develop Knowledge about Input Tax credit</li> <li>5. Understand the taxability procedure on Goods and services</li> </ol>
772	CORPORATE FINANCE	1745624	Employability, Entrepreneurship	<ol style="list-style-type: none"> <li>1. Explain the concepts and underlying principles of corporate finance</li> <li>2. Outline the benefits of corporate governance and determine the ethical issues in finance</li> <li>3. Summarize and elaborate the importance of Corporate Social Responsibility in business</li> <li>4. Explain the need and importance of corporate financial planning</li> <li>5. Identify the various methods of corporate restructuring and financial restructuring</li> <li>6. Explain the basic concepts of International Money Market</li> </ol>
	<b>B.SC., INTERIOR DESIGN &amp; DÉCOR - 46</b>			
773	FURNITURE DESIGN	1846310	Employability	The student can get employment in furniture industry
774	LIGHTING AND LIGHTING FIXTURE	1846311	Entrepreneurship	The student can begin his own venture on lighting fixtures for corporate and households
775	APPLIED ART AND SCULPTURE	1846413	Employability	The student will learn to apply art work on sculptures and get employment in designing.
776	FIBRE TO FABRIC	1846414	Skill Development	The student can develop his skills on creating different kinds of fabric
777	ERGONOMICS IN INTERIOR	1746516	Employability	The students will learn about green environment and can get employed in Corporates
778	APPLIED ART ON TEXTILES	1746517	Employability	The student will learn to apply art work on Textiles and get employment in designing textile garments.
779	ART AND ARCHITECTURE- WESTERN	1746518	Entrepreneurship	The student can turn into entrepreneurs in the architecture line.
780	BASICS OF NUTRITION	1746519	Employability	The students will learn about all aspects of nutrition and get employed as a dietician.
781	ADVERTISING AND GRAPHIC DESIGN	1746520	Employability	The student will learn about the techniques of advertising and get employment in corporates



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782	SURFACE FINISHES	1746621	Employability	The student will learn about the different kinds of polishing, painting and can get self employed
783	ART AND ARCHITECTURE- INDIAN	1746622	Entrepreneurship	The student can turn into entrepreneurs in the architecture line.
784	PRINCIPLES OF RESOURCE MANAGEMENT	1746623	Employability	The student will learn to complete the work with minimum resources
785	LANDSCAPE AND FLORICULTURE DESIGN	1746624	Entrepreneurship	The student can start his own business in providing landscape consultancy
786	BASICS OF DECORATIVE STYLE AND INDIAN INTERIORS	1746625	Skill Development	The student will develop the skill of various styles of interior decoration
787	DESIGN BASICS	1946104	Skill Development	The student will learn skills on designing buildings
788	ART IN INTERIOR DECORATION	1946208	Entrepreneurship	The student can turn into entrepreneurs in the architecture line.
	<b>B.SC., PSYCHOLOGY - 47</b>			
789	GENERAL PSYCHOLOGY- I	1947101	Employability, Skill development	Understand the Scope and branches of psychology and various applications of Learning theories and Memory improving techniques
790	BIOLOGICAL BASIS OF BEHAVIOR - 1	1947102	Employability, Entrepreneurship	Able to design and conduct research with ethical knowledge. Understand Structure, Function and process of Nervous system
791	PRINCIPLES OF SOCIOLOGY	1947103	Employability	Able to analyse the dynamics of society and human interaction in a multicultural setting and to imply inclusivity in diversity.
792	NME:- STRESS AND COPING	1947104	Employability	Critically analyse and evaluate various leadership styles, teamwork process in work setting and to investigate the role of culture and climate in organisational development and change
793	GENERAL PSYCHOLOGY -2	1947205	Employability, Skill development	Understand and evaluate the major concepts of Psychology like Intelligence, Emotions, Motivation, Personality and its measures
794	BIOLOGICAL BASIS OF BEHAVIOR - 2	1947206	Employability, Entrepreneurship, Skill development	Able to develop intricate understanding about human sensory - neural system and various forms of disorders. Also gain knowledge on what brain damage mean, what it can lead to it and how it can be prevented?
795	FUNDAMENTALS OF SOCIAL ANTHROPOLOGY	1947207	Employability, Entrepreneurship	Able to deduce the role of Family, Kinship, Marriage and political setup in Human Development and Examine the nature of reward and punishment in the development of antisocial behaviour and assessing various methods to prevent it.
796	BUILDING PSYCHOLOGICAL	1947208	Employability	Able to gather valuable information on Life insurance products- term-whole life-endowment
797	DEVELOPMENTAL PSYCHOLOGY 1	1847309	Employability, Entrepreneurship, Skill development	Able to display the Knowledge on various stages of human development from fertilization until adolescence, and critically analyse the challenges faced at each developmental stage and appraise methods to deal with the challenges.
798	STATISTICS IN PSYCHOLOGY	1847310	Employability, Entrepreneurship	Able to examine various statistical tools, its methods and its usage in conducting research and in interpretation of research results.
799	DEVELOPMENTAL PSYCHOLOGY 2	1847412	Employability, Entrepreneurship	Able to display the Knowledge on various stages of human development from adolescence to old age and critically analyse the challenges faced at each developmental stage and appraise methods to deal with the challenges.
800	MARKETING AND CONSUMER BEHAVIOR	1847413	Employability, Entrepreneurship	Able to analyse the dynamics of market and marketing strategies to enhance consumer behaviour.



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801	PSYCHOPATHOLOGY -1	1747515	Employability, Entrepreneurship	Understand the etiology and risk factors of abnormal behaviour. able to imply the knowledge of DSM categorisation of abnormality. analyse various type of anxiety , somatoform disorders. Able to critically evaluate various preventive and treatment procedures
802	PSYCHOLOGICAL RESEARCH AND MEASUREMENT	1747516	Employability, Entrepreneurship, Skill development	Able to conduct and write a complete research report by gaining knowledge of various research designs, sampling techniques and methodologies
803	APPLIED PSYCHOLOGY	1747517	Employability, Entrepreneurship, Skill development	Sketch and determine the role of psychology and psychologists in various spectrums like cognitive psychology, community psychology , school psychology
804	SOCIAL PSYCHOLOGY I	1747518	Employability, Entrepreneurship	Understanding human behaviour in social setting. Analyse various social psychology concepts like social cognition, Attitude formation in explaining human behaviour.
805	PSYCHOPATHOLOGY II	1747620	Employability, Entrepreneurship	Critically analyse the etiology and Symptoms of various disorders like, mood disorders, Schizophrenia, personality disorders, drug addiction behaviour and sexual dysfunctions. Able to critically evaluate various preventive and treatment procedures
806	ORGANISATIONAL PSYCHOLOGY	1747621	Employability, Entrepreneurship	Critically analyse and evaluate various leadership styles, teamwork process in work setting and to investigate the role of culture and climate in organisational development and change
807	SOCIAL PSYCHOLOGY - 2	1747622	Employability, Entrepreneurship	Understanding human behaviour in social setting. Analyse various social psychology in explaining human behaviours like Prejudism, stereotyping , aggression etc
<b>M. A JOURNALISM - 48</b>				
808	HUMAN COMMUNICATION	1948101	Employability	Enable effective communication, Enhance group output
809	REPORTING AND WRITING SKILLS	1948102	Employability, Skill Development	Enhance the reporting skills, Develop effective writing skills
810	EDITING SKILLS	1948103	Employability, Skill Development	Improve editing skills in print media, Design and create page layouts
811	INFORMATION AND COMMUNICATION TECHNOLOGY	1948104	Employability	Using ICTs for effective communication, Empowering students with Developmental communication skills
812	PHOTOGRAPHY	1948105	Employability, Entrepreneurship, Skill Development	Developing photography skills, Enabling a student to be a photojournalist
813	ELECTIVE - II : MEDIA SKILLS	1948106	Employability	Improve Designing Skills, Journal Publication
814	MASS COMMUNICATION THEORIES	1948207	Employability	Analyze News, Develop public communication strategies
815	MEDIA,CULTURE AND SOCIETY	1948208	Employability	Analyze media content, Create effective media text



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816	COMMUNICATION RESEARCH METHODS	1948209	Employability	Device effective sampling techniques for research, Ability to collect data for research
817	NEWS PRODUCTION	1948210	Employability, Skill Development	Gather News, Create News Content for radio and television
818	ONLINE JOURNALISM AND WEB MANAGEMENT	1948211	Employability, Entrepreneurship, Skill Development	Expertise in Online Journalism tools, Creating content for online media
819	ELECTIVE - IV : MEDIA MANAGEMENT	1848313	Employability	Enhance the Media Management skills, Develop Programming Strategies for project management
820	ELECTIVE - V : ADVERTISING	1848314	Employability	Create and manage Brands, Develop copywriting skills
821	RADIO NEWS PRODUCTION	1848317	Employability, Skill Development	Create radio news content, Develop presentation skills
822	ELECTIVE - VII : MEDIA LAWS AND ETHICS	1848418	Employability	Familiarise the students with the intellectual property rights and cyber laws, Create media content in accordance with the constitutional and media laws
823	FILM STUDIES	1848419	Employability	Identify the elements of film and appreciate the nuances of film making, Ability to critically analyze a film
824	SPECIALISATION	1848420	Employability	Develop news gathering skills, Produce news stories, Enrich journalistic skills
825	AUDIO VISUAL PRODUCTION	1848421	Employability, Entrepreneurship, Skill Development	Audio Visuals creation, Technical expertise in Production
<b>M.PHIL ECONOMICS - 51</b>				
826	INTRODUCTION TO RESEARCH METHODS IN ECONOMICS	1951101	Skill Development	The student acquires skills to analyse cross section data
827	ECONOMIC THEORY	1951102	Employability	The student learns about the behavior under uncertainty which improves his employment potential.
828	SELECTED ISSUES IN INDIAN ECONOMIC DEVELOPMENT	1951103	Employability	The student learns about the functioning of the Indian economy and the Indian Financial system which improves his employment opportunities.
<b>M.PHIL COMMERCE - 52</b>				
829	RESEARCH METHODOLOGY	1952101	Employability	Identify appropriate research topic and to create an understanding on measurement and scaling techniques. Analyse the importance of Hypothesis and apply and test Hypothesis. Evaluating the various Methods of Data collection for business and social science research and conduct pilot study. Processing and Analysing Data using Appropriate Statistical Tools Apply principles of report writing and Draft Dissertation



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830	ADVANCED FINANCIAL MANAGEMENT	1952102	Employability	Generate ideas on appropriate source and application of funds towards effective financial management, Evaluate the various investment options based on specified criteria Identify the various assumptions pertaining to different dividend policies selection of appropriate policy. Assess the factors affecting working capital and its calculation. AdditionaTo deliberate on merger/ acquisition options, and the role of different finaservices. Construct a security portfolio considering relevant theories and their implications. Critically evaluate the impact of financial decisions on the strategic direof the organisation Analyse the company's performance and make proper recommendations.
831	ADVANCED MARKETING	1952103	Employability	Familiarize with the fundamentals of marketing of product, securities, services and market segmentation. Understand the nuances and complexities involved in product, pricing distribution and promotion policies. Analyze the distribution cost and risk management. Demonstrate the marketing ethics and legal provision of marketing, Introduce the concept of Supply Chain Management, Retail Marketing, Branding. Develop market analysis skills to capture market opportunities. Articulate in-depth understanding of a range of contemporary markeissues, theories & practices.
<b>M.PHIL BIOCHEMISTRY - 55</b>				
832	RESEARCH METHODOLOGY	1955101	Employability, Skill Development	Employ the correct sampling techniques and use statistical tools appropriate for the same Demonstrate the ability to choose appropriate methods to achieve research aims and objectives Develop advanced critical thinking skills and enhanced scientific writing skills Understand intellectual property rights and how to protect the same
833	ADVANCED BIOCHEMISTRY	1955102	Employability, Skill Development	Understand the major metabolic pathways of carbohydrate, lipid, nucleic acid and amino acid metabolism. Apply modern techniques to investigate interactions between macromolecules (DNA, RNA and proteins). Demonstrate the types of plant and animal tissue culture and can become entrepreneurs.
834	DNA TECHNIQUES & ITS CLINICAL APPLICATIONS	1955103	Employability, Skill Development	Understand the applications of DNA technology in basic and applied experimental biology. Gain Proficiency in designing and conducting experiments involving genetic manipulation. Employ PCR, nucleic acid hybridization and sequencing technologies for detection and diagnostics.
835	ENZYMES & ENZYME TECHNOLOGY	1955103	Employability, Skill Development	Explore the extraction of enzymes and down streaming process Understand the types and techniques employed in immobilization Learn the principle and application of ELISA and EMIT in clinical analysis, types of biosensor. Biochips and it applications. Exposure to the nature of non-protein enzymes such as ribozymes and abzymes. Explore the role of enzymes in in rDNA technology.



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836	PLANT BIOCHEMISTRY & PLANT THERAPEUTICS	1955103	Employability, Skill Development	Explore the chemical events that cause biological phenomena in living organisms Carry out experiments in R & D. Work with Rsearch guides to produce GMO'S.
<b>M.PHIL MICROBIOLOGY - 56</b>				
837	RESEARCH METHODOLOGY AND ITS APPLICATIONS	1956101	Employability, Skill Development	At the end of the course, the student will able to •To execute research by applying the principles of research methodology. •To apply various analytical techniques for research. •Explore and recognize the statistical modeling and computer application concepts for research.
838	ADVANCES IN MICROBIOLOGY	1956102	Employability, Entrepreneurship, Skill Development	At the end of the course, the student will able to •Understand the concepts and significance of industrially important products from microbes. •Describe the different biofuels, their advantages and applications. •Exemplify the effect of biomolecules and nanoparticles to imply on innovative applications.
839	INDUSTRIAL AND PHARMACEUTICAL MICROBIOLOGY	1956103	Employability	At the end of the course, the student will able to •Identify the ethics of significant unit processes used in downstream processing for a range of commercially significant products. •Formulate antibiotics, therapeutic enzymes and immunological products and apply Standard procedures in pharmaceutical industry •Build knowledge with the basics of Pharmaceutical safety regulations, control agencies of quality control and gain knowledge about sterilization control
840	BIOREMEDIATION	1956103	Employability	At the end of the course, the student will able to •To understand the importance and concepts of bioremediation process. •Provide appropriate scientific knowledge on real-world applications of bioremediation
<b>B.A JOURNALISM - 61</b>				
841	BASIC JOURNALISM	1961101	Employability, Skill Development, Entrepreneurship	The student will be able to utilize the knowledge gained to make decisions while in action .He can make use of ethical practices in profession. He can create new stories
842	HISTORY OF PRESS IN INDIA	1961102	Employability	The student will develop knowledge in different printing technologies, processes and recent trends in publishing industry
843	DESKTOP PUBLISHING	1961103	Entrepreneurship	The student will be able to create a DTP work using Adobe InDesign and Photoshop. He will be able to make use of suitable elements of design for attractive layout
844	HISTORY OF JOURNALISM IN ASIA	1961104	Employability	The student can evaluate press system in SAARC countries
845	PRINTING AND PUBLICATION DESIGN	1961205	Skill Development	The student will be able to access the recent technological development of printing processes. He will be able to recommend specific type of paper and printing technology for economical production of a newspaper
846	SOCIAL ISSUES IN INDIA	1961206	Employability	The students can create news reports on social issues



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847	WEB PAGE DESIGN	1961207	Entrepreneurship	The students can create a web page design using Dream Weaver and Photoshop . He will be able to apply the Principles of Designing to create striking webpages
848	HISTORY OF SOUTH INDIAN ART	1961208	Employability	The student can appraise the importance of Brihadishwara temple
	<b>B.COM FINANCE &amp; TAXATION - 62</b>			
849	BUSINESS ACCOUNTING	1962101	Employability, Skill Development	To enable the students to know the Principles of Accounting in General. and to Understand the System of Keeping Financial Accounting Records.
850	BUSINESS ECONOMICS	1962102	Employability, Entrepreneurship	To facilitate the understanding of the relevance and need of the Economics in the Current Scenario and To customize the importance of Business Economics and its relevance in market conditions.
851	INFORMATION TECHNOLOGY	1962103	Skill Development	To facilitate the understanding of the relevance and need of information Technology in the business and To apply the importance IT Applications in commerce domain
852	BASICS OF RETAIL MARKETING	1962104	Entrepreneurship	To identify and learn the nuances of Retail marketing concepts with specific reference to India
853	FINANCIAL ACCOUNTING	1962205	Employability	To enable the students to know the Principles of Accounting related to the commerce domain and To gain working knowledge on the special transactions relating to the business .
854	PRINCIPLES OF MANAGEMENT	1962206	Entrepreneurship, Employability	To understand the concepts of Management and its application in modern business, and to identify the various functions of management.
855	ETHICS AND CORPORATE GOVERNANCE	1962207	Employability	To understand the evolution and genesis of corporate governance globally and facilitate the understanding of ethics & corporate governance and its relevance to the business
856	BASICS OF BUSINESS INSURANCE	1962208	Entrepreneurship, Employability	To study the basics of Insurance, its inception in India and to know about the various insurance product and services.
	<b>B.COM MARKETING MANAGEMENT - 63</b>			
857	FINANCIAL ACCOUNTING	1963101	Employability	It enables the students to have a grip over the basic concepts of Accounting cycle and preparation of final Accounts.
858	BUSINESS ECONOMICS	1963102	Employability	It helps the students to have intensive knowledge on Current Scenario in Economics and its relevance in market conditions
859	BUSINESS COMMUNICATION	1963103	Skill Development	It helps the students to have basic knowledge on the concept of Communication and Basic Techniques of the Modern forms of Communication.
860	BASICS OF RETAIL MARKETING	1963104	Employability	It helps the students to have basic outline on the topic of Retail Marketing and e-tailing and Supply chain management.
861	ADVANCED FINANCIAL ACCOUNTING	1963201	Employability	It helps the students to gain working knowledge on the special transactions relating to the marketing field
862	MARKETING MANAGEMENT	1963202	Entrepreneurship, Employability	It helps them to gain the knowledge on the students understand the Functions of Marketing and its strategies.
863	BUSINESS REGULATORY FRAMEWORK	1963203	Employability	It provides the basic knowledge to the students about legal framework related to the business and the relevance of legal aspects, Legal Remedies in business and marketing.



# DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence, Linguistic Minority Institution

Affiliated to University of Madras

Arumbakkam, Chennai 600 106

864	BASICS OF BUSINESS INSURANCE	1963208	Employability	It provides the theoretical knowledge about legal framework related to the Insurance business and the relevance of type of Insurance .
<b>B.SC., STATISTICS - 64</b>				
865	DESCRIPTIVE STATISTICS	1964101	Employability	The student will be able to analyze statistical data using measures of central tendency, dispersion and location.
866	MATHEMATICS FOR STATISTICS-I	1964102	Employability	The student has obtained the knowledge of inverse of a matrix using Cayley Hamilton theorem and definite integrals – Reduction formula
867	FUNDAMENTALS OF ACCOUNTING	1964103	Employability	The student has obtained the knowledge of organize, manage and present data
868	PROBABILITY AND RANDOM VARIABLES	1964204	Employability	The student will be able to calculate probabilities, and derive the marginal and conditional distributions of bivariate random variables
869	MATHEMATICS FOR STATISTICS-II	1964205	Employability	The student has obtained the knowledge of relationship between Gamma and Beta function and Laplacetransforms and inverse Laplace transforms
870	BASICS OF PROBABILITY	1964207	Employability	The student has acquired the knowledge of real life data and translate real-world problems into probability models
<b>M. A. ENGLISH - 65</b>				
871	SPOKEN ENGLISH	1965106	Employability & Skill Development	The course aims at equipping the students in the skills of oral communication.
872	ENGLISH FOR PROFESSIONAL COMMUNICATION	1965211	Employability & Skill Development	To equip students with the necessary competence to develop communication skills.
873	ELECTIVE PAPER III- ENGLISH FOR CAREERS	1965212	Employability & Skill Development	To equip students with the necessary competence required for emerging areas in the field of Knowledge Management; to develop mastery over presentation skills.

  
**PRINCIPAL**  
Dwaraka Doss Goverdhan Doss  
Vaishnav College  
Arumbakkam, Chennai - 600106.