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# SACRED HEART COLLEGE (AUTONOMOUS)

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A Don Bosco Institution of Higher Education, Founded in 1951 \* Affiliated to Thiruvalluvar University, Vellore \* Autonomous since 1987

Accredited by NAAC (4<sup>th</sup> Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

## Employability

### BA Economics

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1.	Core: Economic Thought	E120	BA Economics	<b>Employability</b> Content: Division of labour, capital and interest, Liquidity Preference. Activities: Hands-on-experience in an industry and working place.	2021-22
2.	Core: Statistics for Economics	E121	BA Economics	<b>Employability:</b> Contents: Correlation and Regression Activities: Calculate Correlation between Price and Demand for Goods from the data with available in the near by market, Use data from previous day's lesson to create dot plots, Project on Different types of Correlation	2021-22

3.	Core: Micro Economics – I	E218	BA Economics	<p><b>Employability</b>  Content: Demand, Production , Supply, Cost and Revenue.  Activities: Hands-on- Experience in Analysing Production, Demand, Supply, Cost and Revenue in the Consumer Market; Survey of Pricing in Different Markets - Study of Consumption Pattern</p>	2021-22
4.	Core: Mathematics for Economics	E219	BA Economics	<p><b>Employability</b>  Content: Consumer’s Surplus and Producer’s Surplus  Activities:Interactive Sessions, Assignment and Flow Chart</p>	2021-22
5.	Core: Micro Economics – II	E317	BA Economics	<p><b>Employability</b>  Content: Market structure, cost and revenue, equilibrium, factor pricing, trade union and collective bargaining.  Activities: Hands on experience, seminars, case studies.</p>	2021-22
6.	Core: Macro Economics – I	E318	BA Economics	<p><b>Employability</b>  Content: Keynesian Psylogical Law, Liquidity Trap, Autonomous and Induced Investment  Activities:Case Study of Consumption and Investment Function</p>	2021-22
7.	Core: Macro Economics –II	E419	BA Economics	<p><b>Employability</b>  Content: Demand for Money and Supply of</p>	2021-22

				Money, Inflation, Deflation and Macro Economic Policies. Activities: Case study on Circulation of money and measuring inflation rate through Price Index Number (PIN).	
8.	Core: Industrial Economics	E420	BA Economics	<b>Employability</b> Content: Sectoral linkages, special economic zones, large scale industries, industrial productivity, industrial finance, new industrial policy Activities: Case studies, industrial visit, group discussion	2021-22
9.	Core: International Economics	E543	BA Economics	<b>Employability</b> Content: Characteristics of International Trade, Terms of Trades, Tariffs, Balance of Trade, Balance of Payments, Foreign Exchange Markets and Control Foreign Direct Investment. Activities: PPT Presentation on International Trades, Participating in the Group Discussion based on PPT Presentation and Discussion on International affairs based on News.	2021-22

10.	Core: Fiscal Economics – I	E544	BA Economics	<p><b>Employability</b>  Content : Nature and Scope of fiscal Economics-Public and Private Finance-Principkles of Maximum Social Advantage - Public Expenditure and Public Revenue and Taxation- Types of Taxes and Duties -Taxable Capacity-Ability to Pay theory and Burden of Tax  Activities : Assignment,Seminars,Attending various seminars and conferences.</p>	2021-22
11.	Core: Indian Economy	E545	BA Economics	<p><b>Employability</b>  Content: Characteristics of Indian Economy, Industry and Service sector, Unemployment and Poverty.  Activities: Presentation on Industry and Service sector, Group Discussion, Assignments.</p>	2021-22
12.	Core: Monetary Economics – I	E546	BA Economics	<p><b>Employability</b>  Content: Money, Monetary Standards, Indian Banking System, Central Banking, Commercial Banking, Economic Development.  Activities: Experience based on Money handling, Monetary Aspects, Reserve Repo Rate,Banking system,</p>	2021-22
13.	Elective:1.Managerial Economics	E547A	BA Economics	<p><b>Employability</b>  Content: Cost analysis, revenue analysis, pricing strategies, capital budgeting</p>	2021-22

				Activities: Hands on experience on cost, revenue, pricing strategies and capital budgeting	
14.	Elective:2.Basic Econometrics	E547B	BA Economics	<b>Employability:</b> Content:Econometric models, regression analysis, estimation of simultaneous equation methods, engel's law, slutsky's theorem, consumption function and production function Activities: hands on training, practicals, mini project	2021-22
15.	Elective:3.Human Resource Management	E547C	BA Economics	<b>Employability</b> Content: Job Design, Recruitment, Training Activities: Visit Industries, Report Writing, Seminar	2021-22
16.	Non-Major Elective – I: Basic Economics	NEC503	BA Economics	<b>Employability</b> Content: Demand, Supply, Cost, Revenue, National Income, Inventory and Banking Activities: Hands on Experience in Analysing the market demand and supply, national income and inventory methods.	2021-22
17.	Core: Monetary Economics – II	E644	BA Economics	<b>Employability</b> Content: Indian currency system, money, money market, IMIs. Activities: Hands-on-training with supply and demand for money by using household income, money market, etc..	2021-22

18.	Core: Fiscal Economics – II	E645	BA Economics	<p><b>Employability</b></p> <p>Content: Public Debt- Redemption of Public Debt -Federal and Local Governments : Their powers, Functions and Financial Resources- Deficit Financing and its Effects - General Budget preparation and presentation -and Fiscal Policy and its objectives and Instruments and recent Central Budget.</p> <p>Activities: Assignment, Seminars, Attending various seminars, Audio and video presentation of Budget presentation and conferences.</p>	2021-22
19.	Subject Skill: Basic Computer and its Application	E647	BA Economics	<p><b>Employability</b></p> <p>Content: Basic concepts related to Computer pertaining to MS Word, Excel, Power point, Internet Fundamentals, Functions of SPSS, entering data in SPSS Sheet, file management, defining variables, output &amp; file management.</p> <p>Activities: PPT Presentation on the concepts, Hands on training with different applications in the given syllabus.</p>	2021-22

## MA Economics

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Advanced Micro Economic Theory – I	E748	MA Economics	<b>Employability</b> Content: Demand, Ordinal Utility function, Production and Cost. Activities: Hands-on- Experience in Analysing Production, Demand, Supply, Cost and Revenue in the Consumer Market; Survey of Pricing in Different Markets - Study of Consumption Pattern	2021-22
2	Advanced Macro Economic Theory – I	E749	MA Economics	<b>Employability</b> Content: National income, employment & output, consumption & investment, ISLM. Activities: Hands-on-training to calculate national income, employment , output, etc... by using NSS data.	2021-22
3	Statistics for Economists	E750	MA Economics	<b>Employability</b> Content: Correlation, Regression and Time Series Activities: Training on Collecting Data, using any Statistical Tools Studied,	2021-22

				Interpreting and Bringing the Results	
4	Economics of Growth and Development	E751	MA Economics	<b>Employability</b> Content: Economic Growth and Development, The Schumpeterian Theory, Growth models in Indian planning, Measurement and Policy for Development. Activities: Presentation on PPT, Assignments and Group discussion.	2021-22
5	Elective-II History of Economic Thought	E752B	MA Economics	<b>Employability</b> Content: Classical thought, institutionalism, marginalism, pre – independence ideas, post-independence ideas Activities: Hands on practices on marginalism, institutionalism, pre-independence ideas and post-independence ideas.	2021-22
6	Elective-III Economics of Infrastructure	E752C	MA Economics	<b>Employability</b> Content: Education, Communication, Health, Power Supply, Fuel. Activities: Field Visit, Presentation of Report, Seminar, Assignment	2021-22



7	Advanced Micro Economic Theory – II	E855	MA Economics	<p><b>Employability</b></p> <p>Content: Knowledge about Perfect and Imperfect Competition regarding Pricing of Goods and factors.</p> <p>Activities: Hands-on- Experience in Analysing pricing of goods in perfect and imperfect competition Consumer Market; Survey of Pricing in Different Markets - Study of pricing pattern</p>	2021-22
8	Advanced Macro Economic Theory – II	E856	MA Economics	<p><b>Employability</b></p> <p>Content: Inflation ,Stagflation and Deflation, Theories of inflation, Macro Economic policy.</p> <p>Activities: Financial Studies of various markets of money Market and Share Markets,,through vedio shootingof marketand Analysing of the Different Market structures.</p>	2021-22
9	Mathematics for Economists	E857	MA Economics	<p><b>Employability</b></p> <p>Content: Matrix multiplication, application of costs, revenue, investment, profit, consumer’s and producer’s surplus using differentiation</p>	2021-22

				and integration, dynamic input-output model. Activities: Hands on training in working out the numerical problems.	
10	Managerial Economics	E858	MA Economics	<b>Employability</b> Content: Market Structure, Advertisement, Pricing policies, Investment decision Activities: Hands on Experience in pricing methods, Identify market conditions	2021-22
11	Elective - I Industrial Economics	E859A	MA Economics	<b>Employability</b> Content: Industries, market and market concentration, industrial growth and labour. Activities: Hands-on-training in conducting market survey, identifying industrial location, etc..	2021-22
12	Elective - II Economics of Urbanisaion	E859B	MA Economics	<b>Employability</b> Content: Urban Economics, Growth of Urbanization and Theories ,Urban Housing, Labour Market and Poverty, Problems of Urbanization, Urban Growth Strategies Activities: Can practice the urban economic growth, compare the trends in urban slums, realise the problem of urbanisation, compare the national policies for urbanisation	2021-22

13	Elective - III Economics of Gender and Development	E859C	MA Economics	<p><b>Employability ;</b>            Contents: Changing Trends in Status of Women, Women and Work, Theories of Feminism, Empowerment and its Components, Women and Legislation            Activities: Assignment, Oral and Written Test, Group Discussions, Debate, Case Studies.</p>	2021-22
14	International Trade	E940	MA Economics	<p><b>Employability</b>            Content: Balance of payments, Terms of trade, Foreign Direct Investment, WTO, Foreign Trade Policy, Export Trading Houses, Export Processing Zone and Special Economic Zone.            Activities: Mini Project, hands on training, Seminars</p>	2021-22
15	Public Economics	E941	MA Economics	<p><b>Employability</b>            Content: Taxes, Revenue, Federal Finance, Debt,            Activities: Assignment Debate, Preparing the budget.</p>	2021-22
16	Monetary Economics	E942	MA Economics	<p><b>Employability</b>            Content: Nature-Demand and Supply of Money - Liquidity - Theories of Money - Monetary Policy and its Objective and instruments - Transmission mechanism - Narasimhan and Rangarajan Committee Reports.            Activities: Hands on Analysing the Rate</p>	2021-22

				17 of Interest, Price Changes, Inflation and Deflation, Stagflation, Employment, Output saving and Investment Changes welfare of public changes.	
17	Research Methodology	E943	MA Economics	<b>Employability</b> Content: Concepts of Research, Steps of research process, tools and tests Activities: PPT Presentation on different concepts, working manual and with computer.	2021-22
18	Elective I: Econometric Methods	E944A	MA Economics	<b>Employability:</b> Content: Linear regression model, dummy variable, demand, cost and production function, ARIMA, VAR, ARCH and GARCH models. Activities: hands on training, practicals, mini project	2021-22
19	Elective - II; Health Economics	E944B	MA Economics	<b>Employability</b> Content: Health Production function, Supply of Health Care, Health Policies and Health Insurance. Activities: Hands on experience to analysing the health production, demand and supply of health care services.	2021-22

20	Elective - III: Personal Management.	E944C	MA Economics	<p><b>Employability</b></p> <p>Content: Qualities of HR Manager, HR Planning, Job Analysis, Recruitment Process and Selection, Induction and Training.</p> <p>Activities: Hands on Experience to do case study, PPT Presentation on Job Analysis and Group Discussion, Assignment and Quiz.</p>	2021-22
21	Data Analysis and Interpretation	E945S	MA Economics	<p><b>Employability,</b></p> <p>Contents : Percentiles, Quartiles, Skewness, Kurtosis - Using SPSS, Comparing Means: One or Two Samples "T" Test</p>	2021-22
22	Indian Economy: Issues and Policy	E1039	MA Economics	<p><b>Employability</b></p> <p>Content: Characteristics of Indian Economy, Industry and Service sector, Financial Sector and Trade policy Unemployment, Poverty and HDI.</p> <p>Activities: PPT Presentation on Financial sector and Service sector, Measuring the HDI, Group Discussion based on PPT Presentation.</p>	2021-22

23	Environmental Economics	E1040	MA Economics	<p><b>Employability</b></p> <p>Content: Material Balance Principle, trade-off, Private goods and Public goods, different methods such as EIA, CVM, Willingness to pay, Travel cost method, Policy measures.</p> <p>Activities: PPT Presentation on Economy and Environmental linkages, Group Discussion based on PPT Presentation.</p>	2021-22
24	Core -I: Indian Public Finance	E1041A	MA Economics	<p><b>Employability</b></p> <p>Content: Federal Finance, Central, State and Local Finance, Indian Tax System, Public Expenditure and Debt ,Budgetary Policy in India</p> <p>Activities: Practice on different taxes, can compare different budgets, practice on tax system, can asses public expenditure</p>	2021-22
25	Core - II: Tamil Nadu Economic Development	E1041B	MA Economics	<p><b>Employability:</b></p> <p>Content: Agriculture and allied sector, industry, service sector, industrial estate, state planning commission</p> <p>Activities: Experience on agricultural output, difference industries and service sectors with different planning commissions</p>	2021-22

26	Core - III: Financial Institutions and Markets	E1041C	MA Economics	<p><b>Employability</b>  Content: Financial System, Interest Rate Policy, Credit creation and Capital market.  Activities: To follow online trading, Case study of growth of capital and money market.</p>	2021-22
27	Elective I: Labour Economics and Industrial Relations	E1042A	MA Economics	<p><b>Employability</b>  Content: Unorganised labour &amp; Knowledge workers, Migratory character, causes and effects of migration, I.L.O and unemployment.  Activities: Survey on Problems faced by industrial labourers ,Study of the working conditions of Unorganised labourers and Survey of Labour welfare measures in different industries</p>	2021-22
28	Elective - II Security Analysis and Portfolio Management.	E1042B	MA Economics	<p><b>Employability:</b>  Content: Financial markets and instruments, Money and bond markets – equity markets – derivative markets and Portfolio Theory  Activities: Hands on experience in analysing shares and equity prices in primary and secondary markets by oftenly visiting nearby share trading office.</p>	2021-22

29	Elective - III Co-operation and Rural Development	E1042C	MA Economics	<b>Employability</b> Content : Co-operation, co-operative movements, rural development, financial institution, rural development programme. Activities: Hands-on-training will be given to students along with stakeholders like SHGs, Panchayat Leaders, etc,...	2021-22
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## B Com

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Principles of Accountancy	C116	B Com	<p><b>Employability</b></p> <p>Contents: Journal, Ledger, Trial Balance, Final Accounts with Adjustments and other related accounts of Sole trading Concern.</p> <p>Activities: Lecture Method, Problem Solving &amp; demonstrations and Practical Exercises on the Course Content</p>	2021-22
2	Environmental Aspects of Business	C117	B Com	<p><b>Employability</b></p> <p>Contents: Business and its Environment, Money and Capital Markets, Stock Market Operation and Social Responsibility of the Business</p> <p>Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2021-22
3	Financial Accounting I	C216	B Com	<p><b>Employability</b></p> <p>Contents: Depreciation Accounting, Single Entry System, Accounts of Non-Trading Concern, Departmental Accounts and Branch Accounts</p> <p>Activities: Lecture Method, Problem Solving &amp; demonstrations and Practical</p>	2021-22

				Exercises on the Course Content	
4	Banking and Insurance	C217	B Com	<b>Employability</b> Contents: Introduction to Banking, Commercial Banks, Negotiable Instruments, Recent Trends in Banking and Basics of Insurance Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	2021-22
5	Financial Accounting II	C325	B Com	<b>Employability</b> Contents: Fire Insurance Claims, Hire Purchase and Installment System, Admission, Retirement and Death of a Partner and Dissolution of the Partnership Firm Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22
6	Principles of Marketing	C326	B Com	<b>Employability</b> Contents: Marketing Concepts, Marketing Mix, Consumer Behaviour, Market Segmentation and Recent Trends in Marketing Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	2021-22
7	Mercantile Law	C327	B Com	<b>Employability</b> Contents: Indian Contract Act, Elements of Contract, Special Contract, Formation and Legal Constitution of a Company and Company Management	2021-22

				Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	
8	Corporate Accounting	C424	B Com	<b>Employability</b> Contents: Company Accounts, Final Accounts of a Company, Internal Reconstruction, Amalgamation, Absorption and External Reconstruction. Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22
9	Cost Accounting	C425	B Com	<b>Employability</b> Contents: Basics of Cost Accounting, Material, Labour and Overheads Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22
10	Business Management	C426	B Com	<b>Employability</b> Contents: Management Functions, Planning, Organising, Leadership, Motivation and Control Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	2021-22
11	Advanced Cost Accounting	C541	B Com	<b>Employability</b> Contents: Job, Batch, Contract, Operating, Process, Marginal and Standard Costing Activities: Lecture Method, Problem Solving & demonstrations and Practical	2021-22

				Exercises on the Course Content	
12	Income Tax Law and Practice I	C542	B Com	<b>Employability</b> Contents: Income Tax Act, Residential Status, Scope of Total Income, Income under the head Salary and House Property Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22
13	Financial Management	C543	B Com	<b>Employability</b> Contents: Financial Decisions, Risk & Return, Capital Structure, Cost of Capital, Dividend Decision and Working Capital Management Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22
14	Advanced Corporate Accounting	C544A	B Com	<b>Employability</b> Contents: Valuation of Shares and Goodwill, Liquidation of Companies, Holding Company Accounts, Banking and Insurance Company Accounts. Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22

15	Indirect Taxation	C544B	B Com	<b>Employability</b> Contents: Introduction to Taxation, GST, Input Tax Credit, Customs Duty and Foreign Trade Policy Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	2021-22
16	Business Logistics	C544C	B Com	<b>Employability</b> Contents: Basics of Logistics, Supply Chain Management, Customer Service, Warehouse and Transportation Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	2021-22
17	Management Accounting	C647	B Com	<b>Employability</b> Contents: Introduction to Management Accounting, Ratio Analysis, Fund Flow and Cash Flow, Budgetary Control and Capital Budgeting Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22
18	Income Tax Law and Practice II	C648	B Com	<b>Employability</b> Contents: Income Under the Head Business or Profession, Capital Gain, other Sources, Set off and Carry Forward of Losses and Assessment of Individual Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22

19	Human Resource Management	C649	B Com	<b>Employability</b> Contents: Human Resource Management, Planning, Recruitment Process, Training & Development and Performance Appraisal Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	2021-22
20	Practical Auditing	C650A	B Com	<b>Employability</b> Contents: Auditing Principles, Internal Control, Internal Check, Vouching, Verification, Valuation, Audit Report and Audit of Limited Companies Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	2021-22
21	Industrial Relations and Labour Laws	C650B	B Com	<b>Employability</b> Contents: Evolution of Industrial Relations, Trade union, Collective Bargaining, Industrial Disputes Act and Factories Act. Activities: Lecture Method, Interactive Presentation, Seminars and Assignments	2021-22

## M Com

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Advanced Financial Accounting	C722	M. Com	<p><b>Employability;</b>            Contents : Discover the knowledge on new profit sharing ratio, revaluation of assets and liabilities, adjustment of goodwill at that time admission, Summarizing the accounting problems in relating to Amalgamation, absorption and reconstruction of companies            Activities: Chalk and Talk, Problem Solving and exploring the student's <b>skill</b> through continuous exercise.</p>	2021-22
2	Consumer Behaviour	C724	M. Com	<p><b>Employability</b>            Contents: Student can able to develop knowledge on Consumerism, Consumer Exploitation in India , and develop the skill on Consumer Protection Act 1986            Activities: Field visit, invited talk, creating opportunities for marketing exposure. Panel discussion consumer issues and problems. Awareness on Consumer forum</p>	2021-22

3	Advanced Management Theory	C726A	M. Com	<p><b>Employability :</b></p> <p>Contents : Student can able to develop the skill on cultural ethical environment at globale level and its effects of management practices of total quality management</p> <p>Activities: measuring effectiveness of strategy and knowledge management. Evaluate the leadership for Global Business Operation through various case studies</p>	2021-22
4	Security analysis and Portfolio Management	C727B	M. Com	<p><b>Employability :</b></p> <p>Contents : Discovering secondary market intermediaries and regulation–Stock exchanges and to develop skill on functions and significance of stock exchanges and Risk Return investment</p> <p>Activities:Testing of Risk and Return Analysis and Portfolio Theories. Visiting Stock market Brokers office, invited talk</p>	2021-22
5	Accounting for Managerial Decision Making	C823	M. Com	<p><b>Employability :</b></p> <p>Contents :Student can able to prepare and to make Capital Budgeting, Budget and Budgetary Control, Marginal costing and absorption costing- cost volume profit analysis - Decision making problems</p> <p>Activities: Problem solving and to create an opportunities for industrial exposure</p>	2021-22



				practical learning	
6	Advanced Cost Accounting	C824	M. Com	<p><b>Employability:</b></p> <p>Contents : Students have to gain knowledge cost allocation to joint products, operating cost, Memorandum reconciliation statement account and Standard cost vs. Budgetary control  Activities: Problem solving, practical learning through internship</p>	2021-22
7	Research Methodology	C825	M. Com	<p><b>Employability :</b></p> <p>Contents : Enhancing the students to develop their research skills on Review of Literature, formulation of Hypothesis, Processing of Data and Report writing  Activities: Demonstrating the various research problems. To create an opportunities to do their Field based research project with appropriate research problem</p>	2021-22
8	Entrepreneurial Development	C827A	M. Com	<p><b>Employability:</b></p> <p>Contents : Analyze the environment for potential business opportunities for both male Women Entrepreneur, Awareness on SIDBI – PIP - DIC – IDBI – IFCI – ETC – SSIC – SIDO – SIPCOT – SIDCS – TECOS – SFC.  Activities: organising Invited talk from various institution and leading</p>	2021-22

				entrepreneurs, visiting small scale industries and firms.	
9	Indirect Taxation	C827B	M. Com	<p><b>Employability</b></p> <p>Contents : to gain knowledge on Goods and Service Tax, Registration Procedure for registration under Schedule III, GST- Tax rate-e filing-GST portal. Activities: organizing guest lecture on Indirect tax and GST,internships.</p>	2021-22
10	E-Commerce and Computerized Accounting	C827C	M. Com	<p><b>Employability :</b></p> <p>Contents : gain practical knowledge on Computerized Accounting and Computerised Statements. Activities: Providingtheoretical as well as Practical knowledge on computerised Accounting.</p>	2021-22
11	Internship	C828J	M. Com	<p><b>Employability</b></p> <p>Contents : Training From an Auditing firms, Departmental stores, Shopping malls, Agency like NIFTY and BSE and Secretarial training from cottage, Small and medium scale industries or MNC's Activities: Arranging internship training</p>	2021-22

				and to create job opportunities.	
12	Advanced Corporate Accounting	C927	M. Com	<p><b>Employability :</b></p> <p>Contents : gain practical knowledge on Consolidated Financial Statements, NPA, IRDA Regulation and Preparation of Final Accounts, Inflation Accounting and Human Resource and Social Responsibility Accounting. Activities: Problem Solving, importing corporate accounting knowledge through internship</p>	2021-22
13	Project (Individual Students Field Project Work)	C931J	M. Com	<p><b>Employability :</b></p> <p>Contents : Skill Development Enhance their knowledge on developing the Objectives, Scope, Problems and Limitations of a research work, Enumerate the different components of research methodology (like design, sample size, sampling, etc.) of a research work or a project work. Activities: Guiding students regularly for field based project work</p>	2021-22

14	Income Tax and Tax Planning – I	C929	M. Com	<p><b>Employability :</b></p> <p>Contents : gaining knowledge on Income from Salaries, Income from House Property, Income from Business or Profession</p> <p>Activities: Problem solving and exploring their knowledge through regular exercise.</p>	2021-22
15	Logistic and Supply Chain Management	C930A	M. Com	<p><b>Employability :</b></p> <p>Contents : skills on Logistics Strategy, Warehousing and Material Handling and Elements of Financial Supply Chain Management</p> <p>Activities: Field Visit, special lecture on LSCM</p>	2021-22
16	Advanced Financial Management	C1022	M. Com	<p><b>Employability ;</b></p> <p>Contents : Ability to find out Risk Return Trade off-Sources of Finance, Estimation of Working capital Management, Over and Under Capitalization, Capital Structure Theories and Weighted Average Cost of Capital</p> <p>Activities: Problem Solving, discussion on various companies financial statement</p>	2021-22

17	Income Tax and Tax Planning – II	C1024	M. Com	<p><b>Employability :</b></p> <p>Contents : To create in-depth knowledge on provisions of Income Tax Act on Income from other source and apply the provisions to adjust the loss under various heads of Income. Minimise the tax liability under the concepts of tax planning and deductions.</p> <p>Activities: Problem solving, practical experience through internship and continuous exercise on various head.</p>	2021-22
18	International Business	C1025	M. Com	<p><b>Employability :</b></p> <p>Contents : Enable knowledge on international business, Letters of credit and types, Functions and role of IMF-UNCTAD - GATT- WTO and ASEAN, SAARC/ SAPTA, NAFTA, EC</p> <p>Activities: Lecturing, invited talk and gaining knowledge on workshops, Seminars and conference organised by other institutions</p>	2021-22
19	International Marketing	C1026A	M. Com	<p><b>Employability :</b></p> <p>Contents : learning Significant knowledge on International Marketing, International environment, International Market Entry Strategies, Challenges in Managing an international Distribution Strategy, and Pricing and Promotion for</p>	2021-22

				international Markets Activities: Providing theoretical input through regular lecturing and send them to other institution or agencies for practical knowledge through internship.	
20	Export and Import Management	Certificate Course 2	M. Com	<b>Employability:</b>  Contents : The learning content should be International Trade Environments, Processing and documentation of Export orders, Tariffs and Tax on Export, highlights of Central EXIM Policy and Special Economic Zones Activities: Lecturing and assignment for preparation of various documentation in related with EXIM.	2021-22

## B Sc Mathematics

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Algebra and Trigonometry	M117	B Sc Mathematics	<p><b>Employability:</b>            Contents: Summation of series, Theory of Equations, Trigonometry,            Activities: To evaluate the summation of various series,            understand the importance of real and complex roots,            to find the expansion of Trigonometric function, to understand the relation between circular and hyperbolic function through Problem Solving , Assignments and tests.</p>	2021-22
2	Integral Calculus	M214	B Sc Mathematics	<p><b>Employability:</b>            Contents: Integration of Rational Functions, Integration of Trigonometric Functions, Definite Integrals, Double and Triple Integrals, Improper Integrals .            Activities: To impart the techniques by solving the problems on integration of Rational function, to understand the techniques to solve such problems, to apply the Bernoulli's formula to get the solution of the integral of the function, to understand the concept of double and</p>	2021-22

				triple integrals, Beta and Gamma function by solving the Assignment problems and doing class tests	
3	Differential equations and Fourier series	M215	B Sc Mathematics	<p><b>Employability:</b></p> <p>Contents: Differential Equations of First Order, Linear Equations of Higher Order, Partial Differential Equations, Applications of Differential Equations, Fourier Series.</p> <p>Activities: : Problems Solving related to ordinary as well as partial differential equations, to learn various techniques of getting exact solutions of certain solvable first order differential equations and linear differential equations of second order, to learn about solution of first order linear partial differential equations using Lagrange's method, to know how to solve second order linear partial differential equations with constant coefficients, to formulate mathematical models in the form of ordinary differential equations and to get the</p>	2021-22



				solution of the problem	
4	Vector Calculus	M315	B Sc Mathematics	<b>Employability:</b> Contents: Plane, Straight line, Laplace Transforms and Fourier Transforms. Activities: Oral quiz to understand the definition of Scalar and Vector point's functions, to find the directional derivative of a Scalar point function, to find the solenoidal and irrotational of the vector point function, to evaluate the line integrals, surface integrals and volume integrals and to verify Greens', Gauss and Stokes theorem. Class tests and Assignments to strengthen the Problems solving techniques.	2021-22
5	Solid Geometry and transforms	M316	B Sc Mathematics	<b>Employability:</b> Contents: Plane, Straight line, Laplace Transforms and Fourier Transforms. Activities: To relate between plane and straight line in 2d and 3d., to relate two dimensional, three dimensional geometry and solve problems in these areas , to analyze the uses of solid geometry in different scientific fields and solving Problems in ODE using Laplace transforms, Training the Students in mastering the techniques of Fourier transforms Fourier transforms, convolution theorem and solving problems by Fourier	2021-22

				transform.	
6	Numerical Methods	M415	B Sc Mathematics	<p><b>Employability:</b>            Contents: Transcendental and Polynomial Equations, System of linear Algebraic Equations, Interpolation and approximation, Numerical Differentiation, Numerical Integration.            Activities: To obtain numerical solution to algebraic and transcendental equation, finding numerical solutions of system of linear equations and checking the accuracy of the solution.            to learn about various interpolating and extrapolating methods to find numerical solution, to understand the concept of numerical differentiation and evaluating the integrals by using Trapezoidal and Simpson's formula. Assignments are given</p>	2021-22

7	Algebraic Structures - I	M416	B Sc Mathematics	<p><b>Employability:</b>          Contents: Groups, Finite groups, subgroups, Cyclic and permutation Groups, Isomorphism, Cosets and Lagrange's Theorem, External Direct Products, Normal Subgroups and Factor Groups, Group Homomorphism's and finite Abelian Groups.          Activities: To learn about the fundamental concept of groups, subgroups and related theorems and knowing the concept of cyclic and permutation group and its properties, isomorphic theorem and Lagrange's theorem, the concept of external direct products and its properties to understand the concept of finite abelian group and properties of homomorphism, Problem Solving and assignments are given to the students on these topics.</p>	2021-22
8	Algebraic Structures - II	M541	B Sc Mathematics	<p><b>Employability :</b>          Contents: Rings and Integral Domains, Ideals and Factor Rings, Ring Homomorphism and Polynomial Rings, Factorization of Polynomials, Divisibility in Integral Domains          Activities: To analyze and demonstrate examples of ideals and factor rings, to learn the concepts of isomorphism and homomorphism for groups and rings, to understand the various canonical types of</p>	2021-22

				groups and canonical types of rings through Assignments	
9	Real analysis - I	M542	B Sc Mathematics	<p><b>Employability:</b>  Contents: Real Number System, Point set topology, Limits and Continuity, Continuity, Derivatives.  Activities: Oral Quiz to understand the basic properties of real number system such as least upper bound properties and Archimedean properties, open set, closed set, connected sets, continuous set adherent points and accumulation points, class tests to study the Bolzano's theorem and Fixed point theorem, concept of derivatives of real valued function and related theorems such as Rolle's theorem, Mean value theorem and Taylor's formula..</p>	2021-22
10	Probability and Statistics	M544	B Sc Mathematics	<p><b>Employability:</b>  Contents: Probability, Random variables and Distribution functions, Mathematical Expectation and Generating functions, Discrete and Continuous Distributions, Correlation and Regression.  Activities: understanding the basic concepts of probability, discrete and continuous random variable and their probability distribution. mathematical expectation and generating function and their properties, Binomial, Poisson,</p>	2021-22

				normal, uniform and gamma distribution through problems solving, calculating the correlation coefficient, rank correlation and fitting of regression lines by least square method.	
11	Real Analysis II	M644	B Sc Mathematics	<p><b>Employability:</b></p> <p>Contents: Test of convergence, rearrangement of series, connectedness and compactness</p> <p>Activities: Finding the difference between Continuous and Uniformly Continuous Functions, Make students to understand many properties of the real line and that of sequence and infinite series by class tests and oral quiz.</p>	2021-22
12	Complex Analysis II	M645	B Sc Mathematics	<p><b>Employability:</b></p> <p>Contents: Test of convergence, rearrangement of series, connectedness and compactness</p> <p>Activities: Significance of differentiability and analyzing of complex function, Cauchy-Riemann equations, concept of conformal mapping and cross ratio and fixed points of bilinear transformation, role of Cauchy theorem and Cauchy integral form in evaluation of contour integrals, fundamental theorem of algebra, Taylor and Laurent series expansion of analytic function, classify the nature of</p>	2021-22

				singularities, poles and residues, application of Cauchy residue theorem.	
13	Mathematics for Competitive Examinations- II	NMA604	B Sc Mathematics	<p><b>Employability:</b>            Contents: Profit and loss, Partnership, Boats and Streams, Calendar, clocks, true discount, tabulation and bar graphs.            Activities: Solving more Problems through Assignments and class tests, acquiring knowledge about profit and loss, problem on trains, boats and stream, problems on calendars, Probability and data interpretation problems            which helps to clear competitive examinations.</p>	2021-22

# M Sc Mathematics

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Abstract Algebra	M745	M Sc Maths	<p><b>Employability:</b>            Contents: Algebraic Extensions, Sylow's Theorems and Galois Theory.            Activities: To solve the transformations, extension fields and algebraic extensions by using Sylow's theorems using objective type test. Problem solving in Cayley digraphs of groups and Galois Theory</p>	2021-22
2	Real Analysis	M746	M Sc Maths	<p><b>Employability:</b>            Contents: Functions of Bounded Variation, Riemann–Stieltjes integral and Lebesgue Integral.            Activities: Problem solving and MCQ Test in functions of bounded variation by using Riemann–Stieltjes integral and Lebesgue Integral.</p>	2021-22

3	Ordinary Differential Equations	M747	M Sc Maths	<p><b>Employability:</b>  Contents: Linear Differential Equations of Higher order, Existence and Uniqueness of Solutions and Boundary Value Problems.  Activities: Identify and solve problems on applications of differential equations of higher order to find the power series solution. To solve the system of linear Differential equations by using existence and uniqueness of the solutions and boundary value problems.</p>	2021-22
4	Mathematical Statistics	M748	M Sc Maths	<p><b>Employability:</b>  Contents: Sampling Distributions, Parametric Point Estimation, Tests of Hypotheses and Design of Experiments.  Activities: To design the given experiments by applying sampling theory, significance tests, estimation and testing of hypothesis.</p>	2021-22
5	A1. Differential Geometry	M749A	M Sc Maths	<p><b>Employability:</b>  Contents: Space curves, Local Intrinsic Properties of a Surface and Geodesics.  Activities: To know space curves and their intrinsic properties of a surface and geodesics. To explore the non – intrinsic properties of surfaces.</p>	2021-22



6	A3. Coding Theory	M749C	M Sc Maths	<p><b>Employability:</b>            Contents: Encoding and decoding, Hamming codes and perfect codes and Codes with Latin Squares.            Activities: To encode and decode the given problem using any of the coding and decoding techniques.</p>	2021-22
7	Advanced Linear Algebra	M848	M Sc Maths	<p><b>Employability:</b>            Contents: Linear transformations, Inner Product Spaces and Orthogonal System.            Activities: To solve the comprehensive test in the various aspects of Linear Algebra and problem-solving skills as a preparatory for competitive exams.</p>	2021-22
8	Partial Differential Equations	M849	M Sc Maths	<p><b>Employability:</b>            Contents: Partial Differential Equations of First Order and Elliptic, Parabolic, Hyperbolic Differential Equations.            Activities: To enhance the problem solving skills in solving partial differential equations.</p>	2021-22
9	Mathematical Analysis	M953	M Sc Maths	<p><b>Employability:</b>            Contents: Fourier series, Multivariable Differential Calculus, Cauchy Theorem and Residue Calculus.            Activities: To analyze the real number system, Fourier series, Fourier Integral, multivariable calculus, Cauchy Theorem and Residue Calculus.</p>	2021-22

10	Topology	M954	M Sc Maths	<p><b>Employability:</b>            Contents: Topological Spaces, Compactness and Metrization Theorems.            Activities: To enhance topological and proof writing skills of advanced mathematics. To understand the concepts of topological spaces, analyze and synthesize the proofs of connectedness and compactness.</p>	2021-22
11	C3. Mathematical Physics	M957C	M Sc Maths	<p><b>Employability:</b>            Contents: Electromagnetic theory and fluid mechanics, Levi-Civita tensor, transformations of vectors, Lagrangian and Hamiltonian formulations of classical mechanics with applications.            Activities: To apply various mathematical techniques to solve problems in theoretical physics.</p>	2021-22
12	Complex Function Theory	M1049	M Sc Maths	<p><b>Employability:</b>            Contents: Schwarz' Lemma and Liouville's Theorem, Evaluation of Certain Integrals, Analytic Continuation and Mapping Theorems.            Activities: To understand the Maximum Principle, Schwarz Lemma, Analytic Continuation, Representation of Meromorphic and Entire Functions and Mapping Theorems.</p>	2021-22

13	Difference Equations	M1051	M Sc Maths	<p><b>Employability:</b>  Contents: The Difference Calculus, The Z-transform Method and Oscillation Theory.  Activities: To understand the process of discretization, oscillation and the asymptotic behaviour of solutions of difference equations and enhance the problem solving skills by using z-transforms.</p>	2021-22
14	D1. Stochastic Processes	M1052A	M Sc Maths	<p><b>Employability:</b>  Contents: Stationary Process, Markov Chains, Renewal Processes and Theory.  Activities: To develop the basic ideas of Stochastic processes, Markov chains and Renewal process and to motivate students to do the research in these areas.</p>	2021-22
15	D3. Theory of Transforms	M1052C	M Sc Maths	<p><b>Employability:</b>  Contents: Fourier Series, Integral Transforms, Application of Transforms to boundary Value Problems, Z – Transform.  Activities: To enhance the basic knowledge on principles of Fourier series and Z-Transforms. To improve the problem solving skills to solve integral problems using Transforms.</p>	2021-22

16	Advanced Business Statistics for Management	MBA1XXT	M Sc Maths	<p><b>Employability:</b>  Contents: Introduction to Probability and Binomial Distribution, F Test and Chi-Square Test and Time Series Analysis.  Activities: To analyse the given data using statistical techniques, such as hypothesis testing and regression estimation.</p>	2021-22
17	Applied Operations Research for Management	MBA2XXT	M Sc Maths	<p><b>Employability:</b>  Contents: Linear Programming, Transportation and Assignment Problem, Replacement and Maintenance Analysis.  Activities: To enhance the knowledge of quantitative methods used in linear programming problems, transportation and assignment problems, game theory, replacement and maintenance.</p>	2021-22
18	Optimization Techniques	MCA2XXT	M Sc Maths	<p><b>Employability:</b>  Contents: Linear Programming, Inventory Control and Queuing Theory, Decision Theory and Game Theory.  Activities: To enhance the problem solving skills in linear programming problems, transportation problems, inventory models, queuing models, project management and Game theory problems.</p>	2021-22

19	Statistical and Numerical Methods	MCA4XXA	M Sc Maths	<p><b>Employability:</b>            Contents: Large Samples and Small Samples, F Test and Chi-Square Test, Eigenvalue Problem, Interpolation, Numerical Differentiation and Integration.            Activities: To apply statistical and numerical methods for solving problems in engineering and technology.</p>	2021-22
20	Quantitative Aptitude Techniques	MCA5XXS	M Sc Maths	<p><b>Employability:</b>            Contents: Averages, Percentage, Time and work, Time and distance, Simple interest, Compound interest and Probability.            Activities: To enhance aptitude skills and to solve quantitative problems.</p>	2021-22

# B Sc Physics

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Mechanics	P113	B. Sc. Physics	<b>Employability:</b> Contents: Centre of gravity, Projectiles, Circular motion, Impact and Dynamics of rigid bodies, Moment of inertia and the method of determining the Moment of Inertia of compound pendulum, Hydrostatics and Hydrodynamics. Activities: Hands-on-training to determine 'g' using compound pendulum, Quiz on Fluid Motion, E-Assignments on problems in centre of gravity, Interactive sessions on Bernoulli's Theorem, Brain storming investigations on collision, impulse and impact.	2021-22

2	Properties of matter	P114	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Bending of beams, Viscosity – Streamline and turbulent flow, Variation of viscosity with temperature and lubrication, Variation of viscosity with temperature and lubrication, surface tension - molecular theory-Osmosis- Reverse osmosis Activities: Group discussion , Problem solving, Interactive session-Practical hands on training will be provided to the students and will ensure the employability in the field of construction of buildings, chemical industries and in the osmosis related.</p>	2021-22
3	Heat and Thermodynamics	P212	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Calorimetry, Heat transfer Processes, Production of low temperature, Liquefaction of gases, Adiabatic demagnetization, Superconductivity-Type I and type II, Meissner effect, Applications of superconductors. Otto engine, Thermodynamic potentials: Enthalpy, Gibbs, Helmholtz and Internal Energy functions, Maxwell's relations &amp; applications. Studying these topics may help the students i) to get employment in Automobile industries, Refrigerator industries, Air-conditioning systems manufacturing industries, Heat pump</p>	2021-22

				manufacturing industries, etc, ii) to face competitive exams with confidence , and iii) to get employment as teachers and excel in teaching profession. Activities: Seminars, Group discussions, MCQ tests, Problem solving	
4	Optics	P315	B. Sc. Physics	<b>Employability:</b>  Contents: Dispersion produced by a prism, Aberration in lenses, methods to minimize spherical aberrations, Plane transmission grating - determination of wavelength, Applications of a Lasers: Lasers in medicine and surgery - Laser in holography Activities: Illustrative demonstration on working of lasers. Demonstration on applications of Lasers, quiz on principles of Lasers.	2021-22
5	Modern Physics	P415	B. Sc. Physics	<b>Employability:</b>  Contents: Positive ray analysis: Thomson's Parabola method, Vector atom model - spatial quantization and electron spin, Magneto Optical Properties of Spectrum: Stern and Gerlach experiment, fundamental laws of absorption Activities: PPT Presentation, Seminar, Assignments, Problem solving, Quiz.	2021-22



6	Electromagnetism	P416	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Self inductance – mutual inductance – BG – Electromagnetic devices such as earth inductor, AC generator – Maxwell’s equations to describe electromagnetic waves. Activities: Problem solving, Assignment writing, Seminars, Demonstrations.</p>	2021-22
7	Classical Mechanics and Statistical Physics	P541	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: 100 % Activities: Interactive discussions on Lagrangian methods, Quiz on Central force motion, Assignments and Problem solving in thermodynamical distributions</p>	2021-22
8	Semiconductor devices and their Applications	P542	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Classification of amplifiers- Voltage gain of feedback amplifier - Advantages negative feedback Amplifiers - Applications of OP-AMP: Scale changer, phase shifter, Summing amplifier, Integrator, Differentiator. Activities: Circuit demonstration on OPAMP parameters, group discussions on Applications of OPAMP.</p>	2021-22

9	Solid State Physics	P543	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Ferrite and their applications, Polarization, frequency and temperature dependence on polarization, Conductivity of semiconductors, Hall Effect, Semiconductors: Conductivity, Superconductivity: Type I and Type II superconductors. Activities: Problem solving, Assignments, Seminars, Quiz, Group discussion, Outcome based questions and answers, PPT Presentation.</p>	2021-22
10	Mathematical Physics	P544	B. Sc. Physics	<p><b>Employability :</b></p> <p>Contents: Vectors, Beta, Gamma and Dirac-Delta functions, Fourier series and Partial differential equations Activities: Problem Solving, MCQs and Group Discussions</p>	2021-22
11	Nanomaterials and their Applications	P545A	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Preparation of nanomaterials and nanostructured thin films, different deposition techniques, various characterization techniques, different applications of nanomaterials are some of the important topics covered that can help the students get placed in higher education institutes and research laboratories not only across the country but also abroad. The scope of being</p>	2021-22

				appointed in projects as JRFs, Project Assistants and Research assistants or scope of clears exams for Scientists Cadets increases as the student is being introduced to latest deposition and characterization techniques. Activities: Quiz, Assignment, Group Discussion, PPT presentation	
12	Electronic Communication Systems	P545B	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Electromagnetic spectrum and frequency bands, Modulation techniques, Digital modulation, cellular mobile communication- 2G, 3G and 4G concepts, Fiber optic communication system, Radar, Microwave communication, Satellite Communication. Studying these topics may help the students i) to get placement in Telecommunication industries, Mobile phones manufacturing and servicing industries, Cellular communication industries, Fiber optic cable manufacturing industries etc. and ii) to face competitive exams with confidence. Activities: Seminars, Group discussions, MCQ tests, Field visits</p>	2021-22

13	Renewable Energy and Energy Harvesting	P545C	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Solar energy collector –Solar water heater - Solar pump, Power from the wind-Power from the wind- Conversion technologies - Wet process – photosynthesis Energy storage systems - Energy action planning. Activities: Mind mapping, Group discussion, Assignment, Problem solving, Interactive session- data collection: These activities will enhance the candidate knowledge and can be able to get employment in the energy production and distribution sector.</p>	2021-22
14	Medical Physics	P546C	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Blood pressure – Radiation exposure – Radiation detectors, mainly GM counter and Scintillation counter – Diagnostic systems mainly X-ray unit, CT scan and MRI scan, ECG, ENG and Endoscope. Activities: Field visit, demonstrations, Hands on learning, internship training from reputed medical institutions.</p>	2021-22
15	Applied Electronics	P637	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Rectifiers, Amplifiers, oscillators, multivibrators are some of the important topics that are necessary in most of the electronic industries.</p>	2021-22

				Activities: Quiz, Assignment, Group Discussion and PPT Presentation.	
16	Nuclear and Particle Physics	P638	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: Particle detectors – ionization chamber – proportional counter – GM counter – scintillation counter – nuclear emulsions – radiation units – mean lethal dose and permissible radiation dose – personal dosimeter and survey dosimeter – chemical –Thermo luminescent dosimeter(TLD) – biological effects of radiation – protection from radiation</p> <p>Activities: Learning on the counters and dosimeters the students will be able to get job opportunity in radiation related places.</p>	2021-22
17	Quantum Mechanics and Relativity	P639	B. Sc. Physics	<p><b>Employability:</b></p> <p>Contents: 100% Activities: Illustrative Discussions, Trouble shooting problems in relativity and QM approach. problem solving on relativistic mechanics.</p>	2021-22

## M Sc Physics

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Mathematical Physics-I	P717	M.Sc Physics	<b>Employability:</b> Contents: Probability Activities: Making to understand the concepts, enable the students to solve problems related to employability skills such as mean, median and mode etc..	2021-22
2	Quantum Mechanics-I	P719	M.Sc Physics	<b>Employability:</b> Contents: 100% Activities: Illustrative Discussions, Trouble shooting problems in QM approach	2021-22
3	3. Astrophysics	P720C	M.Sc Physics	<b>Employability:</b> Contents: Eclipses Activities: Collecting the data of lunar and solar eclipses for the past ten years, Observe eclipses	2021-22

4	Mathematical Physics-II	P820	M.Sc Physics	<b>Employability:</b> Contents: Probability Activities: Making to understand the concepts, enable the students to solve problems related to employability skills such as mean, median and mode etc..	2021-22
5	Quantum Mechanics-II	P822	M.Sc Physics	<b>Employability:</b> Contents: 100%. Activities: Problem Solving on approximation methods, Peer group discussions on perturbation theory, Assignments on scattering theory, Seminars on Relativistic wave equations.	2021-22
6	1. Ultrasonics and its Applications		M.Sc Physics	<b>Employability:</b> Contents: Ultrasonic Non-Destructive Testing, Ultrasound in Medicine Activities: Understanding the concepts, demonstrating and Visiting hospitals to visualize and experiencing the uses of ultrasound	2021-22
7	Solid State Physics	P917	M.Sc Physics	<b>Employability:</b> Contents: Structure Factor, Motion in Magnetic Fields, Semiconductor Crystals, Thermal Conductivity of Metals, Hall effect, SQUIDS- Curie point and exchange integral-Heisenberg's interpretation of Weiss field-Magnons- Curie temperature and susceptibility of ferrimagnets	2021-22

8	Atomic and Molecular Spectroscopy	P918	M.Sc Physics	<p><b>Employability:</b>            Contents: 100%            Activities Discussions on structure determination, Video modules on UV, NMR spectra, Mossbauer spectroscopy and Surface Spectroscopy, Rotational Spectroscopy            Skill Development:            Contents: 100%            Activities: Interactive discussions on spectroscopic techniques, Experimental determination of molecules from FTIR, FT-Raman and NMR data</p>	2021-22
9	3.Computational Quantum Mechanics	P920C	M.Sc Physics	<p><b>Employability</b>            Contents: Application to Ab initio method, Born- opphenier approximation- Geometric optimization, calculation of equilibrium geometries            Activities: Problem solvin sessions, software simulation</p>	2021-22
10	Shock Waves and High Pressure Physics in Material Science		M.Sc Physics	<p><b>Employability:</b>            Contents: How to assemble and execute a Shock Tube            Activities : assembling Shock Tube and observe the behaviour of materials under shock loaded conditions</p>	2021-22
11	Electrical Appliances		M.Sc Physics	<p><b>Employability:</b>            Identify the different electrical/electronic components for house hold applications, Realize the electrical wiring for household electrical connections, construction and working mechanism of some household electrical appliances.</p>	2021-22



12	Electronic Instrumentation Techniques	P1015	M.Sc Physics	<b>Employability:</b> – ECG - waveform – electrodes and leads – Einthoven triangle – block diagram - EEG- EMG - CT scanners	2021-22
13	Nuclear and Particle Physics	P1016	M.Sc Physics	<b>Employability:</b> Contents: Nucleo synthesis and abundance of elements,Elementary particles- Classification of elementary particles-Types of interactions between elementary particles Activities : Mimd mapping, Group discussion ,Demonstration, Hands on training	2021-22
14	Modern Optics	P1017A	M.Sc Physics	<b>Employability development:</b> Contents: Laser Systems: Gas, Liquid and solids, optical and optoelectronic materials Activities: Class room discussion, Video Modules on lasers, Quiz, Problem solving, seminar	2021-22

15	Reactor Physics	P1017B	M.Sc Physics	<p><b>Employability :</b>          Contents: PWR, BWR, HWR, Water Moderated Enriched Reactors- The breeder reactor- future of nuclear fission power.Generation-I, II, III, IV Reactors          Activities : Mind mapping, Group discussion ,problem solving . If they comple the course sucessfully a candidate eligible for geeting position at BARC, Nuclear reactor sites etc</p>	2021-22
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## B.Sc Chemistry

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Organic Chemistry I	CH116	B.Sc Chemistry	<b>Employability:</b> Content: Reaction mechanism based on Alkene, alkyne. Activity: Problem Solving, writing mechanism	2021-22
2	Analytical Chemistry-I	CH117	B.Sc Chemistry	<b>Employability:</b> Content: Gravimetric Analysis, Error Analysis, Thermal Analysis Activity: Identify the specific and selective reagents for precipitation, Calculating and analyzing error.	2021-22
3	Physical Chemistry-I	CH217	B.Sc Chemistry	<b>Employability:</b> Content: Endothermic/Exothermic reaction, Hesses's Law of constant heat summation, bond dissociation energies Activity: Determine the following reactions are exothermic or endothermic reaction, Problems solving related to calculate enthalpy of formation and bond dissociation energy.	2021-22

4	Organic Chemistry-II	CH316	B.Sc Chemistry	<b>Employability:</b> Content: Reaction mechanism of substitution and elimination, Activity: Problem solving, Quiz based substitution, Elimination reactions	2021-22
5	Inorganic Chemistry-II	CH317	B.Sc Chemistry	<b>Employability:</b> Content: Nuclear Chemistry Activity: calculating the age of rocks, learning the safe disposal of radioactive materials	2021-22
6	Organic Chemistry-III	CH416	B.Sc Chemistry	<b>Employability:</b> Content: Spectroscopy, FTIR, Mass. Activity: Interpreting molecular weight of the molecules, assigning absorption bands for various functional groups	2021-22
7	Inorganic Qualitative Analysis	PCH408	B.Sc Chemistry	<b>Employability:</b> Content: Preparation of Complex Activity: Preparation of Inorganic complexes and identifying the ions present in salt or solution.	2021-22

8	Organic Chemistry-IV	CH545	B.Sc Chemistry	<p><b>Employability:</b>  Content: Naming reactions in carbonyl compounds, Oxidizing and reducing reagents, Reactions and mechanisms of carbonyl compounds  Activity: Problem solving, choosing suitable reagents for a reaction, predicting products and intermediates. Predicting products based on various nature of the molecules.</p>	2021-22
9	Inorganic Chemistry-III	CH546	B.Sc Chemistry	<p><b>Employability:</b>  Content: Lanthanide separation  Activity: Ability to separate lanthanides by precipitation, fractional crystallization and solvent extraction methods.</p>	2021-22
10	Physical Chemistry-III	CH547	B.Sc Chemistry	<p><b>Employability:</b>  Content: Chemical kinetics and catalysis, Enzyme catalysis  Activity: Determine the kinetics and order of simple chemical reactions and hydrolysis of sucrose in sugar factory, Find out the activation energy and effect of temperature on a reaction. Determine the <math>K_m</math> and maximum reaction velocity in enzyme catalyst reaction.</p>	2021-22
11	Analytical Chemistry-II	CH548	B.Sc Chemistry	<p><b>Employability:</b>  Content: Applications of spectroscopy  Activity: Interpret the various spectra and illustrating the structure of the simple organic and inorganic compounds by using the appropriate spectroscopy techniques, Analyze the factors affecting the NMR signal and the shifts of peaks in UV - Visible spectra</p>	2021-22

12	Elective-I Pharmaceutical Chemistry	CH549A	B.Sc Chemistry	<p><b>Employability:</b>  Content:, Drug design, Treatment of cancer, Types of drugs.  Activity: Synthesis the new drug in pharmaceutical company and analyzing their activity by SAR method, Identifying the lead compounds (drug) and using that in the treatment of appropriate diseases. Select the proper therapy to treat the cancer cells</p>	2021-22
13	Elective-I Forensic Chemistry	CH549B	B.Sc Chemistry	<p><b>Employability:</b>  Content: Detection of DNA finger Printing, identification of blood sample and Drug testing  Activity: DNA testing by various methods, Identify and analyzing the blood stains, Testing the blood alcohol and poison by various analyser, different chromatography and spectroscopy techniques.</p>	2021-22
14	Elective-I Bio-Inorganic Chemistry	CH549C	B.Sc Chemistry	<p><b>Employability:</b>  Content: Metalloenzymes and metals in medicine  Activity: Identify and apply the inorganic metals in various therapy like chelation and chemotherapy. Synthesis of Platinum complex as anticancer drugs.</p>	2021-22

15	Elective-II Applied Chemistry	CH550A	B.Sc Chemistry	<b>Employability:</b> Content: Analysis of water, soil and food products Activity: Estimate the Ca and Mg by complexometric titration, Determine the DO of water. Identify the food adulteration	2021-22
16	Elective-II Protein Chemistry	CH550B	B.Sc Chemistry	<b>Employability:</b> Content: Protein and enzyme catalysis Activity: Using Ramachandran Plot identifying the structure of protein, Determining the protein sequence, elucidating the mechanism of Alcohol dehydrogenase in oxidation of alcohol.	2021-22
17	Elective-II Cheminformatics	CH550C	B.Sc Chemistry	<b>Employability:</b> Content: Drug design and Structure searching Activity: Identify the target and validation in drug designing, Similarity of structure searching in lead compound analysis	2021-22
18	Organic Chemistry-V	CH639	B.Sc Chemistry	<b>Employability:</b> Content: Photochemical reactions, Amino Acid catalysis, Stereochemistry of carbohydrates, Amino acid synthesis Activity: Predicting the products, assignments, Assignment, Quiz, Predict the Products	2021-22
19	Inorganic Chemistry-IV	CH640	B.Sc Chemistry	<b>Employability:</b> Content: Nitrogen Cycle Activity: nitrogen fixing Bio-fertilizers,	2021-22

20	Physical Chemistry-IV	CH641	B.Sc Chemistry	<b>Employability:</b> Content: Electromotive force Activity: Calculate the EMF of electrochemical cells and some thermodynamic quantities like free energy, enthalpy and entropy of a reaction	2021-22
21	Elective-III Polymer Chemistry	CH642A	B.Sc Chemistry	<b>Employability:</b> Content: Molecular Weight, Structure and Properties of Polymers, Polymer processing Activity: Determining the molecular weight of the polymer and importance of glass transition temperature. Illustrate the various methods of polymer processing.	2021-22
22	Elective-III Industrial and Environmental Chemistry	CH642B	B.Sc Chemistry	<b>Employability:</b> Content: Pollution Activity: Determine the methods of estimating environmentally polluting molecules, Disposal of nuclear waste, nuclear disaster and its management	2021-22
23	Elective-III Green Chemistry	CH642C	B.Sc Chemistry	<b>Employability:</b> Content: Green Synthesis Activity: Designing the method of synthesis by using green catalyst. Developing analytical technique to minimize the toxics in chemical process	2021-22
24	Elective-III Materials Chemistry	CH642D	B.Sc Chemistry	<b>Employability:</b> Content: Nanomaterials and nanocrystals Activity: Synthesis the nanomaterials and apply to the various fields (optical, electrical and medical), Identifying and synthesizing the nanocrystal by various	2021-22



				methods	
25	Elective-III Water Chemistry and Inorganic Materials of Industrial Importance	CH642E	B.Sc Chemistry	<b>Employability:</b> Content: Industrially important materials, Water Chemistry Activity: Applying the synthesize methods for industrially important materials (Silicate, ceramics and Cements), Demineralize the natural water and determine the quality of DM water, Chemical treatment of water for industrial and power plant boilers	2021-22
26	Elective-III Chemistry of Drug Design	CH642F	B.Sc Chemistry	<b>Employability:</b> Content: Computer Aided Drug Design Activity: Molecular modelling and docking process.	2021-22
27	Gravimetric and Organic Analysis	PCH621	B.Sc Chemistry	<b>Employability:</b> Content: Analysis of organic compounds, Estimation of ions gravimetrically Activity: Identify the functional group, Prepare derivative for the product, quantitatively measure the ion present in the compound.	2021-22

28	Physical Chemistry Practicals	PCH622	B.Sc Chemistry	<b>Employability:</b> Content: Viscosity, Molecular weight. Instrumentation Activity: Estimate the molecular weight of the solute by Rast method, Calculate the viscosity of polymer. Know the basic working principle of various instrument like conductometer, potentiometer, polarimeter, calorimeter and pH meter.	2021-22
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## M.Sc Chemistry

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Organic Chemistry-I	CH716	M.Sc Chemistry	<p><b>Employability:</b>            Content: Reactive intermediates and substitution reactions, NMR as a tool for identification of aromaticity            Activity: Writing reaction mechanisms, predicting target molecules, Differentiates aromatic molecules from aliphatic molecules using chemical shift values</p>	2021-22
2	Inorganic Chemistry-I	CH717	M.Sc Chemistry	<p><b>Employability:</b>            Content: Formation of precipitation, defects in crystal, bonding in inorganic molecules.            Activity: Determining the structure and bonding of polyacids, silicates, boron hydrides and metal cluster. Analyzing the defects in solids state. Illustrating the synthetic route of Nano materials.</p>	2021-22
3	Physical Chemistry-I	CH718	M.Sc Chemistry	<p><b>Employability:</b>            Content: Chemical Kinetics            Activity: Determine the various theories to explain the kinetics of fast and complex reactions, Identify the factors affecting the rate of the reactions.</p>	2021-22

4	Elective-I Analytical Chemistry	CH719A	M.Sc Chemistry	<b>Employability:</b> Content : Instrumentation and Applications of spectroscopic and analytical techniques Activity : Demonstrate the ability to understand and interpret the analytical results	2021-22
5	Elective-I Green Chemistry	CH719B	M.Sc Chemistry	<b>Employability:</b> Content : Leather manufacture –Types of Leather –Difference between Hide and Skin-Tanning Activity : Demonstrate and apply the concepts of leather manufacturing and other green processes for acquiring jobs	2021-22
6	Elective-I Pharmaceutical Chemistry	CH719C	M.Sc Chemistry	<b>Employability:</b> Content:, Drug design, Treatment of cancer, Types of drugs. Activity: Synthesis the new drug in pharmaceutical company and analyzing their activity by SAR method, Identifying the lead compounds (drug) and using that in the treatment of appropriate diseases. Select the proper therapy to treat the cancer cells	2021-22
7	Organic Chemistry-II	CH818	M.Sc Chemistry	<b>Employability:</b> Content: Identifies specific reaction mechanisms in molecules, Chirality and Stereochemical outcome of each reactions Activity: Writing organic reaction mechanisms with specific stereochemical products.	2021-22

8	Inorganic Chemistry-II	CH819	M.Sc Chemistry	<b>Employability:</b> Content; Atom transfer reactions Activity: Evaluating atom transfer reaction in complexes	2021-22
9	Physical Chemistry-II	CH820	M.Sc Chemistry	<b>Employability:</b> Content: Equilibrium and non - equilibrium thermodynamics Activity: Determine the partial molar quantities, fugacity of real gas and activity and activity coefficient for non electrolytes, Integrate the concepts and its implications of non – equilibrium thermodynamics to chemical and biological systems	2021-22
10	Elective-II Research Methodology	CH821A	M.Sc Chemistry	<b>Employability:</b> Content : Report Writing Different Steps in Writing Report Layout of the Research Report Types of Reports Activity : Utilize the knowledge on research paper writing to publish quality research papers and become employable in a teaching or research institute	2021-22
11	Elective-II Heterocyclic Chemistry	CH821B	M.Sc Chemistry	<b>Employability:</b> Content : Heterocycles Synthesis and reactions Activity : Interpret the reaction mechanisms and understand them for carrying out reaction in chemical industries	2021-22

12	Elective-II Bio-Organic Chemistry	CH821C	M.Sc Chemistry	<b>Employability:</b> Content : Determination of C and N-terminal amino acid sequence – denaturation and renaturation of proteins Activity : Demonstrate the skill to do biochemical analysis in the field of clinical biochemical tests	2021-22
13	Organic Practicals-I	PCH813	M.Sc Chemistry	<b>Employability:</b> Content: Single stage synthesis of organic compounds Activity: setting up experimental layout for pilot synthesis	2021-22
14	Inorganic Practicals-I	PCH814	M.Sc Chemistry	<b>Employability:</b> Content: Separation of Inorganic Ions Activity: Analyzing Familiar and less familiar basic radicals. Predicts the precipitates of respective ions present in solution.	2021-22
15	Physical Practicals-I	PCH815	M.Sc Chemistry	<b>Employability:</b> Content: Chemical equilibrium and Kinetics, Phase rule Activity: Determine the order and mechanism of kinetics by some instrumental methods like polarimeter, Calculate the activation energy of a reaction by using Arrhenius theory, Construct the phase diagram and apply it to metallurgical industry.	2021-22

16	Organic Chemistry-III	CH918	M.Sc Chemistry	<p><b>Employability:</b>  Content: Identifying the molecular rearrangements in organic reactions, Reaction Mechanism of molecular rearrangements and reagents, Pericyclic reactions  Activity: devising steps for organic synthesis based on molecular rearrangement, deciding proper reagents for functional group transformations, identifying the nature of molecular rearrangements, Predicting Products, predicting intermediates</p>	2021-22
17	Inorganic Chemistry-III	CH919	M.Sc Chemistry	<p><b>Employability:</b>  Content: Characterization of Inorganic Materials.  Activity: Assessing and applying Mossbauer's spectroscopy for Fe and Sn system, Structural confirmation of inorganic compounds by UV- Visible, IR, NMR.</p>	2021-22
18	Spectroscopy	CH920	M.Sc Chemistry	<p><b>Employability:</b>  Content: Preparation of Complex  Activity: Preparation of Inorganic complexes and identifying the ions present in salt or solution.</p>	2021-22

19	Elective-III Inorganic Photochemistry and Materials Science	CH921A	M.Sc Chemistry	<p><b>Employability:</b>  Content : Photo physical and photochemical implications in chemical reactions, Electron transfer reactions in transition Metal Complexes  Activity : Understand the importance and significance of photochemical phenomenon in various chemical reactions, To apply the concept of photochemical reactions and utilize them to be a part of energy manufacturing industries</p>	2021-22
20	Elective-III Polymer Chemistry	CH921B	M.Sc Chemistry	<p><b>Employability:</b>  Content : Techniques of polymerization–emulsion, bulk, solution and suspension  Activity : Adopt and utilize the knowledge obtained in polymeric processes to get employed as a chemist</p>	2021-22
21	Elective-III Cheminformatics	CH921C	M.Sc Chemistry	<p><b>Employability:</b>  Content : Query languages - SMARTS, SMILES coding, Matrix representations, Use of Chemoinformatics, Prospects of Chemoinformatics, Molecular modelling, and structure elucidation  Activity : learn the coding techniques to obtain employment as chemoinformatic professional, Understand and apply the principles of chemoinformatics for predicting reaction sequences</p>	2021-22



22	Organic Chemistry-IV	CH1017	M.Sc Chemistry	<p><b>Employability:</b>  Content: Green Chemistry, Natural product synthesis, Retrosynthetic approach for synthesizing various organic molecules.  Activity: Applying disconnection approach to arrive precursor for API(active pharmaceutical ingredients), Select suitable green solvents for ecofriendly synthesis, Planning retrosynthetic approach for a given target molecule, Applying Protection and deprotection strategy for organic synthesis</p>	2021-22
23	Inorganic Chemistry-IV	CH1018	M.Sc Chemistry	<p><b>Employability:</b>  Content: Nuclear Chemistry, Coordination chemistry, Bio-inorganic Chemistry, Catalyst  Activity: Evaluating different models in radioactive decay, Synthesis of various organometallic catalyst like Wilkinson, Zeigler natta, Wacker's process and Repee's catalyst.</p>	2021-22
24	Physical Chemistry-III	CH1019	M.Sc Chemistry	<p><b>Employability:</b>  Content: Ionic equilibria in electrochemistry, electrical double layer  Activity: Determine the activity and activity coefficient by electrochemical method, calculate the capacitance and electron current density at electrode - electrolyte interface. identify the mechanism of electron transfer reactions in some electrochemical system</p>	2021-22

25	Organic Practicals-II	PCH1013	M.Sc Chemistry	<b>Employability:</b> Content: Double stage Organic synthesis Activity: Identify suitable reagents and experimental setup for a given target chemo-selective organic molecule.	2021-22
26	Inorganic Chemistry-II	PCH1014	M.Sc Chemistry	<b>Employability:</b> Content: Separatic the mixture of ions, Quantitatively and qualitatively estimate the ions. Quantitative analysis of inorganic mixture solutions using volumetric as well as gravimetric method. Identify the concentration and the amount of the ions by colorimetric method	2021-22
27	Physical Chemistry Practicals	PCH1015	M.Sc Chemistry	<b>Employability:</b> Content: EMF measurements, Spectroscopy Activity: Determine the concentration and pH of unknown solution by EMF method, Calculate the wavelength or the frequency and force constant by using the IR spectra, Calculate absorbance for chromophore by using the UV spectra.	2021-22

## B.Sc. Computer Science

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Practical -I: Web Development Using HTML	PCS108	B.Sc. Computer Science	<b>Employability:</b> Exercise to create a webpage using hyperlink, frameset, tables, forms, Styling with CSS through practice in computer laboratory, so that the student can be able to develop creative website designing skills.	2021-22
2	Practical -II: Programming Using C	PCS212	B.Sc. Computer Science	<b>Employability ;</b> Employability & Skill Development: Practicing for Drawing the flowchart, writing algorithm, Coding techniques, debugging, code review through practice in computer laboratory, based on this activity the student can become a programmer	2021-22
3	Data Structures and Algorithms Using C	CS323	B.Sc. Computer Science	<b>Employability :</b> Learning the functionalities of stack, queue, tree, graph techniques through practice in computer laboratory, based on these the students can face the interview and also they can become a Data architect.	2022-23
4	Practical -III: Data Structures And Algorithms Using C	PCS309	B.Sc. Computer Science	<b>Employability :</b> Exercise to create a functionalities of stack, queue, tree, graph techniques through practice in computer laboratory, based on these the students can face the interview and also they can become a Data architect.	2022-23

5	Relational Database Management Systems	CS423	B.Sc. Computer Science	<b>Employability</b> : Practice for writing queries on commands, constrains, and normalization concepts through practice in computer laboratory. Based on these activities they can become a Database designer and Database admin.	2022-23
6	Practical -IV: Relational Database Management Systems	PCS412	B.Sc. Computer Science	<b>Employability</b> : Exercise to create queries on commands, constrains, and normalization concepts through practice in computer laboratory. Based on these activities they can become a Database designer and Database admin.	2022-23
7	Programming Using Java	CS534	B.Sc. Computer Science	<b>Employability</b> : Practice for creating simple application with use of Java applets and threading concepts through practice in computer laboratory, so that the students can become a programmer.	2022-23
8	Linux and Shell Programming	CS535	B.Sc. Computer Science	<b>Employability</b> : Learning the Unix command like file management, disc management, security on files, communication oriented, process oriented commands and shell scripting through practice in computer laboratory, so that the students can become a system admin and system side programmer.	2020-21
9	Programming Using PHP	CS536	B.Sc. Computer Science	<b>Employability</b> : Learning the server side scripting with help of PHP through practice in computer laboratory, so that the student can become a web page designer.	2020-21
10	Operating Systems	CS537	B.Sc. Computer Science	<b>Employability</b> : Learning the OS concepts like fragmentation, paging, swapping, deadlock, semaphore and CPU scheduling algorithms through practice in computer laboratory, so that the students	2020-21

				can become a system admin.	
11	Software Engineering	CS538	B.Sc. Computer Science	<b>Employability</b> : Practice the SDLC life cycle activities through assignment writing, problem solving and seminar and also applying the SDLC concept to the project to create software on his/her own. So that the students can become a software designer.	2020-21
12	Practical -V :Programming Using Java	PCS512	B.Sc. Computer Science	<b>Employability</b> : Creating simple application with use of Java applets and threading concepts through practice in computer laboratory, so that the students can become a programmer.	2020-21
13	Practical -VI :Linux and Shell Programming	PCS513	B.Sc. Computer Science	<b>Employability</b> : Creating simple application with use of Linux and Microprocessor concepts through practice in computer laboratory, so that the students can become a programmer.	2020-21
14	Practical -VII :Programming Using PHP	PCS514	B.Sc. Computer Science	<b>Employability</b> : Exercise to create the small web application with html and php through practice in computer laboratory, so that the students can develop the web designing skills.	2020-21
15	Mobile Apps – Android Development	CS629	B.Sc. Computer Science	<b>Employability</b> : Learning the android life cycle, layers, SDK, android common control and database operations through demonstration, so that the students can become an Android Mobile Application developer.	2020-21
16	Web Development Using XML	CS628	B.Sc. Computer Science	<b>Employability</b> : Learning the xml self descriptive tags, DTD validation, Schema validation, XSLT and web services through assignment writing, and practice in computer laboratory, so that the students can become a web services developer.	2020-21

17	Programming Using Python	CS630	B.Sc. Computer Science	<b>Employability</b> : Creating simple application with use of Python concepts through practice in Assignment and Computer laboratory, so that the students can become a programmer.	2020-21
17	Microprocessor and its Applications	CS629	B.Sc. Computer Science	<b>Employability</b> : Learning the registers, instruction set and machine code, so the students can understand the assembly level language programming concepts through assignment writing, problem solving, seminar and demonstration of assembly programs using Emulator-Software. So that the students can become an embedded tool developer.	2020-21
18	Elective II :Computer Networks	CS631	B.Sc. Computer Science	<b>Employability</b> : Wired and wireless medium, different protocols, types of network through assignment writing, problem solving and seminar, so that the students can become a network technician, network supervisor and network admin.	2020-21
19	Practical - VIII: Microprocessor and its Applications	PCS623	B.Sc. Computer Science	<b>Employability</b> : Exercise to create the small mobile application with XML and Java through practice in computer laboratory, so that the students can develop the skills.	2020-21
20	Practical -IX :Programming Using Python	PCS624	B.Sc. Computer Science	<b>Employability</b> : Creating simple application with use of Python concepts through practice in computer laboratory, so that the students can become a programmer.	2020-21

21	Practical -VI :Web Development Using XML	PCS625	B.Sc. Computer Science	<b>Employability</b> : Exercise to create the xml document with embedded to, DTD, Schema and XSLT to validate the xml documents through practice in computer laboratory, so that the students can develop the web service oriented skill.	2020-21
22	Project Work	PCS626J	B.Sc. Computer Science	<b>Employability</b> : Practice for creating different types of application like desktop application (C, Java), web application (HTML,PHP,JSP,.net), games software, network applications through creating an artefacts, LAB practice, discussion with the project supervisor , and reviews. Based on these activities the students can start their own software development centre and can become as a freelance software designer.	2020-21

# M.Sc. Computer Science

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Principles of Compiler Design		M Sc Computer Science	<b>Employability :</b> Code generation, Activities: Assignment -The Phases, Seminar - Compiler construction tools.	2021-22
2	Advanced Java Programming		M Sc Computer Science	<b>Employability</b> Contents : AWT, Swing, JDBC, Network in java, Collections, JSP & Servlet, Client side programming Activities : Hands on programming using AWT and swing with JDBC, Quiz on collections, Application Development using AWT or swing with JDBC, web application development using JSP and Servlet	2021-22
3	Desktop Applications		M Sc Computer Science	<b>Employability</b> Contents: C# Programming, Remoting and Reflection, Windows Forms Application with database Activities : Windows Application Development using Windows Form Application with database, Problem Solving using Remoting and Reflection , Quiz on C# Programming.	2021-22



4	Open Source Technologies		M Sc Computer Science	<b>Employability</b> Content: Text Formatting, Lists and Links, Database Application, CSS Activities: Develop programs using HTML, CSS, MySql and PHP.	2021-22
5	a. Web Services		M Sc Computer Science	<b>Employability</b> Contents : XML technology, SOAP, WSDL, UDDI, XML in E-Business and CMS Activities : Assignments, Quiz, Seminar	2021-22
6	b. Data Mining and Warehousing		M Sc Computer Science	<b>Employability</b> Content: Classification and Prediction, Cluster Analysis, Applications and Trends in Data Mining,	2021-22
7	c. Business Intelligence		M Sc Computer Science	<b>Employability</b> Contents : Complex business problem, adaptive business intelligence and prediction methods, modern optimization techniques, Computational intelligence Activities : Assignments, Quiz, Seminar	2021-22
8	Practical – I: Advanced Java Programming		M Sc Computer Science	<b>Employability</b> Contents : AWT, Swing, JDBC, Network in java, Collections, JSP & Servlet, Client-side programming Activities : Practical programs on all topics, Windows and web Application Development using AWT, Swing, JDBC, JSP and Servlet	2021-22

9	Practical –II : Desktop Applications		M Sc Computer Science	<b>Employability</b> Contents: OOPS Concepts, Windows Form Controls, ADO.NET Activities: Windows Application Development using Windows Form Controls with database, Problem Solving using ADO.NET	2021-22
10	Practical – III:Open Source Technologies		M Sc Computer Science	<b>Employability</b> Content: Text Formatting, Lists and Links, Database Application, CSS Activities: Develop programs using HTML,CSS, MySql and PHP.	2021-22
11	Employability Skills		M Sc Computer Science	<b>Employability</b> Contents : Self motivation, Communication, Resume preparation, Self grooming and body language, Interview techniques. Activities : Demonstration, speech, story telling, mock interview.	2021-22
12	Enterprise Java Programming		M Sc Computer Science	<b>Employability</b> Contents : MVC Frameworks - JSF, Struts, EJB, Hibernate, Spring Frameworks Activities : Quiz on MVC, Web Application Development using JSF and Struts, Hands on programming using EJB and Hibernate, Seminar on Spring	2021-22
13	Web Applications		M Sc Computer Science	<b>Employability</b> Contents: ASP.NET and Web Forms, Web Controls, Component Programming, Custom Controls, ADO.NET Activities : Web Application Development using ASP.NET Web Forms and Controls, Problem Solving using ADO.NET, Quiz on Custom Controls.	2021-22

14	Programming in Python		M Sc Computer Science	<b>Employability:</b> Content: Python Programming, Functions and Lists, Dictionaries Activities: Working with dictionaries, installing packages, tkinter, working with databases	2021-22
15	a. Object Oriented Analysis and Design		M Sc Computer Science	<b>Employability :</b> Generic undersating of Diagrams, Software Development Life Cycle Activity: Class performance -UML Diagrams , Assignment - SDLC	2021-22
16	b. Software Testing and Quality Assurance		M Sc Computer Science	<b>Employability</b> Contents : Testing basics, Test case design, Level of Testing, software quality and quality control Activities : Assignments, Quiz, Testing tool demonstration and Supplementary learning	2021-22
17	Practical - IV: Enterprise Java Programming		M Sc Computer Science	<b>Employability</b> Contents : MVC, Frameworks - JSF, Struts, EJB, Hibernate, Spring Frameworks Activities : Demonstrating programs, Practical excercises, Application Development	2021-22
18	Practical - V: Web Applications		M Sc Computer Science	<b>Employability</b> Contents: ASP.NET and Web Forms, Web Controls, Component Programming, Custom Controls, ADO.NET Activities: Web Application Development using ASP.NET Web Forms and Controls, Problem Solving using ADO.NET and Custom Controls	2021-22

19	Practical -VI: Programming in Python		M Sc Computer Science	<b>Employability:</b> Contents: Sort Words in Alphabetical Order, Compute Mean, Variance and Standard Deviation Using List. Activities: working with datatypes, applications of GUI and database	2021-22
20	Internet Of Things		M Sc Computer Science	<b>Employability :</b> Content: IoT and M2M, IoT Sensors, IoT Design Methodology, IoT Systems Connection and Working Process.	2021-22
21	Design and Analysis of Algorithms		M Sc Computer Science	<b>Employability</b> Contents : Pseudo Code design, Divide and conquer method, Dynamic programming, backtracking, branch and bound methods Activities : Demonstration of algorithms, Problem solving Assignments, Quiz, Seminar, Supplementary learning	2021-22
22	Mobile Applications		M Sc Computer Science	<b>Employability</b> Contents: Android Introduction, Activities, Intents, Fragments, UI Views, Handling Pictures, Menus, Data Storage Activities : Mobile Application Development using Android UI Views, Intents and Data Storage, Problem Solving on Menus and Fragments, Quiz on Handling Pictures.	2021-22

23	Practical-VII: Design and Analysis of Algorithms		M Sc Computer Science	<b>Employability</b> Contents : Pseudo Code design, Divide and conquer method, Dynamic programming, backtracking, branch and bound methods Activities : Writing observation & Execution of algorithms for all the methods through programming	2021-22
24	Practical – VIII: Mobile Applications		M Sc Computer Science	<b>Employability</b> Contents: Android Introduction, Activities, Intents, Fragments, UI Views, Handling Pictures, Menus, Data Storage Activities: Mobile Application Development using Android UI Views, Intents and Data Storage, Problem Solving on Menus, Handling Pictures and Fragments.	2021-22
25	Software Project – I		M Sc Computer Science	<b>Employability</b> Activities : Real time application development	2021-22
26	Career Building Skills		M Sc Computer Science	<b>Employability</b> Contents : Attitude & altitude, Time is money, Team building, leadership, Interpersonal skill, Presentation skill, Business correspondence, Interview, Group Dynamics Activities : Seminar, classroom Activities, Assignments	2021-22
27	Data Science with Python		M Sc Computer Science	<b>Employability</b> Contents : Data Analysis and its packages using python, numpy, pandas, matplotlib. Activities : Demonstration of data analysis using numpy and pandas, Assignments on matplotlib, Quiz, Seminar	2021-22

28	Machine Learning		M Sc Computer Science	<p><b>Employability</b>  Contents: Machine Learning, Types of Machine Learning, Machine Learning Algorithms  Activities : Problem Solving on Machine Learning Algorithms, Quiz on Introduction to Machine Learning, Algorithm Implementation, ML application development using Types of Machine Learning Algorithms</p>	2021-22
29	Cryptography and Network Security		M Sc Computer Science	<p><b>Employability</b>  Content: Employability : Network Security, System Level Security Skill Development Introduction, Public Key Cryptography, Authentication And Hash Function  Activity: Brain-Storming, Discussion on cyber security and IT Act and its impact in real life, Case studies</p>	2021-22
30	Practical - IX: Data Science with Python		M Sc Computer Science	<p><b>Employability</b>  Contents : Data Analysis and its packages using python, numpy, pandas, matplotlib.  Activities : Execution of data analysis using numpy and pandas through Practicals, data visualization using matplotlib</p>	2021-22
31	Practical - X: Machine Learning		M Sc Computer Science	<p><b>Employability</b>  Contents: Machine Learning, Types of Machine Learning, Machine Learning Algorithms  Activities : Problem Solving on Machine Learning Algorithms, Quiz on Introduction to Machine Learning, Algorithm Implementation, ML application development using Types of Machine Learning Algorithms</p>	2021-22

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Human Rights

M Sc Computer  
Science

**Employability:**  
Contents: Theories of Human  
Rights, Constitution of India, Human  
Rights of Women

2021-22

# MSW

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Introduction to Social Work Profession	MSW130T	MSW	<p><b>Employability</b>            Contents: promotes social change, development, cohesion and the empowerment of people and communities.            Activities : Assess your client,create and implement a treatment plan,secure and refer needed resources, evaluate and monitor improvement,serve as a client's advocate</p>	2021-22
2	Social Work Practice With Individuals	MSW131T	MSW	<p><b>Employability</b>            Contents : Understanding of human development, behavior and the social, economic and cultural institutions and interactions            Activities : Identify people in need,assess clients' needs,situation,strengths and support networks to determine their goals.</p>	2021-22
3	Social Work Practice With Groups	MSW132T	MSW	<p><b>Employability</b>            Contents: Enhance social functioning through purposeful group experiences, to cope more effectively with their personal problems with models            Activities : Identify the instructional objectives, Make the task challenging, Assign group tasks that encourage involvement, interdependence, Decide on</p>	2021-22



				group size, forming, storming, norming, performing, and adjourning.	
4	Social Work Practice With Communities	MSW230T	MSW	<b>Employability</b> Contents: diverse communities and working to achieve social justice through structural change. power dynamics, social justice through structural change. Activities: Obtain executive sponsorship, Determine mission and goals, Build a core team, Promote knowledge management, Engage in regular communication	2021-22
5	Human Resource Management	MSW231T	MSW	<b>Employability</b> Contents: the strategic approach to the effective and efficient management of people in a company or organization such that they help their business gain a competitive advantage. Activities: Recruitment and Employee Screening. Acquiring new talent is something every business needs to do if they wish to grow, Company Benefits and Compensation, Performance Evaluation, Employee Relations, Enforcement of Disciplinary Actions, Employee Records, Continued Education.	2021-22
6	Medical & Psychiatric Social Work	MSW232T	MSW	<b>Employability</b> Contents: diagnosis, treatment and prevention of mental, emotional and behavioral disorders Activities: Engaging in wellness activities, assess patients and develop patients' specific plans of care. Connect with other people. Good relationships are important for your mental wellbeing, Be physically active. Being active is not only	2021-22

				great for your physical health and fitness, Learn new skills.	
7	Social Work Research & Statistics	MSW320T	MSW	<b>Employability</b> Contents: Longitudinal, Cross-sectional, Correlational Research. understand and critique empirical research, evaluate practice, disseminate research findings, and promote clients' interests. Activities: research question. Select aspects of behaviour and alternate models of behaviour modifications. Enhance social functioning at the individual, group, community and societal levels.	2021-22
8	Rural & Urban Community Development/	MSW321A	MSW	<b>Employability</b> Contents: The Community as Locality, The Community as Sentiment, The Neighborhood, Participation, Sustainable development, Techniques in rural development planning Activities: Public health and Sanitation. Women empowerment. Infrastructure development (electricity, irrigation, etc.) Facilities for agriculture extension and research,	2021-22
9	Industrial Relations/	MSW321B	MSW	<b>Employability</b> Contents: Employees, Employers, Government Activities: collective bargaining, workers' participation in decision-making, and grievance and dispute settlement, and the management of conflict between employers, workers and trade unions.	2021-22

10	Youth Development	MSW321C	MSW	<p><b>Employability</b>  Contents: communities, Colleges, organizations, peer groups, and families .  Activities: Programs can use a wide variety of activities, such as community service, adventure and outdoor activities, art, drama, music, religious instruction, sports.</p>	2021-22
11	Rural and Urban Governance/	MSW322A	MSW	<p><b>Employability</b>  Content: Accountability, Legal framework for development  ·Information and transparency, Organization efficiency; between rhetoric and reality  Activities: water supply; construction and maintenance of roads, streets, bridges, subways and other public works, street lighting; drainage and sewerage; garbage collection and disposal; prevention and control of epidemics</p>	2021-22
12	Human Resource Management in Service Sector/	MSW322B	MSW	<p><b>Employability</b>  Contents: Human capital management; Knowledge Management; Remuneration management;  Employment relationships; Satisfying different needs; Removing the gap  Activities: staffing, development, compensation, safety and health, and employee and labor relations  Expanding News Headlines &amp; Word Associations</p>	2021-22

13	Strategies for youth Development	MSW322C	MSW	<p><b>Employability</b>  Contents: Reading Comprehension, Language Tasks, Tenses, Short Film Transcript, Speech by Obama, Unleashing Creativity, Plosive Sounds, Indirect and Direct Speech &amp; Gerunds.  Activities: human rights education, youth policy development, cultural activities, personal and professional development of youth, leadership programmes.</p>	2021-22
14	Human Rights and Social Legislation	MSW420T	MSW	<p><b>Employability</b>  Contents : right to life and liberty, freedom from slavery and torture, freedom of opinion and expression, the right to work and education, social advocacy, empowerment of basic human rights, dignity, and conducive environment.  Activities: prevent or alleviate individual, group and community problems, and to improve the quality of life for all people</p>	2021-22
15	Development Strategies	MSW421A	MSW	<p><b>Employability</b>  Contents: Basic Concepts, Prime Ministerial Form of Government  Activities: researching and identifying strategic options, selecting the most promising and deciding how resources will be allocated across the organisation to achieve</p>	2021-22

16	Organizational Behaviour	MSW421B	MSW	<p><b>Employability</b>  Contents: Autocratic Model. The root level of this model is power with a managerial orientation of authority.  Custodial Model. The root level of this model is economic resources with a managerial orientation of money,  Supportive Model, Collegial Model.  Activities: helping people obtain tangible services; counseling and psychotherapy with individuals, families, and groups; helping communities or groups; provide or improve social behaviour</p>	2021-22
17	NGO Management	MSW421C	MSW	<p><b>Employability</b>  Contents: Human rights and child rights, Poverty eradication, Animal Rights, Prevent Social Injustice, Conservation of Environment, Aged people care routine. Empowerment of women, Disease Control and others.  Activities: Social Safety-Valve Role, Improve Government Performance, The Service Role, Building Community Participation, Women Empowerment, sustainable Development.,advocacy and Raising Awareness &amp; Brokerage.</p>	2021-22
18	Livelihood & Social Audit	MSW422A	MSW	<p><b>Employability:</b>  Contents: measuring, understanding, reporting and ultimately improving an organization's social and ethical performance  Activities: Environmental impact resulting from the company's operations. Transparency in reporting any issues regarding the effect on the public or environment, Accounting and financial</p>	2021-22

				transparency, Community development and financial contributions, Charitable giving, Volunteer activity of employees.	
19	Human Resource Development	MSW422B	MSW	<p><b>Employability:</b>  Contents: a process of developing and unleashing. human expertise through organization development (OD) and personnel training and. development (T&amp;D) for the purpose of improving performance  Activities: Ensuring that the company is in compliance with all employee laws and regulations that apply to it.  Recruiting and staffing, Benefits and compensation, Education and training, Employee relations, Advising management on employee-related matters.</p>	2021-22
20	Project Monitoring and Evaluation	MSW423A	MSW	<p><b>Employability :</b>  Contents: Guide strategic planning, to design and implement programmes and projects, and to allocate, and re-allocate resources in better ways.  Activities: Use a planning tool, Describe your outputs, Set output indicators, Describe your outcomes, Set outcome indicators, Plan how to measure soft outcomes, Test knowledge and awareness carefully, Review and prioritise your outcome indicators</p>	2021-22

21	Skill Matrix & Competency Mapping	MSW423B	MSW	<p><b>Employability:</b>            Contents : Intellectual Competencies, Motivational Competencies, Emotional Competencies &amp; Social Competencies.            Activities : Common competency mapping, critical incidents technique, interviewing, questionnaires and psychometric tests. Determine the skills needed to complete a project. Gauge each team member's current level of skills. Rate each team member's level of interest in a skill. Use the information from the skills matrix to determine any missing skills needed.</p>	2021-22
22	Social Work with Family & Children	MSW423C	MSW	<p><b>Employability:</b>            Contents: protecting the most vulnerable in our society and supporting children and families in need of assistance.            Activities: solution of family problems and the emotional maladjustment of family members by counseling in health, education and adjustment questions to overcome disturbance to normal, healthy family living.</p>	2021-22
23	Environmental Social Work	MSW424A	MSW	<p><b>Employability :</b>            Contents: focusing on ecological and environmental sustainability and justice, Natural environment, Human environment, Physical environment.            Activities: helping to prevent and address the consequences of climate change through education, advocacy, community organizing. Making better transport choices; reducing your electricity usage; buying local; donating to conservation groups; and avoiding toxic chemicals</p>	2021-22

24	Performance Management	MSW424B	MSW	<p><b>Employability :</b>  Contents: Phases or stages for employee development: coaching, corrective action, and termination.  Activities: Planning, Developing, monitoring, Performing, reviewing and rewarding.</p>	2021-22
25	Social Entrepreneurship	MSW424C	MSW	<p><b>Employability:</b>  Contents: The Community Social Entrepreneur, The Non-Profit Social Entrepreneur, The Transformational Social Entrepreneur, The Global Social Entrepreneur.  Activities : Produce medicinal, herbal, gastronomical. Improve the environment through biodynamic farms, for children to emphasize creativity</p>	2021-22
26	Employability Skills	MSW425S	MSW	<p><b>Employability:</b>  Contents: Critical thinking and problem solving, Teamwork and collaboration. Professionalism and strong work ethic. Oral and written communications skills. Leadership.  Activities: communication; team work; problem solving; initiative and enterprise; planning and organising; self-management; learning skills; and technology, improve your performance, minimize errors and promote collaboration with your coworkers, enabling you to perform your role more effectively.</p>	2021-22



# BBA

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Fundamentals of Management	B108	BBA	<p><b>Employability:</b>            Contents: Functional Management , Span of Management, Selection – Recruitment – Leadership            Activity: Flow Chart, Mock Interview, Assignment, Quiz, Discussion</p>	2021-22
2	Fundamentals of Organization	B109	BBA	<p><b>Employability:</b>            Contents: Sole Trader – Partnership – Joint Stock Companies – Cooperative Societies – Trade Associations            Activity: Document Preparation, Assignment  <b>Entrepreneurship:</b>            Contents: Sole Trader – Partnership            Activity: Documents, Visiting Companies,  <b>Skill Development:</b>            Contents: Social Responsibility of Business            Activity: Social Service activities</p>	2021-22

3	Business Lab	PB102	BBA	<b>Employability:</b> Contents: Powerpoint preparation, Viva Voce Activity: Seminar, Practical	2021-22
4	Accounting for Managers	B208	BBA	<b>Employability:</b> Contents: Subsidiary Books, Final Accounts Activity: Demonstration, Practical Works, Exercises on Accounting Areas	2021-22
5	Business Correspondence	B209	BBA	<b>Employability:</b> Contents: Importance of Effective Communication, Essentials of an Effective Business Letter, Sales Letter and Report, Circular Letters Activity: Communication Origami, Report Writing, Guessing the Emotion, Writing Sales Letters	2021-22

6	Business Practical -II	PB202	BBA	<b>Employability:</b> Contents: Filling up of Jewel Application, Railway Ticket Activity: Filling up of forms	2021-22
7	Human Resource Management	B319	BBA	<b>Employability:</b> Contents: Employee appraisal- concept-objectives- process. Wage and Salary Administration – Objectives– Essentials of Sound Wage Structure – Factors Affecting Wage – Methods of Wage Payment – Wage Policy in India – Executive Compensation. Separations – Meaning – Types. Activity: Assignments, Quiz, Group Discussions, Mock Interview	2021-22

8	Principles of Marketing	B320	BBA	<p><b>Employability:</b>  Contents: Personal Selling, Advertising, Sales Promotion, Public Relations, Direct Marketing.  Activity: Design sample Online Advertising  Entrepreneurship: Contents: 100%  Activity: Creating Advertisement, Chart Work, Ppt. Presentation</p>	2021-22
9	Cost & Management Accounting	B321	BBA	<p><b>Employability:</b>  Contents: Preparation of cost sheet with Tenders and Quotations. Methods of Valuing Material Issues. Cash Flow Statement -Break-Even Analysis, Margin of Safety, P/V Ratio, Budgets and Budgetary Control  Activity: Preparing Cost sheet, Assignments, Quiz. Financial Performance Analysis - Working Capital Analysis from Secondary Data- Assessment of Financial Status- Computation of WC Requirements.</p>	2021-22

10	Economics for Management	B322	BBA	<b>Employability:</b> Contents: Demand Forecasting, Pricing Policies, Capital Budgeting & Pricing methods and Profit Management, National Income Activity: Class Performance, Assignment & Seminar	2021-22
11	Legal Aspects of Business	B323	BBA	<b>Employability:</b> Contents: Incorporation of Companies - Public Documents-Demat Certificates- Appointment of Directors Activity: Seminar, Assignment	2021-22
12	Research Methods	B422	BBA	<b>Employability:</b> Contents: Types of Research, Census and Sample Survey, Report Writing Activity: Library reference, Data Collection, Analysis and Interpretation, Pilot Survey, Mini Projects Entrepreneurial Skills: Contents: Data Collection – Survey Activity: Field Survey	2021-22

13	Production Management	B423	BBA	<p><b>Employability:</b>  Contents: Production Management - Production Planning and Control-Maintenance Method Study-Time Study - Materials Management Quality Control  Activity: Penny Slide - Quality Control/Control M &amp; M's  Production Activity</p>	2021-22
14	Financial Management	B424	BBA	<p><b>Employability:</b>  Contents: Profit Maximization vs Wealth Maximization, Sources of Capital – Long term, Medium, Short-term-Classification or Kinds of Working Capital, Forecast/Estimate of Working Capital Requirements – Methods of Capital Budgeting - Computing Cost of Capital-the irrelevance concept of dividend or the theory of irrelevance, Cost of Debt  Activity: Comparing Dividend Rate of Different Companies, Quiz, Money Pyramid.</p>	2021-22
15	Industrial Relations and Labour Laws	B425	BBA	<p><b>Employability:</b>  Contents: Factory – Definition – Health – Safety – Hazardous Processes – Welfare – Employment of Young Person – Women – Annual Leave with Wages. Provident Fund Schemes – Employees Pension Scheme and Fund  Activity: PPT Presentation of Current Lawson Labour &amp; Factories,</p>	2021-22

				Assignments, Quiz, Group Discussions	
16	Basic Research Project	B427J	BBA	<b>Employability:</b> Contents: Sample Survey, Report Writing Activity: Library reference, Data Collection, Analysis and Interpretation, Pilot Survey, Mini Projects Entrepreneurial Skills: Contents: Data Collection – Survey Activity: Field Survey	2021-22
17	Organizational Behaviour	B426	BBA	<b>Employability:</b> Contents: Group Dynamics – Functions of Formal, Informal Groups Activity: Group Work Entrepreneurial Skill: Contents: Group Formation – Decision Making Activity: Group Discussion, Decision making skills, Team work	2021-22

18	Export Management	B520	BBA	<b>Employability</b> Contents: Free Trade Zone, Special Economic Zones, Zonal Advisory committee, Chambers of commerce and Industry, TDA, FIEO,EPZ,IIFI,EIC ICA, Directorate of Exhibitions, STC, Export Houses and EXIM Bank Activity: Field Visit to Export Industry, Chamber of Commerce and Attending Seminars	2021-22
19	Project	B516J	BBA	<b>Employability:</b> Contents: Sample Survey, Report Writing Activity: Library reference, Data Collection, Analysis and Interpretation, Pilot Survey, Entrepreneurial Skills: Contents: Data Collection – Survey Activity: Field Survey	2021-22
20	Business Environment	B521	BBA	<b>Employability:</b> Contents: Consumerism- Consumer Protection Act 1986.Privatisation, Liberalization, Economic System Activity: Studying Business Environment in National & Global level, Assignments, Quiz, Group Discussions	2021-22



21	Consumer Behaviour	B522A	BBA	<b>Employability:</b> Content: Consumer Behaviour Models Activity: Assignment	2021-22
22	Retail Management	B522B	BBA	<b>Employability:</b> Contents: Retail Industry in India Decision Making Skills Activity: Group Discussion, Assignment	2021-22

23	Service Marketing	B522C	BBA	<b>Employability:</b> Contents: Health & Hospital Service – Tourism Service – Professional of consultancy services – Telecommunication services – Event Management Activity: Assignment, Seminar, Mini project	2021-22
24	Sales & Distribution Management	B523A	BBA	<b>Employability:</b> Contents: Sales Personnel, Wholesaler, Retailer Activity: Assignment, Seminar	2021-22

25	Business Taxation	B523B	BBA	<b>Employability:</b> Contents: Tax System in India – Types of Taxes – GST Activity: Assignment, Seminar	2021-22
26	Project Management	B523C	BBA	<b>Employability:</b> Contents: Concepts of project management -concept of a project categories of projects - project life - cycle phases - project management concepts - tools and techniques for project management. The project manager - roles and responsibilities of project manager Activity: Case Study, Group Discussion	2021-22

27	Investment Management	B523D	BBA	<b>Employability:</b> Contents: Investment –Features of Investment – Principles of Investment – Various kinds of Investment – Stages involved – Investment Vs Speculation– Sources of Investment Information Activity: Case Study, Role Play, Assignment	2021-22
28	Management Concepts	NBB504	BBA	<b>Employability:</b> Contents: Functional Management – Span of Management – Selection – Recruitment Activity: Flow Chart, Mock Interview, Assignment, Quiz, Discussion	2021-22
29	Strategic Management	B623	BBA	<b>Employability:</b> Contents: Strategies, Strategy -Role, Process, SWOT Analysis, Port folio Strategy, Business Growth, Diversification, Merger, Acquisition Activity: Different MNC's Growth & Challenges, Assignments, Quiz, Group Discussions	2021-22

30	Entrepreneurial Development	B624	BBA	<b>Employability</b> Contents: Project – Techno Economic Survey – Project Life Cycle – Formulation and Significance – Business Plan Activity: Project, Assignment, Quiz	2021-22
31	Social Sensitivity Skills	B625	BBA	<b>Employability:</b> Contents: Driving License, Aadhar, Visa, Passport etc apply in online Activity: Application form	2021-22
32	Banking and Industry	B626A	BBA	<b>Employability:</b> Contents: Functions of Commercial Banks, Functions of Central Bank and Electronic Banking Activity: Training on Banking (Internship), Hands-on-Experience on Merchants Services, Treasury Services and Checking Account	2021-22

33	Logistics and Supply Management	B626B	BBA	<b>Employability:</b> Contents: Transportation, Logistics Network, Application of Information Technologies, Barcode, Scanning Activity: Field Visit, Assignment, Quiz	2021-22
34	Total Quality Management	B626C	BBA	<b>Employability:</b> Contents: Inspection Plans, Statistical process Control, Quality Circle Activity: Assignment, Seminar, Field Visit	2021-22
35	Financial Services	B627A	BBA	<b>Employability:</b> Contents: Commercial Banks, Khadi & Village Board, lease financing, Functions of the Financial System –New Financial Products and Services, Investment, Modern Portfolio Theory (MPT) –Capital Asset Pricing Model and Security Market Line (SML), ATM, CRISIL, IICRA, CARE Activity: Field Visit to Banks	2021-22

36	Customer Relationship Management	B627B	BBA	<b>Employability:</b> Contents: Routes to CIM, Key ECRM features, CRM Architecture, Customer Interaction, Method, Problems with ECRM Solutions, ECRM Tools, Portals Activity: Group discussion, Mime, Skit and Turncoat	2021-22
37	B2B Marketing	B627C	BBA	<b>Employability:</b> Contents: Product Management, Product Development Strategy Activity: Assignment, Seminar, Field Work	2021-22
38	Corporate Social Responsibility	B627D	BBA	<b>Employability:</b> Contents: Social Responsibility of Business, Stakeholder Activity: Field visit, Field work	2021-22

39	Organization Behaviour	NBB604	BBA	<b>Employability:</b> Contents: Group Dynamics – Functions of Formal, Informal Groups Activity: Group Work	2021-22
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# MBA

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Total quality Management	MBA143T	MBA	<b>Employability:</b> Contents: Concepts of Quality Management, Principles and Philosophies of Quality Management, Process Capability, Tools and Techniques for Quality Management, Quality Systems Organizing and Implementation. Activities: Plant visit, Assisgnment, Situation- Real case study analysis	2020-21
2	Field Training (Optional)		MBA	<b>Employability:</b> Contents: Introduction, Methodology, Main Findings , Suggestions, Summary and Conclusion Activities: Business Entity visits, Group Reports, Intgeraction with shop keepers, Report Writing	2020-21
3	Human Resource Management	MBA241T	MBA	<b>Employability:</b> Contents: Perceptive in HRM, The Concept of Best Fit Employee, Learning and Executive Development, Sustaining Employee Interest Performance Management. Activities: Debate, Competency Matrix Creation, Swot Analysis and Role play	2020-21
4	Information Management	MBA242T	MBA	<b>Employability:</b> Contents: The Organization and Systems Concept, Systems Analysis and Design, Functional Management Information Systems , Database Management and Networking,	2020-21

				Enterprise Resource Planning and Security Control . Activities: Group presentation, Assignment, Practicals, Individual virtual test	
5	Strategic Management	MBA341T	MBA	<b>Employability:</b> Contents: 100% Activities: Mock Interview, Case Analysis, Assignment, Seminar, Group Discussion and Turncoat	2020-21
6	International Business Management	MBA342T	MBA	<b>Employability:</b> Contents: 100% Activities: Online Assignment, Seminar, Case Analysis and Group Discussion	2020-21
7	Digital Marketing	MBA344A	MBA	<b>Employability:</b> Contents: 100% Activities: Project, Group Discussions, Turn coat and Business Model Preparation	2020-21
8	Micro Finance	MBA344B	MBA	<b>Employability:</b> Contents: 100% Assignment, Group seminar, NGO Updation, Real time case analysis and Current Affair	2020-21
9	Enterprise Resource Planning	MBA344C	MBA	<b>Employability:</b> Contents: 100% Assignment, Business Plan Presentation, Group seminar, Case Study and Recent updates	2020-21
10	Counseling Skills for Managers	MBA344D	MBA	<b>Employability:</b> Contents: 100% Assignment, Role Play, Counseling Practice, Role Play, Psychometirc Test	2020-21
11	Marketing of Hospital Services	MBA344E	MBA	<b>Employability:</b> Contents: 100% Activities: In Plant Training, Data Analysis, Role Play and Group activities	2020-21

12	Brand and Product Management	MBA345A	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Product launch, Mega Mela, Role Play and Group activities	2020-21
13	Corporate Finance	MBA345B	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Company Financial Statement Analysis, Role Play, Group Assignment	2020-21
14	Quality Management	MBA345C	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Industrial Visit, Group activities, Individual Seminar, Video play	2020-21
15	Emotional Intelligence for Managerial Effectiveness	MBA345D	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Case Study analysis, Role play, Counseling practice	2020-21
16	Summer Internship	MBA346J	MBA	<b>Employability:</b> Contents: 100% Activities: Internship at corporates, Report writing, Viva Voce Examination	2020-21
17	Export and Import Management	MBA440T	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Seminar, Corporate Talk, Role Play and Group activities	2020-21
18	Customer Relationship Management	MBA441A	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Marketing cum Sales Mega Mela, Role Play, Group activities	2020-21
19	International Trade Finance	MBA441B	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Seminar, Webinar, Current affair discussion and Case study	2020-21
20	Logistics Management	MBA441C	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Industrial visit,	2020-21

				Video Play, Group seminar, Case study	
21	Strategic Human Resource Management and Development	MBA441D	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Individual presentation , Role Play and Group activities	2020-21
22	Retail Management	MBA442A	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Rural market survey, SELL BEE Role Play and Group activities	2020-21
23	Security Analysis and Portfolio Management	MBA442B	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Workshop, Hands on training programme, Webinar, and Group activities	2020-21
24	Project Management	MBA442C	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Project analysis, In-plant training and Group activities	2020-21
25	Knowledge Management and Occupational Testing	MBA442D	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Individual assessment, Profile test Role Play and Group activities	2020-21
26	Hospital Architecture Planning	MBA442E	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Case study analysis, Individual seminar and Group activities	2020-21
27	Advertising & Sales Promotion	MBA443A	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, SELL BEE, Mega Mela, Role Play and Group activities	2020-21
28	Inventory Management	MBA443C	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Inventory analysis, Case study discussion and Group activities	2020-21

29	Talent Management	MBA443D	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Residential training programme, Self assessment and Group activities	2020-21
30	Rural marketing	MBA444A	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Survey, Rural area visit, Role Play and Group activities	2020-21
31	Information Technology in Supply Chain Management	MBA444C	MBA	<b>&amp; Employability:</b> Contents: 100% Activities: Assignment, Recent trend analysis, Current technology updation, Webinar and Group activities	2020-21
32	Compensation Management	MBA444D	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Company HR policy analysis, Current amendment, Role Play and Group activities	2020-21
33	Management of Hospital Services	MBA444E	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Group survey, Seminar, Real time case analysis and Group activities	2020-21
34	Mergers and Acquisitions	MBA445B	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Current affair discussion, Account statement analysis and Group activities	2020-21
35	Consumer Behavior	MBA446A	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Feed back survey, Group assignment, Role play and Group activities	2020-21
36	Training for Effective Performance	MBA446D	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Residential training programme, Role Play and Group activities	2020-21
37	Hospital Waste Management	MBA446E	MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, Hospital analysis, Case study analysis, Role Play and Group activities	2020-21

38	Research Project	MBA447J	MBA	<b>Employability:</b> Contents: 100% Activities: Main project study at organization, Individual report and Viva Voce Examination	2020-21
39	Skill Paper- Employability (Optional)		MBA	<b>Employability:</b> Contents: 100% Activities: Assignment, soft skill training, Residential training programme and Group activities	2020-21

## BA Tamil

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Sirukathai, Pudhinam	TA107	B.A.,Tamil	<b>Employability :</b> Contents: Short Stories - Novels - Development of Imagination - contemporary Society - contemporary writings - Discrimination - Social Progress Activities: Reading - test - group discussions - assignments - library visits	2021-22
2	Nannool - Ezhutthathigaaram	TA108	B.A.,Tamil	<b>Employability</b> Contents: Tamil Ezhutthukkalin olippumurai arithal, uyir Ezhutthu, meyyezhutthu, uyirmeiyezhutthu, saarpezhutthukkalai arithal. Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
3	Semmaiyakkamum Thoguththalam	TA109	B.A.,Tamil	<b>Employability</b> Contents: Thamizh mozhiyai pizhaiyillaamal katral Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
4	Tamizhyar panpattu varalaru		B.A.,Tamil	<b>Employability</b> Contents: History - cultures - relationship - festival's - marriage Activities: Reading - test - group discussions - assignments	2021-22

5	Kavithai, Naadagam, Urainadai	TA207	B.A.,Tamil	<b>Employability</b> Contents: Poem - Drama - Prose - Development of Imagination- Contemporary Society - Contemporary writings - Discrimination - Social Progress Activities: Reading - test - group discussions - assignments -library visits	2021-22
6	Nannool - Sollathigaaram	TA208	B.A.,Tamil	<b>Employability</b> Contents: Tamil Sorkkal olippumurai arithal, Peyarssol, Vinaissol, Idaissol, Urissorkalai arithal. Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
7	Kaniniyil Tamil Payanpaadu	TA209	B.A.,Tamil	<b>Employability</b> Contents: History - Internet - Social medias - Apps Activities: Tamil Typing - Google Tools - Canva - Video Editing	2021-22
8	Tamizhyar panpattu varalaru - 1	TA309	B.A.,Tamil	<b>Employability</b> Contents: History - cultures - relationship - festival's - marriage Activities: Reading - test - group discussions - assignments	2021-22
9	Kappiyangal	TA410	B.A.,Tamil	<b>Employability</b> Contents: Thamizhin kaappiya marapinai arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
10	Thandiyalangaram	TA411	B.A.,Tamil	<b>Employability</b> Contents: Aanigal patri aridhal,ilakanangalai aridhal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22



11	Tamizhyar panpattu varalaru - 2	TA412	B.A.,Tamil	<b>Employability</b> Contents: History - cultures - relationship - festival's - marriage Activities: Reading - test - group discussions - assignments	2021-22
12	Ara Ilakkiangal	TA512	B.A.,Tamil	<b>Employability</b> Contents: Thirukkural, naladiyar, mmudurai, vetrivarkkai, ulaka nithi Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
13	Purapporul Venpamalai	TA513	B.A.,Tamil	<b>Employability:</b> Contents: Palanthamiargalin veeram, poor murai, poarukkana kaaranam kuritha arithal, Alivu, Aram arithal, purathani marabugal, maananin olukkam, sirappu patri arithal Activities: Assignment, pootithervirku thayarrakkuthal, seminar	2021-22
14	Tamil mozhi varalaru	TA514	B.A.,Tamil	<b>Employability</b> Contents: History - language growth - language changes - scripts changes Activities: Reading - test - group discussions - home works - library visits	2021-22
15	Ilakkiya Thiranaaivu	TA515	B.A.,Tamil	<b>Employability</b> Contents: History of Literary Criticism - Literary forms - Criticism usages - Development of Theories - Contemporary Idology - Contemporary writings - Discrimination - Social Progress Activities: Reading - test - group discussions - home works - library visits	2021-22
16	Makkal Thagaval Thodarpiyal	TA516A	B.A.,Tamil	<b>Employability</b> Contents: Thagaval thodarpin varalattrai arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22

17	Pandaiya Tamil Ilakkiya Varalaru	TA516B	B.A.,Tamil	<b>Employability :</b> Contents: Sangam age - Literature - Ettuthogai, Pathupattu - thiranaaivu Activities: Group Discussion- Assignments - Reading - test - group discussions - home works - library visits	2021-22
18	Pechu Mozhi & Peachukkalai	NTA503	B.A.,Tamil	<b>Employability</b> Contents: Alumaithiran arithal, thalaichirantha kalai, madaipaachin vakaikal, paachalarin thakuthikal, thodakkam paachi mudithal arithal. Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
19	Nattupuraviyal	TA614	B.A.,Tamil	<b>Employability</b> Contents: History - cultures - relationship - festival's - marriage ect.. Activities: Reading - test - group discussions -assignments	2021-22
20	Oodagaviyal	TA616J	B.A.,Tamil	<b>Employability</b> Contents: Oodagam - Varalaru -Thagaval thodarpin varalattrai arithal - Payanpadu Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
21	Agarathiyiyal	TA615A	B.A.,Tamil	<b>Employability</b> Contents: History - language growth - language changes - adichol - verchol - payanpadu - lexicon Activities: Reading - test - group discussions - home works - library visits	2021-22
22	Navvena Tamizh Ilakkiya varalaru	TA615B	B.A.,Tamil	<b>Employability</b> Contents: Thamizh ilakkia varalaru, Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22

23	Mozhipeyarppu Kalaiyum Mozhi payanpadum	NTA603	B.A.,Tamil	<b>Employability</b> Contents: Mozhipeyarpu kolgaigal-sikkalkal - vagaigal Activities: Tamil to english translation - English to tamil translation - conversation in english	2021-22
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## MA Tamil

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Tholkappiyam -Eluthathikaaram	TA718	M.A.,Tamil	<b>Employability</b> Contents: Eluthukalin pirappu, Punarchi arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
2	Ara Ilakkiangal & Sitrilakkiyangal	TA719	M.A.,Tamil	<b>Employability</b> Contents: Aram - samuga matram - ilakkiyangal - kaala matram - sitrilakkiyangal - varalaru - kavidhai nutpangal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
3	Kavidhai, Sirukadhai	TA720	M.A.,Tamil	<b>Employability</b> Contents: Naveena ezhtukal - Ezhuthalargal - Kavithai - Sirukathai Activities: Kavidhai, Sirukathai vasithal - Thiranaivu - Pudhiya padaipugal ezhudhuthal	2021-22
4	Ikkal mozhiyal	TA721	M.A.,Tamil	<b>Employability</b> Contents: language History - language growth - languages Relations - sounds difrences Activities: Reading - test - group discussions - home works - library visits	2021-22

5	Kaniniyum Tamizhum	TA722	M.A.,Tamil	<b>Employability</b> Contents: History - Internet - Social medias - Apps Activities: Tamil Typing - Google Tools - Canva - Video Editing	2021-22
6	Tholkappiyam -Sollathikaaram	TA819	M.A.,Tamil	<b>Employability</b> Contents: Vetrumai,peyar, vinai, vili arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
7	Kappiyangal	TA820	M.A.,Tamil	<b>Employability</b> Contents: Thamizhin kaappiya marapinai arithal - kolgaigal - matrangal - thiranaaivu Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
8	Pudhinam, Urainadai	TA821	M.A.,Tamil	<b>Employability</b> Contents: Naveena ezhthukal - Ezhuthalargal - Puthinam - Urainadai Activities: Pthinam, Urainadai vasithal - Thiranaivu Seidhal - Pudhiya padaipugal ezhudha Thoondal	2021-22
9	Ilakiya Kotpadugal	TA822	M.A.,Tamil	<b>Employability</b> Contents: History of Literary Criticism - literary forms - Criticism usages - Development of Theories - Contemporary Idology - Contemporary writings - Discrimination - Social Progress Activities: Reading - test - group discussions - assignments- library visits	2021-22

10	Padaippilakkiyamum Aalumaith Thiranum	TA823	M.A.,Tamil	<b>Employability</b> Contents: Naveena ezthukal - Ezhuthalargal - Puthinam - Urainadai - Sirukadhai Activities: Pthinam, Urainadai vasithal - Thiranaivu Seidhal - Pudhiya padaipugal	2021-22
11	Tholkappiyam - Porulathikaaram-I	TA918	M.A.,Tamil	<b>Employability</b> Contents: Aakam, puram, kalavu, karppu arithal. Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
12	Thinai Ilakkiyangal	TA919	M.A.,Tamil	<b>Employability</b> Contents: Thinai marabu - Sanga Padalgal - Paduporul pinnani Activities: Sanga ilakkiyam vasithal - Thiranaivu Seidhal - Aaivu Katturai ezhudhual	2021-22
13	Urai Marapugal	TA920	M.A.,Tamil	<b>Employability</b> Contents: Urai - varalaru - kaala adippadai - nutpangal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
14	Poatti Thearvukkana Tamil	TA921	M.A.,Tamil	<b>Employability</b> Contents: Tamil thagavalgalai aridhal,Potti thervuku thayar aagudhal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
15	Aaivedu	TA922J	M.A.,Tamil	<b>Employability</b> Contents: Tharamana aaivinai uruvakkudhal,Iyalgalai pirika kattru kollal,Aaraichi nerimuraigalai therindhukolludhal Activities: Reading - test - group discussions - assignments- library visits	2021-22

16	Tholkappiyam - Porulathikaaram-II	TA1019	M.A.,Tamil	<b>Employability</b> Contents: Maippaitiyal, uvamaviyal, yeiliyal, marapiyal arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
17	Bakthi Ilakkiyankalum Meiyiyal marabum	TA1020	M.A.,Tamil	<b>Employability</b> Contents: Thamizhargalin panpaadu aridhal,neri unarvugalai aridhal,Mei arivu yenbadhu siddhanthathai unarudhal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
18	Tamilaka varalarum makkalum panpadum	TA1021	M.A.,Tamil	<b>Employability</b> Contents: History - cultures - relationship - festivals - marriage Activities: Reading - test - group discussions - assignment	2021-22
19	Oppilakkiyam	TA1022	M.A.,Tamil	<b>Employability</b> Contents: An Introduction to literary Comparison - History of Comparative literature - - Comparative Theories - Comparative domains - Comparative of Sangam literature Activities: Reading - test - group discussions -assignments -library visits	2021-22
20	Mozhipearpu Kalai	TA1023	M.A.,Tamil	<b>Employability</b> Contents: Mozhipearpu kolgaigal-sikkalkal - vagaigal Activities: Tamil to english translation - English to tamil translation - conversation in english	2021-22

## B.Sc. Biochemistry

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Cell Biology	BC106	B.Sc. Biochemistry	<b>Employability</b> Contents: Cell and its Theory, Structure of Plant and Animal cell. Cells-Prokaryotes and Eukaryotes, Difference between Prokaryotes and Eukaryotes. Activities: Lecture Method, Interactive Presentation and Assignments	2021-22
2	Biomolecules	BC107	B.Sc. Biochemistry	<b>Employability</b> Contents: Biomolecules-Carbohydrate, Proteins, Amino acids, Lipids, Vitamins & Minerals. Activities: Lecture Method, Interactive Presentation and Assignments	2021-22
3	Human physiology	BC207	B.Sc. Biochemistry	<b>Employability</b> Contents: Components of blood. Various system of human body. Activities: Lecture Method, Interactive Presentation and Assignments	2021-22
4	Allied Biochemistry-II	ABC202	B.Sc. Biochemistry	<b>Employability</b> Contents: Components of blood. Various system of human body. Activities: Lecture Method, Interactive Presentation and Assignments	2021-22



5	Microbiology	BC306	B.Sc. Biochemistry	<b>Employability</b> Contents: Microbiology, Microorganisms- bacteria, viruses and sterilization techniques. Activities: Lecture Method, Interactive Presentation, Group discussion and Assignments	2021-22
6	Biophysical chemistry	BC307	B.Sc. Biochemistry	<b>Employability</b> Contents: Units of measurement, Buffer systems, Principles of electrochemical techniques. Activities: Lecture Method, Interactive Presentation and Assignments	2021-22
7	Analytical Biochemistry	BC408	B.Sc. Biochemistry	<b>Employability</b> Contents: General principles of instrumentation and Applications (Chromatography, Centrifugation, Electroporation & Spectrophotometer). Activities: Lecture Method, Interactive Presentation and Assignments	2021-22
8	Enzymology	BC522	B.Sc. Biochemistry	<b>Employability</b> Contents: Enzymes: Nomenclature, General characteristics, Enzyme Kinetics, Enzyme inhibition, Isolation and purification of enzymes. Activities: Group discussion, Lecture Method, Interactive Presentation and Assignments	2021-22
9	Intermediary metabolism	BC523	B.Sc. Biochemistry	<b>Employability</b> Contents: The basic metabolic pathways, Electron Transport Chain, Biosynthesis Fatty Acids, Catabolism of Amino acids, Nucleic Acid Metabolism. Activities: Interactive Presentation, Assignments, Group discussion and	2021-22

				Lecture Method.	
	Endocrinology	BC524	B.Sc. Biochemistry	<b>Employability</b> Contents: Various types of Hormone & its biological actions (Tyroid, Pitutary, Pancreas, Adrenal gland Gonadal hormones). Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
10	Genetics	BC525	B.Sc. Biochemistry	<b>Employability</b> Contents: Premendelian concepts of heredity, Mendelian Inheritance and laws, Linkage and Crossing over, Chromosomal Mutations & Population Genetics. Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
11	Biomedical Instrumentation	BC526A	B.Sc. Biochemistry	<b>Employability</b> Contents: Biomedical Equipment, Bioelectric signals, Biosensor, Therapeutic instruments. Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
12	Medical laboratory technology	BC526B	B.Sc. Biochemistry	<b>Employability</b> Contents: Specimens-Collection, Analysis and preservation of Blood, Urine, Feces, Sputum, Semen, Throat swab, Amniotic fluid and CSF. Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22

13	Pharmacology	BC526C	B.Sc. Biochemistry	<b>Employability</b> Contents: Drug, drug metabolism, adverse drug reactions, general awareness of different types of drugs and its effects. Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
14	NME –Energy Builders	NBC504	B.Sc. Biochemistry	<b>Employability</b> Contents: Various types of biomolecules like Carbohydrates, Lipids, Proteins, Vitamins & minerals. Activities: Interactive Presentation, Assignments and Lecture Method.	2021-22
15	Molecular Biology	BC620	B.Sc. Biochemistry	<b>Employability</b> Contents: Organization of Genes, Replication, Transcription, Translation & Gene Mutation . Activities: Interactive Presentation, Assignments, Group Discussions and Lecture Method.	2021-22
16	Immunology	BC621	B.Sc. Biochemistry	<b>Employability</b> Contents: Immune Response, Antigen–Antibody interactions, Hypersensitivity & Immunization -types. Activities: Interactive Presentation, Assignments and Lecture Method.	2021-22
17	Medical Biochemistry	BC622	B.Sc. Biochemistry	<b>Employability</b> Contents: Regulation of blood glucose, Diseases related to amino acid metabolism, Liver function test, Renal function test & Gastric function test. Activities: Interactive Presentation, Assignments and Lecture Method.	2021-22

18	Nutritional Biochemistry	SSP-II	B.Sc. Biochemistry	<b>Employability</b> Contents: Food, Nutrition, and Diet, Units of energy measurement, Composition of balanced diet and RDA. Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
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# M.Sc. Biochemistry

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Cell Dynamics	BC709	M.Sc. Biochemistry	<b>Employability</b> Contents: Cell types, Cellular organelles, Histopathological Studies, Cell Aging and Death. Activities: Seminar, Lecture Method, Group discussion, Interactive Presentation and Assignments	2021-22
2	Biomolecules	BC710	M.Sc. Biochemistry	<b>Employability</b> Contents: Polysaccharides, Classification of Proteins, Watson -Crick Model of DNA structure, Lipids–Classification & Vitamins. Activities: Lecture Method, Seminar, Interactive Presentation and Assignments	2021-22
3	Human Physiology and Nutrition	BC711	M.Sc. Biochemistry	<b>Employability</b> Contents: Composition and functions of Blood & physiology of various human systems. Activities: Lecture Method & Seminar, Presentation.	2021-22
4	Bioinformatics	BC712 A	M.Sc. Biochemistry	<b>Employability</b> Contents: Introduction to Computers, Operating systems, Database- types, RNA Structure Prediction–mFold, Vienna RNA Package and Circles. . Activities: Interactive Presentation, Assignments, Group discussion, Seminar and Lecture Method.	2021-22

5	Industrial Microbiology	BC712 B	M.Sc. Biochemistry	<b>Employability</b> Contents: Microbial fermentation and its types, Inoculum development, Microbial products of industrial value, Principles of food preservation & Waste management. Activities: Seminars, Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
6	Stem Cell Technology	BC712 C	M.Sc. Biochemistry	<b>Employability</b> Contents: Stem cells-Sources, classification and Types, Applications of Stem cells, Therapeutic Cloning Strategies, Embryonic and Adult stem cells Therapy & Skeletal Muscle Stem cells. Activities: Lecture Method, Interactive Presentation and Assignments	2021-22
7	Instrumentation Biochemistry	BC809	M.Sc. Biochemistry	<b>Employability</b> Contents: Various techniques such as Electrophoresis, Microscopy, spectroscopy, Chromatography. Activities: Seminar, Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
8	Advanced Enzymology	BC810	M.Sc. Biochemistry	<b>Employability</b> Contents: Nomenclature and IUBMB classification of enzymes, Theories of enzyme substrate complex, Mechanism of Enzymic Action, Isolation and Purification of enzymes & Industrial Uses of Enzymes. Activities: Lecture Method, Seminar, Group discussion, Assignments.	2021-22

9	Intermediary Metabolism	BC811	M.Sc. Biochemistry	<b>Employability</b> Contents: Introduction to Metabolism of Cells, Energy Transformation, Biosynthesis of aromatic amino acids & Interrelationship of carbohydrates, Proteins and Fat metabolism. Activities: Lecture Method, Structural Practice, Seminar, Assignments.	2021-22
10	Advanced Endocrinology	BC812A	M.Sc. Biochemistry	<b>Employability</b> Contents: Hormones-Introduction and Chemical nature. Endocrine hypothalamus-Structure, hypophysiotropic hormones, Thyroid & Pancreatic hormones, Reproductive Endocrinology. Activities: Lecture Method, Interactive Presentation, Group discussion and Assignments	2021-22
11	Pharmaceutical Biochemistry	BC812 B	M.Sc. Biochemistry	<b>Employability</b> Contents: Adverse response to drugs, Biotechnology and pharmacy, Mechanism of action of drugs & Role of natural products in drug development. Activities: Lecture Method, Seminars, Interactive Presentation and Assignments	2021-22
12	Environmental Toxicology	BC812 C	M.Sc. Biochemistry	<b>Employability</b> Contents: Ecotoxicology. Toxicology of major pesticides, Toxicity testing Pulmonary toxicity Nephrotoxicity & Hepatotoxicity. Activities: Lecture Method, Interactive Presentation and Assignments	2021-22

13	Molecular Biology	BC911	M.Sc. Biochemistry	<b>Employability</b> Contents: Mendelian Laws of inheritance, replication, Transcription & translation process Activities: Seminar, Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
14	Immunology	BC912	M.Sc. Biochemistry	<b>Employability</b> Contents: Lymphoid system, Types of Immunity, Vaccines, MHC Complex & Transplantation. Activities: Lecture Method, Interactive Presentation and Assignments & Seminars.	2021-22
15	Research Methodology	BC913	M.Sc. Biochemistry	<b>Employability</b> Contents: Ethics in Scientific research, Collection and Classification of Data, Introduction and Scope of Bioinformatics, Ethics in animal experimentation & Composition of institutional Ethical Committee. Activities: Lecture Method, Seminar, Interactive Presentation and Assignments	2021-22
16	Ecology, evolution & biodiversity	BC914A	M.Sc. Biochemistry	<b>Employability</b> Contents: Evolutionary Thoughts & Theories, Origin of genetic variation, Ecology & Ecomanagement. Activities: Lecture Method, Presentations, seminars, Group Discussions.	2021-22
17	Food Biochemistry	BC914B	M.Sc. Biochemistry	<b>Employability</b> Contents: Cereal, Role of spices in food science, Nuts and oil seeds, Flesh foods, Sugar and Sugar products. Activities: Demonstrations, Lecture	2021-22



				Method, Seminar, Interactive Presentation and Assignments.	
18	Bionanotechnology	BC914 C	M.Sc. Biochemistry	<b>Employability</b> Contents: Biomaterials, Nanoparticle synthesis using Plants, Bacteria, Fungi and Virus, Techniques to construct nanostructures & Nanomedicines. Activities: Group discussion, Lecture Method, Interactive Presentation and Assignments, Seminars.	2021-22
19	Advanced Clinical Biochemistry	BC1009	M.Sc. Biochemistry	<b>Employability</b> Contents: Collection of specimens, metabolism and abnormalities of Lipoproteins, Disorders of protein metabolism, Liver & renal function tests, Free radicals in health and disease. Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
20	Project/Dissertation with Viva-Voce	PBC1012 J	M.Sc. Biochemistry	<b>Employability</b> Contents: Reseach Activities. Activities: Interactive explanation, Discussion.	2021-22

21	Plant :Biochemistry and Molecular Biology	BC1011 A	M.Sc. Biochemistry	<b>Employability</b> Contents: Structure & synthesis of chlorophyll, phycobilins and carotenoids, Nitrogen metabolism and plant hormones. Activities: Interactive Presentation, Assignments, Group discussion, Seminar and Lecture Method.	2021-22
22	Medical Diagnostic Technology	BC1011 C	M.Sc. Biochemistry	<b>Employability</b> Contents: Collection and preservation of Blood, Urine, Faeces, Sputum, Semen, Throat swab and CSF. Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22

# BCA

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Digital Logic Fundamentals	CA107	BCA	<b>Employability :</b> Content - Input Unit, Output Unit, Memory Unit , IC Logic Families, Registers and Counters Activities: Visualization of Input, Output and Storage devices with its purpose and features, Brain Storming Assignments, Quiz.	2021-22
2	Internet Concepts and Web Design	CA108	BCA	<b>Employability :</b> Content - Web Page Creation, Layout webpages CSS & Javascript. Activities - Exercise to create a webpage using html Elements, Exercises to improve programming skills.	2021-22
3	Practical I: Internet Concepts and Web Design	PCA104	BCA	<b>Employability :</b> Content - Web Page Creation, Layout webpages CSS & Javascript. Activities - Exercise to create a webpage using html Elements, Exercises to improve programming skills.	2021-22
4	Programming with C	CA207	BCA	<b>Employability:</b> Content - Introduction, Arrays, Functions, Pointers Activities: Exercise to create programs using arrays, Working with the concepts	2021-22

				of functions and pointers.	
5	Operating System	CA208	BCA	<p><b>Employability :</b> Content -Process Management, &amp; scheduling,Main-memory management.</p> <p>Activities - Improved Class performance using blended learning, Experiential Learning thru' applications to real life situation</p>	2021-22
6	Practical - II: Programming with C	PCA204	BCA	<p><b>Employability:</b> Content - Data Types, Working with Arrays, Functions, Pointers, Control Structures, Files</p> <p>Activities: Demonstration on the utilization of data types, Compling programs on decision making statements, Proficiency in controlling looping statements.</p>	2021-22
7	Computer Networks	CA312	BCA	<p><b>Employability :</b> Content - Network layer, IP addresses, DHCP, Network types, Client server programming, DNS and TELNET.</p> <p>Activities: Configuring IP addresses to local computers, Exercises to communicate between client and server.</p>	2021-22

8	Programming with Java	CA313	BCA	<p><b>Employability</b> : Content - Basic Concepts, Classes and objects, packages, exception handling and threading, Applets and Awt, SWING.</p> <p>Activities: Exercise to create one class and multiple objects, Creating user defined packages and access the packages, Exercises to develop web page.</p>	2021-22
9	Data Structures using C	CA314	BCA	<p><b>Employability</b> : Content - Basic Concepts, Arrays &amp; Stacks and Queues, Linked Lists, Graphs</p> <p>Activities - Exercise to learn the concepts of linear and non linear data structures</p>	2021-22
10	Discipline Specific Elective I - Angular JS	CA315A	BCA	<p><b>Employability</b> : Content - MVC, Views and Bootstrap, SEO</p> <p>Activities - Demonstrate about MVC model to construct the application using Bootstrap and SEO.</p>	2021-22
11	Discipline Specific Elective I - Object Oriented Analysis and Design	CA315B	BCA	<p><b>Employability</b> : Content - System Analysis and Design</p> <p>Activities - Exercise to create a UML diagrams based on requirements</p>	2021-22
12	Discipline Specific Elective I : System Analysis and Design	CA315C	BCA	<p><b>Employability</b> : Content - Software development, testing and deployment</p> <p>Activities - Exercise to test existing software with open source testing tools, seminars and assignments on quality assurance.</p>	2021-22

13	Practical III: Data Structures using C	PCA306	BCA	<b>Employability</b> : Content - Trees and Graphs Activities - Demonstrate on realtime applications using trees and graphs.	2021-22
14	Practical - IV: Programming with Java	PCA307	BCA	<b>Employability</b> : Content - Class and Objects, Constructor, Inheritance and Interface, Exception handling, Applets and SWING. Activities: Exercise to create one class and multiple objects, Creating user defined packages and access the packages, Exercises to develop web page.	2021-22
15	Software Engineering	CA412	BCA	<b>Employability</b> : Content - Architectural design,Risk management and Re engineering. Software Process and Requirements model. Activities - Software Cost Estimation,Software Requirements, Software Design and Implementation	2021-22
16	Enterprise Applications using .NET	CA413	BCA	<b>Employability</b> : Content - Windows and Web Forms, Data Access Activities - Exercise to create a webforms using web controls, Demonstration on access the database and performing CURD operations	2021-22

17	Relational Database Management System	CA414	BCA	<b>Employability:</b> Content - Basic Concepts, Data Model , SQL Query Language Activity: Exercises to improve SQL query skills , Creating databases using DDL Statements, Assignment and Discussions on data models.	2021-22
18	Emerging Computing Paradigms	CA415	BCA	<b>Employability:</b> Content - Commerce Architecture, BlockChain, Crypto Currency, CMS (Content Management System) Activities: Case Studies to understand Block Chain, Video lectures about recent tools, installation guidelines, program development using CMS and NoSQL databases, Quiz	2021-22
19	Practical - V: Enterprise Applications using .NET	PCA406	BCA	<b>Employability :</b> Content - ASP.NET Applications with Database Activities - Demonstrate on creating web applications with CRUD operations	2021-22
20	Practical – VI : Relational Database Management System	PCA407	BCA	<b>Employability:</b> Content - DDL, DML, TCL queries, join operations, aggregate functions. Activity: Demonstration on DDL,DML TCL queries, Hands-On Training on join operations.	2021-22

21	Software Testing and Quality Assurance	CA514	BCA	<b>Employability:</b> Content - Static Testing, Black Box Testing, White Box Testing Activities: Identify the scope, risks and objectives of Static, Black Box and White Box testing.	2021-22
22	Computer Graphics	CA515	BCA	<b>Employability :</b> Content - 2D Transformations, 3D Transformations Activities: Collection of the skills related to 2D transformations and 3D transformations.	2021-22
23	Enterprise Applications using JAVA	CA516	BCA	<b>Employability :</b> Content - Software development using Servlets and JSP Activities - problem solving using JSP and servlets	2021-22
24	Programming with Python	CA517	BCA	<b>Employability :</b> Content - Python IDE and developing APIs with GUI Activities - Working with Python IDE and developing APIs with GUI	2021-22
25	Practical - VII : Enterprise Applications using JAVA	PCA505	BCA	<b>Employability :</b> Content - Software development using Servlets and JSP Activities - problem solving using JSP and servlets	2021-22
26	Practical - VIII : Programming with Python	PCA506	BCA	<b>Employability :</b> Content - Developing Python APIs and services Activities - Working with Python IDE and developing APIs with GUI	2021-22



27	Non Major Elective - I: Introduction to Information Technology	NCA504	BCA	<b>Employability :</b> Content - Computer Language Activities - Teaching the basic concepts of programming skills	2021-22
28	Cloud Computing	CA612	BCA	<b>Employability :</b> Content - Virtualization, Cloud Computing Architecture, SaaS,PaaS and IaaS. Activities: Accessing different services provided by cloud, Deployment of applications and management of user data.	2021-22
29	Mobile Application Development	CA613	BCA	<b>Employability:</b> Content - Android - Activities, Intends, Fragments, Views & View Groups, Handling pictures, menus, notifications and SMS, Telephony, Emails using Android Activities: Demonstrations, Exercise to create Mobile Apps, Problem Solving and Quiz.	2021-22
30	Web Programming using PHP	CA614	BCA	<b>Employability:</b> Content - Control Structures, Arrays, Built-in Functions, Form Handling, Cookies, Session, Filters, MySQL Database with PHP Activities - Exercise to create dynamic web pages, Problem Solving, Demonstrations and Quiz.	2021-22

31	Discipline Specific Elective II : Big Data Analytics	CA615A	BCA	<b>Employability:</b> Content - NoSQL Database management, R Programming Basics, Data Visualization using R and Statistical Analysis with R. Activities: Demonstration on NoSQL databases and R Programs, Exercises using NoSQL database tools and R libraries, Problem Solving and Quiz	2021-22
32	Discipline Specific Elective II : Cryptography and Network Security	CA615B	BCA	<b>Employability :</b> Content - Security services and mechanisms, Network Security, Virtual private network and dealing with viruses. Activities: Discover how networks work, Network Scavenger Hunt, identifying protocols throughout the day, find out what malware is there in device.	2021-22
33	Discipline Specific Elective II : Internet of Things	CA615C	BCA	<b>Employability :</b> Content - Data Analytics with IOT Activities - Working with streaming data and analytical methods	2021-22
34	Practical IX - Mobile Application Development and PHP	PCA607	BCA	<b>Employability:</b> Content - Mobile Applications with various domains, Cookies, Session, Filters, Form Handling & Validation, File Handling, File Uploading, Emails, MySQL database with PHP. Activities - Exercise to create Mobile Apps and Dynamic Web Pages, Problem Solving, Observation, Demonstrations, Applications to real life situations.	2021-22

35	Project Work	PCA608J	BCA	<b>Employability:</b> Content - Developing the Projects with different domains Activities - Exercise to create Dynamic Appliactions(Website, APP), Demonstrations of Applications, Applications to real life situations.	2021-22
36	Non Major Elective - II: Multimedia	NCA604	BCA	<b>Employability :</b> Content - Editing with Images, Sounds, Videos and Texts, Making Animations Activities - Demonstration on working with images, audio, video and text contents	2021-22

# MCA

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Enterprise Applications with JAVA	MCA160T	MCA	<b>Employability:</b> Content: 100% Activities: Application development using Swing components and Struts with JDBC, Creating Enterprise Applications using MVC pattern in JSP	2017-18
2	Pure Practical : Open Source Database Management System	MCA164I	MCA	<b>Employability:</b> Content: 100% Activities: Constructing Entity Relationship diagram, PL/SQL block and handling Cursors and Triggers for the specified problems, Problem solving using sub queries and Aggregate functions, String functions, Math functions, etc.,	2020-21
3	Enterprise Applications with .Net	MCA260T	MCA	<b>Employability:</b> Content: 100% Activities: Problem solving exercises, Creating Web & Windows Application	2017-18
4	Design and Analysis of Algorithms	MCA262T	MCA	<b>: Employability :</b> Dynamic Programming, NP-Hard and NP-Complete Problems,	2017-18
5	Practical : .Net	MCA265P	MCA	<b>Employability:</b> Content: 100% Activities: Problem solving exercises, Creating Web & Windows Application	2017-18

6	Python Programming	MCA360T	MCA	<b>Employability:</b> Content: 100% Activities: Design and implement a program to solve a real world problem, handle exceptions and files, Make database connectivity	2019-20
7	Open Source Frameworks	MCA362T	MCA	<b>Employability:</b> Content: 100% Activities: Creating Applications, Problem Solving Exercises	2019-20
8	Software Project I	MCA366J	MCA	<b>Employability:</b> Content: 100% Activities: Internship	2019-20
9	Software Project II	MCA462J	MCA	<b>Employability:</b> Content: 100% Activities: Internship	2018-19

## BA English

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Basic communication	EN112T	BA English	<b>Employability :</b> Content : Complementing ,Congratulating, Related dialogues, Universe roads,Traffic signalsActivities - inacting known dialogue in pair, and situational dialogue practice	2021-22
2	Public communication	EN113T	BA English	<b>Employability</b> Content :Self-introduction, Narration, Description, Public speaking activities Activities: self - intorduction to the class mates, demo welcome speech, proposing demo vote of thanks for the meeting, Describing the village with PPT.	2021-22
3	Business communication	EN114T	BA English	<b>Employability :</b> Content :Facing an interview, Telephone manners, Making presentation and narrating, Group discussion Activities: conducting a Mock interview, Power Point presentation with a given topic and extempore speech with a given topic	2021-22
4	Literature and Film	EN521B	BA English	<b>Employability</b> Content:Making film, Translating literary works into Film and Making Literary and cinematic Interpretations Activities: Short film creation, literature based animation making, interpreting the	2021-22

				symbolism in movie making	
5	Literary Criticism	EN611	BA English	<b>Employability</b> Content : Learn to Judge, Analysis and Interpretation Activities: Ask students to interpret a piece of literature as well as to give their critical view. make students to know the various schools of ideas in Criticism.	2021-22
6	Written Communication		BA English	<b>Employability:</b> Content : Note taking, Reporting Writing Activity: Content writing, Journalism	2021-22
7	ELT	EN612	BA English	<b>Employability :</b> Content :Learning language, Innovating new methods in teaching and Honing LSRW skills Activities: theory based games, language lab and apps to develop fluency in English, accuracy in language, language trainer, proof reader	2021-22
8	Translation: Theory and Practices	EN614	BA English	<b>Employability :</b> Content : Translating the text and Translating any Regional language into English Activities: ask students to translate the given passage, applying the techniques of translation, Assignments, and seminars	2021-22

## MA English

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Gender and Mass Media	EN822B	MA English	<b>Employability :</b> Content: Various forms of mass media, Influence of media in society, Feminist film criticism and Thematic and semiotic Activities: introction to the various forms of mass media, to know the inflence of media, to understand the problems of stereotypes criticism also to know the importance of feminist criticism	2021-22
2	Modern English Grammar	EN921B	MA English	<b>Employability :</b> Content :Grammar in examinations and test. Activities: Grammar exercises, quiz, and test.	2021-22
3	English for Competitive Examinations	EN921C	MA English	<b>Employability :</b> Content:Teaching and research aptitude,Reasoning, Information and communication technology Activities: Content :Grammar in examinations and test. Activities: Grammar exercises, quiz, and test.	2021-22
4	Content Writing	EN1025A	MA English	<b>Employability</b> Content : Note taking, Reporting Writing Activity: Content writing, Journalism	2021-22
5	Advanced Academic Writing	EN1025B	MA English	<b>Employability</b> Content: Description, Letters, Reference skills Activities: Content writing, Journalism	2021-22



## B.Com (CA)

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Part III: MC- Financial Accounting – I	CC106	B.Com (CA)	<b>Employability</b> Content: Ledger, Final Accounts Activities: Preparing Journal, Assignments, Quiz, Hands-on- Experience in preparing ledger, trading account, profit & loss account, and balance sheet	2021-22
2	MC- Modern Banking	CC107	B.Com (CA)	<b>Employability</b> Contents: History and types of banks, Banker and customer relationship	2021-22
3	Allied: Office Automation	CC108	B.Com (CA)	<b>Employability</b> : Content - Working with Word, Spreadsheet, Powerpoint Activities: Demonstration on handling MS Office tools via Word, Spreadsheet, Powerpoint.	2021-22

4	Practical –I Office Automation	PCC103	B.Com (CA)	<b>Employability:</b> Content - Working with Word, Spreadsheet, Powerpoint Activities: Hands on training in a creating a letter document, Working with Excel formuale and creating presentation with available templates and options.	2021-22
5	Part III: MC- Financial Accounting – II	CC206	B.Com (CA)	<b>Employability:</b> Contents: Admission of a partner, Retirement of partner, Dissolution of Partnership firm, Amalgamation of firms – Sale to a company. Activities: Problem Solving, Maintenance of Accounts, Hands- on - Training to solve Typical Problems	2021-22
6	Allied: Internet Concepts and Web Design	CC208	B.Com (CA)	<b>Employability :</b> Content - Web Page Creation, Layout webpages CSS & Javascript. Activities - Exercise to create a webpage using html Elements, Exercises to improve programming skills.	2021-22
7	Practical –II: Internet Concepts and Web Design	PCC202	B.Com (CA)	<b>Employability :</b> Content - Web Page Creation, Layout webpages CSS & Javascript. Activities - Exercise to create a webpage using html Elements, Exercises to improve programming skills.	2021-22

8	Part III: MC- Mercantile Law	CC310	B.Com (CA)	<b>Employability:</b> Contents: Contract, Offerr, Agreement, Documents of title of goods Activities: Preparation of Contract, Preparing of lading and other documents Assignments, Quiz, Group Discussions	2021-22
9	MC- Corporate Accounting – I	CC311	B.Com (CA)	<b>Employability</b> Contents: Issue of Shares, Issue of Debentures, Profits Prior to Incorporation, Final Accounts of Companies	2021-22
10	MC- Fundamentals of Cost Accounting	CC312	B.Com (CA)	<b>Employability :</b> Contents: Techniques of Costing - Methods of Remuneration -Primary and Secondary Distribution of overheads Activities: Assignment, Prepartion of Tender, Visiting Stores and learning Stock issues	2021-22
11	Allied: Programming with C	CC313	B.Com (CA)	<b>Employability &amp; Skill Development</b> <b>Employability:</b> Content - Introduction, Arrays and functions, Pointers Activity: Exercises to improve programming skills , Teaching arrays and their implementation <b>Skill Development :</b> Content - Storage Classes, Structures, Union, File Management Activity: Exercises on storage classes ,	2021-22

				demonstration about file management, working with Structure and union in C.	
12	Practical -III: Programming with C	PCC302	B.Com (CA)	<b>Employability:</b> Content - Working with Arrays, Functions, Pointers, Control Structures, Files Activity: Teaching array implemetations, Hands on training on pointers and control structures, demonstration on File management	2021-22
13	MC- Corporate Accounting – II	CC411	B.Com (CA)	<b>Employability</b> Contents: Goodwill, Bank Accounts	2021-22
14	MC- Costing Methods and Techniques	CC412	B.Com (CA)	<b>Employability</b> Contents: Operating Costing, Job Costing, Process Costing,Preparation of reconciliation statement	2021-22
15	Allied: Relational Database Management System	CC414	B.Com (CA)	<b>Employability:</b> Content - Basic Concepts, Data Model , SQL Query Language Activity: Exercises to improve SQL query skills , Creating databases using DDL Statements, Assignment and Discussions on data models.	2021-22

16	Practical -IV Relational Database Management System	PCC403	B.Com (CA)	<b>Employability:</b> Content - DDL, DML, TCL queries, join operations, aggregate functions. Activity: Demonstration on DDL,DML TCL queries, Hands-On Training on join operations.	2021-22
17	Allied: Business Statistics	AM409B	B.Com (CA)	<b>Employability</b> Content:Correlation, Regression and Time Series Activities: Training on Collecting Data, using any Statistical Tools Studied, Interpreting and Bringing the Results	2021-22
18	Part III: Computer Organization	CC515	B.Com (CA)	<b>Employability :</b> Content - Basic terminology of computer,various types of memory and processor Activities - Assembling the computer, Number Conversion	2021-22
19	MC- Web Programming Using PHP	CC516	B.Com (CA)	<b>Employability:</b> Content - Control Structures, Arrays, Built-in Functions, Form Handling, Cookies, Session, Filters, MySQL Database with PHP Activities: Exercise to create dynamic web pages, Problem Solving, Demonstrations and Quiz.	2021-22

20	MC- Practical -V: Web Programming Using PHP	PCC503	B.Com (CA)	<p><b>Employability</b> Content: <b>Employability:</b> Control Structures, Arrays, Built-in Functions, Cookies, Session, Filters, Form Handling &amp; Validation, File Handling, File Uploading, Emails, MySQL database with PHP. Activities: Exercise to create Dynamic Web Pages, Problem Solving, Observation, Demonstrations, Applications to real life situations.</p>	2021-22
21	MC- Management Accounting	CC512	B.Com (CA)	<p><b>Employability:</b> (100%) Contents: Ration Analysis, Financial Statement Analysis, Budget Preparation, Activities: Assessment of financial performance of a company with published data under Ration Analysis and financial statement trend percentage method, Assignment, Visiting a finance a company</p>	2021-22
22	Main Elective: I ME: 1.1 Income Tax Law and Practice - I	CC513A	B.Com (CA)	<p><b>Employability</b> Content: Computation of taxable income from salary and retirement salary</p>	2021-22
23	ME: 1.2 E-Commerce	CC513B	B.Com (CA)	<p><b>Employability:</b> Contents: E.Commerce, E-Banking, Electronic Payment Technology-Smart Cards Activities: Hands-on-training, Seminar, Assignment on Online purchase</p>	2021-22

24	ME: 1.3 Auditing	CC513C	B.Com (CA)	<b>Employability:</b> Contents: Internal control ,Vouching ,Company Audit - Auditors- Appointment-Removal-Remuneration - position-Rights and powers of auditor- Auditor's report-Duties-and liabilities Activities: Visit to Audit Firms - Filing of Tax Returns- Report Preparation from Published Sources	2021-22
25	Subject Skill: I SS: Computerized Accounting - I	CC514	B.Com (CA)	<b>Employability</b> Contents: Tally fundamentals, Creation of Companies, Group Creation, Basic of Accounts -GST Taxes and Invoices,Setting up GST at inventory level, Accounting Vouchers and Inventory Vouchers.	2021-22
26	Part III MC- Human Resource Management	CC612	B.Com (CA)	<b>Employability:</b> Contents: HR Planning, Selection Process, Employee appraisal- concept- objectives- process. Activities: Assignments, Quiz, Group Discussions, Mock Interview, Hands on Training with HR Managers	2021-22
27	MC- Management Information System	CC616	B.Com (CA)	<b>Employability :</b> Content - lanuching e-commerce, selling and retailing products with the use of technologies Activities - Creating e-commerce account, create sample sales and managerial functions	2021-22

28	MC- Financial Management	CC613	B.Com (CA)	<b>Employability:</b> Contents: Profit Maximization vs Wealth Maximization, Sources of Capital – Long term, Medium, Short-term-Classification or Kinds of Working Capital, Forecast/Estimate of Working Capital Requirements – Methods of Capital Budgeting - Computing Cost of Capital- the irrelevance concept of dividend or the theory of irrelevance Activities: Comparing Dividend Rate of Different Companies, Quiz, Money Pyramid.	2021-22
29	Main Elective: II ME: 2.1 Income Tax Law and Practice - II	CC614A	B.Com (CA)	<b>Employability</b> Contents: Assessment of Individuals, Types of Assessment, Set off and carry forward of losses	2021-22
30	ME: 2.2 Investment Management	CC614B	B.Com (CA)	<b>Employability</b> Contents: Investment, Fundamental Analysis, Efficient Market Hypothesis.	2021-22
31	ME: 2.3 Company Law	CC614C	B.Com (CA)	<b>Employability:</b> Contents: Incorporation of Companies - Public Documents - Share Capital Activities: Updation through latest amendments - Reading Dailies like "Economic Times"	2021-22



## B.Sc Psychology

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Abnormal Psychology-I	SY417	B.Sc Psychology	<b>Employability:</b> Content: 50% Activities: Symptoms as per DSM and ICD	2021-22
2	Summer Internship	SY418	B.Sc Psychology	<b>Employability :</b> Content: 100% Activities: Learn to maintain professional relationship, applying theoretical knowledge in the practical exposure and report writing (Schools, Hospitals, Rehabilitation, Counselling centres)	2021-22
3	Abnormal Psychology-II	SY501	B.Sc Psychology	<b>Employability:</b> Content: 50% Activities: Symptoms as per DSM and ICD	2021-22
4	Forensic Psychology	SY504B	B.Sc Psychology	<b>Employability:</b> Content: 100% Activities: Assignments, Seminars, Group discussion, Case study (Law, Confession and Violence profile)	2021-22
5	Behaviour Modification	SY504C	B.Sc Psychology	<b>Employability:</b> Content: 50% Activities: strategies used in clinical settings	2021-22

6	Health Psychology	SY601	B.Sc Psychology	<b>Employability:</b> Content: 50% Activities: theoretical models for changing unhealthy habits, stress and coping	2021-22
7	Sports Psychology	SY604A	B.Sc Psychology	<b>Employability:</b> Content: 100% Activities: Assignments, Seminars, Group discussion, Assessments.	2021-22
8	HRM	SY604B	B.Sc Psychology	<b>Employability:</b> Content: 100% Activities: Assignments, Seminars, Group discussion, Demo- Planning, Recruiting and Appraisal of employee.	2021-22

# M.Sc Counselling Psychology

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Behaviour Modification	MSY334A	M.Sc Counselling Psychology	<b>Employability:</b> Content: 50% Activities: strategies used in clinical settings	2021-22
2	Training and Development	MSY334B	M.Sc Counselling Psychology	<b>Employability:</b> Content: 50% Activities: Interpersonal training and Evaluation tools	2021-22

# B.Sc Microbiology

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Fundamentals of Microbiology	MB103	B.Sc Microbiology	<b>Employability</b> Contents: History and Fundamental knowledge on Microbiology Activities: Test on Contribution of Scientists, Assignment on Prokaryotes and Eukaryotes & MCQs on Bacterial organelles and Sterilization.	2021-22
2	Microbial Diversity and Classification	MB104	B.Sc Microbiology	<b>Employability</b> Contents: Ultrastructure, Classification and Economic importance of Microorganisms Activities: Test on Kingdom classification of microorganisms, Assignment on Economic importance of microorganisms & MCQs on Molecular identification techniques.	2021-22
3	Microbial Physiology and Metabolism	MB203	B.Sc Microbiology	<b>Employability</b> Contents: Nutrient transport, Growth, Metabolism and Photosynthesis in microorganisms. Activities: Test on Transport of nutrients, Assignment on Microbial growth & MCQs on photosynthesis.	2021-22

4	Bioinstrumentation	MB204	B.Sc Microbiology	<b>Employability</b> Contents: Principles and Applications of various Instruments used in Microbiology Laboratory. Activities: Test on Microbial instruments, Assignment on Electrophoresis techniques & MCQs on Chromatography	2021-22
5	Immunology	MB303	B.Sc Microbiology	Activities: Test on Immunity, Assignment on Antigens and Antibodies & MCQs on Hypersensitivity reactions.	2021-22
6	Mushroom Technology	MB304	B.Sc Microbiology	<b>Employability</b> Contents: Cultivation, Disease control, Nutritional value and Medicinal value of Mushrooms. Activities: Test on Mushroom cultivation techniques, Assignment on Mushroom structure & MCQs on Mushroom diseases.	2021-22
7	Bioinoculant Technology	MB403	B.Sc Microbiology	<b>Employability</b> Contents: Production, Formulation, Method of application and Quality control of Bioinoculants. Activities: Test on Biofertilizers, Assignment on Biocontrol agents & MCQs on Biopesticides.	2021-22

8	Microbial Genetics	MB404	B.Sc Microbiology	<b>Employability</b> Contents: Basic principles of Microbial genetics, Cloning vector and Gene transfer mechanism. Activities: Test on Chromosomes, Assignment on Gene transfer mechanism & MCQs on Mutation.	2021-22
9	Molecular Biology and Genetic Engineering	MB501	B.Sc Microbiology	<b>Employability</b> Contents: Information on DNA Replication, Transcription, Translation, Mutation, DNA Repair mechanisms and various applications of Genetic Engineering. Activities: Test on DNA Replication, Assignment on Translation and Transcription & MCQs DNA Repair mechanism.	2021-22
10	Virology	MB503	B.Sc Microbiology	<b>Employability</b> Contents: Structure, Classification, Replication, Pathogenicity, Clinical Syndrome, Laboratory diagnosis, Treatment and Preventive measures for Viruses. Activities: Test on Cultivation of Viruses, Assignment on DNA Virus & MCQs on RNA Virus.	2021-22
11	Non – Major Elective – I: Applied Microbiology	NMB501	B.Sc Microbiology	<b>Employability</b> Contents: Applied Microbiology will familiarize the students from various Arts and Science Departments with fundamental knowledge on microbiology and its applications. Activities: Test on Basic Microbiology concepts, Assignment on Bacterial structure & MCQs on Sterilization techniques.	2021-22

12	Microbial Biotechnology	MB601	B.Sc Microbiology	<b>Employability</b> Contents: Biotechnology and their applications in Genetic engineering. Activities: Test on Enzyme immobilization, Assignment IPR & MCQs on Recombinant DNA Technology.	2021-22
13	Environmental Microbiology	MB602	B.Sc Microbiology	<b>Employability</b> Contents: Microorganisms in Environment, Biogeochemical cycles and Wastewater treatment technologies Activities: Test, Assignment & MCQs.	2021-22
14	Vermitechnology	MB603	B.Sc Microbiology	<b>Employability</b> Contents: Earthworms in Vermicomposting, Organic farming and Solid waste reclamation. Activities: Test, Assignment & MCQs."	2021-22
15	Non – Major Elective – II: Microbial Disease and Health Care	NMB601	B.Sc Microbiology	<b>Employability</b> Contents: Clinical conditions and preventive measures for microbial diseases. Activities: Test, Assignment & MCQs.	2021-22

# M.Sc Microbiology

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Molecular Microbiology	MB 704	M Sc Microbiology	<b>Employability</b> Contents: Information on DNA Replication, Transcription, Translation, Mutation, DNA Repair mechanisms, Gene transfer mechanism, Molecular techniques and various applications of Genetic Engineering. Activities: Seminar, Quiz, Oral Test	2021-22
2	Microbial Instrumentation	MB 705A	M Sc Microbiology	<b>Employability</b> Contents: Principles and Applications of various Instruments used in Microbiology Laboratory Activities: Seminar, Quiz, Oral Test	2021-22
3	Biostatistics	MB 705B	M Sc Microbiology	<b>Employability</b>	2021-22



4	Phycology and Mycology	MB 705C	M Sc Microbiology	<b>Employability</b> Contents: Characteristics, Classification and Applications of Algae and Fungi. Activities: Seminar, Quiz, Oral Test	2021-22
5	Pharmaceutical Microbiology	MB 804A	M Sc Microbiology	<b>Employability</b> Contents: Concepts of manufacture Biopharmaceutical products in today's regulatory environment. Activities: Hands-on-Training, Practical Exam	2021-22
6	Bioinformatics	MB 804B	M Sc Microbiology	<b>Employability</b> Contents: Search engines and various software tools involved in Bioinformatics and Chemoinformatics. Activities: Hands-on-Training, Practical Exam	2021-22
7	Public Health Microbiology	MB 804C	M Sc Microbiology	<b>Employability</b> Contents: Concepts of manufacture Biopharmaceutical products in today's regulatory environment. Activities : Hands-on-Training, Practical Exam	2021-22
8	Internship	PBCD206J	M Sc Microbiology	<b>Employability</b> Contents: Instruments Handling and Other techniques Activities: Hands-on-Training, Report Submission, Review	2021-22
9	Microbial Remediation	MB 905A	M Sc Microbiology	<b>Employability</b> Contents: Environmental pollution; Toxic pollutants and Bioremediation using microorganisms. Activities: Seminar, Quiz, Oral Test	2021-22

10	Food Microbiology	MB 1001	M Sc Microbiology	<b>Employability</b> Contents: Role of microorganisms in many food, beverage and various industries both in production and spoilage processes. Activities: Seminar, MCQ, Oral Test	2021-22
11	Industrial Microbiology	MB 1002	M Sc Microbiology	<b>Employability</b> Contents: Use of microorganisms for the production of Antibiotics, Vaccines, Organic acids, Organic solvents, Amino acids, Vitamins and Industrial enzymes. Activities: Seminar, MCQ, Oral Test	2021-22
12	Microbial Biotechnology	MB 1003A	M Sc Microbiology	<b>Employability</b> Contents: Biotechnology and their applications in Genetic engineering. Activities: Seminar, MCQ, Oral Test	2021-22
13	Microalgal Technology	MB 1003B	M Sc Microbiology	<b>Employability</b> Contents: Cultivation of Microalgae and its various applications Activities: Seminar, MCQ, Oral Test	2021-22
14	Probiotic Microbiology	MB 1003C	M Sc Microbiology	<b>Employability</b> Contents: Develop the Entrepreneurial Skill production and assessment of probiotic microbes. Activities: Seminar, MCQ, Oral Test	2021-22
15	Project/Dissertation with Viva-Voce	MB 1004J	M Sc Microbiology	<b>Employability</b> Contents: Introduction, Review, Results, Discussion and References Activities: Project Review, Viva	2021-22

# BA History

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	History of India Up To 712 A.D.	HT101	BA History	<b>Employability</b> Contents: Enable the students to learn the political, social, economic and religious condition of India Activities: Test	2019-20
2	History of Tamil Nadu Up To 1336 A.D.	HT102	BA History	<b>Employability</b> Contents: Understand the political, social and economic developments of Tamil Nadu. Activities: Test	2019-20
3	History of India (712-1526 A.D.)	HT201	BA History	<b>Employability</b> Contents: • It facilitates the understanding of the Delhi Sultanate's society, economy and culture. Activities: Test	2019-20
4	History of Tamil Nadu (1336-1947 A.D.)	HT202	BA History	<b>Employability</b> Contents: To understand the impact of British administration and the role of Tamil Activities: Test	2019-20

5	History of India (1526-1707 A.D.)	HT301	BA History	<b>Employability</b> Contents: understand the contributions of the Imperial Mughals Activities: Test	2019-20
6	History of India (1707-1857 A.D.)	HT302	BA History	<b>Employability</b> Contents: understand the establishment and consolidation of the British Rule in India. Activities: Test	2019-20
7	Principles of Public Administration	AH308	BA History	<b>Employability</b> Contents: understand the theories and key factors governing public administration. Activities: Test.	2019-20
8	History of India (1858-1947 A.D.)	HT401	BA History	<b>Employability</b> Contents: significance of Queen's Proclamation and the policy of the British Government on Indian Administration. Activities: Test	2019-20
9	Contemporary History of India (1947-2014)	HT402	BA History	<b>Employability</b> Contents: enables the students on current affairs as well as the challenges of successive governments to facilitate their preparation for competitive examination. Activities: Test	2019-20
10	History Of Europe( 1453 - 1789 A.D.)	HT501	BA History	<b>Employability</b> Contents: Realize the significance of Geographical Discoveries, Renaissance and Reformations in Christianity. Activities: Test	2019-20

11	History of China and Japan (1911-1990 A.D.)	HT502	BA History	<b>Employability</b> Contents: To know the revolutionary changes in China and the imperial Japan's global ambitions and annexations. Activities: Test	2019-20
12	Historiography	HT504	BA History	<b>Employability</b> Contents: The issues involving research methodology that includes selection of topic, collection of data, thesis writing and its arrangement with foot notes and bibliography. Activities: Test	2019-20
13	Makers of Modern India	HT505A	BA History	<b>Employability</b> Contents: Social and religious thinkers and their thoughts. Activities: Test	2019-20
14	History of USA (1865-1990 A.D.)	HT602	BA History	<b>Employability</b> Contents: The growth of U.S. economy and the emergence of U.S.A. as a global power. Activities: Test	2019-20

# PGDMLT

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Haematology & Blood Banking	BCD110	PGDMLT	<b>Employability</b> Contents: Components of blood, Haemogram, Coagulation system, Blood donor selection and screening and Blood Cell Disorders Activities: Demonstration, Lecture Method, Seminar, Interactive Presentation and Assignments	2021-22
2	Clinical Biochemistry	BCD112	PGDMLT	<b>Employability</b> Contents: RFT, LFT, Diseases related to carbohydrates, proteins, Gastric and pancreatic function tests. Activities: Demonstration, Group discussion, Lecture Method, Seminar, Interactive Presentation and Assignments.	2021-22
3	Advanced Molecular Laboratory Technology	BCD209	PGDMLT	<b>Employability</b> Contents: Nucleic acid Blotting Techniques, PCR, DNA sequencing, Hybridization and Radio isotopic techniques. Activities: Group discussion, Lecture Method, Seminar, Interactive Presentation and Assignments.	2021-22

4	Human Pathogens & Body Fluid Analysis	BCD210	PGDMLT	<b>Employability</b> Contents: Body fluid compartments, Formation and function of Various body fluids and Bacteriology, Virology, Mycology. Activities: Lecture Method, Seminar, Group discussions, Interactive Presentation and Assignments.	2021-22
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# PGDHRM

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Industrial Relations And Employee Welfare	MSDH124	PGDHRM	<b>Employability:</b> Contents: Introduction of Industrial Relations, Trade Union, Employee Welfare Measures Employee Health and Safety, Labour Management	2021-22



# PGDIEM

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Basics of Export and Import	MSDI122	PGDIEM	<b>Employability:</b> Contents: Introduction Procedure, Export & Exporters, Benefits Import & Foreign Trade Activities: Lecture Method, Group discussion, Interactive Presentation, Seminars and Assignments	2021-2022
2	Export and Import Management	MSDI223	PGDIEM	<b>Employability:</b> Contents: Overview of export and import International trade Documentation Foreign trade policy Process Activities: Lecture Method, Group discussion, Interactive Presentation, Seminars and Assignments	2021-2022

# PGDLM

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Supply Chain Management	MSDL121 P	PGDLM	<b>Employability:</b> Contents: Introduction, Strategic Sourcing Supply Chain Network Planning Demand, Inventory and Supply Activities: Lecture Method, Group discussion, Assignments	2021-2022
2	Transportation and Distribution Management	MSDL122	PGDLM	<b>Employability:</b> Contents: Distribution Planning Transportation International Transportation Information Technology Activities: Lecture Method, Group discussion, Assignments	2021-2022
3	Logistics Management	MSDL124	PGDLM	<b>Employability:</b> Contents: Introduction Distribution Channels and Outsourcing Logistics Transportation and Packaging Performance Measurement and Costs Current Trends	2021-2022
4	Supply Chain Inventory Management	MSDL222	PGDLM	<b>Employability:</b> Contents: Introduction to Inventory Management Inventory Models Inventory Management Strategies Inventory Optimization Latest Trends In Inventory Management Systems	2021-2022

# PGDCS

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Data Communication and Networking	CADC102	PGDCS	<b>Employability:</b> Content:100% Activities: Paper work, MCQ	2021 - 2022
2	Vulnerability Analysis, Penetration Testing, and Incident Handling	CADC103	PGDCS	<b>Employability:</b> Content:100% Activities: Paper work, MCQ	2021 - 2022
3	Internship	CADC206J	PGDCS	<b>Employability:</b> Content: 100% Activities: Internship	2021 - 2022

# PGDDS

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Introduction to Data warehouse and Data Mining	CADD103	PGDDS	<b>Employability:</b> Content: 100% Activities: Problem analysis, Quiz, Apply the KDD process for a specific problem	2021-22
2	Introduction to Data Analytics	CADD201	PGDDS	<b>Employability:</b> Content: 100% Activities: Problem solving, Quiz, Coding, Design programs performing data analytics	2021-22
3	Technologies for Data Science	CADD204	PGDDS	<b>Employability:</b> Content: 100% Activities: Problem solving using Hive, PIG, SQOOP	2021-22
4	Internship	CADD206J	PGDDS	<b>Employability:</b> Content: 100% Activities: Internship	2021-22

## MSW(HRM)

S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
1	Introduction to Social Work Profession	MHR101T	MSW(HRM)	<p><b>Employability</b> Outline the theories and models in social work, with the goal of improving the skills needed in students to become successful professional social workers in different settings Activities: Lecture Method, Group discussion, Interactive Presentation, Seminars and Assignments</p>	2022-23
2	Social Work Practice with Individuals	MHR102T	MSW(HRM)	<p><b>Employability</b> prepare students to understand the roles and functions of a case worker, by exposing them to different settings and develop the skill of report writing, recording, and presenting a case. Activities: Lecture Method, Group discussion, Interactive Presentation, Seminars and Assignments</p>	2022-23

3	Social Work Practice with Groups	MHR103T	MSW(HRM)	<p><b>Employability</b> Understands the concept of programmes planning and recording in social group work, with the goal of improving the skills needed in students to become successful group workers in different settings Activities: Assignments, Group discussion, Interactive presentation and Lecture method</p>	2022-23
4	Social Work practice with Communities	MHR104T	MSW(HRM)	<p><b>Employability</b> Outline the concept of social action and community organization for sustainable development, with the goal of improving the skills needed in students to become successful community organizers Activities: Assignments, Group discussion, Interactive presentation and Lecture method</p>	2022-23
5	Human Psychology	MHR1051	MSW(HRM)	<p><b>Employability</b> Understands the psychological processes in human behavior, with the goal of improving the skills of using psychological testing tools in dealing with individuals. Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2022-23
6	Labour Legislation and Labour Welfare	MHR201T	MSW(HRM)	<p><b>Employability</b> Learns the provisions of some of the important industrial laws. Improves the employability Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2022-23

7	Strategic Human Resource Management	MHR202T	MSW(HRM)	<p><b>Employability</b> Acquires knowledge on the concept of human resource planning, training and development in human resource management, with the goal of improving the skills needed in students to become successful human resource professionals in different settings Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2022-23
8	Social Work Research & Statistics	MHR203T	MSW(HRM)	<p><b>Employability</b> Acquires knowledge about the scientific attitude, principles, values and processes involved in social work research and develop the ability to research independently as a professional and outline the concept of research design, measurements and methods in social work research, with the goal of improving the skills of adopting the methodology and the application of statistics Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2022-23
9	Human Resource Analytics	MHR204T	MSW(HRM)	<p><b>Employability</b> Outline the methodologies in HR analytics and metrics, with the goal of improving the skills needed in students to become successful HR analyst. Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2022-23