



SACRED HEART COLLEGE (AUTONOMOUS)

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Ready for
Every Good Work

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

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

Skill Development

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: Statistics for Economics	E121	BA Economics	Skill Development: Contents: Regression and Curve fitting Activities: Constructing the functional relationship between the observed data set and parameter values.	2021-22
2	Elective:1.Managerial Economics	E547A	BA Economics	Skill Development Content: Cost analysis, revenue analysis, pricing strategies, capital budgeting Activities: Hands on experience on cost, revenue, pricing strategies and capital budgeting	2021-22

3	Core: Environmental Economics	E643	BA Economics	Skill Development: Content: Air Pollution, Water Pollution, Soil Erosion, Deforestation, Global Warming Activities: Theme Based Activities, Field Visit	2021-22
4	Subject Skill: Financial Economics	E646	BA Economics	Sill Development Content: Financial Sources, Short term-long term finance, Capital Market, SEBI, Capital Budgeting Activities: Analysing Financial Sources, Indian Capital Market, Investment Appraisal	2021-22
5	Non-Major Elective – II: Indian Economy: Basic Issues	NEC603	BA Economics	Skill Development Content : IES- I.A.S. TNPSC- UPSC ,Railways - Staff Selection - Banks , SET, NET, Tamilnadu Government and Centralgovernment jobs- Eligibilities and Process Activities: Solving various Question Papers, Quiz and Assignment.	2021-22

MA Economics

Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
Advanced Micro Economic Theory – I	E748	MA Economics	Skill Development: Contents: Demand, Marginal Utility and Production Concepts. Activities: Constructing the functional Relationship between Price and Demand for goods	2021-22
Elective-I Demography	E752A	MA Economics	Skill Development: Content: Population, Vital Statistics, NFH Surveys Activities: Hands on Experience in Collecting Census, Assignment,	2021-22
Business Communication Skills	E753S	MA Economics	Skill Development: Content: Process of Communication and for employment, Presentation skills, Writing Business	2021-22
Advanced Micro Economic Theory – II	E855	MA Economics	Skill Development: Contents: Pricing of goods and services in perfect and imperfect market Concepts.	

			<p>Activities:</p> <p>Constructing the functional Relationship between Price and Demand for goods and factors</p>	
Elective – II Economics of Urbanisaion	E859B	MA Economics	<p>Skill Development:</p> <p>Content: Urban Economics, Growth of Urbanization and Theories ,Urban Housing, Labour Market and Poverty, Problems of Urbanization, Urban Growth Strategies</p> <p>Activities: Can practice the urban economic growth, compare the trends in urban slums, realise the problem of 4rbanization, compare the national policies for urbanisation</p>	2021-22
Entrepreneurship Training Skills	E860S	MA Economics	<p>Skill Development:</p> <p>Content: Entrepreneurship, Development Programmes, Project Appraisal, Marketing, Finance, MSME, SSI.</p> <p>Activities: Hand on Experience in Entrepreneur Training,</p>	2021-22

			Business Plan Preparation, Finance Score Identification.	
Data Analysis and Interpretation	E945S	MA Economics	Skill Development: Contents: Data Creation, Data Handling Activities : Demonstration, Practicals, Record Writing, Hands-On Training to Create Data, Apply Statistical Tools and Analyse the Data.	2021-22
Core – III: Financial Institutions and Markets	E1041C	MA Economics	Skill Development: 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.	2021-22
Elective – II Security Analysis and Portfolio Management.	E1042B	MA Economics	Skill Development: Content: Concept of risk and return – investment avenues Activities: Constructing functional relationship between investment with the relation to risk and return.	2021-22

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	Skill Development Contents: Journal, Ledger, Trial Balance, Final Accounts with Adjustments and other related accounts of Sole trading Concern. Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22
2	Financial Accounting I	C216	B Com	Skill Development Contents: Depreciation Accounting, Single Entry System, Accounts of Non-Trading Concern, Departmental Accounts and Branch Accounts Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content	2021-22

3	Financial Accounting II	C325	B Com	<p>Skill Development 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</p>	2021-22
4	Principles of Marketing	C326	B Com	<p>Skill Development Contents: Marketing Concepts, Marketing Mix, Consumer Behaviour, Market Segmentation and Recent Trends in Marketing Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2021-22
5	Cost Accounting	C425	B Com	<p>Skill Development Contents: Basics of Cost Accounting, Material, Labour and Overheads Activities: Lecture Method, Problem Solving & demonstrations and Practical Exercises on the Course Content</p>	2021-22

6	Computer Fundamentals and E-Commerce	C545A	B Com	<p>Skill Development Contents: Introduction to Computers, Application Software, System Software, Spread Sheets, Internet and E-Commerce Fundamentals Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2021-22
7	Entrepreneurship	C545B	B Com	<p>Skill Development Contents: Introduction to Entrepreneurship, Institutional Support, Business Idea, Project Formulation, Project Report, Small Scale and Women Entrepreneurs Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2021-22
8	Management Accounting	C647	B Com	<p>Skill Development 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</p>	2021-22

9	Practical Auditing	C650A	B Com	<p>Skill Development 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</p>	2021-22
10	Computerized Accounting	C651A	B Com	<p>Skill Development Contents: Accounting Packages, Tally and its Operations Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2021-22
11	Modern Salesmanship	C651B	B Com	<p>Skill Development Contents: Concept of Salesmanship, Types of Salesmanship, Personal Selling Process, Theories of Selling, Recruitment and Training, Control and Evaluation Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	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	Skill Development: Content: 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 skill through continuous exercise.	2021-22
2	Strategic Human Resource Management	C723	M. Com	Skill Development: Content: Enhance their knowledge on Human Resource Outsourcing and recent issues in Human Resource Management. Discover the recent developments in the HRM, like Mentoring Programmes, E-HRM, Human Resource and Technology of Performance Appraisal Activities: Case Studies, Internship	2021-22
3	Consumer Behaviour	C724	M. Com	Skill Development : Content: 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	2021-22

				discussion consumer issues and problems. Awareness on Consumer forum	
4	Advanced Business Statistics	C725	M. Com	<p>Skill Development: Content: Develop the skills for scientific collection of data and determining the sample size for research. Awareness among students with regard to the various statistical tools and test of significance that are applied in social and business research.</p> <p>Activities: Experimenting the one way and two-way Analysis of Variance (ANOVA) for the applications of testing equality of population variance. Testing Hypotheses through Chi-Square. Problem solving.</p>	2021-22
5	Advanced Management Theory	C726A	M. Com	<p>Skill Development: Content: Student can able to develop the skill on cultural ethical environment at global 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
6	Security analysis and Portfolio Management	C727B	M. Com	<p>Skill Development : Content: 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</p>	2021-22

				Theories. Visiting Stock market Brokers office, invited talk	
7	Business Ethics	C728C	M. Com	<p>Skill Development: Content: Enhancing skill on Personal Ethics, Professional ethics, Business Ethics. Emerging challenges of HRM, Importance of Social responsibility of Business and Environmental Ethics</p> <p>Activities: Demonstrating the ethical value of various concern and to gain practical gain through industrial visit and internship</p>	2021-22
8	Accounting for Managerial Decision Making	C823	M. Com	<p>Skill Development: Content: 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 practical learning</p>	2021-22
9	Advanced Cost Accounting	C824	M. Com	<p>Skill Development: Content: Students have to gain knowledge cost allocation to joint products, operating cost, Memorandum reconciliation statement account and Standard cost vs. Budgetary control</p> <p>Activities: Problem solving, practical learning through internship</p>	2021-22
10	Research Methodology	C825	M. Com	<p>Skill Development: Content: Enhancing the students to develop their research skills on Review of Literature, formulation of Hypothesis, Processing of Data and Report writing</p>	2021-22

				Activities: Demonstrating the various research problems. To create an opportunities to do their Field based research project with appropriate research problem	
	Quantitative Technique for Business Decision	C826	M. Com	Skill development: Content: Knowledge on Transportation Problem by applying North West Corner, Least Cost and Vogel's Approximation methods, Activities: Evaluate the knowledge on various cost concepts involved in the manufacturing industries, by using the inventory control techniques and other methods	2021-22
11	Entrepreneurial Development	C827A	M. Com	Skill Development: Content: 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 entrepreneurs, visiting small scale industries and firms.	2021-22
12	Indirect Taxation	C827B	M. Com	Skill Development: Content: 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.	2021-22
13	E-Commerce and Computerized Accounting	C827C	M. Com	Skill Development: Content: gain practical knowledge on Computerized Accounting and Computerised Statements. Activities: Providingtheoretical as well as Practical knowledge on	2021-22

				computerised Accounting.	
14	Internship	C828J	M. Com	Skill Development: Content: 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 and to create job opportunities.	2021-22
15	Service Marketing	Self-study paper 1	M. Com	Skill Development: Content: Enhancing their knowledge on Advertising Message, Media selection and Customer Relationship Marketing	2021-22
16	Advanced Corporate Accounting	C927	M. Com	Skill Development: Content: 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	2021-22
17	Organizational Behaviour	C928	M. Com	Skill Development: Content: student can able to develop their skill on Biographical characteristics, Perception, values, Group behaviour and group decision making and Organizational Culture Activities: Exposure visit to industries, firms, MNC's and Field Project	2021-22

18	Project (Individual Students Field Project Work)	C931J	M. Com	Skill Development: Content: 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	2021-22
19	Income Tax and Tax Planning – I	C929	M. Com	Skill Development: Content: gaining knowledge on Income from Salaries, Income from House Property, Income from Business or Profession Activities: Problem solving and exploring their knowledge through regular exercise.	2021-22
20	Logistic and Supply Chain Management	C930A	M. Com	Skill Development: Content: skills on Logistics Strategy, Warehousing and Material Handling and Elements of Financial Supply Chain Management Activities: Field Visit, special lecture on LSCM	2021-22
21	Executive Skill Development	C930B	M. Com	Skill Development: Content: application of Johari Window, Interpersonal-Relationship, Team Work and Emotional Intelligence Activities: Role play, Group discussion and theoretical input	2021-22
22	Strategic Management	C930C	M. Com	Skill Development: Content: Theoretical aspect on Strategic Management Process, Industry analysis and competitive environment, SWOT Analysis, Merger and acquisition. Activities: Lecturing, Practical experience through Industrial visit	2021-22

				and case studies	
23	Business Process Management	Self-study paper 2	M. Com	Skill Development: Content: Student can able to understand the promotion of business and how it could be strengthen Activities: Lecturing and case studies.	2021-22
24	Advanced Financial Management	C1022	M. Com	Skill Development: Content: 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 Activities: Problem Solving, discussion on various companies financial statement	2021-22
25	Legal Aspects of Business	C1023	M. Com	Skill Development: Content: creating awareness and importance of Information Technology Act – 2000, Foreign Exchange Management Act-1999, Environment Protection Act – 1986, Consumer Protection Act – 1986 and Competition Act, 2002 Activities: Special lecture on IT, FEMA, Consumer protection Act and Competition Act.	2021-22
26	Income Tax and Tax Planning – II	C1024	M. Com	Skill Development: Content: 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. Activities: Problem solving, practical experience through internship and continuous exercise on various head.	2021-22

27	International Business	C1025	M. Com	<p>Skill Development: Content: 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
28	International Marketing	C1026 A	M. Com	<p>Skill Development: Content: learning Significant knowledge on International Marketing, International environment, International Market Entry Strategies, Challenges in Managing an international Distribution Strategy, and Pricing and Promotion for international Markets</p> <p>Activities: Providing theoretical input through regular lecturing and send them to other institution or agencies for practical knowledge through internship.</p>	2021-22
29	Banking and Financial Service	C1026 B	M. Com	<p>Skill Development: Content: To update the information on Banking functions, Merchant Banking, Leasing and factoring, Mutual funds and Venture Capital Funds</p> <p>Activities: Continuous lecturing and visiting to banks and agencies.</p>	2021-22

30	Project Management	C1026 C	M. Com	Skill Development: Content: Able to gain professional knowledge on project management, Project identification and formulation, Project planning and Scheduling , Project Appraisal, Project Execution and Administration Activities: Apart from lecturing, assigning minor project and to create model demo for the above learning's.	2021-22
31	Income Tax Planning	Certificate Course 1	M. Com	Skill Development: Content: Able to learn Basics of Income Tax, Income from Salaries and Tax Deducted at source and Advance Tax-Tax Planning Activities: Problem solving and assignment for tax deduction.	2021-22
32	Export and Import Management	Certificate Course 2	M. Com	Skill Development: Content: 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	Differential Calculus	M116	B Sc Mathematics	<p>Skill Development: Contents: Successive Differentiation, Rolle's and Mean value Theorems, Partial Differentiation, Curvature and Evolutes, Envelopes and Asymptotes. Activities: To make them understand the maxima and minima of the function, the consequences of mean value theorem for differentiable functions, to learn Euler's theorem of homogeneous function, finding the curvature and evolutes of the curve in Cartesian and Polar coordinates, finding the Envelopes and Asymptotes of the curve through Problem solving sessions, Class tests and Assignments.</p>	2021-22
2	Mechanics	M543	B Sc Mathematics	<p>Skill Development: Contents: Kinematics, Forces on a particle and a rigid body, Frictional Forces, Simple Harmonic Motions, Projectiles and Impact Activities: Knowing the fundamental concepts of</p>	2021-22

				<p>Kinematics, understanding of Forces on a rigid body, knowing frictional forces and their applications through problem solving techniques, Deveoping skills by learning about Rectilinear motion under varying forces, Simple Pendulum and Seconds Pendulum through problem solving techniques and Assignments</p>	
3	Mathematical Modeling with Difference and differential Equations	M545B	B Sc Mathematics	<p>Skill Development: Contents: Mathematically Modeling Discrete Processes , Continuous Models using Ordinary Differential Equations , Mathematical Models through Ordinary Differential Equations of Second Order . Activities: To make predictions of the behavior of a given physical system based on the analysis of its mathematical model, to recognise the power of mathematical modelling and analysis and be able to apply their understanding to their further studies, to relate dynamical problems with other concepts, to prepare models for real life situations</p>	2021-22

4	Graph Theory	M545C	B Sc Mathematics	<p>Skill Development: Contents: Trees and Matchings , Planarity and colourability Activities: To Relate concepts of trees and bipartite graphs , Preparing a model using four colour problem</p>	2021-22
5	Mathematics for Competitive Examinations I	NMA504	B Sc Mathematics	<p>Skill Development: Contents: Average, Problems on numbers. Ratio and proportion. Time and work, Time and distance. Simple interest and compound Interest. Permutations and combinations. Activities: To train students to approach competitive examinations with less anxiety and fear by solving problems on various topics</p>	2021-22
6	Linear Algebra	M643	B Sc Mathematics	<p>Skill development: Contents: To study the transformations, Matrices, Systems of Linear Equations, Determinants and Diagonalization in Vector Space. Activities: To impart deeper insight to the students on various concepts pf Matrix operations, linear transformations, vector spaces and innerproduct spaces</p>	2021-22

7	Resource Management Techniques	M646	B Sc Mathematics	<p>Skill Development: Contents: Linear Programming Problem, Transportation Problem Activities: Solving problems in Inventory Theory and Network Models</p>	2021-22
8	Mathematical Statistics	M647	B Sc Mathematics	<p>Skill development: Contents: Multiple and partial correlation, time series, Sampling, F- test and Chi-square test. Activities: Solving Problems in Correlation, time series and sampling techniques and small sample tests.</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	A2. Skill Enhancement Course I – Algebra	M749B	M Sc Maths	<p>Skill Development: Contents: Finite Group, Permutation groups and Isomorphism, Rings and Ideals. Activities: To develop broad, balanced knowledge and understanding of definitions, concepts, theorems and principles. To empower students to crack competitive examinations such as NET, SET and TRB.</p>	2021-22
2	Advanced Graph Theory	M850	M Sc Maths	<p>Skill Development: Contents: Graphs, Trees, Euler Graphs, Matching and Vertex Colouring. Activities: To understand the concept of graphs, trees, Euler graphs, Hamilton cycle, matching and colouring of graphs. To Prepare a model using four colour problem and five colour theorem.</p>	2021-22

3	Classical Dynamics	M851	M Sc Maths	<p>Skill Development: Contents: Mechanical Systems, Lagrange's Equations and Hamilton Jacobi Theory. Activities: To solve problems in mechanical systems under generalized coordinate, virtual work, energy and momentum. To explore the theory of mechanics by Lagrange, Hamilton and Jacobi's principle.</p>	2021-22
4	B1. Mathematical Models in Biology	M852A	M Sc Maths	<p>Skill Development: Contents: Microbial Population Models, Two-Species Population Models and Mathematical Models in Pharmacokinetics. Activities: To explore the potential of Mathematical Modelling and emphasizing its role in Biology and Medicine.</p>	2021-22
5	B2. Skill Enhancement Course II – Linear Algebra	M852B	M Sc Maths	<p>Skill Development: Contents: Linear Transformations and Matrices, Diagonalization and Linear Operator on Inner Product Spaces. Activities: To develop broad, balanced knowledge and understanding of definitions, concepts, theorems and principles. To empower students to crack competitive examinations such as</p>	2021-22

				NET, SET and TRB.	
6	B3. Numerical Analysis	M852C	M Sc Maths	<p>Skill Development: Contents: Transcendental and Polynomial Equations, Eigenvalue Problems, Interpolation, Differentiation and Integration. Activities : To know the basic principles of numerical methods and improve the problem solving skills in the algebraic equations and ordinary differential equations numerically.</p>	2021-22
7	Optimization Techniques	M955	M Sc Maths	<p>Skill Development: Contents: Advanced Topics in Linear Programming, Queuing Models, Inventory Models and Dynamic Programming. Activities: To improve the knowledge on problem solving in linear programming models, queuing models, inventory models and dynamic programming.</p>	2021-22
8	Fluid Dynamics	M956	M Sc Maths	<p>Skill Development: Contents: Kinematics of Fluids in Motion, Equations of Motion of a Fluid and Viscous Flows. Activities: To develop basic knowledge in kinematics of fluids in motion, equations of motion of a fluid and viscous flows.</p>	2021-22

9	C1. Nonlinear Dynamical Systems	M957A	M Sc Maths	<p>Skill Development: Contents: Plane Autonomous Systems, Periodic Solutions, Perturbation Methods and Stability. Activities: To apply phase plane analysis and stability techniques to problems in Science and technology.</p>	2021-22
10	C2. Skill Enhancement Course III – Real Analysis	M957B	M Sc Maths	<p>Skill Development: Contents: Real number system, Functions of a Single Variable, Riemann and Improper Integrals, Metric Spaces. Activities: Empowering students to crack competitive examinations such as NET, SET and TRB.</p>	2021-22
11	D2. Skill Enhancement Course IV – Complex Analysis	M1052B	M Sc Maths	<p>Skill Development: Contents: Analytic Functions, Conformal Mappings, Mobius Transformations and Calculus of Residues. Activities: Empowering students to crack competitive examinations such as NET, SET and TRB.</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	Waves and Oscillations	P213	B. Sc. Physics	<p>Skill development: Contents: Waves, Wave Motion, Stationary waves, Interference of sound waves, Harmonic Oscillations and Lissajous' figures, Vibrations. Activities: Illustrative discussions on SHO, Assignments on Interference of waves and its Demonstration, Students can solve different types of problems. They are also well equipped to tackle open ended problem</p>	2021-22
2	Physics Main Practicals – I	PP207	B. Sc. Physics	<p>Skill development: Content: Experiments in Fundamental Physics. Activities: Hands-on-training, Demonstration, Discussion, Record writing, Experimental learning, Interpretation of</p>	2021-22

				Graphs and Results.	
3	Electricity and Magnetism	P314	B. Sc. Physics	<p>Skill development: Contents: Electric field of continuous charge distributions- Experimental tests of Gauss's law and Coulomb's law- Calculating the potential from the field- Calculating the capacitance - Carey foster's bridge, theory, measurement of resistance and temperature coefficient of resistance of a coil Activities: Demonstrative interactions on determination of Hall Effect, Demonstrations on Applications of Electromagnetic waves, Problem solving on Gauss's law, Assignments on moving coil ballistic galvanometer, Langevin's theory of dia magnetism and para magnetism.</p>	2021-22
4	Physics Main Practicals – II	PP413	B. Sc. Physics	<p>Skill development: Contents: 100% (All Experiments in the syllabus) Activities: Investigation by demonstration, Hands on learning, Record Writing,</p>	2021-22

				Interpretation of concepts, Results and error analysis, Graphical presentation.	
5	Classical Mechanics and Statistical Physics	P541	B. Sc. Physics	Skill Development: Contents: 100 % Activities: Discussions on lagrangian formulation and Hamiltonian formulations and its applications, Problems in Rigid body dynamics, classical thermodynamics and quantum statistics.	2021-22
6	Semiconductor devices and their Applications	P542	B. Sc. Physics	Skill development: Contents: Efficiency of rectifiers to convert AC into DC - Analysis of Multistage stage RC coupled amplifier- Audio Power amplifiers - Classification - transformer coupled - class A power amplifier - Generation of sine waves using a Colpitts and Wien bridge oscillators - positive feedback amplifiers as an oscillator- Practical inverting OP-AMP, Non inverting OP-AMP - Activities: Demonstrations on Oscillators, E-	2021-22

				Assignment on types of Amplifiers, Seminars. E-Quiz	
7	Programming in C	P546A	B. Sc. Physics	<p>Skill development: Contents: Simple programs using arrays: Addition of two matrices - subtraction of two matrices – Multiplication of two matrices - ascending and descending order. Activities: Writing programs using ‘C’ coding, Hands-on experience in easy methods of carrying out numerical analysis using C language with applications to physical problems.</p>	2021-22
8	8085 Microprocessor and its Applications	P546B	B. Sc. Physics	<p>Skill development: Contents: Number System, Fundamentals of Microcomputer, Instruction set of 8085, Interfacing Memory to 8085, Interfacing I/O Devices and Programming. Activities: Writing assembly programs, interfacing of memory and I/O devices. Problem solving skills: Number System and Fundamentals of Microcomputer.</p>	2021-22

				Activities: Conversion of given numbers from one system to another system.	
9	Repair and Maintenance of Household Appliances	NPH504	B. Sc. Physics	Skill development: Contents: Principles and working of home appliances, Repairing and Maintenance of home appliances. Activities: Hands-on-training to test the continuity of electrical lines with Multimeter, Quiz on safety precautions, Brain storming investigations on basic concepts of home appliances, E-Assignments on electric iron box, ceiling fan and fluorescent lamp, Interactive session on assemble, dismantle, reassemble and installation of home appliances.	2021-22
10	Quantum Mechanics and Relativity	P639	B. Sc. Physics	Skill Development: Contents: 100% Activities: Virtual Interactive Illustrations of QM and relativistic Concepts.	2021-22

11	Physics Main Practicals – III (General experiments)	PP617	B. Sc. Physics	Skill development: Content: 100% Activities: Hands on training on different Physics concepts and theories.	2021-22
12	Physics Main Practicals – IV (Electronic experiments)	PP618	B. Sc. Physics	Skill development: Contents: Designing Half subtractor and Full subtractor, Designing R–S, J–K, and D–Flip Flops using NAND gates, Simplification of Boolean expression using Karnaugh map (NAND- NAND Logic), Studying the operation of Multiplexer and Demultiplexer, studying the performance of Single stage common emitter transistor amplifier, Designing and studying the operation of Oscillators, Designing amplifiers, Summer, Subtractor, Differentiator and Integrator using Op-amp, Writing and simple programs using Microprocessor 8085 etc. Doing these experiments with understanding may help the students to acquire laboratory skills	2021-22

				such as designing, identifying, locating and rectifying faults in electronic circuits. Activities: Hands on training on designing, fault finding, rectifying and analyzing the operation of electronic circuits, Seminars and Group discussions.	
13	Electrical circuits and Networks (Theory & Practical)	P640S	B. Sc. Physics	Skill development: Content: 100% content Activities: Discussion, Demonstration, Hands on training, animation, fault finding, testing	2021-22
14	Basic Instrumentation (Theory & Practical)	P641S	B. Sc. Physics	Skill development: Content: Analog Electrical Instruments, Digital Instruments, Optical instruments and Environmental Instruments Activity: Demonstrations, Seminars, Assignments and MCQs	2021-22
15	Physics in Everyday life	NPH604	B. Sc. Physics	Skill development: Contents: Physics principles and heavenly bodies Activities: Simple demonstrations to understand the application of physics principles to	2021-22

				real life situations, Quiz on Astrophysics, Brain Storming on solar systems, Interactive sessions on heavenly bodies, Assignments and Seminars on application of physics principles.	
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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	<p>Skill Development: Contents: Matrices and Complex numbers, Integral Transforms, Ordinary Differential equations, Tensor Analysis Activities: Problem solving, MCQ's, Assignment.</p>	2021-22
2	Classical Mechanics and Statistical Mechanics	P718	M.Sc Physics	<p>Skill Development: Contents: Lagrangian and Hamiltonian formulations , rigid body dynamics and its applications: Application to Kepler's planetary motion, oscillations and frequencies of free vibration - linear tri atomic molecule. Euler's equation of motion-torque free motion-Symmetric top –Precession and nutation. Thermodynamic properties of Bose Einstein gas-Liquid Helium-Fermi-Dirac distribution- Degeneracy-energy</p>	2021-22

				of Fermi gas - thermionic emission. Activities: Problem solving, exercises on thermodynamical problems.	
3	Quantum Mechanics-I	P719	M.Sc Physics	Skill Development: Contents: Activities: Virtual Interactive Illustrations of QM Concepts	2021-22
4	Electronic Devices and Applications	P720A	M.Sc Physics	Skill Development: Contents: Op-amp Applications, Wave generators, D/A and A/D converters, Sequential and Combinational Circuits. Activities: Solving complex circuits using various theorems, Analyzing input/output relations for various applications of Op-amp in analog circuits.	2021-22
5	Energy and Environmental Physics	P720B	M.Sc Physics	Skill Development: Contents: Energy and Thermodynamics, Fission power and environment , Fission power and environment, Renewable energy, Environmental Pollution Activities: Demonstration of concepts, seminar and Quiz on	2021-22

				Classification of fossil fuels, composition, physico- chemical characteristics and energy content of coal, petroleum, and natural gas, Solar energy, geothermal, wind energy - Principals of generation of hydroelectric power	
6	Astrophysics	P720C	M.Sc Physics	Skill Development: Contents: Galaxies and The Universe, Stellar Evolution, Binary and Variable Stars, Stellar Evolution, Binary and Variable Stars, Solar System, Astronomical Telescope Activities : Investigate the way light is affected when moving from one medium to another, Observing refraction factor through water	2021-22
7	Mathematical Physics-II	P820	M.Sc Physics	Skill Development: Contents: Matrices and Complex numbers, Integral Transforms, Ordinary Differential equations, Tensor Analysis Activities: Problem solving, MCQ's, Assignment.	2021-22

8	Electromagnetic Theory	P821	M.Sc Physics	<p>Skill Development: Contents: Electrostatics, magnetostatics, fields and radiation of localized sources, wave propagation and wave guide. Activities : Inerative discussion on electricfield and magnetic field.</p>	2021-22
9	Quantum Mechanics-II	P822	M.Sc Physics	<p>Skill Development: Contents: Activities: Problem solving on Variation Methods, Seminars on Partial Wave Analysis, Interactive Discussions on time evolution problems</p>	2021-22
10	Advanced Physics Practicals	PP809	M.Sc Physics	<p>Skill Development: Contents: Experiments in Mechanics and Thermal Physics, Experiments on Oscillations, Waves and in Mechanics Activities: Demonstration of concepts, Hands-on-learning, Record writing, Experimental learning, Interpretation of graphs, Result and Error Analysis</p>	2021-22

11	Electronic Experiments	PP810	M.Sc Physics	<p>Skill Development: Contents: Experiments in Analog and Digital Electronics Activities: Demonstration of concepts, Hands-on-training, Work sheet preparation, Interpretation of graphs and Error Analysis</p>	2021-22
12	1. Microprocessor 8085 and Microcontroller 8051	P823A	M.Sc Physics	<p>Skill Development: Contents: Instruction Set and Programming of 8085, Interfacing Memory and I/O devices, Instruction Set and Programming of 8051, Activities: Writing assembly language programs for performing various arithmetic and Logical operations.</p>	2021-22
13	2. Geophysics	P823B	M.Sc Physics	<p>Skill Development: Contents: solar system, earth's position in the solar system, oceanography and Hydrology, shape and size of the earth, classification of earth quakes. Activities : Inerative discussion on solar system and their geophysical observation and</p>	2021-22

				measurement	
14	3. Bio Physics	P823C	M.Sc Physics	Skill Development: Contents: Cell transportation and malignant tumor growth - Cell aging and death- Differentiation of cultured cells-Water and ion transport Activities : Group discussion , Assignment, Test .	2021-22
15	1. Ultrasonics and its Applications		M.Sc Physics	Skill Development: Contents: Fundamentals of Ultrasonic Waves and its sources, Ultrasonic instrumentation and General applications, Ultrasonic Studies for Molecular Interactions Activities: Group discussion, assignment, MCQ's	2021-22
16	2. Dielectric Spectroscopy		M.Sc Physics	Skill Development: Contents: Evolution of Broadband dielectric spectroscopy- Dielectric materials- Polarization, Instrumentation and data collection, Impedance Spectrum, Modulus Spectrum, Conductivity Studies Activities: Investigating by	2021-22

				Demonstration, Hands-on-learning, seminar, Quiz, Interpretation of concepts, Results and Error Analysis, web based learning	
17	3. Crystal growth techniques		M.Sc Physics	Skill Development: Contents: Learning different methods of growing crystals (solution, Gel, SR method, Flux growth) and studying their properties Activities: project work, Assignments, Seminar, Group discussion, Web based learning	2021-22
18	Solid State Physics	P917	M.Sc Physics	Skill Development: Contents: X-ray diffraction-Bragg's law-Lattice vibrations, BCS theory-single particle tunnelling-Josephson tunnelling, Quenching of orbital angular momentum-Adiabatic demagnetization-Bloch theorem-Kronig-Penny model - Brillouin zone.	2021-22

19	1. Nanoscience and Technology	P920A	M.Sc Physics	<p>Skill Development: Contents: Properties and classification of nano materials. Characteristic technique, bio sensors, drug delivery system. Activities : Demonstration of various method involved preparation of the nanomaterials.</p>	2021-22
20	2. Optical Physics	P920B	M.Sc Physics	<p>Skill Development: Contents: electromagnetic waves, lasers, optical fibres, optical devices and applications of optics. Activities: Demonstration of concepts, seminar and Quiz on Ferroelectric, Liquid crystal materials for these devices, Piezoelectric, Electrostrictive and magnetostrictive effects</p>	2021-22
21	3. Computational Quantum Mechanics	P920C	M.Sc Physics	<p>Skill Development: Contents: Schrodinger formulation and its approximation , Basic molecular modelling methods, Ab initio calculation and density functional theory , calculation of equilibrium</p>	2021-22

				geometries, force constants, vibrational spectra and its transition states. Activities: Problem solving, exercises on thermodynamical problems.	
22	1. Shock Waves and High Pressure Physics in Material Science		M.Sc Physics	Skill Development: Contents: shock waves, origin: natural and artificial, types of sonic waves, Shock Tube, Behaviour of materials under shock loaded conditions, Static high pressure compression of solids, Conditions Activities: Investigating by Demonstration, Hands-on-learning, seminar, Quiz, Interpretation of concepts, Results and Error Analysis, web based learning	2021-22
23	2. Electrical Appliances		M.Sc Physics	Skill Development: Contents: The basics of electrical/electronic components, understand the electrical components in our household applications, series and parallel electrical connections in the	2021-22

				household appliances, principle and design of electric iron household appliances in our day to day life, the fundamentals and working of consumer electronics appliances Activities : Investigating by Demonstration, Hands-on-learning, seminar, Quiz, Interpretation of concepts, Results and Error Analysis, web based learning	
24	3. Research and Publication ethics		M.Sc Physics	Skill Development: Contents: publications misconduct, academic integrity, predatory publications, the publication ethics, authorship and contributorship- Identification of publication misconduct etc. Activities: Demonstration of plagiarism software like Turnitin, Urkund and other open source software tools	2021-22

25	Electronic Instrumentation Techniques	P1015	M.Sc Physics	<p>Skill Development: Principle, block diagram and working: Ramp type digital voltmeter, potentiometric type digital voltmeter - Digital Multimeter, digital LCR meters, digital pH meter, digital conductivity meter and digital storage Oscilloscope – introduction to virtual instrumentation, Supervisory control and data acquisition - Principles and Experimental techniques: X-ray Photoelectron Spectroscopy (XPS), Auger Electron Spectroscopy, Atomic Absorption Spectroscopy, Atomic Emission Spectroscopy, Flame Photometry-SIMS, CHNS.</p>	2021-22
26	Nuclear and Particle Physics	P1016	M.Sc Physics	<p>Skill Development: Contents: Basic properties, Semi-empirical mass formula, Two body problem Activities: Group discussion , Assignment, Test, Problem solving</p>	2021-22

27	Modern Physics Practicals	PP1009	M.Sc Physics	Skill development: Contents: 100% (all the experiments) Activities: Hands-on-learning, Demonstration, Record writing, Experimental learning, Interpretation of Graphs, Result and Error Analysis	2021-22
28	Microprocessor and C Programming Experiments	PP1010	M.Sc Physics	Skill Development: Content: 100% Activities: Enable students to write an assemble level an language program and execute a simple program , Writing assembly language programs Problem analysis assignments, Problem solving Exercises, Debugging.	2021-22
29	2. Reactor Physics	P1017B	M.Sc Physics	Skill Development: Contents: Chain reaction reaction rate, diffusion Equation- solution of diffusion equation , Nuclear fuels etc Activities : Group discussion , Assignment, Test, Proble solving	2021-22
30	3. Digital Signal Processing	P1017C	M.Sc Physics	Skill Development: Contents: Discrete-Time Signals and Systems, Structures for Discrete Time Systems, Filter	2021-22

				Design Techniques, Advance DSP Techniques Activities: Project for designing various filters	
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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	Skill Development: Content: Stereochemistry, Bonding Activity: Molecular modelling, Elucidating Structure	2021-22
2	Analytical Chemistry-I	CH117	B.Sc Chemistry	Skill Development: Content: Lab safety, Separation technique, Error Analysis Activity: Following precautions in the lab, disposing the lab waste properly, qualitative Estimation of ions	2021-22
3	Inorganic Chemistry-I	CH216	B.Sc Chemistry	Skill Development: Content: p-block elements, acids and bases Activity: Identifying the properties and applications of s & p block elements, evaluating the theories of Acid and bases. Application of inorganic benzene.	2021-22
4	Physical Chemistry-I	CH217	B.Sc Chemistry	Skill Development: Content: Ideal gas and real gas-Deviation of real gas from ideal behavior. Activity: Write down the	2021-22

				causes of deviation of Ideal gas behavior, Derive the van der Waals equation for real gases.	
5	Organic Chemistry-II	CH316	B.Sc Chemistry	Skill Development: Content: Reactivity of various molecules and mechanism, Activity: Identifying the reactivity difference among various reagents and molecules	2021-22
6	Inorganic Chemistry-II	CH317	B.Sc Chemistry	Skill Development: Content: Chemistry of Group-14 and 15 Activity: Identify the structure of formation of molecules in Group- 14 and Group- 15 elements, Structural features of silicates. Determining the structure of the molecule by VB and MO theory and importance of nuclear chemistry. Deduction of Q values	2021-22
7	Physical Chemistry-II	CH417	B.Sc Chemistry	Skill Development: Content: Spontaneity of a reaction, Phase rule, Surfactants Activity: Write the condition for spontaneity and find out the spontaneity in simple chemical reaction, Determine the no. of phases, components and degrees of freedom by using the phase rule, Determine the properties of surfactants and its applications	2021-22

8	Inorganic Qualitative Analysis	PCH408	B.Sc Chemistry	<p>Skill Development: Content: Semi-Microanalysis Activity: Determine the ions present in the given inorganic salt mixture. synthesis of Inorganic complexes. Operate centrifugation and precipitation by semi-Micro analysis</p>	2021-22
9	Inorganic Chemistry-III	CH546	B.Sc Chemistry	<p>Skill Development: Content: Properties of Lanthanides Activity: Determining the magnetic properties of transition elements. Elaborating lanthanides contraction and its consequences. Identify the chemistry of p, f, d block elements and noble gases.</p>	2021-22
10	Physical Chemistry-III	CH547	B.Sc Chemistry	<p>Skill Development: Content: Schrodinger's wave equation, Rate and order of a Chemical Reaction Activity: Derive a Schrodinger's wave equation for simple systems like particle in one dimensional and three dimensional box, Determine the rate and order of reaction by using the various methods.</p>	2021-22

11	Elective-I Bio- Inorganic Chemistry	CH549C	B.Sc Chemistry	Skill Development: Content: Bioinorganic chemistry, Metalloporphyrin Activity: Illustrate the role of inorganic metals in biological systems and cells, Elucidate the structure of hemoglobin and myoglobin by epr and electronic spectra	2021-22
12	Elective-II Protein Chemistry	CH550B	B.Sc Chemistry	Skill Development: Content: Amino acid, Enzyme and Co enzyme Activity: Classify the amino acid and enzymes, Elucidate the structure and significance of thiamine phosphate	2021-22
13	Inorganic Chemistry- IV	CH640	B.Sc Chemistry	Skill Development: Content: Organometallic Chemistry, Bio- Inorganic Chemistry Activity: Applying various theories to predict the structure and bonding in coordination compound. Determination of different organometallic compounds, Defects in solids and analyzing the roles of Bio-inorganic compound in biological systems.	2021-22

14	Elective-III Materials Chemistry	CH642D	B.Sc Chemistry	Skill Development: Content: Solid state and magnetic properties Activity: Identifying the different crystal systems, analyzing solid state materials, Determine the magnetic properties of the materials	2021-22
15	Elective-III Chemistry of Drug Design	CH642F	B.Sc Chemistry	Skill Development: Content: Drug discovery, SAR Activity: Study and derive the equation of SAR/ QSAR , Drug structure and Solubility, Lead compound identification	2021-22
16	Gravimetric and Organic Analysis	PCH621	B.Sc Chemistry	Employability: 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

17	Physical Chemistry Practicals	PCH622	B.Sc Chemistry	<p>Skill Development:</p> <p>Content: Rate constant and distribution coefficient</p> <p>Activity: Determine the rate constant of ester hydrolysis and dissociation constant for weak electrolytes, Determine the distribution coefficient for iodine between water and CCl₄ (or) benzoic acid between water and benzene</p>	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	Physical Chemistry-I	CH718	M.Sc Chemistry	Skill Development: Content: Group theory Activity: Identify the symmetry elements and symmetry operations, Construct the character table for some simple chemical system	2021-22
2	Elective-I Pharmaceutical Chemistry	CH719C	M.Sc Chemistry	Skill Development: Content: Pharmacology, Viral and Bacterial Infections and some common disease Activity: Identifying the cause and symptoms of various diseases caused by viral and bacterial infection, Knowing the basic knowledge about the analgesic, types of drugs and drug name and dosage of drug in various diseases.	2021-22

3	Inorganic Chemistry-II	CH819	M.Sc Chemistry	<p>Skill Development: Content: Stereoisomerism of Coordination complex, Bioenzyme Catalysts. Activity: Determine the stability and stereochemistry of Inorganic complexes by various methods. Structural features of Macrocyclic ligands. Describing the functions and active site in the structure of metalloproteins and metalloenzymes</p>	2021-22
4	Physical Chemistry-II	CH820	M.Sc Chemistry	<p>Skill Development: Content: Introduction to Quantum Chemistry, Statistical thermodynamics Activity: Derive the Schrodinger's wave equation for simple systems and interpret the results with suitable operator, Relate the partition function with thermodynamic function.</p>	2021-22
5	Inorganic Practicals-I	PCH814	M.Sc Chemistry	<p>Skill Development: Content: Semi-microanalysis of Inorganic Mixtures Activity: Qualitative analyzes of salt mixture by semi micro analysis. Operating centrifugation Estimating the quantity of Ca, Mg and Zn by</p>	2021-22

				complexometric titration. Synthesis of Inorganic complexes	
6	Physical Practicals-I	PCH815	M.Sc Chemistry	<p>Skill Development: Content: Adsorption, Distribution law and kinetics Activity: Estimate the amount of substance adsorbed on the activated charcoal and find out the concentration of the solution, Determine the distribution coefficient and equilibrium constant of a reaction and also determine the order of some common chemical reactions</p>	2021-22
7	Inorganic Chemistry-III	CH919	M.Sc Chemistry	<p>Skill Development: Content: Magnetism in inorganic Materials, norganic Spectroscopy. Activity: Apply UV-Visible, FT-IR, NMR, NQR technique to determine the inorganic compound properties. ESR, ASS and ICP AES spectroscopy used for structural elucidation. Identify a proper lanthanide materials for sensor.</p>	2021-22

8	Spectroscopy	CH920	M.Sc Chemistry	Skill Development: Content: Semi-Microanalysis Activity: Determine the ions present in the given inorganic salt mixture. synthesis of Inorganic complexes. Operate centrifugation and precipitation by semi- Micro analysis	2021-22
9	Inorganic Chemistry-IV	CH1018	M.Sc Chemistry	Skill Development: Content: Hydrogenation of oils using catalyst, Activity: Determination of various organometallic compound. Analyzing the different metallocene and Identifying the advantages of nuclear fuel and conventional energies.	2021-22
10	Physical Chemistry Practicals	PCH1015	M.Sc Chemistry	Skill Development: Content: Conductometric measurements Activity: Determine the concentration of solution by using the conductometric titration, Verify the Ostwald's dilution law and Kohlraush law	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	Problem Solving Techniques	CS120	B.Sc. Computer Science	Skill Development: Practice for Drawing the flowchart, writing algorithm & Coding techniques through practice in Assignments, based on this activity the student can become a problem solver.	2021-22
2	Web Development Using HTML	CS121	B.Sc. Computer Science	Skill Development :Practicing HTML tags and CSS for creating a website on their own through practice in computer laboratory, so that the students can become a web designer in a company.	2021-22
3	Practical -I: Web Development Using HTML	PCS108	B.Sc. Computer Science	Skill Development: 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

4	Digital Computer Fundamentals	CS221	B.Sc. Computer Science	Skill Development: Learning the functionalities of logic gates, circuits, flip flops, registers through assignment writing, problem solving and seminar, so that the student can become a hardware design engineer.	2021-22
5	Programming Using C	CS222	B.Sc. Computer Science	Skill Development Practice 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
6	Practical -II: Programming Using C	PCS212	B.Sc. Computer Science	Skill Development: 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

7	Computer Organization And Architecture	CS322	B.Sc. Computer Science	Skill development: Learning the internal process of software instruction in hardware components through assignment writing, problem solving and seminar, so that the students can become a system admin.	2022-23
8	Data Structures and Algorithms Using C	CS323	B.Sc. Computer Science	Skill development: 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
9	Practical -III: Data Structures And Algorithms Using C	PCS309	B.Sc. Computer Science	Skill development: 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
10	Software Engineering	CS422	B.Sc. Computer Science	Skill development: Practice the SDLC life cycle activities through assignment writing, problem solving and seminar and also applying the SDLC concept to the	2022-23

				project to create software on his/her own. So that the students can become a software designer.	
11	Relational Database Management Systems	CS423	B.Sc. Computer Science	Skill development: 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
12	Practical -IV: Relational Database Management Systems	PCS412	B.Sc. Computer Science	Skill development: 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
13	Programming Using Java	CS534	B.Sc. Computer Science	Skill development : 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

14	Linux and Shell Programming	CS535	B.Sc. Computer Science	Skill development : 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
15	Programming Using PHP	CS536	B.Sc. Computer Science	Skill development : 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
16	Practical -V :Programming Using Java	PCS512	B.Sc. Computer Science	Skill development: 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
17	Practical -VI :Linux and Shell Programming	PCS513	B.Sc. Computer Science	Skill development : Creating simple application with use of Linux and Microprocessor concepts through practice in computer laboratory, so that the students can become a	2020-21

				programmer.	
18	Practical -VII :Programming Using PHP	PCS514	B.Sc. Computer Science	Skill development : 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
19	Mobile Apps – Android Development	CS629	B.Sc. Computer Science	Skill development : 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
20	Web Development Using XML	CS628	B.Sc. Computer Science	Skill development : 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
21	Programming Using Python	CS630	B.Sc. Computer Science	Skill development : Creating simple application with use of Python concepts through practice in Assignment and Computer laboratory, so that the students can become a	2020-21

				programmer.	
22	Microprocessor and its Applications	CS629	B.Sc. Computer Science	Skill development : 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
23	Practical - VIII: Microprocessor and its Applications	PCS623	B.Sc. Computer Science	Skill development : 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
24	Practical -IX :Programming Using Python	PCS624	B.Sc. Computer Science	Skill development : Creating simple application with use of Python concepts through practice in computer laboratory, so that the students can become a programmer.	2020-21

25	Practical -VI :Web Development Using XML	PCS625	B.Sc. Computer Science	Skill development : 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
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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	Skill Development: Content: The Phases, Compiler construction tools, Grammars, Writing a grammar	2021-22
2	Advanced Java Programming		M Sc Computer Science	Skill Development Contents : AWT, Swing, JDBC, Network in java, Collections, JSP & Servlet, Clientside 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	Web Services		M Sc Computer Science	Skill Development Contents : XML technology, SOAP, WSDL, UDDI, XML in E-Business and CMS Activities : Assignments, Quiz, Seminar	2021-22

4	Data Mining and Warehousing		M Sc Computer Science	Skill Development Content: Classification and Prediction, Cluster Analysis, Applications and Trends in Data Mining,	2021-22
5	Business Intelligence		M Sc Computer Science	Skill Development Contents : Complex business problem, adaptive business intelligence and prediction methods, modern optimization techniques, Computational intelligence Activities : Assignments, Quiz, Seminar	2021-22
6	Practical – I: Advanced Java Programming		M Sc Computer Science	Skill Development Contents : AWT, Swing, JDBC, Network in java, Collections, JSP & Servlet, Clientside programming Activities : Practical programs on all topics, Windows and web Application Development using AWT, Swing, JDBC, JSP and Servlet	2021-22
7	Distributed Operating System		M Sc Computer Science	Skill Development Content: Model, Issues, Message passing, Remote procedure call, Deadlock, Proces. Activities: Written assignment and case	2021-22

				study in different operating systems	
8	Enterprise Java Programming		M Sc Computer Science	Skill Development 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
9	Object Oriented Analysis and Design		M Sc Computer Science	Skill Development Content: User Interface Design, Introducing the UML Diagrams,	2021-22
10	Software Testing and Quality Assurance		M Sc Computer Science	Skill Development 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
11	Wireless Sensor Networks		M Sc Computer Science	Skill Development Contents : Wireless sensor network architecture, Data Link layer, Network layer, Transport layer, Tools for	2021-22

				WSN. Activities : Assignments, Quiz, Network Tool demonstration and Supplementary learning	
12	Practical - IV: Enterprise Java Programming		M Sc Computer Science	Skill Development Contents : MVC, Frameworks - JSF, Struts, EJB, Hibernate, Spring Frameworks Activities : Demonstrating programs, Practical exercises, Application Development	2021-22
13	Technical Aptitude		M Sc Computer Science	Skill Development: Content: Computer Science field subjects and its familiar topics overview. Activities: Seminars, quiz, tools demonstration,	2021-22
14	Internet Of Things		M Sc Computer Science	Skill development : Content: IoT and M2M, IoT Sensors, IoT Design Methodology, IoT Systems Connection and Working Process.	2021-22
15	Artificial Intelligence		M Sc Computer Science	Skill Development: Content: AI Problems and Characteristics, Search Techniques, Game playing, Fuzzy logic, Problem solving Activities: Seminars,	2021-22

				Group Discussions, Analyse AI algorithms / Employability	
16	Design and Analysis of Algorithms		M Sc Computer Science	Skill Development Contents : Pseudo Code design, Divide and conquer method, Dynamic progrearming, backtracking, branch and bound methods Activities : Demonstration of algorithms, Problem solving Assignments, Quiz, Seminar, Supplementary learning	2021-22
17	Semantic Web and Applications		M Sc Computer Science	Skill Development: Content: Semantic Web vision, Describing web resources, Web ontology language(OWL), Logic and inference rule; Activities: Seminars, Group Discussions, Quiz	2021-22
18	Ethical Hacking & Cyber Forensics		M Sc Computer Science	Skill Development: Content: Types of Computer Forensics, Data Recovery, Electronic Evidence, Threats. Activities: Seminars, Group Discussions, Quiz	2021-22

19	Cloud Computing		M Sc Computer Science	Skill Development: Content: Cloud computing services and application design, development, multimedia cloud, Cloud security and applications. Activities: Use online cloud computing tools, Seminars, Assignments	2021-22
20	Practical-VII: Design and Analysis of Algorithms		M Sc Computer Science	Skill Development 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
21	Software Project – I		M Sc Computer Science	Skill Development Activities : Real time application development	2021-22
22	Career Building Skills		M Sc Computer Science	Skill Development Contents : Attitude & altitude, Time is money, Team building, leadership, Interpersonal skill, Presentation skill, Business correspondance, Interview, Group Dynamics Activities : Seminar,	2021-22

				classroom Activities, Assignments	
23	Big Data Analytics		M Sc Computer Science	Skill Development Content: Classification of Digital Data, VVV, Evolution of Big Data, Challenges with Big Data, Classification of Analytics, Introducing Hadoop, Activities: Group Discussion on VVV, Assignment - Classification of Digital Data	2021-22
24	Data Science with Python		M Sc Computer Science	Skill Development 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
25	Cryptography and Network Security		M Sc Computer Science	Skill Development Content: 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	2021-22

				studies	
26	Social Network Analysis		M Sc Computer Science	Skill Development Contents : Clustering and classification, Social media mining, Extraction & Mining in web social networks Activities : Seminar, quiz, assignments, case studies	2021-22
27	Soft Computing		M Sc Computer Science	Skill Development Contents : Artificial Neural Networks, Fuzzy Systems, Genetic algorithms, Hybrid Systems. Activities : Seminar, quiz, assignments, case studies	2021-22
28	Practical - IX: Data Science with Python		M Sc Computer Science	Skill Development 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	2021-22
29	Research Investigation		M Sc Computer Science	Skill Development Activities : Reading Journals and Books, writing Research paper.	2021-22

30	Software Project – II		M Sc Computer Science	Skill Development Activities: Project implementation and documentation, viva- voce	2021-22
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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	Theatre Skills	MSW135S	MSW	<p>Skill Development Contents: Vocal Dynamics, Body Language and Mannerisms. Use and Awareness of Space, Improvisational Techniques. Activities : Creativity. Good understanding of emotions, scenes, and acting techniques. The ability to memorize lines. The capacity to engage with the audience. The experience to understand a character.techniques, The ability to memorize lines, The capacity to engage with the audience. The experience to understand a character.</p>	2021-22
2	Concurrent Field Work-I	MSW136F	MSW	<p>Skill Development: Contents: enhances the students' understanding of the social work profession and the nature of the problems addressed by the profession itself. Activities:approach to instruction and learning through which social work as a profession facilitates students to become practitioners through community involvement activities.</p>	2021-22

3	Social Welfare Administration	MSW233T	MSW	<p>Skill Development: Contents: government departments, Welfare Boards, Corporations, Social Welfare Agencies, Non Governmental Organisation (NGOs), Inter Governmental Organisations (IGOs), Community Based Organisations (CBOs) Activities: Formulating the Agency's objectives, The Provision of a Formal structure, The promotion of co-operative Efforts, Finding and Deploying Resources</p>	2021-22
4	Communication Skills	MSW235S	MSW	<p>Skill Development Contents: 7 Cs, clarity, correctness, conciseness, courtesy, concreteness, consideration and completeness. Written Communication, Oral, Non Verbal & Visual, Active Listening, Contextual Communication. Activities: convey information, Presentation, Active Listening, Nonverbal Communication, Feedback, Respect, Confidence, Clarity.</p>	2021-22
5	Concurrent Field Work-II	MSW236F	MSW	<p>Skill Development Contents: observational visits Medical & Psychiatric, Rural Community Setting, Slum Visits ,Industrial Setting, Correctional Setting and Tribal Setting. Activities: Develop a conscious and deliberate use of self awareness ,engaging, establishing rapport and relationship-building,demonstrate basic interpersonal communication skills, Identify and apply</p>	2021-22

				problem-solving strategies,	
6	Block Field Work (4 Weeks Duration)	MSW237F	MSW	<p>Skill Development Contents: Observational Methods, Participant Observation, Non-Participant Observation, Ethnographic Method, Comparative Method, Reflexivity, Intersubjectivity, Triangulation Method Activities: orientation visits, placement, agency–client relationship, assignment of tasks, nature of social work process (activities), team work, administrative assignments, recording and field instruction</p>	2021-22
7	Data Processing & Analysis Skill - (SPSS & NVivo)	MSW325S	MSW	<p>Skill Development Contents: determine the presence of certain words, themes, or concepts within some given qualitative data, presence, meanings, and relationships of such certain words, themes, or concepts. Activities: to discover, interpret, visualize, and tell the story of patterns.</p>	2021-22
8	Research Project I	MSW327J	MSW	<p>Skill Development: Contents: Title, Introduction, Literature Review, Research Methodology, Data Analysis, Results, Conclusion, Reference Page Activities: systematic investigation, including research development, testing and evaluation, designed to develop or contribute to generalizable knowledge, Make a quiz pattern, draft a collage, design a magazine, record an interview.</p>	2021-22

9	Concurrent Field Work – III	MSW326F	MSW	<p>Skill development: Contents: simultaneous, systematic, synchronized and cumulative acquisition of knowledge, skills and values for professional competence Activities: A meaningful fieldwork placement enhances the students' understanding of the social work profession and the nature of the problems addressed by the profession itself. Learning, therefore, takes place at various levels, that is, intellectually, emotionally and practically</p>	2021-22
10	Counseling and Career Guidance	MSW422C	MSW	<p>Skill Development : Contents: Advice-giving, support providing, educational, training and occupational choices Activities: Pre-Counseling, Career Assessment, 360° Profile Analysis, Setting Career Goals, Develop an Action Plan, Using Technology Platforms, Understanding the job market, Updated Knowledge of Career Options.</p>	2021-22
11	Concurrent Field Work IV	MSW426F	MSW	<p>Skill development: Contents: Functions and activities of field placement organization, Activities: orientation visits, placement, agency–client relationship, assignment of tasks, nature of social work process (activities), team work, administrative assignments, recording and field instruction</p>	2021-22

12	Research Project II	MSW427J	MSW	<p>Skill development: Contents: Designing and implementing a research methodology, research software to process and analyze the data, interpret data and derive results and discussions, research project. Activities: Finalization of Methodology Chapter, Analysis and Interpretation of Data using SPSS, Main Findings and Suggestions, Summary and Conclusion</p>	2021-22
13	Block Field Work		MSW	<p>Skill development : Content: vision, mission, philosophy, administration, strategies, program, activities, and achievements and also involve with the activities of the organization to whatever extent possible. Activities: social casework, social group work, community organization, social welfare administration, and research.</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	Skill Development: Contents: Decision Making – Steps in Decision Making – Motivation - Departmentation - Decentralization Activity: Role Play, Dumb Charade	2021-22
2	Fundamentals of Organization	B109	BBA	Skill Development: Contents: Social Responsibility of Business Activity: Social Service activities	2021-22
3	Business Lab	PB102	BBA	Skill Development: Contents: Power Point Presentation, Typing Skills Activity: Typing, Video Presentation, Power Point Presentation	2021-22

4	Accounting for Managers	B208	BBA	Skill Development: Contents: Accounts Preparation – Final Accounts, Subsidiary Books Activity: Practical Accounts	2021-22
5	Business Correspondence	B209	BBA	Skill Development: Contents: Letter of Application, Report Writing, Activity: Assignment	2021-22
6	Business Practical -II	PB202	BBA	Skill Development: Contents: Preparation of Receipts and Vouchers, Drawing and endorsing of bills, Filling up of Railway Tickets Activity: Demonstration, Practical Works	2021-22
7	Principles of Marketing	B320	BBA	Skill Development: Contents: Designing Competitive Strategies, Brand Decisions, Packaging and Labelling, Designing the Sales Force, Managing the Sales Force, Principles of Personal Selling	2021-22

				Activity: Seminar, Group Discussions, Best Manager Contest and New Product Creation	
8	Cost & Management Accounting	B321	BBA	Skill Development: Contents: Preparation of Various Budgets, Cash Budget, Flexible Budget, Sales Budget, Production Budget and Master Budget. Zero-Base Budgeting Activity: Debate, Real Time Balance Sheet Analysis, Project and Role play	2021-22
9	Economics for Management	B322	BBA	Skill Development: Contents: Cost Output Relationship – Break Even Analysis, Methods of Calculating National Income Activity: Assignments, Computing the Cost and Output Relationship for a Product	2021-22

10	Legal Aspects of Business	B323	BBA	Skill Development: Contents: Memorandum of Association - Contents of Articles -Agenda and Minutes Activity: Document, Seminar, Assignment	2021-22
11	Research Methods	B422	BBA	Skill Development: Contents: Primary Data: Mailed Questionnaire, Schedules, Interview Method, Observation and Case Study, Steps in report writing Activity: Guest Lecture Method, Case Study and Mini project	2021-22
12	Financial Management	B424	BBA	Skill Development: Contents: Pay Back Period, ARR, NPV, IRR and Profitability Index Method Activity: Assignment, calculation	2021-22

13	Basic Research Project	B427J	BBA	<p>Skill Development: Contents: Primary Data: Mailed Questionnaire, Schedules, Interview Method, Observation and Case Study, Steps in report writing Activity: Group project</p>	2021-22
14	Organizational Behaviour	B426	BBA	<p>Skill Development: Contents: Perceptual Process, Factors Influencing Perception, Perceptual Errors, Major Personality Attributes that Influences Organizational Behaviour, Factors Influencing Group Cohesiveness, Coping Strategies for Stress. Activity: Group Discussion on strategies followed in organization and its environmental issues, Assignments, Quiz</p>	2021-22
15	Export Management	B520	BBA	<p>Skill Development: Contents: FERA, EPZ Activity: Framing of Export Documents</p>	2021-22

16	Project	B516J	BBA	Skill Development: Contents: Primary Data: Mailed Questionnaire, Schedules, Interview Method, Observation and Case Study, Steps in report writing Activity: Project	2021-22
17	Business Environment	B521	BBA	Skill Development: Contents: National Income Accounts Activity: Calculation, Assignment, Seminar	2021-22
18	Social Responsibility Project	B524J	BBA	Skill Development: Contents: Social Responsible Activities Activity: Project, Field Visit	2021-22
19	Consumer Behaviour	B522A	BBA	Skill Development: Contents: Consumer Behaviour and Services, Understanding the Service Consumers, Information Search and Evolution of Attributes of Dissatisfaction, Service Perception and Implication for Marketers. Segmentation Targeting and Positioning of	2021-22

				Services, Segmentation of the Market for Services, Positioning Through the Value Chain, Positioning Alternatives Activity: Case Analysis, Project, Model Analysis and Seminar	
20	Service Marketing	B522C	BBA	<p>Skill Development: Contents: Consumer Behaviour and Services, Understanding the Service Consumers, Information Search and Evolution of Attributes of Dissatisfaction, Service Perception and Implication for Marketers. Segmentation Targeting and Positioning of Services, Segmentation of the Market for Services, Positioning Through the Value Chain, Positioning Alternatives Activity: Case Analysis, Project, Model Analysis and Seminar</p>	2021-22

21	Sales & Distribution Management	B523A	BBA	<p>Skill Development: Contents: Sales Cost and Cost Analysis, Marketing Channels Activity: Assignment, Seminar</p>	2021-22
22	Business Taxation	B523B	BBA	<p>Skill Development: Contents: Types of GST Activity: Calculation, Assignment, Working Methods</p>	2021-22
23	Project Management	B523C	BBA	<p>Skill Development: Contents: Project implementation stages project direction communications in a project - coordination guidelines for effective implementation reporting in project management - project evaluation Activity: Group Discussion, Seminar, Assignment</p>	2021-22

24	Management Concepts	NBB504	BBA	Skill Development: Contents: Decision Making – Steps in Decision Making - Decentralization Activity: Role Play, Dumb Charade	2021-22
25	Entrepreneurial Development	B624	BBA	Skill Development: Contents: Entrepreneurial Traits, Role of an Entrepreneur in Economic Development, Entrepreneurship, Business Opportunities Identification , Generation of Ideas, Environment and Corporate Appraisal, Scouting for Project Ideas, Project Classification, Project Identification, Criteria for Selecting Particular Project, Steps in Project Formulation, Project Implementation Activity: Entrepreneur Interview, Case Studies, Situation Analysis and Management Games	2021-22

26	Social Sensitivity Skills	B625	BBA	Skill Development: Contents: Environmental Adaptability Activity: Field Visits	2021-22
27	Banking and Industry	B626A	BBA	Skill Development: Contents: Life Insurance – Meaning – Definition – Principles – Types of Life Policies – Fire Insurance – Meaning – Causes of Fire – Policy Condition – Hazard Types of Fire Policy – Motor Insurance – Meaning and its types. Activity: Assignment, Quiz, Seminar, Filling Applications	2021-22
28	Total Quality Management	B626C	BBA	Skill Development: Contents: Involvement of Top Management, Communication, Culture, Management Systems, Statistical Quality Control, Problem Analysis, Pareto Analysis, Human Side of Process Control, Benefits of Strategic Bench Marking Process, the Costs of Quality, , ISO	2021-22

				9000, Universal Standards of Quality, ISO Around the World, Benefits of ISO Certification, Process of Getting ISO Certification, Cost of Certification, Implementation Activity: Seminars, Assignments, Case Studies and Workshops	
29	Financial Services	B627A	BBA	Skill Development: Contents: CRISIL - Debentures – Shares – Underwriting of Shares - Bonds - Merchant banking – functions and services underwriting – credit rating agencies in India. Activity: Seminar, Assignment	2021-22
30	Customer Relationship Management	B627B	BBA	Skill Development: Contents: Use of Technology in CRM – Call Center Process –CRM Technology Tools –Implementation – Requirements Analysis – Selection of CRM Package Activity: Seminar, Group Discussion	2021-22

31	B2B Marketing	B627C	BBA	Skill Development: Contents: Strategies Activity: Seminar, Field work	2021-22
32	Organization Behaviour	NBB604	BBA	Skill Development: Contents: Perceptual Process, Factors Influencing Perception, Perceptual Errors, Major Personality Attributes that Influences Organizational Behaviour, Factors Influencing Group Cohesiveness, Coping Strategies for Stress. Activity: Group Discussion on strategies followed in organization and its environmental issues, Assignments, Quiz	2021-22

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	Management Principles and Practices	MBA140T	MBA	Skill Development Contents: Introduction to Management, Planning, Organising , Directing, Controlling Activities: Role play, Flowchart Description, Concept Quiz and Dumb Charade	2020-21
2	Economics for Management	MBA141T	MBA	Skill Development: Contents: Managerial Economics, Demand and Supply Concepts, Production and Cost Concepts, Market Structure, Macro Environments, National Income. Activities: Group Discussions, CEO Talk, Debate, and Online Assignment	2020-21
3	Organizational Behaviour	MBA142T	MBA	Skill Development: Contents: Focus and Purpose Individual Behaviour, Group Behaviour, Leadership and	2020-21

				Power, Dynamics of Organizational Behaviour Activities: Mock Interview, Role play, Situation - Reaction Test and Case	
4	Accounting for Management	MBA144T	MBA	Skill Development: Contents: Financial Accounting Analysis of Financial Statement, Budgetary Control, Marginal Costing and Profit Planning, Computer in Accounting. Activities: Plant visit, Assisgnment, Situation- Real case study analysis	2020-21
5	Advanced Business Statistics for Management	MBA145T	MBA	Skill Development: Contents: Introduction to Probability and Binomial Distribution, Large Samples and Small Sample T-Test, Small Samples- F Test and Small Sample Chi-Square Test, Correlation and Regression Analysis, Time Series Analysis. Activities: Case Studies Seminar, Group Assignment and Flow Chart Preparation,	2020-21

				Application oriented problems solving	
6	Managerial Communication	MBA146T	MBA	Skill Development: Contents: Personal Communication, Business Correspondence, Work Place Communication, Presentation and Employability Skills, Writing For Media and Creative Writing. Activities: Individual seminar, Essay Writing, Reading Practice, Video play, Dialogue	2020-21
7	Marketing Management	MBA240T	MBA	Skill Development: Contents: Basics to Marketing Environment, Marketing Strategy, Marketing Mix Decisions Buyer Behaviour, Recent Trends in Marketing. Activities: Seminar, Group Discussions, SELL BEE, Mega Mela, Best Manager Contest and New Product Creation	2020-21

8	Human Resource Management	MBA241T	MBA	<p>Skill Development : 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</p>	2020-21
9	Information Management	MBA242T	MBA	<p>Skill Development : Contents: The Organization and Systems Concept, Systems Analysis and Design, Functional Management Information Systems , Database Management and Networking, Enterprise Resource Planning and Security Control . Activities: Group presentation, Assignment, Practicals, Individual virtual test</p>	2020-21

10	Financial Management	MBA243T	MBA	Skill Development: Contents: Foundation of Finance Investment Decisions, Financial and Dividend Decision, Working Capital Management, Long Term Sources of Finance. Activities: Real Time Company Financial Statement Analysis, Current Affair, Assignment and Budget Analysis	2020-21
11	Legal Aspects of Business	MBA244T	MBA	Skill Development: Contents: Commercial Law, Company Act 1956, Industrial Law, Goods and Service Tax, Consumer Protection Act 1986, Competition Act 2002 and Cyber Law. Activities: Assignment, Current Affair discussion, Seminar, Case study analysis	2020-21
12	Applied Operation Research for Management	MBA245T	MBA	Skill Development: Contents: Linear Programming, Transportation and Assignment Problem, Project Management,	2020-21

				Decision Theory and Game Theory, Replacement and Maintenance Analysis. Activities: Assignment, Application oriented problem solving, Test, Real case study analysis	
13	Operations Management	MBA246T	MBA	Skill Development: Contents: Fundamentals of Production and Operations Management, Production Planning Plant Location, Basics of Operations Planning, Applications / Problems. Activities: In Plant Training, Seminar, Data Flow Diagram and Business Model Analysis	2020-21
14	Managerial Ethics	MBA340T	MBA	Skill Development: Contents: 100% Activities: Assignment, Corporate interactions, Social Media Analysis, Current cases on ethics	2020-21
15	Strategic Management	MBA341T	MBA	Skill Development : Contents: 100% Activities: Mock Interview, Case	2020-21

				Analysis, Assignment, Seminar, Group Discussion and Turncoat	
16	International Business Management	MBA342T	MBA	Skill Development : Contents: 100% Activities: Online Assignment, Seminar, Case Analysis and Group Discussion	2020-21
17	Business Research Methods	MBA343T	MBA	Skill Development: Contents: 100% Activities: Mini project, Literature Review, Assignment, Article presentation, Role play and Debate	2020-21
18	Digital Marketing	MBA344A	MBA	Skill Development; Contents: 100% Activities: Project, Group Discussions, Turn coat and Business Model Preparation	2020-21
19	Micro Finance	MBA344B	MBA	Skill Development : Contents: 100% Assignment, Group seminar, NGO Updation, Real time case analysis and Current Affair	2020-21
20	Enterprise Resource Planning	MBA344C	MBA	Skill Development : Contents: 100% Assignment, Business Plan Presentation, Group seminar, Case Study and	2020-21

				Recent updates	
21	Counseling Skills for Managers	MBA344D	MBA	Skill Development: Contents: 100% Assignment, Role Play, Counseling Practice, Role Play, Psychometirc Test	2020-21
22	Marketing of Hospital Services	MBA344E	MBA	Skill Development;: Contents: 100% Activities: In Plant Training, Data Analysis, Role Play and Group activities	2020-21
23	Brand and Product Management	MBA345A	MBA	Skill Development : Contents: 100% Activities: Assignment, Product launch, Mega Mela, Role Play and Group activities	2020-21
24	Corporate Finance	MBA345B	MBA	Skill Development : Contents: 100% Activities: Assignment, Compnay Financial Statement Analysis, Role Play, Group Assignment	2020-21
25	Quality Management	MBA345C	MBA	Skill Development : Contents: 100% Activities: Assignment, Industiral Visit, Group activities, Individual Seminar,	2020-21

				Video play	
26	Emotional Intelligence for Managerial Effectiveness	MBA345D	MBA	Skill Development : Contents: 100% Activities: Assignment, Case Study analysis, Role play, Counseling practice	2020-21
27	Summer Internship	MBA346J	MBA	Skill Development : Contents: 100% Activities: Internship at corporates, Report writing, Viva Voce Examination	2020-21
28	Skill Paper – Soft Skills	MBA347P	MBA	Skill Development: Contents: 100% Activities: Assignment, Residential Training Programme, Group Activities	2020-21
29	Export and Import Management	MBA440T	MBA	Skill Development : Contents: 100% Activities: Assignment, Seminar, Corporate Talk, Role Play and Group activities	2020-21
30	Customer Relationship Management	MBA441A	MBA	Skill Development : Contents: 100% Activities: Assignment, Marketing cum SalesMega Mela, Role Play, Group activities	2020-21

31	International Trade Finance	MBA441B	MBA	Skill Development : Contents: 100% Activities: Assignment, Seminar, Webinar, Current affair discussion and Case study	2020-21
32	Logistics Management	MBA441C	MBA	Skill Development : Contents: 100% Activities: Assignment, Industrial visit, Video Play, Group seminar, Case study	2020-21
33	Strategic Human Resource Management and Development	MBA441D	MBA	Skill Development Contents: 100% Activities: Assignment, Individual presentation , Role Play and Group activities	2020-21
32	Retail Management	MBA442A	MBA	Skill Development : Contents: 100% Activities: Assignment, Rural market survey, SELL BEE Role Play and Group activities	2020-21
33	Security Analysis and Portfolio Management	MBA442B	MBA	Skill Development Contents: 100% Activities: Assignment, Workshop, Hands on training programme, Webinar, and Group activities	2020-21

34	Project Management	MBA442C	MBA	Skill Development : Contents: 100% Activities: Assignment, Project analysis, In-plant training and Group activities	2020-21
35	Knowledge Management and Occupational Testing	MBA442D	MBA	Skill Development Contents: 100% Activities: Assignment, Individual assessment, Profile test Role Play and Group activities	2020-21
36	Hospital Architecture Planning	MBA442E	MBA	Skill Development : Contents: 100% Activities: Assignment, Case study analysis, Individual seminar and Group activities	2020-21
37	Advertising & Sales Promotion	MBA443A	MBA	Skill Development : Contents: 100% Activities: Assignment, SELL BEE, Mega Mela, Role Play and Group activities	2020-21
38	Inventory Management	MBA443C	MBA	Skill Development : Contents: 100% Activities: Assignment, Inventory analysis, Case study discussion and Group activities	2020-21
39	Talent Management	MBA443D	MBA	Skill Development Contents: 100% Activities:	2020-21

				Assignment, Residential training programme, Self assessment and Group activities	
40	Rural marketing	MBA444A	MBA	Skill Development : Contents: 100% Activities: Assignment, Survey, Rural area visit, Role Play and Group activities	2020-21
41	Information Technology in Supply Chain Management	MBA444C	MBA	Skill Development : Contents: 100% Activities: Assignment, Recent trend analysis, Current technology updation, Webinar and Group activities	2020-21
42	Compensation Management	MBA444D	MBA	Skill Development : Contents: 100% Activities: Assignment, Company HR policy analysis, Current amendment, Role Play and Group activities	2020-21
43	Management of Hospital Services	MBA444E	MBA	Skill Development Contents: 100% Activities: Assignment, Group survey, Seminar, Real time case analysis and Group activities	2020-21
44	Mergers and	MBA445B	MBA	Skill Development : Contents: 100%	2020-21

	Acquisitions			Activities: Assignment, Current affiar discussion, Account statement analysis and Group activities	
45	Consumer Behavior	MBA446A	MBA	Skill Development : Contents: 100% Activities: Assignment, Feed back survey, Group assignment, Role play and Group activities	2020-21
46	Training for Effective Performance	MBA446D	MBA	Skill Development : Contents: 100% Activities: Assignment, Residential trining programme, Role Play and Group activities	2020-21
47	Hospital Waste Management	MBA446E	MBA	Skill Development : Contents: 100% Activities: Assignment, Hospital analysis, Case study analysis, Role Play and Group activities	2020-21
48	Research Project	MBA447J	MBA	Skill Development : Contents: 100% Activities: Main project study at organization, Individual report and Viva Voce Examination	2020-21

49	Skill Paper- Employability (Optional)		MBA	Skill Development : Contents: 100% Activities: Assignment, soft skill training, Residential; training programme and Group activities	2020-21
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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	General Tamil	LT114	B.A.,Tamil	Skill Development Contents: Sirukathai padaithal, Puthukavithai padaithal. Activities : Verse Writing, Short Story Writing, Quiz, Oral.	2021-22
2	Sirukathai, Pudhinam	TA107	B.A.,Tamil	Skill Development: Contents: Short Stories - Novels - Development of Imagination - contemporary Society - contemporary writings - Discrimination - Social Progress Activities: Reading - test - group discussions - assignments - library visits	2021-22
3	Nannool - Ezhutthathigaaram	TA108	B.A.,Tamil	Skill Development: Contents: Tamil Ezhutthukkalin olippumurair arithal, uyir Ezhutthu, meyyezhutthu, uyirmeiyezhutthu, saarpezhutthukkalai arithal. Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
4	Semmayakkamum Thoguththalum	TA109	B.A.,Tamil	Skill Development: Contents: Thamizh mozhiyai pizhaiyillaamal katral Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22

5	Tamizhyar panpattu varalaru		B.A.,Tamil	Skill Development: Contents: History - cultures - relationship - festival's - marriage Activities: Reading - test - group discussions - assignments	2021-22
6	General Tamil	LT214	B.A.,Tamil	Skill Development Contents: Sirukathai padaithal, Puthukavithai padaithal. Activities : Verse Writing, Short Story Writing, Quiz, Oral.	2021-22
7	Kavithai, Naadagam, Urainadai	TA207	B.A.,Tamil	Skill Development: Contents: Poem - Drama - Prose - Development of Imagination- Contemporary Society - Contemporary writings - Discrimination - Social Progress Activities: Reading - test - group discussions - assignments -library visits	2021-22
8	Nannool - Sollathigaaram	TA208	B.A.,Tamil	Skill Development: Contents: Tamil Sorkkal olippumurai arithal, Peyarssol, Vinaissol, Idaissol, Urissorkalai arithal. Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
9	Kaniniyil Tamil Payanpaadu	TA209	B.A.,Tamil	Skill Development: Contents: History - Internet - Social medias - Apps Activities: Tamil Typing - Google Tools - Canva - Video Editing	2021-22

10	Than Varalaru	TA209	B.A.,Tamil	<p>Skill Development: Contents: Tamil eluththalargalin kudamba pinnani,vaalkkayil santhitha sikkalgal,kalvithaguthi,padaip patralai arithal,samugathai arithukolluthal Activities: Assignment,pootithervirku thayarrakkuthal,seminar</p>	2021-22
11	General Tamil	LT312	B.A.,Tamil	<p>Skill Development Contents: Sirukathai padaithal, Puthukavithai padaithal. Activities : Verse Writing, Short Story Writing, Quiz, Oral.</p>	2021-22
12	Samayappadalgalum Sitrilakkiyangalum	TA307	B.A.,Tamil	<p>Skill Development Contents: Samayam - varalaru - sitrilakkiyam - varalaru - Padal marabu Activities: Writing-Reading - test - group discussions - assignments - temple visit</p>	2021-22
13	Yapparungalakkarigai	TA308	B.A.,Tamil	<p>Skill Development Contents: Yappinathu marabou,illakkanam arithal,paavinam,paatiyatrum thiran arithal ,marabilakanppadi chiyyul iyattruthal Activities: Assignment,pootithervirku thayarrakkuthal,seminar</p>	2021-22
14	Tamizhyarpanpattuv varalaru - 1	TA309	B.A.,Tamil	<p>Skill Development: Contents: History - cultures - relationship - festival's - marriage Activities: Reading - test - group discussions - assignments</p>	2021-22

15	General Tamil	LT411	B.A.,Tamil	Skill Development Contents: Sirukathai padaithal, Puthukavithai padaithal. Activities : Verse Writing, Short Story Writing, Quiz, Oral.	2021-22
16	Kappiyangal	TA410	B.A.,Tamil	Skill Development: Contents: Thamizhin kaappiya marapinai arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
17	Thandiyalangaram	TA411	B.A.,Tamil	Skill Development: Contents: Aanigal patri aridhal, ilakanangalai aridhal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
18	Tamizhyar panpattu varalaru - 2	TA412	B.A.,Tamil	Skill Development: Contents: History - cultures - relationship - festival's - marriage Activities: Reading - test - group discussions - assignments	2021-22
19	Ara Ilakkiangal	TA512	B.A.,Tamil	Skill Development: Contents: Thirukkural, naladiyar, mmudurai, vetrivarkkai, ulaka nithi Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
20	Tamil mozhi varalaru	TA514	B.A.,Tamil	Skill Development: Contents: History - language growth - language changes - scripts changes Activities: Reading - test - group discussions - home works - library visits	2021-22

21	Ilakkiya Thiranaaivu	TA515	B.A.,Tamil	<p>Skill Development: 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</p>	2021-22
22	Makkal Thagaval Thodarpiyal	TA516 A	B.A.,Tamil	<p>Skill Development: Contents: Thagaval thodarpin varalattrai arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal</p>	2021-22
23	Peachu Mozhi & Peachukkalai	NTA50 3	B.A.,Tamil	<p>Skill Development: Contents: Alumaithiran arithal, thalaichirantha kalai, madaipaachin vakaikal, paachalarin thakuthikal, thodakkam paachi mudithal arithal. Activities: Assignment, seminars, pottithervirku thayaaraaguthal</p>	2021-22
24	Sanga Ilakkiyam(Agam,Puram)	TA612	B.A.,Tamil	<p>Skill Development: Contents: Thinai marabu - Sanga Padalgal - Kootru - Kalavu & Karpu Activities: Padal varigal vasithal - Thinai marabai Aridhal - Makkal vazhviyal</p>	2021-22
25	Nambi Agapporul	TA613	B.A.,Tamil	<p>Skill Development : Contents: Agapporulukkana illakkanathai arithal,thnaippagupadu thelithal kalavu,karpirkana seyappaadu kalai arithal,Thirumana nivalvu,samuga kattamaippu</p>	2021-22

				kuritha arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	
26	Nattupuraviyal	TA614	B.A.,Tamil	Skill Development: Contents: History - cultures - relationship - festival's - marriage ect.. Activities: Reading - test - group discussions - assignments	2021-22
27	Oodagaviyal	TA616J	B.A.,Tamil	Skill Development: Contents: Oodagam - Varalaru -Thagaval thodarpin varalattrai arithal - Payanpadu Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
28	Agarathiyiyal	TA615 A	B.A.,Tamil	Skill Development: Contents: History - language growth - language changes - adichol - verchol - payanpadu - lexicon Activities: Reading - test - group discussions - home works - library visits	2021-22
29	Navvena Tamizh Ilakkiya varalaru	TA615 B	B.A.,Tamil	Skill Development: Contents: Thamizh ilakkia varalaru, Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
30	Mozhipeyarppu Kalaiyum Mozhi payanpadum	NTA60 3	B.A.,Tamil	Skill Development: Contents: Mzhipeyarpu kolgaigal- sikkalkal - vagaigal Activities: Tamil to english translation -English to tamil translation - conversation in english	2021-22

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	Skill Development: Contents: Eluthukalin pirappu, Punarchi arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
2	Ara Ilakkiyangal & Sitrilakkiyangal	TA719	M.A.,Tamil	Skill Development: 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	Skill Development: Contents: Naveena ezthukal - Ezhuthalargal - Kavithai - Sirukathai Activities: Kavidhai, Sirukathai vasithal - Thiranaivu - Pudhiya padaipugal ezhudhuthal	2021-22

4	Ikkal mozhieyal	TA721	M.A.,Tamil	Skill Development: 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	Skill Development: Contents: History - Internet - Social medias - Apps Activities: Tamil Typing - Google Tools - Canva - Video Editing	2021-22
6	Tholkappiyam - Sollathikaaram	TA819	M.A.,Tamil	Skill Development: Contents: Vetrumai,peyar, vinai, vili arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
7	Kappiyangal	TA820	M.A.,Tamil	Skill Development: Contents: Thamizhin kaappiya marapinai arithal - kolgaigal - matrangal - thiranaaivu Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
8	Pudhinam, Urainadai	TA821	M.A.,Tamil	Skill Development: Contents: Naveena ezthukal - Ezhuthalargal - Puthinam - Urainadai Activities: Pthinam,	2021-22

				Urainadai vasithal - Thiranaivu Seidhal - Pudhiya padaipugal ezhudha Thoondal	
9	Ilakiya Kotpadugal	TA822	M.A.,Tamil	Skill Development: 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	Skill Development: Contents: Naveena ezhthukal - Ezhuthalargal - Puthinam - Urainadai - Sirukadhai Activities: Pthinam, Urainadai vasithal - Thiranaivu Seidhal - Pudhiya padaipugal	2021-22
11	Tholkappiyam - Porulathikaaram-I	TA918	M.A.,Tamil	Skill Development: Contents: Aakam, puram, kalavu, karppu arithal. Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
12	Thinai Ilakkiyangal	TA919	M.A.,Tamil	Skill Development: Contents: Thinai marabu - Sanga Padalgal - Paduporul pinnani	2021-22

				Activities: Sanga ilakkiyam vasithal - Thiranaivu Seidhal - Aaivu Katturai ezhudhual	
13	Urai Marapugal	TA920	M.A.,Tamil	Skill Development: Contents: Urai - varalaru - kaala adippadai - nutpangal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
14	Poatti Thearvukkana Tamil	TA921	M.A.,Tamil	Skill Development: Contents: Tamil thagavalgalai aridhal,Potti thervuku thayar aagudhal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
15	Aaivedu	TA922J	M.A.,Tamil	Skill Development: 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	Skill Development: Contents: Maippaitiyal, uvamaviyal, yeiliyal, marapiyal arithal Activities: Assignment, seminars, pottithervirku thayaaraaguthal	2021-22
17	Bakthi Ilakkiyankalum Meiyiyal marabum	TA1020	M.A.,Tamil	Skill Development: 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	Skill Development: Contents: History - cultures - relationship - festivals - marriage Activities: Reading - test - group discussions - assignment	2021-22

19	Oppilakkiyam	TA1022	M.A.,Tamil	<p>Skill Development: 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</p>	2021-22
20	Mozhipeyarppu Kalai	TA1023	M.A.,Tamil	<p>Skill Development: Contents: Mozhipeyarpu kolgaigal- sikkalkal - vagaigal Activities: Tamil to english translation - English to tamil translation - conversation in english</p>	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	Main practical- I	PBC102	B.Sc. Biochemistry	Skill Development Contents: Qualitative analysis of Carbohydrates and Amino acids. Activities: Lecture Method & demonstrations and Practical Exercises on the Course Content	2021-22
2	Allied Biochemistry Practical-I	PABC201	B.Sc. Biochemistry	Skill Development Contents: Qualitative analysis of Carbohydrates and Amino acids. Activities: Lecture Method & demonstrations and Practical Exercises on the Course Content	2021-22
3	Main practical-II	PBC205	B.Sc. Biochemistry	Skill Development Contents: Titrimetric methods and solution preparations. Activities: Lecture Method, Problem solving & demonstrations and Practical Exercises on the Course Content	2021-22

4	Allied Biochemistry Practical-II	PABC202	B.Sc. Biochemistry	Skill Development: Contents:Qualitative analysis of Normal and pathological (abnormal) urine, Haemoglobin estimation, ESR.Activities: Lecture Method, Problem solving & demonstrations and Practical Exercises on the Course Content	2021-22
5	Main practical-III	PBC302	B.Sc. Biochemistry	Skill Development Contents: Preparations of Buffer & Solutions, Colorimetric estimations. Activities: Demonstrations and Practical Exercises on the Course Content	2021-22
6	NME – Health care and Disease management	NBC604	B.Sc. Biochemistry	Skill Development Contents: Safe guards to health, First Aid treatments for various conditions, Handling Emergencies . Activities: Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22

M.SC. BioChemistry

Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction
Human Physiology and Nutrition	BC711	M.Sc. Biochemistry	<p>Skill Development: Contents: Composition and functions of Blood & physiology of various human systems. Activities: Lecture Method & Seminar, Presentation.</p>	2021-22
Industrial Microbiology	BC712 B	M.Sc. Biochemistry	<p>Skill Development: 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.</p>	2021-22

Instrumentation Biochemistry	BC809	M.Sc. Biochemistry	Skill Development: Contents: Various techniques such as Electrophoresis, Microscopy, spectroscopy, Chromatography. Activities: Seminar, Interactive Presentation, Assignments, Group discussion and Lecture Method.	2021-22
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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	Internet Concepts and Web Design	CA108	BCA	Skill Development : Content - Basics of html, CSS and Java script Activities - Teaching the basic concepts of Html, various page layout techniques, Designing effective web pages	2021-22
2	Software Engineering	CA412	BCA	Skill Development : Content - Basics of Software Engineering, Architectural Design, Component based software engineering. Activities - Software Maintenance, Configuration Management, Project Document Creation	2021-22
3	Cloud Computing	CA612	BCA	Skill Development : Content - Economics of cloud, Computing platforms and technologies, Cloud platforms in industry and applications. Activities: Identify technologies are used to manage software and applications in cloud. To create and execute new applications in that cloud.	2021-22

4	Web Programming using PHP	CA614	BCA	<p>Skill Development: Content -Web Servers, Data types, Files, Error Handling, Exception Handling Activities - Demonstrations, Brain Storming Assignments, Quiz, Peer Learning</p>	2021-22
5	Discipline Specific Elective II : Big Data Analytics	CA615A	BCA	<p>Skill Development: Content - Digital data, Big data, Challenges in Big Data, Big data analytics, Top Analytic tools, Schema less models. Activities: Demonstrations, Unit Test, Brain Storming Assignments, Quiz, Group discussions</p>	2021-22
6	Discipline Specific Elective II : Internet of Things	CA615C	BCA	<p>Skill Development : Content - Basics of IOT Activities - Learn the basic concepts IOT based protocols</p>	2021-22
7	Non Major Elective - II: Multimedia	NCA604	BCA	<p>Skill Development : Content - Basics of Multimedia Contents Activities - Exercises to make posters, banners, short films, etc..</p>	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	Software Testing and Quality Assurance	MCA163T	MCA	Skill Development: Content: 100% Activities: Write Test Scenario and Create Test Cases	2017-18
2	Practical : Scripting Technology	MCA166P	MCA	Skill Development: Content: 100% Activities: Problem Solving, Create interactive graphics and multimedia content on the web	2020-21
3	Elective I - Artificial Intelligence Internet of Things Research Domain I	MCA263 A/ MCA263 B/ MCA263 C	MCA	Skill Development: Content: 100% Activities: Problem Solving, Constructing Knowledge representations Skill Development: Content: 100% Activities: Develop the prototypes models on the domain specific problem using Arduino, seminars Skill Development: Content: 100% Activities: Seminars, Assignments, Technical report writing, Publish papers in conferences and journals	2017-18
4	Pure Practical : Android Application Development	MCA264I	MCA	Skill Development: Content: 100% Activities: Develop Android applications	2020-21

5	Blockchain Technology	MCA361T	MCA	<p>Skill Development: Content: 100% Activities: Problem solving exercises, Quiz on basics of Blockchain and Bitcoin</p>	2019-20
6	Elective III: Enterprise Resource Planning, Big Data	MCA364 A/MCA364B	MCA	<p>Skill Development: Content: 100% Activities: Assignments, Case study of re-engineered business process with ERP</p> <p>Skill Development: Content: 100% Activities: Develop the prototypes models on the domain specific problem using MongoDB, Map-Reduce procedure construction</p>	2019-20
7	Life and Employability Skill Courses: Quantitative Aptitude		MCA	<p>Skill Development: Content:100% Activities: Mock Interviews, Quiz, Test on Quantitative aptitude</p>	2019-20
8	Elective IV: Data Analytics with R Programming, Data and Information Security	MCA466 A/MCA466B	MCA	<p>Skill Development: Content: 100% Activities: Apply the techniques and packages required for handling data and visualize them, Apply various statistical / learning techniques for data analytics for a given problem</p> <p>Skill Development: Content: 100% Activities: Quiz, Problem Solving in Cryptography, Symmetric and Asymmetric Ciphers</p>	2021-22

9	Elective V: Data Mining Techniques Game Programming	MCA467 A/MCA46 7B	MCA	<p>Skill Development: Content: 100% Activities: Quiz, Problem Solving, Apply the KDD process for a specific problem.</p> <p>Skill Development: Content: 100% Activities: Quiz, Problem Solving, Apply Storyboarding</p>	2021-22
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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	<p>Skill Development: Content : Complementing ,Congratulating, Related dialogues, Universe roads,Traffic signals Activities - inacting known dialogue in pair, and situational dialogue practice</p>	2021-22
2	Public communication	EN113T	BA English	<p>Skill Development: 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.</p>	2021-22
3	Business communication	EN114T	BA English	<p>Skill Development: 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</p>	2021-22

4	Literature and Film	EN521B	BA English	<p>Skill Development: Content: Making film, Translating literary works into Film and Making Literary and cinematic Interpretations Activities: Short film creation, literature based animation making, interpreting the symbolism in movie making</p>	2021-22
5	ELT	EN612	BA English	<p>Skill Development: 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</p>	2021-22
6	Translation: Theory and Practices	EN614	BA English	<p>Skill Development: 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</p>	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	Modern English Grammar	EN921B	MA English	Skill Development: Content :Grammar in examinations and test. Activities: Grammar exercises, quiz, and test.	2021-22
2	English for Competitive Examinations	EN921C	MA English	Skill Development: 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
3	Content Writing	EN1025A	MA English	Skill Development: Content : Note taking, Reporting Writing Activity: Content writing, Journalism	2021-22

	Advanced Academic Writing	EN1025B	MA English	Skill Development: Content: Description, Letters, Reference skills Activities: Content writing, Journalism	2021-22
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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)	Skill Development Contents: Record Keeping, Journal, Ledger and Final Accounts	2021-22
2	MC- Modern Banking	CC107	B.Com (CA)	Skill Development: Contents: Forms used in the operation of bank accounts, Crossing – types – Securing advances – Lien. Pledge. Mortgage and hypothecation. Activities: Quiz, Visit to bank, Hands-on-training through internship, Training on Filling various forms used in Banks, Visiting to Banks	2021-22
3	Allied: Office Automation	CC108	B.Com (CA)	Skill Development : Content - Basics of Computers and Computer storage Activities: Explaining the history of computers, parts of computers and utilization of	2021-22

				storage device concept.	
4	Allied: Internet Concepts and Web Design	CC208	B.Com (CA)	Skill Development : Content - Basics of html, CSS and Java script Activities - Teaching the basic concepts of Html, various page layout techniques, Designing effective web pages	2021-22
5	Practical –II: Internet Concepts and Web Design	PCC202	B.Com (CA)	Skill Development : Content - Basics of html, CSS and Java script Activities - Exercise to create a webpage using html elements	2021-22
6	MC- Corporate Accounting – I	CC311	B.Com (CA)	Skill Development : Contents: Valuation of Goodwill – Methods of valuing Goodwill, Valuation of Equity and Preference Shares Activities: Quiz, Assignment, Webinars on basics of Share Market, Training in solving problems, Computation of Profit during Pre and Post Incorporation of latest amendments in Companies Act	2021-22

7	Allied: Programming with C	CC313	B.Com (CA)	Skill Development : Content - Storage Classes, Structures, Union, File Management Activity: Exercises on storage classes , demonstration about file management, working with Structure and union in C.	2021-22
8	Part III: MC- Entrepreneurship Development	CC410	B.Com (CA)	Skill Development Content: Types – functions – qualities of a successful entrepreneur – Micro Small and Medium Enterprise - Facilitating and Financing Institutions for SSI Activities: Meeting an Entrepreneur and learning the case Hands on Experience on Tailoring, Beauty Parlours, Horticulture and Case study of any one Institutional Loan Schemes	2021-22
9	MC- Corporate Accounting – II	CC411	B.Com (CA)	Skill Development: Contents: Revaluation of assets and Liabilities, Holding Companies, Insurance Company Accounts Activities: Problem Solving, Assignments, Quiz,	2021-22

				Hands -on-Training on practical problems from published data	
10	MC- Costing Methods and Techniques	CC412	B.Com (CA)	<p>Skill Development: Content: Marginal Costing, Target costing - Activity based costing - Make or Buy Decision Activities: Field Visit, Preparing Operating cost of Transport Companies and College Bus, Solving Typical Problems, Guest Lecture on " Cost-Benefit Analysis", Visiting Canteen and Assessment of their Cost and Profit .</p>	2021-22
11	Allied: Relational Database Management System	CC414	B.Com (CA)	<p>Skill Development : Content - Basic SQL Queries, operators, Aggregate Functions, Stored Procedures and Functions, Indexing. Activity: Demonstrations on operators and aggregate functions. Teaching stored procedures and functions.</p>	2021-22

12	Practical -IV Relational Database Management System	PCC403	B.Com (CA)	Skill Development : Content - Views, constraints Stored procedures and functions Activity: Demonstration on PL/SQL programming, teaching Stored procedures and functions.	2021-22
13	Part III: Computer Organization	CC515	B.Com (CA)	Skill Development : Content - Basics of Computer, Number systems, Processor and Memory, Computer Languages Activities - Teaching the basics of Computer, Brain Storming, Assignment , Quiz, Seminars and Discussions.	2021-22
14	MC- Web Programming Using PHP	CC516	B.Com (CA)	Skill Development: Content -Web Servers, Data types, Files, Error Handling, Exception Handling Activities: Demonstrations, Brain Storming Assignments, Quiz, Peer Learning	2021-22

15	Main Elective: I ME: 1.1Income Tax Law and Practice - I	CC513A	B.Com (CA)	Skill Development Content: Income Tax forms and Filing of Return Activity: Visit to Auditing Firms, Assignment, Quiz, e- filing of income tax return	2021-22
16	Subject Skill: I SS: Computerized Accounting - I	CC514	B.Com (CA)	Skill Development: Content: Principles, Concepts and Conventions, cash book , Creation of a Company, Group Ledger, Payment, Receipt, Journal,Sales, Purchase, Debit,Credit, delivery and receipt Note Activities: Preparation of Manual Ledgers and Receipts, Worksheets for Sales and Purchase Orders to check with balance	2021-22
17	Practical -VI: Computerized Accounting - I	PCC504	B.Com (CA)	Skill development: Content:100% Activities:Gaining knowledge on computerised accounting & Learning the skill of mainteance of accounts in firms.	2021-22
18	Part III Non Major Elective: Basics of Accounting	NCC503	B.Com (CA)	Skill development: Content:100% Activities:Gaining knowledge on	2021-22

	using computers (Tally)			computerised accounting & Learning the skill of maintenance of accounts in firms.	
19	MC- Management Information System	CC616	B.Com (CA)	Skill Development : Content - Learning business paradigms, managerial functions, concepts of e-Commerce and Decision support systems Activities - Exercises to improve management skills, Assignment , Quiz, Seminars.	2021-22
20	Main Elective: II ME: 2.1 Income Tax Law and Practice - II	CC614A	B.Com (CA)	Skill Development Content: Computation of Income from Salary Activity: Application of Tax Planning for practical situation- Updation of Relevant Income Tax Act through Secondary Sources - Filing of tax returns Assignment; Computing taxable salary income of faculty members, Visit to Auditing Firms, Attending Seminars on GST for Updation	2021-22
21	Practical -VII: Computerized Accounting - II	PCC603	B.Com (CA)	Skill Development: Content: 100% Activities: Exercises , Assignments,	2021-22

				Problem solving	
22	Part III Non Major Elective: II General Commercial Knowledge	NCC603	B.Com (CA)	Skill Development: Content: 100% Activities: Quiz, Assignments	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	Biological Psychology-I	SY102	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Brain Stroming, Quiz	2021-22
2	General Psychology-II	SY201	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Brain Stroming, Quiz	2021-22
3	Biological Psychology- II	SY202	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Brain Stroming, Quiz	2021-22
4	Developmental Psychology-I	SY316	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Brain Stroming, Quiz	2021-22

5	Introduction to Theories of Personality	SY317	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Brain Stroming, Quiz	2021-22
6	Developmental Psychology-II	SY416	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Brain Stroming, Quiz	2021-22
7	Abnormal Psychology-I	SY417	B.Sc Psychology	Skill Development: Content: 50% Activities: Assignments, Seminars, Group discussion, Videos and MCQ	2021-22
8	Abnormal Psychology-II	SY501	B.Sc Psychology	Skill Development: Content: 50% Activities: Assignments, Seminars, Group discussion, videos and MCQ	2021-22
9	Social Psychology-I	SY502	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Brain stroming and understanding group dynamics.	2021-22

10	Introduction to Research Methodology	SY503	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, SPSS and exploring variables and ROL	2021-22
11	Experimental Psychology-I	PSY501	B.Sc Psychology	Skill Development: Content: 100% Activities: Experiments, Viva, Record book	2021-22
12	Positive Psychology	SY504A	B.Sc Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Creative Videos and Brain storming	2021-22
13	Behaviour Modification	SY504C	B.Sc Psychology	Skill Development: Content: 50% Activities: Seminars, Group discussions, Creative Assignments and Brain storming.	2021-22
14	Health Psychology	SY601	B.Sc Psychology	Skill Development: Content: 50% Activities: Seminars, Group discussions, Creative Assignments and Brain storming.	2021-22
15	Guidance & Counselling Psychology	SY603	B.Sc Psychology	Skill Development: Content: 50% Activities: Counselling steps, Group discussion,	2021-22

				demo counselling sessions.	
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M.Sc Counselling Psychology

S.No	S.No	Name of the Course	Course Code	Name of the Program	Activities with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Biological Psychology	MSY131T	M.Sc Counselling Psychology	Skill Development: Content: 100% Activities: Assignments, Seminars, Group discussion, Brain-storming, creative video making	2021-22
2	Healing the Inner Child	MSY126X	M.Sc Counselling Psychology	Skill Development: Content: 100% Activities: Therapies, self-introspection and self-improvement	2019-20
3	Learning Disability	MSY228X	M.Sc Counselling Psychology	Skill Development: Content: 50% Activities: Seminars, Group discussions, Assignments	2018-19
4	Behaviour Modification	MSY334A	M.Sc Counselling Psychology	Skill Development: Content: 50% Activities: Seminars, Group discussions,	2021-22

				Creative Assignments and Brain storming.	
5	Training and Development	MSY334B	M.Sc Counselling Psychology	Skill Development: Content: 50% Activities: Seminars, Group discussions, Assignments, Brain storming and Assessments	2021-22
6	Hypnotherapy	MSY328X	M.Sc Counselling Psychology	Skill Development: Content: 50% Activities: Seminars, Group discussions, Techniques.	2019-20
7	Psychometry	MSY433B	M.Sc Counselling Psychology	Skill Development: Content: 100% Activities: Group discussion, Brain-storming, seminars, test construction and standardization	2021-22

	Neuro Linguistic Programming	MSY427X	M.Sc Counselling Psychology	Skill Development: Content: 50% Activities: Seminars, Group discussions, Techniques.	2019-20
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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	Immunology	MB303	B.Sc Microbiology	Activities: Test on Immunity, Assignment on Antigens and Antibodies & MCQs on Hypersensitivity reactions.	2021-22
2	Medical Bacteriology	MB502	B.Sc Microbiology	Skill Development Contents: General characteristics, pathogenicity, clinical symptoms, identification and treatment for different bacteria. Activities: Test on Bacterial identification methods, Assignment on Gram positive bacteria & MCQs on Gram negative bacteria.	2021-22
3	Medical Mycology and Parasitology	MB504	B.Sc Microbiology	Skill Development Contents: Pathogenicity, Clinical Syndrome, Laboratory diagnosis, Treatment and Preventive measures for Fungal and Parasitic diseases.	2021-22

				Activities: Test on Mycoses, Assignment on Antifungal drugs & MCQs on Protozoan diseases.	
4	Major Elective – Public Health Microbiology	MB505A	B.Sc Microbiology	Skill Development Contents: Health care and Hygienic practices to study various types of Vaccines to control the life time infectious disease. Activities: Test on Hygienic practices, Assignment on Vaccines & MCQs on Water and Air quality.	2021-22
5	Major Elective - Pharmaceutical Microbiology	MB505C	B.Sc Microbiology	Skill Development Contents: Concepts of manufacture Biopharmaceutical products in today's regulatory environment. Activities: Test on Antibiotics, Assignment on Quality control of Pharmaceutical industries & MCQs on Disinfectants	2021-22
6	Main Practical – V	PMB 501	B.Sc Microbiology	Skill development Contents: Medical Bacteriology and Mycology. Activities: Observation & Test.	2021-22

7	Food Microbiology	MB604	B.Sc Microbiology	Skill Development Contents: Role of microorganisms in many food, beverage and various industries both in production and spoilage processes. Activities: Test, Assignment & MCQs.	2021-22
8	Dairy Technology	SSP – 2	B.Sc Microbiology	Skill Development Contents: Importance of the role of microorganisms in Dairy industries. Good understanding of Dairy microbiology and become an Entrepreneur. Activities: Test, Assignment & MCQs.	2021-22
9	Main Practical – VI	PMB601	B.Sc Microbiology	Skill development Contents: Isolation of Microorganisms from various sources; Quality analysis of Water and Milk. Activities: Observation & Test.	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	General Microbiology and Microbial Diversity	MB 701	M Sc Microbiology	Skill Development Contents: History and Fundamentals of Microbiology; Ultrastructure, Classification and Economic importance of Microorganisms Activities: Seminar, MCQ, Oral Test	2021-22
2	Microbial Physiology and Metabolism	MB 702	M Sc Microbiology	Skill Development Contents: Nutrient transport, Growth, Metabolism and Photosynthesis in microorganisms Activities: Discussion, Oral Test, Seminar	2021-22
3	Immunology	MB 703	M Sc Microbiology	Skill Development Contents: Cells and Organs in Immune systems; Mechanism of immune activation; Hypersensitivity reactions. Activities : Seminar, MCQ, Oral Test	2021-22

4	Medical Bacteriology	MB 801	M Sc Microbiology	<p>Skill Development</p> <p>Contents: General characteristics, pathogenicity, clinical symptoms, identification and treatment for different bacteria.</p> <p>Activities: Seminar, MCQ, Oral Test</p>	2021-22
5	Medical Virology	MB 802	M Sc Microbiology	<p>Skill Development</p> <p>Contents: Structure, Classification, Replication, Pathogenicity, Clinical Syndrome, Laboratory diagnosis, Treatment and Preventive measures for Viruses.</p> <p>Activities: Seminar, MCQ, Oral Test</p>	2021-22
6	Medical Mycology and Parasitology	MB 803	M Sc Microbiology	<p>Skill Development</p> <p>Contents: Pathogenicity, Clinical Syndrome, Laboratory diagnosis, Treatment and Preventive measures for Fungal and Parasitic diseases.</p> <p>Activities: Seminar, MCQ, Oral Test</p>	2021-22

7	Pharmaceutical Microbiology	MB 804A	M Sc Microbiology	Skill Development Contents: Concepts of manufacture Biopharmaceutical products in today's regulatory environment. Activities: Hands-on-Training, Practical Exam	2021-22
8	Bioinformatics	MB 804B	M Sc Microbiology	Skill Development Contents: Search engines and various software tools involved in Bioinformatics and Chemoinformatics. Activities: Hands-on-Training, Practical Exam	2021-22
9	Public Health Microbiology	MB 804C	M Sc Microbiology	Skill Development Contents: Concepts of manufacture Biopharmaceutical products in today's regulatory environment. Activities : Hands-on-Training, Practical Exam	2021-22
10	Core Practical - II	PMB 802	M Sc Microbiology	Skill development Contents: Immunology, Haematology and Molecular biology. Activities: Observation & Test.	2021-22

11	Internship	PBCD206J	M Sc Microbiology	Skill Development Contents: Instruments Handling and Other techniques Activities: Hands- on-Training, Report Submission, Review	2021-22
12	Research Methodology	MB 901	M Sc Microbiology	Skill Development Contents: Research designs, Scientific writing, Ethics in Scientific research, Data collection and Analysis of scientific data using software. Activities: Seminar, MCQ, Oral Test	2021-22
13	Bioinoculant Technology and Plant Pathology	MB 902	M Sc Microbiology	Skill Development Contents: Production, Formulation, Method of application and Quality control of Bioinoculants; Pathogens of plants. Activities: Seminar, MCQ, Oral Test	2021-22
14	Mushroom Technology	MB 903	M Sc Microbiology	Skill Development Contents: Cultivation, Disease control, Nutritional value and Medicinal value of Mushrooms.	2021-22

15	Vermitechnology	MB 905B	M Sc Microbiology	Skill Development Contents: Earthworms in Vermicomposting, Organic farming and Solid waste reclamation. Activities: Seminar, MCQ, Oral Test	2021-22
16	Microbial Nanotechnology	MB 905C	M Sc Microbiology	Skill Development Contents: Basic knowledge about Microbially synthesized nanoparticles and its biological applications. Activities: Seminar, MCQ, Oral Test	2021-22
17	Food Microbiology	MB 1001	M Sc Microbiology	Skill Development Contents: Role of microorganisms in many food, beverage and various industries both in production and spoilage processes. Activities: Seminar, MCQ, Oral Test	2021-22
18	Industrial Microbiology	MB 1002	M Sc Microbiology	Skill Development Contents: Use of microorganisms for the production of Antibiotics, Vaccines, Organic acids, Organic solvents, Amino acids, Vitamins and Industrial enzymes.	2021-22

				Activities: Seminar, MCQ, Oral Test	
19	Probiotic Microbiology	MB 1003C	M Sc Microbiology	Skill Development Contents: Develop the Entrepreneurial Skill production and assessment of probiotic microbes. Activities: Seminar, MCQ, Oral Test	2021-22
20	Comprehensive Microbiology	SSP-1	M Sc Microbiology	Skill Development Contents: Fundamentals of Microbiology; Microbial diversity and classification; Microbial physiology; Agricultural microbiology, Environmental microbiology, Food microbiology and Industrial microbiology. Activities: Test, Assignment & MCQs.	2021-22
21	Project/Dissertation with Viva-Voce	MB 1004J	M Sc Microbiology	Skill Development Contents: Introduction, Review, Results, Discussion and References Activities: Project Review, Viva	2021-22

22	Core Practical - III	PMB 1001	M Sc Microbiology	Skill development Contents: Bioinoculant, Composting and Mushroom Technology Activities: Observation & Test.	2021-22
23	Core Practical - IV	PMB 1002	M Sc Microbiology	Skill development Contents: Environmental microbiology and Food microbiology Activities: Observation & Test.	2021-22

B.A 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	Principles of Tourism	AH110	BA History	Skill development Contents: Study about the development of tourism as an industry. Activities: Test	2019-20
2	Outlines of Comparative Governments	AH408	BA History	Skill development Contents: understand state and its elements, types of constitutions and the significance of the theory of separation of powers. 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	Microbiology	BCD111	PGDMLT	<p>Skill Development Contents: Sample collection and handling, Microbial classification, Culture media preparations and staining methods Activities: Group discussion, Demonstration, Seminar and Interactive Presentation.</p>	2021-22
2	Lab Course I - Haematology & Microbiology	PBCD105	PGDMLT	<p>Skill Development Contents: Experiments on Haematology and Microbiology. Activities: Demonstrations, practical Exercises on the Course Content like media preparation and isolation and identification of microbes from various sources.</p>	2021-22
	Lab Course II - Diagnostic Biochemistry	PBCD106	PGDMLT	<p>Skill Development Contents: Experiments on calorimetric estimations,</p>	2021-22

				enzymatic assays, diagnostic techniques. Activities: Demonstrations, problem solving, practical Exercises on the Course Content.	
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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	Organization Theory, Structure and Design	MSDH121	PGDHRM	Skill Development Contents: introduction of organisation, Design of organization structure, Organization culture, organisational changes & Development, Life of an organisation	2021-22
2	Human Resource Management and Information System	MSDH122	PGDHRM	Skill Development: Contents: Introduction of Human Resource Management, Developing & Managing of HRM, Maintaining & Retaining of HRM, Role of Information Systems in HRM, Role of DSS and ERP in HRM	2021-22
3	Human Resource Planning	MSDH123	PGDHRM	skill Development: Contents: Human Resource Planning (HRP), Sources of Recruitment, Selection & On Boarding Process, Career Management, Effective HRP	2021-22
4	Compensation and Benefits	MSDH222	PGDHRM	Skill Development: Contents: Compensation Management, Compensation Act, Managing of Employee Job, Employee Job	2021-22

				Evaluation, Administration of Performance Appraisal on Pay,	
5	Training and Development	MSDH223	PGDHRM	Skill Development: Contents: Introduction of Training & Development, Gathering Training Needs, Training & Development Design, Methods of Training and Online Learning, Evaluation of Training & Development	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	EXIM Policy & Export Procedure & Documentation	MSDI121	PGDIEM	Skill Development Contents: Introduction to export policy & procedure, Terms for export Export benefits, Export promotion scheme, Export of principal	2021-22
2	International Market Research	MSDI222	PGDIEM	Skill Development: Contents: Introduction of international market research, Marketing research, Sampling & questionnaire, Data analysis and interpretation, International market opportunity	2021-22
3	Export and Import Management	MSDI223	PGDIEM	Skill Development: Contents: Overview of export and import, International trade, Documentation, Foreign trade policy, Process	2021-22

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	PGDLM	Skill Development Contents: Introduction, Strategic Sourcing , Supply Chain Network , Planning Demand, Inventory and Supply, Current Trends	2021-22
2	Transportation and Distribution Management	MSDL122	PGDLM	Skill Development: Contents: Distribution, Planning, Transportation, International Transportation , Information Technology (IT)	2021-22
3	Reverse and Contract Logistics	MSDL123	PGDLM	skill Development: Contents: Contract Logistics, Closed Loop Supply Chains and Logistics, Business and Market, Emerging Trends, Managing Processes	2021-22
4	Logistics Management	MSDL124	PGDLM	skill Development: Contents: Introduction , Distribution Channels and Outsourcing Logistics , Transportation and Packaging, Performance Measurement and Costs Current Trends	2021-22
5	Warehouse Management	MSDL221	PGDLM	Skill Development: Contents: Introduction Warehousing, Inventory Management , Inventory Control , Materials Handling, Modern Warehousing Methods	2021-22

6	Supply Chain Inventory Management	MSDL222	PGDLM	Skill Development: Contents:Introduction to Inventory Management , Inventory Models, Inventory Management Strategie,Inventory Optimization ,Latest Trends In Inventory Management Systems	2021-22
7	Purchase & Inventory Management	MSDL223	PGDLM	Skill Development: Contents: Introduction of Purchase Management, Buyers & Suppliers,Material Management, Data Analysis	2021-22

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	Fundamentals of Information Security	CADC101	PGDCS	Skill Development: Content: Cryptographic Algorithms, Encryption and Decryption Techniques. Activities: Quiz, Problem Solving	2021 - 2022
2	Security Strategies in Operating Systems	CADC104	PGDCS	Skill Development: Content:100% Activities: Assignments, Quiz, Case study	2021 - 2022
3	Network Cyber Security	CADC201	PGDCS	Skill Development: Content:100% Activities: Online Quiz, Assignments, Case Studies	2021 - 2022
4	Cyber Forensics	CADC202	PGDCS	Skill Development: Content: Types of Computer Forensics Systems, Public Key Infrastructure Systems, Encryption Methods and Vulnerabilities Activities: Quiz, Assignments, Problem Solving	2021 - 2022
5	Internship	CADC206J	PGDCS	Skill Development: 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 Science	CADD102	PGDDS	Skill Development: Content:100% Activities: Assignments, Quiz, Case study	2021 - 2022
2	Introduction to Data Analytics	CADD201	PGDDS	Skill Development: Content:100% Activities: Online Quiz, Assignments, Case Studies	2021 - 2022
3	Technologies for Data Science	CADD204	PGDDS	Skill Development: Content: 100% Activities: Quiz, Assignments, Problem Solving	2021 - 2022
4	Internship	CADC206J	PGDDS	Skill Development: Content: 100% Activities: Internship	2021 - 2022

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>Skill Development 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>Skill Development 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</p>	2022-23

				Presentation, Seminars and Assignments	
3	Social Work Practice with Groups	MHR103T	MSW(HRM)	Skill Development 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	2022-23
4	Social Work practice with Communities	MHR104T	MSW(HRM)	Skill Development 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	2022-23

5	Labour Legislation and Labour Welfare	MHR201T	MSW(HRM)	<p>Skill Development Learns the provisions of some of the important industrial laws. Improves the employability Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2022-23
6	Strategic Human Resource Management	MHR202T	MSW(HRM)	<p>Skill Development 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
7	Social Work Research & Statistics	MHR203T	MSW(HRM)	<p>Skill Development 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,</p>	2022-23

				<p>measurements and methods in social work research, with the goal of improving the skills of adopting the methodology and the application of statistics</p> <p>Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	
8	Human Resource Analytics	MHR204T	MSW(HRM)	<p>Skill Development</p> <p>Outline the methodologies in HR analytics and metrics, with the goal of improving the skills needed in students to become successful HR analyst.</p> <p>Activities: Lecture Method, Interactive Presentation, Seminars and Assignments</p>	2022-23