

NAME OF THE DEPARTMENT	TITLE OF THE PAPER	COURSE CODE	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	Entrepreneurship	AEC 008	2016-17	Employability, Entrepreneurship & Skill development : This course builds the basic understanding on out set of a business enterprise and the intricies of running an enterprise successfully.
	Leadership Education	AEC 011	2016-17	Employability & Skill development : This course imparts exposure to the related issues and changes to be dealt with to become an effective leader
	Accounting for Managers	MGTT22A	2016-17	Employability & Skill development : This course instills skill and domain knowledge necessary for preparing final accounts of a business concern, thus contributes to better employability.
	Human Resource Management	MGTT32	2017-18	Skill development : This course builds fundamental base required for understanding the managerial and operative functions of Human Resource Management.
	Organizational Behaviour	MGTT33	2017-18	Skill development : This course develops essential knowledge pertaining to individual, group and company level dimensions of organizational behaviour and its bearing on employees' productivity.
	Marketing Management	MGTT34	2017-18	Skill development : This course instills domain knowledge required for understanding the major functions that constitute Marketing Management.
	Financial Management	MGTT41A	2017-18	Employability & Skill development : This course builds the functional base required for executing Capital Budgeting and other basic functions that constitute Finance function, thus increases the rate of employability.
	Business Ethics and Corporate Governance	MGTT43	2017-18	Skill development : This course imparts conceptual understanding on the composition of as well as enforcement of Corporate Governance framework in India.
	Operations Management	MGTT44	2017-18	Skill development : This course develops essential knowledge pertaining to various production systems, plant layouts and major functions that constitute the Operations Management and Control Systems.
	Business Research Methods	MGT T45	2018-19	Skill development : This course builds basic skill required for conducting basic research investigation and generate a Research Report.
	Taxation	MGTT52	2018-19	Employability & Skill development : This course builds the functional base required for computation of Income tax liability on an individual and a firm, thus increases the rate of employability.
	E-Commerce	MGTT53	2018-19	Skill development : This course provides basic knowledge on how to configure different Business models and Fulfilment models that constitute the framework required for administration of an E-Commerce.
	Talent Management	MGTTEL51	2018-19	Skill development : This Elective course enables the learner realize the significance of Talent Management in enhancing the effectiveness of Organizations.
	Industrial Relations	MGTTEL52A	2018-19	Skill development : This Elective course gives basic understanding on the factors that promote cardinal Industrial Relations and constructive means of dealing with Industrial Disputes.
	Purchase Management	MGTTEL53	2018-19	Skill development : This Elective course builds the theoretical base required for appreciating the major functions that constitute Purchase Management and how to build long lasting Buyer-Supplier relationships.
	Stores Management	MGTTEL54	2018-19	Skill development : This Elective course provides background understanding on how to manage a Retail Stores as well as major responsibilities and operations of Stores Management.
	e-Commerce Applications	MGTTEL56	2018-19	Skill development : This Elective course imparts knowledge on various E-Business models and E-Governance models that are in vogue in India.

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BBA	Business Networks	MGTTEL57	2018-19	Skill development : This Elective course provides basic knowledge on how to configure different models of Business Networking through ICT for effective functioning of Business Enterprise.
	Financial Markets	MGTTEL58	2018-19	Skill development : This Elective course imparts essential understanding on functions of Primary and Secondary Financial Markets, functioning of Mutual Funds and the role of RBI, SEBI and IRDA in regulating the Financial Markets in India.
	Foreign Exchange Management	MGTTEL59	2018-19	Skill development : This Elective course builds the theoretical base required for appreciating the major functions of Foreign Exchange Market, dynamics of Foreign Exchange trading and Risk Management techniques.
	Global Marketing	MGTTEL510	2018-19	Skill development : This Elective course enables the learner build understanding on the dynamics of Global Marketing and the strategies appropriate for Global Marketing.
	Advertising & Media Management	MGTTEL511	2018-19	Skill development : This Elective course imparts understanding on Advertising campaign planning, execution and Media Management by a Business organization.
	Management-Project Work	MGTPWEL55	2018-19	Skill development : This course provides basic understanding of research methodologies and enables doing quality research in future.
	Project Evaluation and Management	MGTT61	2018-19	Skill development : This course provides fundamental idea on life cycle of a Project and the intricacies involved in Project evaluation and Management
	Micro, Small and Medium Enterprises Management	MGTT62	2018-19	Skill development & Entrepreneurship: This course builds the basic understanding on how to set up a business enterprise and the related dynamics.
	Business Strategy	MGTT63	2018-19	Skill development : This course imparts exposure to the related issues and challenges to be dealt with pertinent to Business analysis, Strategy formulation, implementation and Management.
	Global HumanResource Management	MGTTEL61	2018-19	Skill development : This Elective course imparts knowledge on various basic concepts of Global Human Resource Management and various challenging issues to be dealt with by a Global HR Manager.
	Training and Development	MGTTEL62	2018-19	Skill development : This Elective course builds fundamental base required for understanding various aspects pertaining to planning and effective execution of different Training & Development Programmes in Business Organizations.
	Agricultural and Rural Marketing	MGTTEL63	2018-19	Skill development : This Elective course enables the learner develop essential understanding on the institutional Support for Rural & Agricultural Marketing in India along with the major marketing operations and challenging issues pertaining to the same in Indian context.
	Warehouse Management	MGTTEL64	2018-19	Skill development : This Elective course provides basic knowledge on how to set up a Warehouse Management System, major warehousing operations and contemporary practices for effective management of the same.
	e-Payments System	MGTTEL66	2018-19	Skill development : This Elective course imparts exposure to the prevailing E-Payment system in India and the related issues and challenges to be dealt with.
	Social Media and e-Marketing	MGTTEL67	2018-19	Skill development : This Elective course provides background understanding on how to use Social Media sites for effective administration of E-Marketing functions.
	Financial Services	MGTTEL68	2018-19	Skill development : This Elective course imparts essential knowledge on the range of Financial services, functioning of Credit Rating Agencies and the SEBI guidelines pertaining to regulation of Financial Services in India.

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	Investment Management	MGTTEL69	2018-19	Skill development : This Elective course builds the functional base required for computation of risk and return pertaining to Securities Market, Valuation of Securities and Fundamental analysis of economy and industries.
	Marketing of Services	MGT TEL610	2018-19	Skill development : This elective course aims at developing understanding on the intricacies involved in a Service design as well as development of appropriate Service Marketing Mix.
	Retail Management	MGT TEL611	2018-19	Skill development : This Elective course imparts essential knowledge on the elements considered while setting up a Retail organization and strategic Management of the same.
	IT for Managers	MITT11	2016-17	Skill development : Develops skills in students by educating them in basic IT components and implementing them in Information Systems of an organization along with making students familiar with new IT technologies
	Tally (Accounting Software)	SEC001	2018-19	Skill development & Employability: This Skill Enhancement Course imparts the learner a practical skill in computerized recording of financial transactions, preparation of annual accounts and reports using Tally Accounting Software, thus increases the employability of the learner positively.
	Statistical Computing using SPSS Software	SEC002	2017-18	Skill development & Employability: hands on training with live data/mini project
	Environmental Studies	AEC 002A	2018-19	Skill in design, experimentation and implementation of conservation techniques
	INTRODUCTION TO MICROBES AND THALLOPHYTA	BOTT11	2017-18	Skill Development :This activity helps students develop their observation skills by closely examining leaf samples under magnification. It introduces them to the concept of classification as they group leaves based on shared characteristics. The creative drawing component allows students to express their understanding of the microscopic world and fosters creative thinking.
	BRYOPHYTA, PTERIDOPHYTA, GYMNOSPERMOPHYTA	BOTT21	2017-18	Skill Development :This activity helps students develop their observation skills by closely examining leaf samples under magnification. It introduces them to the concept of classification as they group leaves based on shared characteristics. The creative
	TAXONOMY, ANATOMY AND EMBRYOLOGY	BOTT31	2017-18	skill development ::some activities that can help you learn about bryophytes, pteridophytes, gymnosperms, and paleobotany:
	PLANT PHYSIOLOGY AND METABOLISM	BOTT41	2018-19	skill development :Plant Physiology Presentations: Prepare a presentation on a specific topic in plant physiology, such as the role of stomata in gas exchange, the importance of mineral nutrients, or the mechanisms of plant hormone action. Use visuals and clear explanations to communicate your understanding to your audience. Building Plant Models: Construct a physical or digital model of a plant cell or a specific plant physiological process. This can be a 3D model, a flow chart, or a diagram. Explain the components and interactions within your model to showcase your understanding.
	CELL BIOLOGY, GENETICS AND PLANT BREEDING	BOTT51	2017-18	Skill Development: Observation: Students closely observe cell models and genetic simulations. Critical Thinking: They analyze inheritance patterns and devise breeding strategies. Problem-Solving: Students overcome challenges in creating the desired plant genotype. Communication: They present their findings and breeding strategies to others.

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BOTANY	PLANT ECOLOGY AND PHYTOGEOGRAPHY	BOTT52	2017-18	Skill Development:Observation: Students closely examine plant adaptations and habitat details. Analysis: They break down the reasons behind plant distribution. Critical Thinking: Students consider the complex interplay of ecological factors. Communication: They share their findings and participate in discussions.
	Introduction to Microbes and Thallophyta Lab	BOTP11	2017-18	Skill enhancement in the field of micro biology and thallophyte study.
	Bryophyta, Pteridophyta and Gymnosperms and	BOTP21	2017-18	Skill enhancement by providing knowledge in identification and study of vascular and non vascular plants.
	Taxonomy, Anatomy and Embryology Lab	BOTP31	2017-18	Employability in the field of medicinal botany and imparting knowledge in identification of angiospermic plants.
	Plant Physiology and Metabolism Lab	BOTP41	2018-19	Skill enhancement in the field of experimental observations in plant physiology and identification of metabolism in plants.
	Cell Biology, Genetics and Plant Breeding Lab	BOTP51	2017-18	Providing the knowledge in cellular functions of plants, change in genotype and phenotypes in plant breeding and genetically engineered crop variety biotechnologically.
	Plant Ecology and Phyogeography Lab	BOTP52	2017-18	Skill enhancement in conservational processes and identification of interaction of environment with biotic components with respect to geographical vegetation.
	Organic farming & sustainable agriculture	BOTTEL62	2018-19	Divide the Land: Divide the planting area into two sections or use individual pots for each group. Label one section "Organic Farm" and the other "Conventional Farm" using cardboard signs and markers. Compost Power: At the "Organic Farm" section, add a layer of compost to the soil. Explain to students that compost is a natural fertilizer made from decomposed organic materials.
	Nursery, Gardening and Floriculture.	BOTTEL63	2018-19	Nursery Nooks : Seed Selection: Present students with a variety of seed packets. Discuss the different types of vegetables, flowers, and herbs available. Let them choose a few seeds they'd like to grow. Planting Powerhouse: Demonstrate how to prepare the seed starting trays or pots with potting mix. Guide students in carefully planting their chosen seeds according to the recommended depth on the seed packe
	Plant Tissue Culture and its Biotechnological A	BOTPEL61A	2018-19	Skill enhancement in culturing of plants in in-vitro and imparting knowledge in production of various tissue cultured plants.
	Organic farming & sustainable agriculture- Lab	BOTPEL62	2018-19	Employability in the field of production of organic plants there by imparting knowledge in creating a sustainable agricultural farms as entrepreneurs.
	Nursery, Gardening and Floriculture- Lab	BOTPEL63	2018-19	Employability in the field of nursery management and skill enhancement for rising nursery beds suitable for ornamental and food crops.
	Plant Diversity and Human Welfare Lab	BOTPCL61A	2018-19	Imparting knowledge in secondary metabolite production from plants for the commercial purpose.
	Ethnobotany and Medicinal Botany Lab	BOTPCL62A	2018-19	Skill enhancement in preserving the medicinal plants through traditional knowledge and the use of ethnic plants.
	Pharmacognosy and Phytochemistry Lab	BOTPCL63A	2018-19	Skill enhancement in the production of crude drugs and imparting knowledge in the field of making modern medicine using phytochemical constituents.
	Biological instrumentation and Methodology	BOTTCL64	2018-19	skill enhancement in handling different type of instruments.
	Biological instrumentation and Methodology	BOTPCL64	2018-20	skill enhancement in handling different type of instruments.
	Mushroom Culture and Technology	BOTTCL65	2018-19	skill enhancement in the field of cultivation of mushrooms.
	Mushroom Culture and Technology	BOTPCL65	2018-19	Employability in the field of production of mushrooms.
	Internship/ Project Work preferably either in an	BOT PWCL66	2018-19	Employability in the field of culturing of in vitro plants.

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	Fundamentals of Accounting	COHT11	2015-16	Employability & Skill development : Familiarize students with Accounting Practices
	Business Organization and Management	COHT12A	2015-16	Entrepreneurship & Skill development : Knowledge about Business Organizations ,management concepts, and thoughts
	Banking Theory and Practice	COHT13	2015-16	Employability & Skill development : Provide basic knowledge of theory and practices of banking
	Financial Accounting –I	COHT21A	2015-16	Employability & Skill development : Familiarize students with Accounting Practices
	Business Environment	COHT22A	2015-16	Entrepreneurship & Skill development : Awareness about the need and importance of business environment
	Financial Accounting-II	COHT31	2016-17	Employability & Skill development : Familiarize students with Accounting Practices
	Elements of Financial Management	COHT32	2016-17	Employability & Skill development : Familiarize students with conceptual framework of financial management
	Business Laws	COHT33	2016-17	Entrepreneurship & Skill development : Familiarize students with legal aspects of business
	Income tax –I	COHT34A	2016-17	Employability & Skill development : Expose students about latest provisions of Income Tax act.
	Business, Government & Society	COHT35	2016-17	Entrepreneurship & Skill development : To impart knowledge on business, government, society
	Direct Tax	COHT36	2017-18	Employability & Skill development : Expose students about latest provisions of Income Tax act.
	Accounting for Corporate Issues	COHT41	2016-17	Employability & Skill development : Enable students to develop awareness about corporate accounting
	Financial Management	COHT42	2016-17	Employability & Skill development : Familiarize students with conceptual framework of financial management
	Corporate Laws	COHT43	2016-17	Employability & Skill development : Expose students about latest provisions of corporate laws.
	Indirect Tax-II	COHT44A	2016-17	Employability ,Employability & Skill development : Knowledge on Principles and Law relating to Indirect Tax
	Marketing Management	COHT45	2016-17	Employability ,Entrepreneurship & Skill development : Conceptual awareness on various marketing strategies
	Indirect Tax Laws	COHT46	2018-19	Employability ,Entrepreneurship & Skill development : Knowledge on Principles and Law relating to Indirect Tax
	Accounting for Corporate Restructuring	COHT51	2017-18	Employability & Skill development : Knowledge on Principles and Law relating to Indirect Tax
	Cost Accounting	COHT52	2017-18	Employability & Skill development : Familiarize the students with cost concepts
	Indian Financial Service	COHT53	2017-18	Employability & Skill development : Familiarize students with the structure and functioning of the financial markets
	Security Analysis	COHT54	2017-18	Employability & Skill development : Understanding about security analysis and management.
	Management Accounting	COHT55	2017-18	Employability & Skill development : Enable students to have thorough knowledge on the management accounting techniques in business decision making
	Goods and Service Tax	COHT56	2017-18	Employability ,Entrepreneurship & Skill development : Understand various concepts related to GST
	Fundamentals of e-Commerce	COHT57	2017-18	Employability ,Entrepreneurship & Skill development : Awareness of Fundamentals of e Commerce
	Human Resource Management	COHT58	2018-19	Employability ,Entrepreneurship & Skill development : Build knowledge on Methodologies, principles, and Practices of Human Resource Management

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	Income tax-III	COHT59	2018-19	Employability ,Entrepreneurship & Skill development :Expose students about latest provisions of Income Tax act for assessment of income tax.
	Purchase Management	COHT510	2017-18	Employability & Skill development :Impart knowledge on various aspects of purchase management
	Stores Management	COHT511	2017-18	Employability & Skill development :Impart knowledge on various aspects of stores management
	Principles and Practice of Insurance	COHT512	2017-18	Employability & Skill development :Equip with principles and practice of Insurance
	Laws Relating to Insurance	COHT513	2017-18	Employability & Skill development :Understanding the laws relating to Insurance
	International Accounting	COH T61	2017-18	Employability :Understanding on international accounting in various dimensions.
	Advanced Cost Accounting	COH T62	2017-18	Employability & Skill development :Familiarize with the practices in Advanced Cost and Management Accounting
	Portfolio Management	COH T63	2017-18	Employability & Skill development :Understanding on various security analysis and management.
	Financial Services	COH T64	2017-18	Employability & Skill development :Provide an In-depth knowledge on Various financial services
	Customs	COHT65	2019-20	Employability & Skill development :Knowledge on Principles and Law relating to Indirect Tax
	Auditing	COH T66	2017-18	Employability ,Entrepreneurship & Skill development :Familiarise with the principles and procedure of Auditing
	Accounting Software (Tally)	COH P67	2017-18	Employability ,Entrepreneurship & Skill development :Skill in computerized account keeping
	Honors-Project Work	COHPW68	2017-18	Skill development :Developing various skills relating to Project preparation and Presentation
	Tax planning and Management	COHT69	2019-20	Employability ,Entrepreneurship & Skill development :Expose students about latest provisions of Income Tax act.
	Risk Management in Insurance	COHT610	2017-18	Employability ,Entrepreneurship & Skill development :Gain the knowledge to anticipate, respond and adapt managing risk in Insurance.
	Mixed Insurance	COHT611	2017-18	Employability & Skill development :Gain the knowledge to anticipate, respond and adapt managing mixedInsurance.
	Agricultural & Rural Marketing	COHT612	2017-18	Employability ,Entrepreneurship & Skill development :Awareness on Agricultural and rural marketing
	Warehouse Management	COHT613	2017-18	Employability & Skill development :Gain the skills required to be a successful warehouse manager
	Fundamentals of Accounting-I	COMT11A	2015-16	Employability & Skill development :Familiarize students with Accounting Practices
	Business Organisation	COMT12	2015-16	Employability ,Entrepreneurship & Skill development :Knowledge about Business organizations and their Setup
	Fundamentals of Accounting-II	COMT21A	2015-16	Employability & Skill development :Familiarize students with Accounting Practices
	Business Environment	COMT22A	2015-16	Employability & Skill development :Awareness about the need and importance of business environment
	Corporate Accounting	COMT31	2016-17	Employability & Skill development :Enable students to develop awareness about corporate accounting
	Business Statistics	COMT32	2016-17	Employability & Skill development :Develop skill for applying appropriate statistical tools
	Banking Theory and Practice	COMT33	2016-17	Employability & Skill development :Provide basic knowledge of theory and practices of banking
	Accounting and Financial Management	COMT35	2017-18	Employability & Skill development :To understand the accounting and financial framework
	Accounting Software- Tally Lab	COMP36	2017-18	Employability ,Entrepreneurship & Skill development :Skill in computerized account keeping

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	Accounting for Service Organizations	COMT41	2016-17	Employability & Skill development :Familiarize students with accounting practices prevailing in various institutions
	Business Laws	COMT42	2016-17	Employability & Skill development :Awareness on Contract and LLP Act
	Income Tax	COMT43	2016-17	Employability & Skill development :Expose students about latest provisions of Income Tax act.
	Commercial Geography	COMT01	2016-17	Skill development :To make the students aware the need of protection and conservation.
	Cost Accounting	COMT51	2017-18	Employability & Skill development :Familiarize the students with cost concepts
	Goods and Services Tax	COMT52	2017-18	Employability ,Entrepreneurship & Skill development Knowledge on Principles and Law relating to Indirect Tax
	Taxation	COMT53	2017-18	Employability & Skill development :Familiarize about the concepts of Taxation
	Marketing	COMT61	2017-18	Employability ,Entrepreneurship & Skill development Conceptual awareness on various strategies.
	Auditing	COMT62	2017-18	Employability ,Entrepreneurship & Skill development Familiarize students with the principles and procedure of auditing
	Management Accounting	COMT63	2017-18	Employability & Skill development :Enable students to have thorough knowledge on the management accounting techniques in business decision making
	Accounting Software- Tally Lab	COMP64	2017-18	Employability ,Entrepreneurship & Skill development Develop the skills of recording financial transactions
	Accounting and Auditing Standards	COMTEL51	2017-18	Employability & Skill development :Provide understanding about IFRS and tools and techniques
	Accounting for Government Entities	COMTEL52	2017-18	Employability & Skill development :Familiarize students with accounting practices prevailing in various institutions
	Commerce Lab	COMPEL53	2017-18	Skill development :Practical knowledge in forms of organizations
	Assessment of Tax: Individual, HUF and partnership	COMTEL54	2017-18	Employability & Skill development :Familiarize students with the procedure of tax assessment for Individual, HUF, Partnership
	Corporate taxation	COMTEL55	2017-18	Employability & Skill development :Awareness on assessment of companies
	Retaling lab	COMPEL56	2017-18	Skill development :Practical Knowledge on retailing system
	Purchase Management	COMTEL57	2017-18	Employability & Skill development :Build knowledge on Methodologies, principles, and Practices of Purchase Management
	Stores Management	COMTEL58	2017-18	Employability ,Entrepreneurship & Skill development :Build knowledge on Methodologies, Principles, and Practices of good Stores Management
	Taxation lab	COMPEL59	2017-18	Skill development :Practical knowledge on Filing of ITR's
	e-Commerce	COMTEL510	2017-18	Employability ,Entrepreneurship & Skill development Awareness on e - Commerce platforms
	Business Networks	COMTEL511	2017-18	Employability ,Entrepreneurship & Skill development Develop skills necessary to establish and maintain effective work relationships and networks
	e-Commerce lab	COMPEL512	2017-18	Employability ,Entrepreneurship & Skill development Practical knowledge in e - Commerce platforms
	Financial Reporting	COM TEL61	2017-18	Employability & Skill development :Familiarize about New Development in Reporting of Financial Statement
	Emerging Areas in Accounting	COM TEL62	2017-18	Employability & Skill development :Familiarize students with accounting practices prevailing in various institutions
	Project Work: Working with Insurance	COMPWEL63	2017-18	Employability & Skill development :Developing various skills relating to Project preparation and Presentation
	Central Excise & Customs	COMTEL64	2017-18	Employability & Skill development :Knowledge on Principles and Law relating to central Excise and Customs

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COMPTEL65	Tax Planning and Management	COMTEL65	2017-18	Employability & Skill development :Expose students about latest provisions of Income Tax act.
	Project Work: Working on Tax Filing Procedures & Documentation with IT Dept/Auditor/Tax Consultant Internship on Tax Planning Practices in Business Units	COMPWEL66	2017-18	Employability ,Entrepreneurship & Skill development :Developing various skills relating to Project preparation and Presentation
	Agricultural & Rural Marketing	COMTEL67	2017-18	Employability ,Entrepreneurship & Skill development Awareness on Agricultural and rural marketing
	Warehouse Management	COMTEL68	2017-18	Employability ,Entrepreneurship & Skill development Gain the skills required to be a successful warehouse manager
	Project Work: Survey on Rural Producers/Retailing Practices (Kirana) Survey on Hawkers/ Working with Warehouses	COMPWEL69	2017-18	Employability ,Entrepreneurship & Skill development Developing various skills relating to Project preparation and Presentation
	e-Payments System	COMTEL610	2017-18	Employability ,Entrepreneurship & Skill development Gain the skills required for e payments
	Social Media and e-Marketing	COMTEL611	2017-18	Employability ,Entrepreneurship & Skill development :Provide insight about basis of Social media and e marketing
	Project Work: Working with Organizations on e-Commerce activities, viz.,Amazon.com, Flipkart, etc. /Online Operations in Banks Working with Organizations on Tele-marketing /e-Shopping Activities	COMPWEL612	2017-18	Employability ,Entrepreneurship & Skill development Developing various skills relating to Project preparation and Presentation
	Project Management	SEC003	2018-19	Skill development :Awareness on selection and evaluation of project
	Tally (Accounting Software)	SEC004	2018-19	Employability & Skill development : Gain computerised skills for accounting
	Personal Finance	SEC005	2018-19	Skill development :Awarness on managing personal finance
	Communication & Soft Skills – I	AEC 003A	2016-17	This Course enhances the basic understanding and learning of roots of vocabulary,strategies of effective communication enhancing and focusing on all the facets of LSRW skills.
	Computer Fundamentals and office Tools	AEC 004	2016-17	Develops office automation skills in students and enables them to get entry level jobs in organization. This course enables students to commence own data entry centers.
	Information & Communication Technology – II	AEC 009A	2017-18	Develops skills in handling various social media platforms
	MS Office(CT-I)	AEC 014	2017 - 2018	Develops office automation skills in students and enables them to get entry level jobs in organization. This course enables students to commence own data entry centers.
	Information Security Management (Security Analytics)	AEC 017	2019 - 2020	Develops information security management skills in students by educating them about various security processes.
	Information Security Assessments and Audits	AEC 018	2019 - 2020	Develops skills in assessing and auditing information security risks and vulnerabilities
	Computer Fundamentals & Office Tools	CSCT12A	2016-2017	Skill Development in Office Automation Tools
	Programming Using “C”	CSCT13A	2016-2017	Skill Development in structured programming
	Problem Solving Techniques	CSCT14	2017-2018	Logical skill development in problem solving
	Office Tools Lab	CSCP12A	2016-2017	Skill Development in Office Automation Tools
	Programming Using “C” Lab	CSCP13A	2016-2017	Skill Development in structured programming
	Digital Imaging Lab	CSCP14A	2016-2017	Different Image segmentation
	Data Structures	CSCT22A	2016-2017	Skill development for various logical problem solving
	Computer System Architecture	CSCT24	2017-2018	Development of Skills by understanding underlying architecture of computer system
	UNIX	CSCT27	2018-2019	Skill development by various Unix commands and Logic development using shell script.
	Data Structures Lab	CSCP22A	2016-2017	Skill Development by implementing logics for problem solving
	Scribus Lab	CSCP24	2016-2017	implementing PDF editor
	UNIX Lab	CSCP28	2018-2019	Skill development by various Unix commands and Logic development using shell script.
	Object Oriented Programming using Java	CSCT31	2017-2018	implementing OOP concepts
	Database Management System	CSCT34A	2017-2018	Database creation & working

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	Operating Systems	CSCT35	2018-2019	Understanding OS concepts
	Object Oriented Programming using Java Lab	CSCP31	2017-2018	Implementing OOP concepts and designing Java API
	Database Management System Lab	CSCP33A	2017-2018	Database creation & working
	Operating Systems Lab	CSCP34	2018-2019	Implementing Scheduling algorithms
	Advanced Java	CSCT42A	2017-2018	Network basics and working with database connectivity and frames.
	Web Programming	CSCT43A	2017-2018	web architecture and servers, designing interactive pages
	Python	CSCT45A	2019-2020	Implementing OOP with Python
	Microprocessors	CSCT46	2018-2019	Understanding how processors work
	Advanced Java Lab	CSCP42A	2017-2018	Designing applications for JDBC, Frama, etc
	Web Programming Lab	CSCP43A	2017-2018	Designing dynamic web pages.
	Python Lab	CSCP44A	2019-2020	Implementing Python concepts
	Software Engineering	CSC T51	2018-2019	Understanding software engineering concepts.
	Network Security	CSC T57	2018-2019	Understanding various protocols for network security
	Object Oriented Analysis and Design	CSC T58	2018-2019	Developing and using various design patterns and diagrams.
	Data Mining and Ware Housing	CSC T59	2018-2019	Understanding ETL Tools
	Computer Networks	CSCT511	2018-2019	Understanding various network protocols
	Cyber Forensics	CSCT512	2018-2019	Understanding Cyber forensics methods and techniques
	Software Testing Methodologies	CSC T510	2018-2019	Distinguishing domains, bugs and discussing various software testing issues
	Android Basics	CSCT513	2018-2019	Mobile application development
	Principles of Animation	CSCT514	2018-2019	Implementing various animation techniques
	Data Mining Lab	CSC P55	2018-2019	Implementing ETL tools, cluster analysis
	Computer Networks Lab	CSCP511	2018-2019	Implementing various protocols
	Cyber Forensics Lab - I	CSCP512	2018-2019	Implementing various cyber forensics tools
	Testing Tools Lab	CSC P56	2018-2019	Implementing bug testing using various tools
	Android Lab	CSCP13	2018-2019	Developing mobile applications
	Animation Lab	CSCP14	2018-2019	Developing various animation techniques
	E-commerce	CSCT62A	2018-2019	Understanding various e-commerce strategies
	Open Source Software	CSCT64	2018-2019	Understanding open source systems
	Cloud Computing	CSCT65A	2018-2019	Understanding cloud computing concepts.
	Foundation of Data Science (R - Language)	CSCT66	2018-2019	Applying algorithms for processing data
	Data Science Lab	CSCP64	2018-2019	Implementing data processing techniques
	Big Data Technology	CSCT67	2018-2019	Applying big data analytics
	Network Programming	CSCT612	2018-2019	Understanding networking concepts
	Cyber Laws	CSCT613	2018-2019	Understanding cyber crimes and cyber laws
	Advanced Software Testing	CSCT68	2018-2019	Applying testing process and continuous quality improvement
	Advanced Android	CSCT614	2018-2019	Mobile application development
	Design of Video Games	CSCT615	2018-2019	Understanding video game concepts
	Big Data Lab	CSCP65	2018-2019	Implementing big data analytics
	Network Lab	CSCP612	2018-2019	Implementing network concepts.
	Cyber Forensics Lab - II	CSCP613	2018-2019	Implementing tools for cyber forensics
	Computer Applications- Project Work	CSCPW66	2018-2019	Designing an application for any domain
	Programming in C	CSCT11A	2016-2017	Skill Development in structured programming
	Programming in C Lab	CSCP11A	2016-2017	Skill Development in structured programming
	Data structures using C	CSCT21A	2016-2017	Skill development for various logical problem solving
	Data structures using C Lab	CSCP21A	2016-2017	Skill Development by implementing logics for problem solving
	Business Analytics using MS Excel Lab	CSC P26	2018-2019	Implementing various Excel functions for business analytics
	Data Management with SQL Programming Lab	CSC P27	2018-2019	Database creation & working
	Object Oriented Programming using JAVA	CSCT31	2016-2017	Implementing OOP concepts
	Object Oriented Programming using JAVA Lab	CSCP31	2016-2017	Implementing OOP concepts and designing Java API
	Python	CSCT41B	2019-2020	Implementing OOP with Python
	Python Lab	CSCP41B	2019-2020	Implementing Python concepts
	Software Engineering	CSC T51	2017-2018	Understanding software engineering concepts.
	Database Management Systems	CSC T52	2017-2018	Database creation & working
	Software Engineering Lab	CSC P51A	2017-2018	Implementing various use cases
	Database Management Systems Lab	CSC P52	2017-2018	Database creation & working
	Foundation of Data Science	CSCT66	2019-2020	Applying algorithms for processing data
	Introduction to Machine Learning	CSCT69	2019-2020	Understanding machine learning concepts
	Introduction to Artificial Intelligence	CSCT612	2019-2020	Understanding AI concepts
	Data Science Lab	CSCP64	2019-2020	Implementing data processing techniques
	Computer Application - Project Work	CSCPW610	2018-2019	Developing applications for any domain
	Relational Data Base Management System	CSCT611	2019-2020	Understanding data bases and their working
	Operating Systems	CSCTEL61	2017-2018	Understanding OS concepts

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	Web Technologies	CSCTEL62	2017-2018	Understanding web architecture and web technologies
	Computer Networks	CSCTEL63	2017-2018	Understanding various network protocols
	Operating Systems Lab	CSCPEL61	2017-2018	Implementing Scheduling algorithms
	Web Technologies Lab	CSCPEL62	2017-2018	Designing dynamic web pages.
	Computer Networks Lab	CSCPEL63	2017-2018	Implementing various network protocols
	Fundamentals of Data Science	CSCTCL 61	2017-2018	Applying algorithms for processing data
	Big Data Technology	CSCTCL 62	2017-2018	Applying big data analytics
	Fundamentals of Data Science Lab	CSCPCL61	2017-2018	Implementing data processing algorithms
	Big Data Technology Lab	CSCPCL62	2017-2018	Implementing big data analytics
	Cloud Computing	CSCTCL 63	2017-2018	Understanding cloud concepts and applications
	Grid Computing	CSCTCL 64	2017-2018	Understanding grid computing concepts
	Cloud Computing Lab	CSCPCL63	2017-2018	Implementing cloud applications
	Grid Computing Lab	CSCPCL64	2017-2018	Implementing grid applications
	Mobile Computing	CSCTCL 65	2017-2018	Understanding mobile computing concepts
	Mobile Application Development	CSCTCL 66	2017-2018	Developing mobile applications
	Mobile Computing Lab	CSCPCL65	2017-2018	Implementing mobile computing concepts
	Mobile Application Development Lab	CSCPCL66	2017-2018	Developing mobile applications
	Computer Science- Project Work	CSC PWCL63	2017-2018	Developing an application for any domain
	OBJECT ORIENTED PROGRAMMING USI	CSH T31	2017-2018	Implementing OOP concepts using Java
	DATABASE MANAGEMENT SYSTEMS	CSH T32	2017-2018	Database creation & working
	OBJECT ORIENTED PROGRAMMING USI	CSH P31	2017-2018	Designing various applications using Java API
	DATABASE MANAGEMENT SYSTEMS LA	CSH P32	2017-2018	Database creation & working
	PYTHON	CSHT41A	2019-2020	Implementing OOP using Python
	ADVANCED JAVA	CSHT42	2017-2018	Network basics and working with database connectivity and frames.
	PYTHON LAB	CSHP41A	2019-2020	Implementing Python concepts
	ADVANCED JAVA LAB	CSHP42	2017-2018	Designing applications for JDBC, Frames, etc
	OPERATING SYSTEMS	CSHT51	2018-2019	Understanding OS concepts
	WEB DESIGNING	CSHT52	2018-2019	Development of Web pages
	COMPUTER NETWORKS	CSHT52A	2020-2021	Understanding network concept and protocols
	SOFTWARE ENGINEERING	CSHT53	2018-2019	Understanding software engineering concepts.
	OPERATING SYSTEMS LAB	CSH P51	2018-2019	Designing applications for demonstrating Scheduling techniques
	COMPUTER NETWORKS LAB	CSH P52A	2020-2021	Implementing various network protocols
	SOFTWARE TESTING	CSH T61	2018-2019	Understand various domains, bugs and discuss various software testing issues
	FOUNDATION OF DATA SCIENCE	CSH T62	2018-2019	Applying algorithms for processing data
	BIG DATA TECHNOLOGY	CSHT63	2018-2019	Understanding big data analytics concepts
	INFORMATION SECURITY	CSH T64	2018-2019	Understanding protocols for providing information security
	SOFTWARE TESTING LAB	CSH P61	2018-2019	Implementing bug testing using various tools
	DATA SCIENCE LAB	CSH P62	2018-2019	Implementing algorithms for processing data
	BIG DATA LAB	CSH P63	2018-2019	Implementing big data analytics
	PROJECT WORK	CSH PW 64	2018-2019	Developing an application for any domain
	BIG DATA TECHNOLOGY	CSCTEL61	2018-2019	Implementing data analysis
	Cyber Crimes and Cyber Security	CSCTEL62	2018-2019	Understanding cyber crimes and cyber security concepts using case studies
	Cloud Computing	CSCTEL63	2018-2019	Understanding cloud concepts and applications
	Artificial Intelligence	CSCTEL64	2018-2019	Understanding AI concepts
	Enterprise Resource Planning	CABT22	2016-2017	Centralized Database, Integration and Allocation of resources
	Office Automation Tools	CABT23	2016-2017	Knowledge on recent trends in IT
	Office Automation Tools Lab	CABP22	2016-2017	Useful for work environment
	Digital Imaging	CABT41A	2017-2018	Different Image segmentation
	Digital Imaging Lab	CABP41	2017-2018	Implementing Image segmentation
	E-Commerce	CABT51	2017-2018	Business Model, Electronic Payment System Mode, Developing Static Web pages
	Web Technology	CABT52	2017-2018	Webpage designing
	Programming in C	CABT53	2018-2019	Structured Programming skills
	Web Technology Lab	CABP51	2017-2018	Webpage designing
	Programming in C Lab	CABP52	2018-2019	Programming Exercises
	Database Management Systems	CABT61	2017-2018	Database creation & working
	PHP and My SQL	CABT62	2017-2018	Scripting & Dynamic Webpage designing
	PHP and My SQL Lab	CABP63	2017-2018	Scripting & Dynamic Webpage Exercises

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ECONOMICS	Micro Economics - Consumer Behaviour	ECOT11	2016-17	Skill Development :With the help of the skills of microeconomics, the students can get job as project manager in different projects of government and private companies.
	Business Economics-I	ECOT12A	2016-17	entrepreneurship : With the help skills of business economics, students can improve their skills to run businesses
	Micro Economics- Production and Price Theory	ECOT21	2016-17	Skill Development : With the help of the skills of microeconomics, the students can get job as project manager in different projects of government and private companies.
	Business Economics-II	ECOT22A	2016-17	Entrepreneurship :With the help skills of business economics, students can improve their skills to run businesses
	Macro Economics-National Income, Employment and Money	ECOT31A	2019-20	employability : With the help of the knowledge of macroeconomics, the students can get employed in government organizations like NNSO,CSO and different statistical offices at state level.
	Managerial Economics	ECOT01	2017-18	The knowledge of managerial economics is helpful o students to get jobs as a managers in different public and private companies
	Economics Analysis	ECOT18	2017-18	Skill Development : The knowledge of economic analysis makes the students to become as economic analysts, financial analysts, etc. in the market.
	Macro Economics-Banking and International Trade	ECOT41A	2019-20	employability : With the help of the knowledge of macroeconomics, the students can get a job as financial advisor in government and private companies, as a financial expert in a government and private bank and also in stock market.
	Economic Development and Indian Economy	ECOT51	2017-18	employability : The knowledge of economic development and indian economy, gives analytical skills, in the theories of economic development, and is also useful to become as an economist.
	Indian and Andhra Pradesh Economy	ECOT52	2017-18	employability : With the knowledge of Indian and Andhra Pradesh Economy, the students will be employed by UPSC and APPSC, etc.
	Financial Markets and Institutions	ECO TEL61	2017-18	employability : The knowledge of financial markets helps the student to understand the financial system of the country, and also to get jobs in financial institutions
	Agricultural Economics	ECO TEL62	2017-18	employability : Studying Agricultural Economics helps in landing a job in agriculture and allied activities, i.e., in the primary sector of the Indian Economy.
	Small Business Development	ECO TEL63	2017-18	employability : The knowledge of entrepreneurship and small business development makes the students to establish their own startups.
	Agribusiness Environment in Andhra Pradesh	ECO TCL61	2017-18	employability : The knowledge of agribusiness in Andhra Pradesh is helpful to students to understand the agribusiness environment and also to get jobs in the agribusiness sector.
	Agricultural Output Marketing	ECO TCL62	2017-18	employability : The knowledge of agricultural Output marketing in Andhra Pradesh is helpful to students to understand the agribusiness environment and also to get jobs in the agribusiness sector.
	Stock Market Operations	ECO TCL63	2017-18	employability : The knowledge of stock market operations, is helpful in venturing into the stock markets, and being employed by stock brokerage firms.
	Securities Market	ECO TCL64	2017-18	employability : The knowledge of securities market operations, is helpful in venturing into the stock markets, and being employed by stock brokerage firms.
	Industrial Economics	ECO TCL65	2017-18	employability : Industrial Economics give the skills in Industrial Economics, and also is helpful to get a job in MSME
	Labour Economics	ECO TCL66	2017-18	employability : Labour Economics is useful to understand the labour problems and to get a job in industries as a labour officer

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	Economics-Project Wrok	ECOPWCL63	2017-18	employability & skill development Project work helps in developing a research aptitude in the student, and would be useful as the first step to become a researcher in economics.
ELETRONICS	Basic Circuit Theory	ELET11A	2016-17	Employability :Circuit theory studies electrical networks, components, and their interconnections mathematically
	Circuit Theory Lab	ELEP11A	2016-17	Skill development : lab explores practical applications of electrical components and circuits.
	Electronic Devices & Circuits	ELET21A	2016-17	Employability: Electronic devices and circuits study semiconductor components and their applications in electronics
	Electronic Devices & Circuits Lab	ELEP21A	2016-17	Skill development : Electronic devices and circuits lab explores hands-on applications of semiconductor devices and circuits.
	Digital Electronics	ELET31	2016-17	Employability: Digital electronics studies binary signals, logic gates, and digital circuit design principles.
	Digital Electronics Lab	ELEP31	2016-17	Skill development :Digital electronics lab focuses on designing, testing, and analyzing digital circuits and systems.
	Analog and Digital IC Application	ELET41	2016-17	Employability : Analog and digital IC application explores integrated circuit design and functionality in practical electronic devices.
	Analog and Digital IC Application Lab	ELEP41	2016-17	Skill development :Analog and digital IC application lab experiments with integrated circuits' practical implementation.
	Analog and Digital Communications	ELE T51	2017-18	Employability :Analog and digital communications involve transmitting and processing continuous and discrete signals.
	Microprocessor Systems	ELE T52	2017-18	Employability :Microprocessor systems study design, programming, and applications of computer processors in electronics.
	Analog and Digital Communications Lab	ELE P51	2017-18	Skill development :Analog and digital communications lab experiments with signal processing and transmission techniques.
	Microprocessor Systems Lab	ELE P52	2017-18	Skill development :Microprocessor systems lab explores practical programming and interfacing with computer processors.
	Microcontroller and Interfacing	ELETEL61	2017-18	Employability :Microcontroller and interfacing involves programming and connecting microcontrollers with external devices efficiently
	Power Electronics	ELETEL62	2017-18	Employability :Power electronics involves converting and controlling electrical power efficiently using semiconductor devices.
	Microcontroller and Interfacing Lab	ELEPEL61	2017-18	Skill development :Microcontroller and interfacing lab focuses on programming and connecting microcontrollers with external components for practical applications.
	Power Electronics Lab	ELEPEL62	2017-18	Skill development :Power electronics lab explores designing, testing, and analyzing circuits for efficient power management.
	Embedded Systems Design	ELE TCL61A	2017-18	Employability :Embedded systems design integrates hardware and software for specialized computing applications efficiently
	Electronic Instrumentation	ELE TCL62	2017-18	Employability: Electronic instrumentation involves measuring, recording, and analyzing electrical signals accurately using specialized devices.
	Embedded Systems Lab	ELE PCL61A	2017-18	Skill development :Embedded systems design lab focuses on developing and testing software-hardware interfaces for practical applications.
	Electronic Instrumentation Lab	ELE PCL62	2017-18	Skill development :Electronic instrumentation lab focuses on hands-on practice with measuring and analyzing electrical signals accurately
	Computer Networks	ELE TCL63	2017-18	Employability :Computer networks involve interconnected devices for communication and resource sharing efficiently
	PC maintenance and Trouble shooting	ELE TCL64	2017-18	Employability :PC maintenance and troubleshooting involve diagnosing and fixing hardware and software issues efficiently
	Computer Networks Lab	ELE PCL63	2017-18	Skill development : lab involves configuring, testing, and troubleshooting network setups and protocols effectively.

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	PC maintenance and Trouble shooting Lab	ELE PCL64	2017-18	Skill development :PC maintenance and troubleshooting lab practices diagnosing and repairing hardware and software issues effectively
	Electronics- Project Work	ELE PWCL63	2017-18	Skill development :Electronics project work entails designing, building, and presenting innovative electronic solutions
ENGLISH	ENGLISH PRAXIS - I	ENGT11B	2020-21	Employability & Skill Development :Use grammar effectively in writing and speaking. Demonstrate the use of good vocabulary. Demonstrate an understanding of writing skills. Acquire ability to use Soft Skills in professional and daily life. Confidently use the tools of communication skills. Activity conducted: Work Book
	ENGLISH PRAXIS - II	ENGT21B	2020-21	This course is enriching the students reading, writing and learning abilities so that they can pursue their personal, academic and career goals through the acquisition and improvement of English language skills. Activity conducted: JAM
	ENGLISH PRAXIS-III	ENGT01A	2020-21	This course enables the students to learn the art of skill of conversation through speeches, autobiography and interviews of World famous personalities. Activity conducted: Dialogue conversation
	BUSINESS ENGLISH-I	ENGT15	2020-21	This course facilitates the learner to develop its nature, types, barriers to communication, principles of letter writing, quotations, orders and tenders, claim and adjustment letters. Activity conducted: Assignment
	BUSINESS ENGLISH-II	ENGT25	2020-21	This course facilitates the learner to develop the skills in writing sales, circular, credit and collection letters, writing business and technical reports by understanding the basics of structure and planning of report writing. Activity conducted: Report writing
	BUSINESS ENGLISH-III	ENGT02	2020-21	This course guides the learner in writing inter office memorandum, press release, fax, agenda and minutes, application for jobs, employment interview and group discussions, and preparing the students ready for industry. Activity conducted: workbook
	BUSINESS ENGLISH-I	ENGT15A	2021-22	This Course enhances the basic understanding and learning of good oral communication to enhance student personalities. In workplace, softskills are considered to complement their hard skills, which refer to person's knowledge and occupational skills. Activity conducted: Letter writing
	INDIAN CULTURE AND SCIENCE	LSCT16	2020-21	Assignments, Group discussions, Quiz etc 2. Invited Lecture by a local expert 3. Visit to a scientific institutions, local heritage sites, museums, industries etc Activity conducted: case studies
	HUMAN VALUES AND PROFESSIONAL ETHIC	LSCT06	2020-21	Visit to an Old Age Home and spending with the inmates for a day. 2. Conduct of Group Discussions on the topics related to the syllabus. 3. Participation in community service activities. 4. Working with a NGO like Rotary Club or Lions International, etc.
	ENRICHING COMMUNICATION SKILLS	SDCENGTO2	2021-22	Collection of various model business letters 2. Invited lecture/field level training by a local expert 3. Reading of various business reports and minutes and its analysis 4. Presentations of reports, charts etc. 5. Assignments, Group discussion, field visit etc. Activity conducted: Role play
	COMMUNICATION SKILLS FOR EMPLOYABILITY	SDCENGTO4	2021-22	Understand and produce the basic grammatical rules and structures of English in advanced level sentences using tenses, articles, prepositions, parts of speech etc. Providing students with vocabulary items like cono cottons, anthonym, synonyms, one word substitutes related to specific areas of life. Activity conducted: Grammar practice from online sources.

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	COMMUNICATION SKILLS FOR EMPLOYABILITY	SDCENGT05	2021-22	Developing the students' oral expression skills in specific in more sophisticated (situations) communicational situations. Training students to speak on more advanced topics so as to participate in debates, group discussions, interviews and public speaking. Activity conducted: Essay writing
	Campus to Corporate Transition	ENGSET01	2022-23	This course guides the learner in writing inter office memorandum, press release, fax, agenda and minutes, application for jobs, employment interview and group discussions, and preparing the students ready for industry. Activity conducted: seminars
PHYSICS	Mechanics and Properties of Matter	PHYT11A		Employability: The fundamental principles of classical mechanics help to develop solid and systematic problems solving skills and to lay the foundation for further studies in Physics
	Mechanics and Properties of Matter Lab	PHYP11A		Skill development: Develop experimental methods for characterizing material and component behaviour
	Waves and Oscillations	PHYT21A		Employability: Helps to understand the behaviour of oscillating systems ,wave generation and propagation
	Waves and Oscillations Lab	PHYP21A		Skill development: Use mathematical formulism to become proficient in the solution of analytical and numerical problems in vibratory and wave phenomena
	Wave Optics	PHYT31		Employability: By understanding the nature of light and its propagation and interaction with matter which is essential to constantly emerging newest technologies.
	Wave Optics Lab	PHYP31		Skill development: Provide hands-on experience in optics
	Thermodynamics and Radiation Physics	PHYT41		Employability: Determine thermodynamic properties of real Substances
	Thermodynamics and Radiation Physics Lab	PHYP41		Skill development: Problem-solving technique that can be used as a model in solving engineering problems
	Electricity, Magnetism and Electronics	PHY T51		Skill development: Able to relate the concepts of electricity ,magnetism and electronics to real time situations
	Modern Physics	PHY T52		Employability : understanding of physical concepts and theories of modern physics.
	Modern Physics Lab	PHY P52		Skill development: demonstrate a working knowledge of physics-related technical and laboratory skills including data analysis.
	Analog and Digital Electronics	PHY TEL61		Employability ; basics of digital electronics
	Materials Science	PHY TEL62		Employability & Skill development: attaining knowledge of materials and their science & Engineering
	Analog and Digital Electronics Lab	PHY PEL61		Skill development:To develop skill to build, and troubleshoot digital circuits.
	Materials Science Lab	PHY PEL62		Skill development: understanding of the scientific method and process.
PHYSICS	Introduction to Microprocessors and Microcontroller	PHY TCL61		Employability & Skill development: understand architecture, Programming and system design used in various day to day gadgets
	Computational Methods and Programming	PHY TCL62		Employability & Skill development: It helps in developing programming skills
PHYSICS	Electronic Instrumentation	PHY TCL63		Employability & Skill development: understanding about instrumentation concepts which can be applied to Control systems.
PHYSICS	Introduction to Microprocessors and Microcontroller	PHY PCL61		Skill development: It helps in developing programming skills
PHYSICS	Computational Methods and Programming-Lab	PHY PCL62		Skill development: lab expo
PHYSICS	Electronic Instrumentation- Lab	PHY PCL63		Skill development: Develop skills to become professional technician with capability to measure electrical parameters using various instruments.
PHYSICS	Fundamentals of Nanoscience	PHY TCL64		Employability in teaching/Medical Industry/IT and Research
PHYSICS	Renewable Energy	PHY TCL65		Employability & Skill development: Knowledge about the resources of Hydro Energy , Biomass , Geothermal Energy and many more
PHYSICS	Computational Methods and Programming	PHY TCL66		Skill development: soft ware expo

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PHYSICS	Fundamentals of Nanoscience Lab	PHY PCL64		lab expo
PHYSICS	Renewable Energy Lab	PHY PCL65		Skill development: As a Skill developer in Plants & analysis of energy
PHYSICS	Computational Methods and Programming Lab	PHY PCL66		Skill development: Developing skill in physical quantities
	Descriptive Statistics & Probability	STAT11A	2019-20	Descriptive statistics involves summarizing and organizing data in a meaningful way. It provides a snapshot of the data, highlighting key characteristics like central tendency (mean, median, mode) and variability (range, variance, standard deviation). Probability is a measure of the likelihood of an event occurring. It ranges from 0 (impossible) to 1 (certain). Probability is used to make predictions and understand uncertainty in various contexts.
	Diagrams, graphs,& Descriptive statistics Lab	STAP11A	2019-20	Descriptive statistics and probability theory have numerous applications in various fields, including: Business: Analyzing sales data, market trends, and customer behavior. Science: Conducting experiments, analyzing research data, and making inferences. Finance: Evaluating investment risks, pricing financial instruments, and managing portfolios. Healthcare: Studying disease prevalence, analyzing medical outcomes, and developing treatment plans. Social Sciences: Conducting surveys, analyzing demographic data, and studying social phenomena.
	Descriptive Statistics for Business Analytics	STA T12	2017-18	Descriptive statistics can provide valuable insights into business analytics activities that impact employability and entrepreneurship. By analyzing measures such as mean, median, and mode of relevant data, you can identify trends and patterns in areas like job market demand, entrepreneurial success rates, and skill gaps. Standard deviation can help assess the variability and spread of data, indicating the consistency or inconsistency of factors affecting employability and entrepreneurship. Additionally, visualization techniques like histograms and box plots can effectively communicate these statistical findings, making them accessible to a wider audience.
	Random Variable and Discrete Probability Distribution	STAT21A	2019-20	Random Variable: A numerical value assigned to each outcome of a random experiment. For example, the number of job offers received by a graduate. Discrete Probability Distribution: A function that assigns probabilities to each value of a discrete random variable. For example, the probability of receiving 0, 1, 2, or more job offers. Employability/Entrepreneurship Context: Random variables could include the number of successful business ventures, the amount of funding raised, or the number of customers acquired. Discrete probability distributions would describe the likelihood of these outcomes occurring.
	Discrete Probability Distributions: Lab	STAP22A	2019-20	Idea generation: Using statistical methods to analyze market trends, customer needs, and technological advancements to identify potential business opportunities. Risk assessment: Quantifying the potential risks and rewards associated with new ventures. Business planning: Developing data-driven business plans based on market research, financial projections, and competitive analysis.

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	Quantitative Methods for Managers	STAT22	2017-18	<p>Descriptive statistics: Summarizing and describing data sets to understand key characteristics.</p> <p>Inferential statistics: Making inferences about a population based on a sample of data.</p> <p>Regression analysis: Modeling relationships between variables to predict outcomes.</p> <p>Time series analysis: Analyzing data collected over time to identify trends and patterns.</p> <p>Hypothesis testing: Evaluating the validity of research hypotheses using statistical tests.</p>
	Statistical Methods and their Applications	STAT23	2016-17	<p>Job Market Analysis: Identify trends in job demand and supply. Analyze salary distributions to assess earning potential. Evaluate the effectiveness of job search strategies.</p> <p>Entrepreneurial Decision-Making: Analyze market trends and customer preferences. Assess the profitability of business ventures. Evaluate the effectiveness of marketing campaigns. Forecast sales and revenue.</p> <p>Human Resource Management: Analyze employee satisfaction and turnover rates. Identify performance trends and identify areas for improvement. Evaluate the effectiveness of training programs.</p> <p>Financial Analysis: Assess financial performance and risk. Identify investment opportunities. Evaluate the profitability of different business models.</p>
	Business Statistics	STAT24	2017-18	<p>Market Research: Understanding customer preferences, market trends, and competitor behavior.</p> <p>Financial Analysis: Evaluating financial performance, risk management, and investment decisions.</p> <p>Operations Management: Optimizing processes, inventory control, and quality control.</p> <p>Human Resources: Analyzing employee performance, recruitment strategies, and compensation packages.</p> <p>Entrepreneurship: Developing business plans, assessing market feasibility, and making strategic decisions.</p>
	Inferential Statistics for Business Analytics	STA T25	2017-18	<p>Make data-driven decisions: Identify trends, patterns, and relationships in data to inform strategic choices.</p> <p>Improve decision-making: Reduce uncertainty and risk by relying on evidence-based insights.</p> <p>Enhance problem-solving: Develop analytical skills to tackle complex challenges and find innovative solutions.</p> <p>Increase your market value: Demonstrate your ability to leverage data to drive business success.</p> <p>Start your own business: Use data analysis to identify market opportunities, assess risks, and optimize operations.</p>

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	Statistical Methods & Theory of Estimation	STAT31	2017-18	<p>Customer Segmentation: Statistical methods can help you divide your target market into distinct segments based on demographics, preferences, and behaviors, allowing you to tailor your products or services to specific groups.</p> <p>Demand Forecasting: By analyzing historical data and trends, you can predict future demand for your products or services, enabling effective inventory management and resource allocation.</p> <p>Risk Assessment: Statistical models can be employed to quantify risks associated with various business ventures, helping you make informed decisions about investments and resource allocation.</p> <p>Financial Forecasting: By analyzing historical financial data, you can predict future financial performance, such as revenue, expenses, and profitability.</p> <p>Statistical Process Control (SPC): SPC techniques can be used to monitor and control manufacturing processes, ensuring consistent quality and reducing defects.</p>
	Statistical Methods Lab	STAP31	2017-18	<p>Data Mining Techniques: Explore clustering, association rule mining, and classification algorithms.</p> <p>Machine Learning Models: Build predictive models using techniques like decision trees, random forests, and neural networks.</p> <p>Applications: Customer segmentation and targeting. Fraud detection and risk assessment. Developing recommendation systems.</p> <p>6. Statistical Software and Tools:</p> <p>Excel's Statistical Functions: Leverage built-in functions like AVERAGE, STDEV, CORREL, and T.TEST.</p> <p>Data Analysis ToolPak: Use add-in for advanced statistical analysis (regression, ANOVA, hypothesis testing).</p>
	Statistical Methods and Theory of Probability	STA T33	2016-17	<p>Data Mining: Discover hidden patterns and insights in large datasets.</p> <p>Machine Learning: Develop algorithms to learn from data and make predictions.</p> <p>Product Development: Use data analytics to inform product design and development decisions.</p> <p>Performance Analysis: Evaluate employee performance and identify areas for improvement.</p> <p>Employee Satisfaction: Measure employee satisfaction and identify factors affecting morale.</p> <p>Recruitment and Selection: Use statistical methods to assess candidate suitability.</p>
	Statisticala Data Analysis Using MS EXCEL-I	STA P32	2016-17	<p>Job Search: Analyze job market trends to identify in-demand skills.</p> <p>Compare salary data for different industries and job titles.</p> <p>Evaluate the effectiveness of your job search strategies.</p> <p>Entrepreneurship: Analyze market data to identify business opportunities.</p> <p>Forecast sales and revenue.</p> <p>Evaluate the financial performance of your business.</p> <p>Optimize pricing strategies.</p> <p>Data-Driven Decision Making: Use statistical analysis to make informed decisions in various aspects of your career or business.</p> <p>Identify patterns, trends, and relationships in data.</p> <p>Quantify the impact of your actions.</p>

NAME OF THE DEPARTMENT	TITLE OF THE PAPER	COURSE CODE	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	Statistical Data Analysis using SPSS Lab	STA P33	2017-18	<p>Creating Frequency Tables and Histograms: Visualize the distribution of data to understand its characteristics.</p> <p>Calculating Descriptive Statistics: Calculate measures of central tendency (mean, median, mode) and dispersion (standard deviation, variance).</p> <p>Performing Hypothesis Testing: Test hypotheses about population parameters using t-tests, ANOVA, and chi-square tests.</p> <p>Conducting Correlation Analysis: Measure the strength and direction of relationships between variables.</p> <p>Regression Analysis: Predict the value of one variable based on the values of other variables.</p> <p>Factor Analysis: Reduce the dimensionality of data by identifying underlying factors.</p>
	Predictive Analytics	STA T34	2017-18	<p>b) Market Forecasting:</p> <p>Predicting job trends: Identify emerging job roles and skills based on economic indicators, industry trends, and technological advancements.</p> <p>Assessing career paths: Analyze personal skills, interests, and educational qualifications to predict potential career trajectories.</p> <p>Talent Acquisition and Retention:</p> <p>Employee churn prediction: Identify factors contributing to employee turnover to implement retention strategies.</p> <p>Candidate screening: Evaluate candidate suitability based on their skills, experience, and cultural fit.</p> <p>Entrepreneurial Success Prediction:</p> <p>Market analysis: Forecast market demand, competition, and economic conditions to assess entrepreneurial opportunities.</p> <p>Business model validation: Evaluate the viability of business models based on market data and customer behavior.</p> <p>Customer Behavior Analysis:</p> <p>Customer segmentation: Identify customer segments with distinct needs and preferences to</p>
	Statistical Data Analysis using R-Programming Lab	STA P34	2017-18	<p>Data Collection: Gather relevant data from various sources, including internal databases, public datasets, and surveys.</p> <p>Data Cleaning and Preparation: Clean and preprocess data to ensure accuracy and consistency.</p> <p>Feature Selection: Identify the most relevant features that contribute significantly to the prediction task.</p> <p>Model Building: Choose appropriate regression models (e.g., linear, logistic, or nonlinear) based on the nature of the data and prediction problem.</p> <p>Model Evaluation: Assess the model's performance using metrics like accuracy, precision, recall, and F1-score.</p> <p>Deployment and Monitoring: Deploy the model in a production environment and continuously monitor its performance to ensure its effectiveness.</p>

NAME OF THE DEPARTMENT	TITLE OF THE PAPER	COURSE CODE	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	Testing of Hypothesis	STAT41	2017-18	<p>Hypothesis: A strong entrepreneurial mindset, characterized by innovation, risk-taking, and problem-solving, is a predictor of entrepreneurial success.</p> <p>Testing: Analyze the success rates of entrepreneurs who exhibit a strong entrepreneurial mindset compared to those who do not.</p> <p>Hypothesis: Access to funding and resources is a critical factor in the success of entrepreneurial ventures.</p> <p>Testing: Compare the survival rates and growth rates of entrepreneurs who have access to adequate funding and resources versus those who do not.</p> <p>Hypothesis: A strong network of mentors and advisors can significantly improve the chances of entrepreneurial success.</p> <p>Testing: Examine the performance of entrepreneurs who have access to a strong network of mentors and advisors compared to those who do not.</p> <p>Hypothesis: A deep understanding of the target market and customer needs is essential for launching a successful entrepreneurial venture.</p>
	Parametric & Non- Parametric Tests Lab	STAP41	2017-18	<p>Hypothesis: Individuals with a strong digital literacy will have higher job prospects and earning potential.</p> <p>Testing: Conduct a survey to compare the employment rates and salaries of individuals with high and low digital literacy skills.</p> <p>Hypothesis: Continuous learning and skill development will enhance employability and career advancement.</p> <p>Testing: Analyze the career trajectories of individuals who actively engage in lifelong learning compared to those who do not.</p> <p>Hypothesis: Effective communication skills, both written and verbal, are essential for securing employment and succeeding in the workplace.</p> <p>Testing: Examine the job satisfaction and career progression of individuals with strong communication skills versus those with weak communication skills.</p> <p>Hypothesis: A positive attitude and resilience are key factors in overcoming challenges and achieving career success.</p> <p>Testing: Study the career outcomes of individuals who demonstrate a positive outlook and resilience compared to those who do not.</p>
	Statistical techniques for Business Analytics	STAT43	2015-16	<p>Hypothesis Testing: Test hypotheses about population parameters based on sample data.</p> <p>Confidence Intervals: Estimate population parameters with a certain degree of confidence. Applications:</p> <p>Customer Segmentation: Identify distinct groups of customers based on their characteristics.</p> <p>Product Analysis: Analyze sales data to identify best-selling products and understand customer preferences.</p> <p>Market Research: Summarize survey results and draw conclusions about consumer opinions.</p>
	Probability Distributions	STAT44	2016-17	<p>Probability: The measure of the likelihood of an event occurring.</p> <p>Continuous Distribution: A probability distribution where the random variable can take any value within a specified range.</p> <p>Univariate: Dealing with a single variable.</p> <p>Exact Sampling Distribution: The probability distribution of a statistic calculated from a sample.</p>

NAME OF THE DEPARTMENT	TITLE OF THE PAPER	COURSE CODE	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	Applied Statistics	STA T45	2017-18	<p>Statistical Process Control (SPC): Use statistical tools to monitor and control manufacturing processes.</p> <p>Six Sigma: Implement a data-driven approach to improve quality and reduce defects.</p> <p>Lean Six Sigma: Combine lean manufacturing principles with Six Sigma to eliminate waste and improve efficiency.</p> <p>Data Analysis and Interpretation: Practice analyzing real-world datasets using statistical software (e.g., R, Python, Excel) to extract meaningful insights.</p> <p>Index Number Calculation: Calculate various index numbers (e.g., Laspeyres, Paasche, Fisher) to measure price changes and analyze market trends.</p> <p>Experimental Design: Develop experimental plans, including factorial designs, randomized block designs, and Latin square designs, to address specific research questions.</p> <p>Hypothesis Testing: Conduct hypothesis tests to determine if observed differences between groups or conditions are statistically significant.</p> <p>Regression Analysis: Use regression models to analyze relationships between variables and make predictions.</p> <p>Time Series Analysis: Apply time series forecasting techniques (e.g., ARIMA, exponential smoothing).</p>
	Statistical Data Analysis Using MS EXCEL-II	STAP42	2016-17	<p>Data-Driven Decision Making: The ability to analyze probability distributions and fit curves to data is essential for making informed business decisions based on data.</p> <p>Risk Assessment: Understanding probability distributions helps in assessing risks and uncertainties in various business scenarios.</p> <p>Predictive Modeling: Curve fitting techniques can be used to predict future trends and outcomes, aiding in planning and forecasting.</p> <p>Statistical Analysis: Proficiency in statistical analysis using Excel demonstrates valuable skills for various job roles, including data analysts, market researchers, financial analysts, and entrepreneurs.</p>
	Designs of Sample Surveys	STAT51	2017-18	<p>Simple Random Sampling: Every individual in the target population has an equal chance of being selected.</p> <p>Stratified Sampling: The population is divided into subgroups (strata), and a random sample is selected from each stratum.</p> <p>Cluster Sampling: The population is divided into clusters (groups), and a random sample of clusters is selected.</p> <p>Convenience Sampling: Selecting individuals who are easily accessible or willing to participate.</p>
	Linear Programming Techniques	STAT52	2017-18	<p>To effectively apply linear programming techniques in your career or entrepreneurial endeavors, you'll need to develop the following skills and knowledge:</p> <p>Mathematical modeling: The ability to formulate real-world problems as linear programming models.</p> <p>Problem-solving: The capacity to analyze complex problems and identify optimal solutions.</p> <p>Software proficiency: Familiarity with specialized software (e.g., Excel Solver, MATLAB, Python libraries) for solving linear programming problems.</p> <p>Data analysis: The skill to collect, analyze, and interpret relevant data.</p>

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	Designs of Sample Surveys Lab	STAP51	2017-18	<p>Demographic information: Age, gender, education level, location</p> <p>Employment status: Currently employed, unemployed, seeking employment</p> <p>Job satisfaction: Level of satisfaction with current job (if applicable)</p> <p>Barriers to employment: Perceived obstacles to finding a job</p> <p>Entrepreneurial aspirations: Interest in starting a business</p> <p>Entrepreneurial skills: Perceived level of entrepreneurial skills</p> <p>Support for entrepreneurs: Availability of resources and support for entrepreneurs</p>
	Statistical Data Analysis using SPSS and Operations Research-I	STAP52	2017-18	<p>Production Planning:</p> <p>Optimizing resource allocation: Determining the optimal mix of products to maximize profit while minimizing costs.</p> <p>Scheduling production: Creating efficient schedules to meet demand and minimize idle time.</p> <p>Transportation and Logistics:</p> <p>Minimizing transportation costs: Finding the most efficient routes to transport goods from suppliers to customers.</p> <p>Network optimization: Analyzing transportation networks to identify bottlenecks and improve efficiency.</p> <p>Portfolio Optimization:</p> <p>Maximizing returns: Selecting the optimal mix of investments to achieve the highest possible return for a given level of risk.</p> <p>Managing risk: Balancing risk and return to create a diversified portfolio.</p> <p>Resource Allocation:</p> <p>Allocating limited resources: Determining how to allocate scarce resources (e.g., labor, materials) to maximize output or profit</p>
	Statistical Inference	STA T53	2016-17	<p>Statistical inference can be employed to analyze activities related to employability and entrepreneurship. Large sample tests are suitable for analyzing data from a large group of individuals, while non-parametric tests are useful when assumptions about data distribution cannot be met. For instance, a t-test might be used to compare the mean salaries of graduates from different universities, while a Mann-Whitney U test could be used to compare the entrepreneurial intentions of individuals from different socio-economic backgrounds.</p>
	Statistical Inference Lab	STA P53	2016-17	<p>Skill Assessment: Evaluating the effectiveness of training programs by comparing pre- and post-test scores using paired t-tests or Wilcoxon signed-rank tests.</p> <p>Job Satisfaction: Analyzing factors influencing employee satisfaction through surveys and using nonparametric tests like the Mann-Whitney U test to compare different groups.</p> <p>Entrepreneurial Success: Investigating the factors contributing to entrepreneurial success by analyzing various variables using regression analysis or nonparametric tests.</p> <p>Market Research: Understanding consumer preferences and behaviors using surveys and statistical analysis techniques to inform business decisions.</p> <p>Performance Evaluation: Assessing the performance of employees or businesses using metrics and statistical tests to identify areas for improvement.</p>

NAME OF THE DEPARTMENT	TITLE OF THE PAPER	COURSE CODE	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
STATISTICS	Sampling Methods	STAT54	2019-20	<p>Evaluating the effectiveness of a job training program: Stratified sampling can be used to ensure that the sample includes individuals from different demographic groups.</p> <p>Assessing the entrepreneurial aspirations of university students: Convenience sampling can be used to survey students who are easily accessible, such as those in business or economics classes.</p> <p>Studying the challenges faced by small business owners: Purposive sampling can be used to select businesses in specific industries or regions.</p>
	Sampling Methods Lab	STAP54	2019-20	<p>Drawing names from a hat or using random number generators to select participants from a list of all individuals in the population. Dividing the population into subgroups based on relevant characteristics (e.g., age, gender, industry) and then randomly selecting samples from each subgroup. Grouping the population into clusters (e.g., schools, neighborhoods) and then randomly selecting clusters to study.</p>
	Operations Research	STAT55	2019-20	<p>Linear Programming (LPP) Application: Resource allocation, production planning, transportation, portfolio optimization.</p> <p>Transportation Problem Application: Logistics, supply chain management, distribution planning.</p> <p>Assignment Problem Application: Job assignment, workforce scheduling, machine allocation.</p> <p>Sequencing Problem Application: Scheduling tasks, production planning, project management.</p> <p>Replacement Problem Application: Asset management, equipment replacement, capital budgeting.</p>
	Statistical Data Analysis using SPSS and Operations Research Lab-I	STAP55	2019-20	<p>Job Search: Understanding OR can help you stand out in interviews by demonstrating your ability to solve complex problems and make data-driven decisions.</p> <p>Entrepreneurship: OR can be invaluable for optimizing business operations, managing resources effectively, and making strategic decisions.</p> <p>Consulting: OR consultants are in high demand to help organizations improve efficiency and profitability.</p> <p>Project Management: OR techniques can be used to schedule tasks, allocate resources, and track progress effectively.</p> <p>Supply Chain Management: OR can help optimize supply chain networks, reduce costs, and improve customer service.</p>
	Applied Operations Research	STA T56	2017-18	<p>Job Roles: Operations research analysts, supply chain managers, logistics coordinators, project managers, industrial engineers.</p> <p>Entrepreneurship: Decision-making: OR techniques can help entrepreneurs make informed decisions about resource allocation, pricing, production planning, and risk management.</p> <p>Optimization: OR can be used to optimize business processes, improve efficiency, and reduce costs.</p> <p>Competitive Advantage: By applying OR techniques, entrepreneurs can gain a competitive edge by making data-driven decisions and optimizing their operations.</p>

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	Operations Research	STAT61	2016-17	<p>Entrepreneurial Applications: Resource Allocation: Optimizing resource allocation for startups.</p> <p>Supply Chain Optimization: Designing efficient supply chains for new products or services.</p> <p>Pricing Strategies: Determining optimal pricing to maximize revenue.</p> <p>Risk Management: Assessing and mitigating risks in business ventures.</p>
	Statistical Data Analysis using SPSS and Operations Research-II	STAP61	2016-17	<p>Project Management: Creating PERT/CPM networks to plan and schedule projects.</p> <p>Network Design: Designing communication networks (e.g., telecommunications, transportation).</p> <p>Critical Path Analysis: Identifying critical activities that impact project completion time.</p> <p>Activities:</p> <p>Creating network diagrams (e.g., directed graphs).</p> <p>Calculating critical path and project duration.</p> <p>Analyzing the impact of changes in activity durations.</p>
	Experimental Research Designs	STAT62	2017-18	<p>Design an experiment to test the effectiveness of a new fertilizer on crop yield. Analyze a dataset using ANOVA to determine if there are significant differences in customer satisfaction ratings among three different product brands. Conduct a market research study to assess consumer preferences for different package designs. Optimize the production process for a manufacturing company. Develop a business plan for a new product or service.</p>
	Advanced Operations Research Models	STAT63	2017-18	<p>Competitive Pricing: Determine optimal pricing strategies for products or services in competitive markets.</p> <p>Negotiation Strategies: Develop effective negotiation tactics for business deals and partnerships.</p> <p>Demand Forecasting: Predict future demand for products or services to optimize inventory levels.</p> <p>Supply Chain Optimization: Improve the efficiency of the entire supply chain, from procurement to distribution.</p> <p>Project Management: Plan and manage complex projects effectively, optimizing resource allocation and timelines.</p> <p>Critical Path Analysis: Identify critical activities that impact project completion time and allocate resources accordingly.</p> <p>Service System Design: Optimize the design of service systems, such as call centers or hospitals, to minimize wait times and improve customer satisfaction.</p> <p>Resource Allocation: Determine the optimal number of servers or resources needed to meet demand and avoid bottlenecks.</p>
	Actuarial Statistics	STAT64	2017-18	
	Experimental Research Designs Lab	STAP62	2017-18	<p>Testing Product Efficacy: Use ANOVA to compare the effectiveness of different product prototypes or formulations.</p> <p>Consumer Preference Studies: Design experiments to determine consumer preferences for various product features or packaging options.</p> <p>Improving Manufacturing Efficiency: Use experimental designs to identify optimal process parameters (e.g., temperature, pressure, time) to maximize productivity and minimize waste.</p> <p>Quality Control: Implement statistical process control (SPC) using ANOVA to monitor process variability and identify sources of defects.</p>

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	Statistical Data Analysis using SPSS and Operations Research Lab-II	STAP63	2017-18	<p>Improved Decision-Making: Advanced operations research techniques provide data-driven insights to support informed decision-making.</p> <p>Increased Efficiency: Optimizing operations can lead to significant cost savings and improved productivity.</p> <p>Enhanced Competitiveness: By understanding and applying advanced techniques, businesses can gain a competitive edge in the marketplace.</p> <p>Career Advancement: Proficiency in advanced operations research can open up opportunities in various industries, including consulting, finance, logistics, and technology.</p> <p>Entrepreneurship: These skills can be invaluable for entrepreneurs seeking to start and manage successful businesses.</p>
	Computations Using R-Programming	STAP64	2017-18	
	Operations Research	STATEL61	2017-18	<p>Linear Programming (LPP)</p> <ul style="list-style-type: none"> Application: Resource allocation, production planning, transportation, portfolio optimization, and more. <p>Sequencing and Scheduling</p> <ul style="list-style-type: none"> Application: Job shop scheduling, project management, machine scheduling, and appointment scheduling. <p>Transportation and Distribution</p> <ul style="list-style-type: none"> Application: Network design, vehicle routing, inventory management, and supply chain optimization. <p>Replacement and Renewal</p> <ul style="list-style-type: none"> Application: Asset management, equipment replacement, and capital budgeting.
	Applied Statistics	STATEL62	2017-18	<p>Index Numbers</p> <ol style="list-style-type: none"> Inflation Analysis: <ul style="list-style-type: none"> Activity: Calculate the Consumer Price Index (CPI) for a specific region or time period using real-world data. Stock Market Analysis: <ul style="list-style-type: none"> Activity: Track the performance of various stock indices (e.g., Dow Jones, NASDAQ, Nifty 50) and calculate their percentage changes over different time periods. Economic Indicators: <ul style="list-style-type: none"> Activity: Research and calculate economic indicators like GDP, unemployment rate, and industrial production index. <p>Vital Statistics</p> <ol style="list-style-type: none"> Population Demographics: <ul style="list-style-type: none"> Activity: Analyze population data (age, gender, education level, income) for a specific region or country. Health Indicators: <ul style="list-style-type: none"> Activity: Calculate health indicators like infant mortality rate, life expectancy, and disease prevalence. Social Indicators: <ul style="list-style-type: none"> Activity: Analyze social indicators like crime rates, literacy rates, and poverty levels.

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	Actuarial Statistics	STATEL63	2017-18	<ul style="list-style-type: none"> • Use actuarial modeling techniques to determine appropriate premium rates based on risk assessment and expected claim costs • Create statistical models to quantify the probability and severity of different risks. • Implement risk management strategies: Develop strategies to mitigate risks and minimize potential losses, such as reinsurance, diversification, and risk retention • Project revenue and expenses: Estimate the expected revenue from premium income and the anticipated expenses, including claims payouts, operating costs, and taxes. • Understand regulatory requirements: Ensure compliance with all applicable insurance regulations, including solvency standards, reporting requirements, and consumer protection laws. • Obtain necessary licenses and approvals: Secure the required licenses and permits to operate an insurance business in the target jurisdiction.
	Statistical Data Analysis using SPSS and OperationsResearch Lab-II	STAPEL61	2017-18	<p>Manufacturing: Production planning, inventory management, quality control Logistics: Transportation, warehousing, distribution Finance: Portfolio optimization, risk management Healthcare: Patient scheduling, resource allocation Project Management: Task scheduling, resource allocation Entrepreneurship: Business planning, resource allocation, decision-making</p>
	Applied Statistics	STAPEL62	2017-18	<p>Business Planning: Use statistical analysis to forecast demand, identify target markets, and evaluate the financial feasibility of business ventures. Market Research: Analyze consumer behavior, preferences, and trends to develop effective marketing strategies. Financial Analysis: Evaluate investment performance, assess risk, and make informed financial decisions. Human Resource Management: Analyze employee data to identify recruitment needs, assess training effectiveness, and evaluate employee satisfaction. Quality Control: Use statistical methods to monitor product quality, identify defects, and improve manufacturing processes.</p>
	Actuarial Statistics	STAPEL63	2017-18	<p>Entrepreneurship: These activities are essential for launching a successful insurance business. By conducting thorough market research, developing sound risk models, and ensuring financial feasibility, entrepreneurs can increase their chances of success. Employability: Actuaries with expertise in these areas are highly sought after in the insurance industry. Understanding the practical application of actuarial statistics can enhance employability and career prospects.</p>

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	Hybrid Operations Research Models	STATCL61	2017-18	<ul style="list-style-type: none"> Combine linear programming for optimizing transportation costs with simulation for demand forecasting and inventory management. Integer programming for resource allocation decisions and queuing theory for modeling patient arrivals and waiting times. Combine mean-variance optimization for risk-return trade-off with scenario analysis for considering different economic conditions Use mixed-integer programming for scheduling power plants and linear programming for optimizing energy distribution. Combine clustering analysis for customer segmentation with data mining techniques for identifying patterns and trends. Combine critical path method for project scheduling with linear programming for resource allocation.
	Stochastic Operations Research Models	STATCL62	2017-18	<p>Determine optimal pricing strategies for products or services in competitive markets.</p> <ul style="list-style-type: none"> Analyze the timing and conditions for entering or exiting a market. Model the interactions between suppliers and manufacturers to optimize supply chain efficiency Analyze the impact of pricing and contract terms on supply chain performance. Evaluate investment opportunities based on risk and return considerations. Capacity Planning: Determine the optimal capacity of service systems to meet demand. Layout and Staffing: Design efficient layouts and staffing levels to minimize waiting times. Queue Management: Implement strategies to manage queues and reduce customer frustration.
	Time Series	STATCL63	2017-18	<ul style="list-style-type: none"> Use actuarial modeling techniques to determine appropriate premium rates based on risk assessment and expected claim costs Create statistical models to quantify the probability and severity of different risks. Implement risk management strategies: Develop strategies to mitigate risks and minimize potential losses, such as reinsurance, diversification, and risk retention Project revenue and expenses: Estimate the expected revenue from premium income and the anticipated expenses, including claims payouts, operating costs, and taxes. Understand regulatory requirements: Ensure compliance with all applicable insurance regulations, including solvency standards, reporting requirements, and consumer protection laws. Obtain necessary licenses and approvals: Secure the required licenses and permits to operate an insurance business in the target jurisdiction.

NAME OF THE DEPARTMENT	TITLE OF THE PAPER	COURSE CODE	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	Quality & Reliability	STATCL64	2017-18	<ul style="list-style-type: none"> • Process Mapping: Create visual representations of your processes to identify bottlenecks, inefficiencies, and potential quality issues. • Inspection and Testing: Develop inspection checklists and testing procedures to ensure products and services meet quality standards. • Data Collection and Analysis: Use statistical tools to analyze data, identify trends, and make data-driven decisions. • Root Cause Analysis: Investigate quality problems to determine their underlying causes and implement corrective actions. • Continuous Improvement: Implement methods like Six Sigma or Lean to identify and eliminate waste, reduce defects, and improve overall quality. • Failure Analysis: Examine failed components or systems to determine the root causes of failures and prevent them from recurring. • Reliability Testing: Conduct tests to assess the reliability of products or systems under various conditions. • Reliability Prediction: Use statistical models to estimate the expected reliability of a product or system. • Maintainability Analysis: Evaluate the ease of maintenance and repair of a product or system. • Risk Assessment: Identify potential risks and develop mitigation strategies to ensure reliability.
	Design of experiments	STATCL65	2017-18	<ul style="list-style-type: none"> • Risk Management: Assess the potential impact of missing data on business decisions and develop contingency plans. • Innovation: Leverage the missing plot technique to identify new opportunities and develop innovative solutions to challenges. • Decision-Making: Make informed business decisions based on data analysis, even when information is incomplete. • Problem-Solving: Develop strategies to handle missing data and extract valuable insights from incomplete information. • Data Analysis: Gain proficiency in statistical methods for analyzing data with missing values. • Critical Thinking: Evaluate the impact of missing data on research conclusions and make informed decisions. • Adaptability: Learn to adapt research plans and methodologies in the face of unexpected challenges.
	Statistical Quality Control	STATCL66	2017-18	<ul style="list-style-type: none"> • Variable Charts • Mean and Range Charts: Monitor the average and variability of a process over time to detect shifts or trends that could indicate quality problems. This can help prevent defects and reduce rework costs. • Standard Deviation Charts: Analyze the spread of data around the mean to identify inconsistencies in the process. This can help identify root causes of quality issues and implement corrective actions. • Attribute Charts • p-Charts: Monitor the proportion of defective items in a sample to assess process stability. This can help identify trends in defect rates and implement corrective actions. • np-Charts: Monitor the number of defective items in a sample to assess process stability. This can be useful for processes with large sample sizes. • c-Charts: Monitor the number of defects per unit to assess process stability. This is useful for processes with multiple defects per unit. • u-Charts: Monitor the average number of defects per unit to assess process stability. This is useful for processes with varying sample sizes. • Acceptance Sampling Plans • Single, Double, and Multiple Sampling Plans: Develop plans to determine whether a lot of products meets specified quality standards based on a sample inspection. This can help reduce inspection costs and ensure product quality.

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	Hybrid Operations Research Models Lab	STA PCL61	2017-18	<ul style="list-style-type: none"> Develop a project management plan for a software development project, optimizing resource allocation and minimizing project duration. Develop a customer segmentation model for a marketing team, identifying target markets and developing personalized marketing campaigns Design an energy management system for a smart grid, optimizing power generation and distribution to reduce costs and emissions. Design a patient scheduling system for a hospital, minimizing waiting times and maximizing resource utilization Develop a supply chain network design for a startup e-commerce company, optimizing warehouse locations and transportation routes. Develop an investment portfolio strategy for a venture capital firm, considering risk tolerance and expected returns.
	Stochastic Operations Research Models Lab	STA PCL62	2017-18	<ul style="list-style-type: none"> Call Routing: Optimize call routing algorithms to minimize wait times and improve customer satisfaction. Performance Measurement: Track key performance indicators (KPIs) to assess call center efficiency. Emergency Room Management: Improve patient flow and reduce wait times in emergency rooms. Resource Allocation: Allocate resources effectively among different healthcare services. Inventory Management: Optimize inventory levels to balance costs and customer service. Transportation and Distribution: Improve transportation and distribution networks to minimize delivery times and costs.
	Time Series	STA PCL63	2017-18	<p>Entrepreneurship: These activities are essential for launching a successful insurance business. By conducting thorough market research, developing sound risk models, and ensuring financial feasibility, entrepreneurs can increase their chances of success.</p> <p>Employability: Actuaries with expertise in these areas are highly sought after in the insurance industry. Understanding the practical application of actuarial statistics can enhance employability and career prospects.</p>
	Quality & Reliability	STA PCL64	2017-18	<p>Quality Control in Manufacturing: Implement quality control measures to ensure products meet customer specifications and industry standards.</p> <p>Quality Assurance in Services: Develop quality assurance processes to deliver high-quality services to customers.</p> <p>Entrepreneurial Ventures: Apply quality and reliability principles to build a successful business by ensuring product or service quality and customer satisfaction.</p> <p>Job Search: Demonstrate your knowledge of quality and reliability concepts during job interviews and in your resume.</p> <p>Problem-Solving: Use quality and reliability tools to solve problems effectively and efficiently in various settings.</p>

NAME OF THE DEPARTMENT	TITLE OF THE PAPER	COURSE CODE	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	Design of experiments	STA PCL65	2017-18	<p>Agricultural Research:</p> <ul style="list-style-type: none"> • Crop Yield Analysis: Evaluate the impact of different fertilizers, irrigation methods, or planting densities on crop yield, even when some experimental plots are lost due to unforeseen circumstances. • Pest Control Effectiveness: Assess the efficacy of various pest control strategies by analyzing data from plots where pests have caused damage, while accounting for missing data. <p>Manufacturing and Quality Control:</p> <ul style="list-style-type: none"> • Product Testing: Analyze the performance of products under different conditions, such as temperature, humidity, or stress, even when some test units are damaged or malfunction. • Process Optimization: Identify optimal process parameters (e.g., temperature, pressure, time) for maximizing product quality and yield, while considering missing data points. <p>Entrepreneurship and Business:</p> <ul style="list-style-type: none"> • Market Research: Analyze survey or market data with missing responses, to draw conclusions about consumer preferences, market trends, and potential business opportunities. • Customer Satisfaction Analysis: Evaluate customer feedback and identify areas for improvement, even when some responses are incomplete or missing
	Statistical Quality Control	STA PCL66	2017-18	<p>Manufacturing: Use SQC to improve product quality, reduce defects, and increase customer satisfaction.</p> <p>Service Industries: Apply SQC principles to monitor service quality, identify areas for improvement, and enhance customer satisfaction.</p> <p>Healthcare: Use SQC to improve patient outcomes, reduce medical errors, and ensure compliance with quality standards.</p> <p>Entrepreneurship: Use SQC to develop high-quality products or services, differentiate your business from competitors, and build a strong reputation.</p>
	STAPWCL63	Statistics-Project Work	2017-18	PROJECT WORK
	Physical & General Chemistry	CHE711	2015-16	Employability :To understand the basics of chemistry
	Qualitative Inorganic Analysis Lab-I	CHEP11	2015-16	Employability, Skill:To know the reactions of anions and cations in a simple salt
	Inorganic & Organic Chemistry-I	CHE721	2015-16	Employability:To known the elements in the s & p blocks and gain the knoledge of hydrocarbons
	Qualitative Inorganic Analysis Lab-II	CHEP21	2015-16	Employability, Skill:To know the reactions of anions and cations in mixture
	Inorganic & Organic Chemistry-II	CHE731	2015-16	Employability :To understand the general characteristics of d&f block ,know the general methods of organic compounds
	Titrimetric Analysis and Orgaanic functional Group Reactions lab	CHEP31	2015-16	Employability, Skill :To gain the knowledge of functional groups of organic compounds
	Spectroscopy and Physical Chemistry	CHE741	2015-16	Employability :To know the general principles involved spectroscopic methods
	Physical Chemistry and IR Spectral Analysis Lab	CHEP41	2015-16	Employability, Skill:To understand IR spectral analysis of different organic compounds
	Inorganic, Organic and Physical Chemistry-I	CHE751	2017-18	Employability:To know the basic knowledge of complex compounds nitro hydro carbons and thermodynamics
	Inorganic, Organic and Physical Chemistry-II	CHE752	2017-18	Employability:To gain the knowledge of complex compounds, aminom acids ,carbohydrates and heterocyclic compounds
	Organic Chemistry Lab	CHEP51	2017-18	Employability, Skill:To gain the knowledge of identification of organic compounds
	Physical Chemistry Lab	CHEP52	2017-18	Employability, Skill:To gain the knowledge of physical properties of organic solvents
	Analytical Methods in Chemistry	CHE TEL61	2017-18	Employability: Apply different qualitative & Quantitative method of analysis
	Environmental Chemistry	CHE TEL62	2017-18	Employability:To know the concepts of eco systems
	Green Chemistry	CHETEL63	2017-18	Employability:To gain the knowledge and need of green chemistry
	Analytical Methods in Chemistry Lab	CHE PEL61	2017-18	Employability, Skill:To gain the knowledge on characterization of organic compounds
	Environmental Chemistry Lab	CHE PEL62	2017-18	Employability, Skill:To know the scope and importance of environmental chemistry

NAME OF THE DEPARTMENT	TITLE OF THE PAPER	COURSE CODE	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
CHEMISTRY	Polymer Chemistry	CHE TCL61	2017-18	Understanding the classification of Polymers and importance of polymers
	Instrumental Methods of Analysis	CHE TCL62	2017-18	Employability :To understand the importance of analytical methods treatment of analytical data ,error analysis used in research and industry
	Analysis of Drugs, Foods, Dairy Products and Biochemical Analysis	CHE TCL63	2017-18	Employability :To know the general characteristics of the analytical methods used in drugs ,foods and dairy products
	Organic Synthesis Lab	CHE PCL61	2017-18	Skill,Employability :To gain the knowledge on organic synthesis
	Green Chemistry Lab	CHE PCL62	2017-18	Skill,Employability :To gain the knowledge on green
	Fuel chemistry and batteries	CHE TCL64	2017-18	Employability :To know the fractional distillation of petroleum products
	Inorganic materials of industrial importance	CHE TCL65	2017-18	Employability :To know the different types of fertilisers
	Analysis of applied industrial products	CHE TCL66	2017-18	Employability :To know saponification of oils and industrial solvents
	Practical -VIII(B1)	CHE PCL64	2017-18	Skill,Employability :Apply different qualitative & Quantitative method of analysis
	Practical -VIII(B2)	CHE PCL65	2017-18	Skill,Employability :To gain knowledge on Pharmaceutical preparations by using conventional methods
	Organic spectroscopic techniques	CHE TCL67	2017-18	Employability :To know the general aspects of spectroscopy
	Advanced organic reactions	CHE TCL68	2017-18	Employability :To acquire the knowledge of new synthetic reactions
	Pharmaceutical and medicinal chemistry	CHE TCL69	2017-18	Employability :To gain the knowledge of pharmaceutical and medicinal chemistry
	Practical -VIII(C1)	CHE PCL67	2017-18	Skill,Employability :To gain the knowledge of physical properties of organic solvents
	Practical -VIII(C2)	CHE PCL68	2017-18	Skill,Employability :analyze a process and identify how it may be made more environmentally friendly/sustainable/green
	Project Work	CHE PWCL63	2017-18	Skill,Employability and Entrepreneurship :Students will acquire collaborative skills through working in teams to analysis of drugs using HPLC instrument to achieve the project goals
MATHS	Analytical Skills	AEC 007	2016-17	Skilldevelopment :This course enhances the basic understanding and learning of arithmetic ability, quantitative ability, logical reasoning and speed maths etc., It forms an important part of almost all placements like INFOSYS, WIPRO, TCS, COGNIZANT, HCL, HEXAWARE etc.,
	Differential Equations	MATT11A	2016-17	Skilldevelopment : It helps to solve problems in real life situations.
	Elementary Mathematics	MATT14A	2017-18	Skilldevelopment : Assignment on finding and solving problems with the use of matrices and integration, differentiation.
	Business Mathematics	MATT12A	2017-18	Skilldevelopment : Assignment on finding and solving problems with the use of matrices, progressions, set theory and financial mathematics.
	Three Dimensional Geometry	MATT21A	2016-17	Skilldevelopment : It develops the skill to solve the problems on planes, lines, spheres, cones and cylinders.
	Abstract Algebra	MATT26	2019-20	Skilldevelopment : Assignment on abstract concept of groups, subgroups and cyclic, permutation groups
	Abstract Algebra	MATT31	2016-17	Skilldevelopment : Assignment on abstract concept of groups, subgroups and cyclic, permutation groups
	Discrete Mathematics-I	MATT33	2015-16	Skilldevelopment : Seminar on lattices and boolean algebra.
	Real Analysis	MATT41	2016-17	Skilldevelopment : Seminar on concepts of limits, Continuity, differentiation and mean value theorems.
	Discrete Mathematics-II	MATT43	2015-16	Skilldevelopment : Seminar on different types of graphs and its applications.
	Ring Theory and Vector Calculus	MATT51	2017-18	Skilldevelopment : Assignment on abstract concept of Rings, subrings and homomorphisms and it develops the skill to solve problems on gauss, green and stokes theorems.
	Linear Algebra	MATT52	2017-18	Skilldevelopment : It helps to develop skills on different applications of matrix theory.

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	Numerical Analysis	MAT TEL61	2017-18	Skilldevelopment :Assignment on solving problems by finite element method.
	Number Theory and Partial Differential Equations	MAT TEL62	2019-2000	Skilldevelopment :Problem solving skill is developed by using number theory.
	Laplace Transforms and its Applications	MAT TCL61	2017-18	Skilldevelopment :It helps to solve problems in real life situations.
	Fourier Series and Fourier Transforms	MAT TCL62	2017-18	Skilldevelopment :It develops the skills to solve wave equations and heat equations.
	Advanced Numerical Analysis	MAT TCL63	2017-18	Skilldevelopment :Assignment on solving problems by finite element method.
	Discrete Mathematics	MAT TCL64	2017-18	Skilldevelopment :Applications to real life problems.
	Graph Theory	MAT TCL65	2017-18	Skilldevelopment :Seminar and different types of graphs and its applications.
	Special Functions	MATTCL66	2017-18	Skilldevelopment :Assignment on solving problems of indefinite integrals.
	Numerical Analysis	MATT62	2019-2000	Skilldevelopment :Assignment on solving problems by finite element method.
	Matrix Computation and Discrete Mathematics	MATT63	2019-2000	Skilldevelopment :Applications to real life problems.
	Graph Theory	MATT64	2019-2000	Skilldevelopment :Seminar and different types of graphs and its applications.
	Biology of Invertebrates Lab	ZOOP11	2017-18	Skill Development: An invertebrate refers to any of the animals lacking a vertebral column. The term invertebrate came from the latin.
	Biology of Chordates Lab	ZOOP21	2017-18	Skill Development: In addition to the skeletal system, vertebrates have many other complex organ systems including a closed circulatory system.
	Biomolecules, Genetics, Organic Evolution and Animal Behaviour	ZOOT31	2017-18	Skill Development: Genetics can help us to understand why people look the way they do and why some people are more prone to certain diseases than others.
	Biomolecules, Genetics, Organic Evolution and Animal Behaviour Lab	ZOOP31	2017-18	Skill Development: The biochemical genetic laboratory is concerned with the evaluation and diagnosis of patients and families with inherited metabolic disease.
	Embryology, Animal Physiology and Ecology	ZOOT41	2018-19	Skill Development: Embryology is the discipline concerned with the study of embryogenesis.
	Embryology, Animal Physiology and Ecology Lab	ZOOP41	2018-19	Skill Development: Who are new to either fertility treatment or egg freezing for fertility preservation.
	Animal Biotechnology	ZOOT51A	2017-18	Skill Development: It has been used to produce genetically modified animals that synthesize therapeutics proteins, have improved growth rates.
	Animal Husbandry	ZOOT52	2017-18	employability and Entrepreneurship: The future growth has to come from employability and Entrepreneurship: improvements in technology and service delivery systems leading to accelerated productivity, processing and marketing.
	Animal Biotechnology Lab	ZOOP51A	2017-18	Biotechnology uses a variety of techniques are gene cloning and the polymerase chain reaction
	Animal Husbandry	ZOOP52	2017-18	employability and Entrepreneurship: Animal care technicians are responsible for caring for animals in the clinical or research setting. Animal care technicians' duty may include maintaining animal records, cleaning cages and other equipment
	Immunology	ZOO TEL61	2018-19	skill development: Immunology includes all physical, chemical and biological reactions of the organism against the foreign substances.
	Cellular metabolism and molecular biology	ZOO TEL62	2018-19	skill development: Molecular biology is the field of biology that studies the composition, structure and interactions of cellular molecules.
	Immunology Lab	ZOO PEL61	2018-19	skill development: The scope of immunology laboratory like generation of antibody, isolation and purification of antibody, immunoblotting and ELISA reader.
	Cellular metabolism and molecular biology-Lab	ZOO PEL62	2018-19	skill development: A molecular biologist needs analytical, communication, problem solving and critical thinking skills.
	Principles of Aquaculture	ZOO TCL61	2018-19	Entrepreneurship: Successful aquaculture takes into consideration the biology of the aquatic species such as feeding, water flow and temperature needs.

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ZOOLOGY	Aquaculture Management	ZOO TCL62	2018-19	Entrepreneurship: Aquaculture has significant potential in helping provide a healthy and sustainable protein source for future populations.
	Post-Harvest Technology	ZOO TCL63	2018-19	Entrepreneurship: The need for proper handling and process of fish is important both for the fishing industry and for the consumers.
	Principles of Aquaculture Lab	ZOO PCL61	2018-19	skill development: Fishmeal is a fisheries derived product that is used as a protein source in the diet of farmed animals, including farmed aquatic animals.
	Aquaculture Management Lab	ZOO PCL62	2018-19	skill development: Freshwater aquaculture is carried out either in fish ponds. Fish pens, fish cages or on a limited scale, in rice paddies.
	Post-Harvest Technology Lab	ZOO PCL63	2018-19	skill development: Postharvest technology is interdisciplinary science and technique applied to agricultural produce after harvests.
	Clinical biochemistry	ZOO TCL64	2018-19	Entrepreneurship: Clinical biochemistry is the devision of laboratory medicine that deals with the measurement of chemicals in blood, urine and other body fluids.
	Haematology	ZOO TCL65	2018-19	skill development: Hematologists and hematopathologists are highly trained healthcare providers who specialize in diseases of the blood and blood components
	Clinical microbiology	ZOO TCL66	2018-19	skill development: In the future, there will be a need for more rapid diagnoses, increased standardization of testing and greater adaptability to cope with new therets from infectious microorganisms.
	Haematology -Lab	ZOO PCL65	2018-19	skill development: Haematology tests include laboratory assessments of blood formation and blood disorders.
	Clinical microbiology- Lab	ZOO PCL66	2018-19	skill development: It is focuses on all aspects of patient infections from testing samples to identifying bacterial, viral, fungal and parasitic agents.
	General sericulture, mulberry cultivation and management	ZOO TCL67	2018-19	Entrepreneurship: Sericulture provides gainful employment, economic development and improvement in the quality of life to the people in rural areas.
	Biology of mulberry silk worm and silkworm rearing technology	ZOO TCL68	2018-19	Entrepreneurship: Rearing of silkworm to produce raw silk is called sericulture. In this process, silk worms are rared at appropriated temparature.
	Silk technology, silk marketing and extension	ZOO TCL69	2018-19	Entrepreneurship: Mulberry currently represents the biggest segment. Despite being the worlds second largest producer of silk, the demand of silk outpaces its supply in india.
	General sericulture, mulberry cultivation and management- Lab	ZOO PCL67	2018-19	Entrepreneurship: Cultivation and harvesting of mulberry plants is called moriculture, mulberry speaces grown in temparate, tropical and subtropical regions.
	Silk technology, silk marketing and extension- Lab	ZOO PCL69	2018-19	skill development: This lab activity combines silk technology, marketing, and extension to provide a well-rounded learning experience. It's designed to be engaging and informative for students of various age groups.
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	MGTT15	Management Process	2016-17	Skill development : This course builds theoretical base required for understanding the Principles and Practices of Management function.
	MGTT22A	Accounting for Managers	2020-21	Skill Development & Employability : This course instills skill and domain knowledge necessary for preparing final accounts of a business concern, thus contributes to better employability.
	MGTT25	Business Environment	2016-17	Skill Development : This course builds theoretical base required for understanding the dynamics of Business Environment.
	LSCT04	ENTERPRENEURSHIP DEVELOPMENT	2020-21	This course enhances the basic understanding and learning of Interpersonal skills, Organizational behaviour, Emotional intelligence and aspects of good Conflict management and occupational strategies etc.,
	LSCT11	PERSONALITY ENHANCEMENT AND LEADERSHIP	2020-21	Assignments, Group discussions, Quiz etc 2. Invited Lecture by a local expert 3. Case Studies (ex., on students behavior, local leaders etc.)
	LSCT09	NATIONAL CADET CROPS-I	2020-21	NCC Cadets holding 'C' cert and taken part in Republic Day Parade New Delhi will now be exempted from CEE for Rect into Sol Clk/Skt/Sol Tech and Sol NA and will be awarded 100% marks in lieu of CEE. Such candidates have to pass PFT, PMT and undergo med exam to get enrolled. Names of NCC cadets attending RD parade will be fwd to Rtg Dte by this HQ.
	SDCGT01	DISASTER MANAGEMENT	2021-22	1. Invite lectures by local experts 2. Training on preparedness, post disaster services 3. Analysis of Case studies 4. Visit to a disaster management office and facility 5. Assignments, Group discussion, quiz etc.
	SDCMGTT01	ONLINE BUSINESS	2021-22	Skill Development and Employability : 1. Assignments, Group discussion, Quiz etc. 2. Short practical training in computer lab 3. Identifying online business firms through internet 4. Invited Lectures by e-commerce operators 5. Working with Google and HTML advertisements. 6. Visit to a local online business firm.

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	SDCMGTT03	SURVEY AND REPORTING	2021-22	Skill Development : 1. Invited Lecture/Training by a Local Expert 2. Collection and study of questionnaires 3. Preparation of sample questionnaire and conduct a live sample survey 4. Preparation of a sample Report 5. Assisting a real time field survey and report writing 6. Assignments, Group discussion, Quiz etc.
	SDCMGTP05	TALLY	2021-22	Skill Development & Employability: Tally is the integral part of any organisation to manage accounting details. This easy computerized accounting course covers various aspects of accounting like taxation, inventory and pay roll etc.
	SDCMGTP07	FINANCIAL ANALYTICS LAB	2021-22	Skill Development & Employability: Analyse the company data with Company's Financial Data
	MGTT15	Management Process	2016-17	Skill Development : This course builds theoretical base required for understanding the Principles and Practices of Management function.
	MGTT22A	Accounting for Managers	2016-17	Skill Development & Employability : This course instills skill and domain knowledge necessary for preparing final accounts of a business concern, thus contributes to better employability.
	MGTT25	Business Environment	2016-17	Skill Development : This course builds theoretical base required for understanding the dynamics of Business Environment.
	MGTT32	HUMAN RESOURCE MANAGEMENT	2017-18	Skill Development : This course builds fundamental base required for understanding the managerial and operative functions of Human Resource Management.
	MGTT33	ORGANIZATIONAL BEHAVIOUR	2017-18	Skill Development : This course develops essential knowledge pertaining to individual, group and company level dimensions of organizational behaviour and its bearing on employees' productivity.
	MGTT34	MARKETING MANAGEMENT	2017-18	Skill Development : This course instills domain knowledge required for understanding the major functions that constitute Marketing Management.
	MGTT37	BUSINESS LAWS	2019-20	Skill Development : This course provides basic insight into various tools and techniques fundamentally used for Business Analytics purpose.

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BBA GENERAL	MGTT41B	PROJECT EVALUATION AND MANAGEMENT	2017-18	Skill Development : This course builds the functional base required for executing Capital Budgeting and other basic functions that constitute Finance function, thus increases the rate of employability.
	MGTT43A	BUSINESS STRATEGY	2017-18	Skill Development : This course imparts conceptual understanding on the composition of as well as enforcement of Corporate Governance framework in India.
	MGTT44	OPERATIONS MANAGEMENT	2017-18	Skill Development : This course develops essential knowledge pertaining to various production systems, plant layouts and major functions that constitute the Operations Management and Control Systems.
	MGTT45	BUSINESS RESEARCH METHODS	2018-19	Companies that understand precisely what their customers need do an excellent job of fostering customer satisfaction and retention. The value of retention is unmatched, considering boosting customer retention rates by just 5% increases profits anywhere from 25% to 95%, according to Bain & Company.
	MGTT17	Marketing Management	2017-18	Skill Development : This course instills domain knowledge required for understanding the major functions that constitute Marketing Management.
	MGTT311	BUSINESS RESEARCH METHODS	2021-22	Programming Language , helps in determinin and data analysis
	MGTT311A	BUSINESS RESEARCH METHODS	2021-22	Lab Experiments using python and data
	SDCMGTP05	Tally	2021-22	Skill Development & Employability : Tally is the integral part of any organisation to manage accounting details. This easy computerized accounting course covers various aspects of accounting like taxation, inventory and pay roll etc.
	MGTIAP6	Internship in Management	2022-23	Skill Development : This course provides basic understanding of research methodologies and enables doing quality research in future.
	MGTT32	HUMAN RESOURCE MANAGEMENT	2022-23	Skill Development : This course builds fundamental base required for understanding the managerial and operative functions of Human Resource Management.
	MGTT33	ORGANIZATIONAL BEHAVIOUR	2022-23	Skill Development : This course develops essential knowledge pertaining to individual, group and company level dimensions of organizational behaviour and its bearing on employees' productivity.

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	MGTT34	MARKETING MANAGEMENT	2022-23	Skill Development : This course instills domain knowledge required for understanding the major functions that constitute Marketing Management.
	MGTT37	BUSINESS LAWS	2022-23	Skill Development : This course lays theoretical base required for understanding various laws that govern Business activities in India.
	MGTT41B	PROJECT EVALUATION AND MANAGEMENT	2022-23	Skill Development : This course provides fundamental idea on life cycle of a Project and the intricacies involved in Project evaluation and Management
	MGTT43A	BUSINESS STRATEGY	2022-23	Skill Development : This course imparts exposure to the related issues and challenges to be dealt with pertinent to Business analysis, Strategy formulation, implementation and Management.
	MGTT44	OPERATIONS MANAGEMENT	2022-23	Skill Development : This course develops essential knowledge pertaining to various production systems, plant layouts and major functions that constitute the Operations Management and Control Systems.
	MGTT45	BUSINESS RESEARCH METHODS	2022-23	Skill Development : This course builds basic skill required for conducting basic research investigation and generate a Research Report.
	MGTSET01	Marketing Management	2022-23	Skill Development : This Elective course provides background understanding on how to manage a Retail Stores as well as major responsibilities and operations of Stores Management.
	MGTSET02	Warehouse Management	2022-23	Skill Development : This Elective course provides basic knowledge on how to set up a Warehouse Management System, major warehousing operations and contemporary practices for effective management of the same.
	MGTSET03	Purchase Management	2022-23	Skill Development : This Elective course builds the theoretical base required for appreciating the major functions that constitute Purchase Management and how to build long lasting Buyer-Supplier relationships.
	MGTSET04	Logistics & Supply Chain Management	2022-23	Skill Development : This Elective course provides background understanding on how to manage a Retail Stores logistics and supply chain to avoid stock out situation.

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	MGTSET05	Brand Management	2022-23	Skill Development : This Elective course imparts essential understanding on various aspects of brand management and the intricacies involved in effective brand management
	MGTSET06	Customer Relationship Management	2022-23	Skill Development : This Elective course imparts knowledge on various basic concepts of Customer Relationship Management and various challenging issues to be dealt with by a Customer Relationship Manager.
	MGTSET07	Strategic HRM	2022-23	Skill Development : This course imparts exposure to the related issues and challenges to be dealt with pertinent to Strategy formulation, implementation and Management of Human Resources.
	MGTSET08	Compensation Management	2022-23	Skill Development : This Elective course imparts essential understanding on various aspects of Compensation management and the intricacies involved in effective Compensation management
	MGTSET09	Industrial Relations	2022-23	Skill Development : This Elective course gives basic understanding on the factors that promote cordial Industrial Relations and constructive means of dealing with Industrial Disputes.
	MGTSET10	Global HRM	2022-23	Skill Development : This Elective course imparts knowledge on various basic concepts of Global Human Resource Management and various challenging issues to be dealt with by a Global HR Manager.
	MGTSET11	Talent Management	2022-23	Skill Development : This Elective course enables the learner realize the significance of Talent Management in enhancing the effectiveness of Organizations.
	MGTSET12	Training & Development	2022-23	Skill Development : This Elective course builds fundamental base required for understanding various aspects pertaining to planning and effective execution of different Training & Development Programmes in Business Organizations.
	MGTSET13	Cost Accounting	2022-23	Skill Development : Familiarize the students with cost concepts and enable them handle Cost Accounting problems

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	MGTSET14	Taxation	2022-23	Skill Development : This course builds the functional base required for computation of Income tax liability on an individual and a firm, thus increases the rate of employability.
	MGTSET15	Management Accounting	2022-23	Skill Development : Enable students to have thorough knowledge on the management accounting techniques in business decision making
	MGTSET16	Investment Management	2022-23	Skill Development : This Elective course builds the functional base required for computation of risk and return pertaining to Securities Market, Valuation of Securities and Fundamental analysis of economy and industries.
	MGTSET17	Financial Management	2022-23	Skill Development : This course builds the functional base required for executing Capital Budgeting and other basic functions that constitute Finance function, thus increases the rate of employability.
	MGTSET18	Financial Services	2022-23	Skill Development : This Elective course imparts essential knowledge on the range of Financial services, functioning of Credit Rating Agencies and the SEBI guidelines pertaining to regulation of Financial Services in India.
	CLSCT01	ENVIRONMENTAL STUDIES	2020-21	Skill Development : Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc 2. Visit to a local polluted site- Urban/Rural/Industrial/Agricultural site. 3. Study of common plants, insects, birds and basic principles of identification. 4. Study of simple ecosystems-forest, tank, pond, lake,mangroves etc. 5. Case study of a Forest ecosystem or a pond ecosystem
	SDCBOTP01	PLANT NURSERY MANAGEMENT	2021-22	Skill Development Assignments/Group discussion/Quiz/Model Exam. 2. Demonstration of nursery bed making. 3. Demonstration of preparation of media for nursery. 4. Hands on training on vegetative propagation techniques. 5. Hands on training on sowing methods of seeds and other material. 6. Invited lecture cum demonstration by local expert. 7. Watching videos on routine practices in plant nurseries. 8. Visit to an agriculture/horticulture /forest nursery. 9. Case study on establishment and success of a plant nursery.

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BOTNAY	BOTT11A	Fundamentals of Microbes and Non-vascular Plants	2020-21	Skill enhancement in the field of micro biology and thallophyte study.
	BOTP11A	Fundamentals of Microbes and Non-vascular Plants Lab	2020-21	Skill enhancement in the field of micro biology and thallophyte study.
	BOTT21A	Basics of Vascular Plants and Phytogeography	2020-21	Skill enhancement by providing knowledge in identification and study of vascular and non vascular plants.
	BOTP21A	Basics of Vascular Plants and Phytogeography Lab	2020-21	Skill enhancement by providing knowledge in identification and study of vascular and non vascular plants.
	BOTT31A	ANATOMY, EMBRYOLOGY OF ANGIOSPERMS, PLANT ECOLOGY AND BIODIVERSITY	2020-21	Employability in the field of medicinal botany and imparting knowledge in identification of angiospermic plants.
	BOTT01	PLANT PHYSIOLOGY AND METABOLISM	2020-21	Employability in the field of medicinal botany and imparting knowledge in identification of angiospermic plants.
	BOTP31A	ANATOMY, EMBRYOLOGY OF ANGIOSPERMS, PLANT ECOLOGY AND BIODIVERSITY LAB	2020-21	Skill Development Visit to an arboretum / silviculture station/Forest research institute to see the live timber yielding plants or to visit a local timber depot. to observe various woods. 2. Field visit to a nearby ecosystem to observe the abiotic-biotic relationships. 3. Visit to National park/ Sanctuary/ Biosphere reserve etc., to observe in-situ conservation of plants and animals. 4. Visit to a Botanical garden or Zoo to learn about ex-situ conservation of rare plants or animals. 5. Group Discussion (GD)/ Quiz/ Just A Minute (JAM) on different modules in syllabus of the course.
	BOTP01	PLANT PHYSIOLOGY AND METABOLISM LAB	2020-21	Skill Development Stomata structure in plants from college campus/ their native place. 2. Report on xylem elements in plants using maceration technique. 3. Collection of information on famous herbaria in the world and preparation of a report. 4. Microscopic observations on pollen morphology from plants in college Campus/ their native locality. 5. Study report on germination and viability of pollen in different plants. 6. Observation of anthesis time in different plants and their pollinators. 7. A report on autecology and synecology of some plants in college campus or their native place. 8. Collection of photos of endemic/endangered plant and animal species to Makean album.

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	BOTT41A	CELL BIOLOGY, GENETICS AND PLANT BREEDING	2020-21	Skill Development Group Discussion (GD)/ Quiz/ Just A Minute (JAM) on different modules in syllabus of the course. 2. Visit to a Plant Physiology laboratory in a University or Physiology division in a Agriculture/Horticulture University/Research station.
	BOTP41A	CELL BIOLOGY, GENETICS AND PLANT BREEDING LAB	2020-21	Skill Development Stomatal densities among different groups of plants. 2. Various treatments (salt, cold, high temperature, heavy metals) and their effects on seed germination. 3. Effects of plant hormones (IAA, Gibberellin and Kinetin) on Seed Germination. 4. Diurnal variation of stomatal behavior in CAM and C3 plants found in local area. 5. Effects of nitrogen fertilizer on plant growth. 6. Enumeration of C3, C4 and CAM plants in the local area. 7. Effect of different light wavelengths (red light, green light, blue light) on apparent photosynthesis in terms of growth. 8. Light effects on leaf growth and leaf orientation.
	BOTIAP6	Internship In Botany	2022-23	Skill Development Students are exposed to practical knowledge in botany which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.
	BOTSET01	Plant Tissue Culture	2022-23	Employability in the field of tissue culturing techniques, enhanced knowledge in applying biotechnological tools for breeding of plants
	BOTSEP01	Plant Tissue Culture Lab	2022-23	Employability in the field of tissue culturing techniques, enhanced knowledge in applying biotechnological tools for breeding of plants
	BOTSET02	Mushroom Cultivation	2022-23	Employability in the field of production of mushrooms.
	BOTSEP02	Mushroom Cultivation Lab	2022-23	Employability in the field of production of mushrooms.
	BOTSET03	Plant Propagation	2022-23	Employability in the field of nursery management and skill enhancement for rising nursery beds suitable for ornamental and food crops.
	BOTSEP03	Plant Propagation Lab	2022-23	Employability in the field of nursery management and skill enhancement for rising nursery beds suitable for ornamental and food crops.

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	BOTSET04	Seed Technology	2022-23	To train the students in seed health testing techniques purity of seeds crop improvement protection strategies and different breeding methods
	BOTSEP04	Seed Technology Lab	2022-23	To train the students in seed health testing techniques purity of seeds crop improvement protection strategies and different breeding methods
	BOTSET05	Vegetable Crops-Cultivation Practices	2022-23	To train the students in raised seed bed vegetable gardening, hydroponic farming, greenhouse cultivating methods and diverse varieties of vegetable crops.
	BOTSEP05	Vegetable Crops-Cultivation Practices Lab	2022-23	To train the students in raised seed bed vegetable gardening, hydroponic farming, greenhouse cultivating methods and diverse varieties of vegetable crops.
	BOTSET06	Vegetable Crops-Post Harvest	2022-23	Employability in the field of maintaining quality (appearance, texture, flavour and nutritive value) to protect food safety and to reduce losses between harvest and consumption
	BOTSEP06	Vegetable Crops-Post Harvest Lab	2022-23	Employability in the field of maintaining quality (appearance, texture, flavour and nutritive value) to protect food safety and to reduce losses between harvest and consumption
	COHIAP6	Internship in Commerce	2022-23	Employability: Reporting on Internship Content: The student is expected to participate, contribute and learn the ropes of the works and activities of organizations
	COHSET01	Accounting For Corporate Restructuring	2022-23	Employability: Contents: Company accounts Skill Development : Contents: Methods of Liquidation and Final statement of company accounts Activities: Balance sheet analysis of companies and problem solving

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHSET02	Management Accounting	2022-23	<p>Skill Development</p> <p>Content: Management accounting, Cash and fund flow analysis, Financial statement analysis, Marginal costing, Budget and Budgetary Control</p> <p>Activities: Hands-on- Experience in Analysing Preparation of cash flow statement and determination of cash from operations with imaginary figures, preparation of financial statement such as comparative, commonsize, trend analysis and account ratios, Construct the marginal cost Statement, Preparation of various Budget.</p>
	COHSET03	E Commerce	2022-23	<p>Employability :</p> <p>Contents : doing business through internet.</p> <p>Entrepreneurship:</p> <p>Contents: E-commerce related activities</p> <p>Activities: To do business by using internet.</p>
	COHSET04	E Filing	2022-23	<p>Contents: E filing</p> <p>Skill development</p> <p>Content: Practical filing of income tax returns</p> <p>Activities: Filing of income tax returns of individuals and firms</p>
	COHSET05	Stock Markets	2022-23	<p>Employability:</p> <p>Content: Financial analysis for Primary and Secondary level</p> <p>Skill Development:</p> <p>Contents: Indian stock market</p> <p>Activities: Share trading training and Demat Account</p>
	COHSET06	Stock Market Analysis	2022-23	<p>Employability:</p> <p>Content: Financial analysis for Primary and Secondary level</p> <p>Skill Development:</p> <p>Contents: Indian stock market</p> <p>Activities: Share trading training and Demat Account</p>
	COHSET07	Tax Planning And Management	2022-23	<p>Employability-</p> <p>Content: Avoidance of double taxation agreements, tax planning and its management.</p> <p>Activity- Workshop on tax planning and management.</p>
	COHSET08	Accounting Packages (Tally)	2022-23	<p>Employability:</p> <p>Contents : Accounting Report</p> <p>Skill Development</p> <p>Contents : Tally ERP</p> <p>Activities : Problem solving and ledger creation</p>

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHSET09	Portfolio Management	2022-23	Employability, Entrepreneurship, Skill development-Activity-1. Guest lecture – “Investors Protection”Mr. B Santosh Reddy 2.Seminar - Mutual Funds, shares & LIC - Investment planning for individual - Certificate course Content:Capital market & portfolio analysis
	COHSET10	Accounting Packages (Tally)	2022-23	Employability: Contents : Accounting Report Skill Development Contents : Tally ERP Activities : Problem solving and ledger creation
	COHSET11	Capital Markets For Bps	2022-23	Employability:Activity:Orientation in on the prospects in the area of investment management
	COHSET12	Supply Chain Managements	2022-23	Activity:Loaction Analysis Content:Coordination in a Supply Chain-Bullwhip Effect, Obstacles to Coordination, Managerial levers to Achieve Coordination ,Collaborative Planning, Forecasting and Replenishment (CPFR)
	COHSET13	Income Tax-III	2022-23	Employability: Contents: Assessment procedures of individuals, companies, firms, HUF Skill Development : Activities: Assessment of individuals, firms, HUF and companies by collecting their data.
	COHSET14	Customs	2022-23	Skill development and Employability Contents: Customs duties, types export and import procedure.
	COHSET16	Managing Business Process-II	2022-23	Skill Development: Consists of various forms of business Process and its management. Employability:students will be recruited by TCS as it is TCS integrated course. Activities: Case study
	COHSET17	Financial Services	2022-23	Employability: Content: Indian Financial system Skill Development: Contents: Merchant banking anf Factoring Activities: Share trading training and Role paly
	COHSET18	Indian Financial System	2022-23	Skill Development Content: Indian financial system Activities conducted- SEBI Workshop & Visit

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHT11	Fundamentals of Accounting	2015-16	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COHT12A	Business Organization and Management	2015-16	Skill Development: Consists of various forms of business and company formation procedure. Entrepreneurship: students can start their own business. Activities: Case study
	COHT13	Banking Theory and Practice	2015-16	Employability : Contents : Consumer protection Entrepreneurship: Contents : Environment factors Activities : Role play to develop skills in business
	COHT21A	Financial Accounting –I	2015-16	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COHT22A	Business Environment	2015-16	Employability: Content: Banking , Customer and E-banking Activities: Group discussion
	COHT24	Elements of financial management	2015-16	Employability: Contents: Capital structure and Capital budgeting Skill Development Contents : Cost of capital, capital evaluation techniques Activities : Problem solving techniques and Creative thinking
	COHT25	Finance and accounting for BPS	2020-21	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COHT31	FINANCIAL ACCOUNTING-II	2017-18	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHT31	Financial Accounting-II	2015-16	<p>Skill Development</p> <p>Contents : Consignment, joint venture, Final accounts and Rectification of errors</p> <p>Activities: To facilitate students to understand and to gain knowledge about the accounting for special transactions and preparation of final accounts.</p>
	COHT310	INSURANCE FOR BPS	2017-18	<p>Skill Development:</p> <p>Consists of various forms of Insurance for business Process.</p> <p>Employability: students will be recruited by TCS as it is TCS integrated course.</p> <p>Activities: Case study</p>
	COHT311	BANKING FOR BUSINESS PROCESS SERVICES	2017-18	<p>Skill Development:</p> <p>Consists of various banking activities including prevention of money laundering.</p> <p>Employability: students will be recruited by TCS as it is TCS integrated course.</p> <p>Activities: Case study</p>
	COHT33A	BUSINESS LAWS	2017-18	<p>Employability:</p> <p>Contents: Business contract, Law relating to minor and agency</p> <p>Activities: Case study</p>
	COHT34A	INCOME TAX-I	2017-18	<p>Employability:</p> <p>Contents: Assessment procedures of individuals, companies, firms, HUF</p> <p>Skill Development :</p> <p>Activities: Assessment of individuals, firms, HUF and companies by collecting their data.</p>
	COHT36	DIRECT TAX	2017-18	<p>Employability:</p> <p>Contents: Assessment procedures of individuals, companies, firms, HUF</p> <p>Skill Development :</p> <p>Activities: Assessment of individuals, firms, HUF and companies by collecting their data.</p>
	COHT37	FINANCIAL MANAGEMENT	2017-18	<p>Employability:</p> <p>Contents: Capital structure and Capital budgeting</p> <p>Skill Development</p> <p>Contents : Cost of capital, capital evaluation techniques</p> <p>Activities : Problem solving techniques and Creative thinking</p>

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHT38	AUDITING	2017-18	Employability-Activity-Presentation Content: Audit planning, audit programme, audit notebook, audit Working papers, audit evidence, internal control, internal audit, internal check, vouching of cash & trading transactions, verification & valuation of assets & Liabilities, company audit & audit report
	COHT39	MARKETING MANAGEMENT	2017-18	Skill Development: Contents : Buyer's behavior Employability : Contents : Channel of distribution Entrepreneurship: Contents : Sales promotion Activities : Role play and Behaviour related activities
	COHT41	ACCOUNTING FOR CORPORATE ISSUES	2017-18	Employability: Contents: Company accounts Skill Development : Contents: Methods of Liquidation and Final statement of company accounts Activities: Balance sheet analysis of companies and problem solving
	COHT410	MANAGING BUSINESS PROCESSES-I	2021-22	Skill Development: Consists of various forms of business Process and its management. Employability: students will be recruited by TCS as it is TCS integrated course. Activities: Case study
	COHT411	RETAIL AND MARKET RESEARCH	2021-22	Skill Development Contents: Retail and market research techniques Activities : Problem solving
	COHT43	CORPORATE LAWS	2017-18	Employability: Contents: MOA and AOA Activities : Model company creation procedures and awareness
	COHT44A	INCOME TAX-II	2017-18	Employability: Contents: Assessment procedures of individuals, companies, firms, HUF Skill Development : Activities: Assessment of individuals, firms, HUF and companies by collecting their data.
	COHT46	INDIRECT TAX LAWS	2017-18	SD-Preparation and filing of tax, Research Paper presentation on GST

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHT47	COST ACCOUNTING	2017-18	Employability: Contents : Training in cost management Skill Development Contents : Cost techniques and cost sheet Activities : Cost sheet preparation and Hands -on training
	COHT48	GOODS AND SERVICE TAX	2017-18	Skill development content: GST Law Employability: GST clerk or Skilled GST Professional Activities: Seminar on GST return filing
	COHT49	SECURITY ANALYSIS	2017-18	Employability, Entrepreneurship, Skill development-Activity-1. Guest lecture – “Investors Protection”Mr. B Santosh Reddy 2.Seminar - Mutual Funds, shares & LIC - Investment planning for individual - Certificate course Content:Capital market & portfolio analysis
	COMIAP5	Internship in Commerce	2022-23	Students are exposed to practical knowledge in commerce and accountancy tools which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.
	COMSET01	Advanced Corporate Accounting	2022-23	Employability: Contents: Company accounts Skill Development : Contents: Methods of Liquidation and Final statement of company accounts Activities: Balance sheet analysis of companies and problem solving
	COMSET04	Cost Control Techniques	2022-23	Employability-Activity-Presentation Content: ABC costing, contract costing ,process costion, standard costing and variance analysis.
	COMSET05	Stock Markets	2022-23	Employability: Content: Financial anlaysis for Primary and Secondary level Skill Development: Contents: Indian stock amrket Activities: Share trading training and Demat Accoount
	COMSET06	Stock Market Analysis	2022-23	Employability: Content: Financial anlaysis for Primary and Secondary level Skill Development: Contents: Indian stock amrket Activities: Share trading training and Demat Accoount

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COMSET07	Life Insurance With Practice With Practice	2022-23	Employability, Skill Development, Entrepreneurship Development-Activity -Guest lecture Content:mutual funds,financial markets, life insurance general insurance
	COMSET08	General Insurance	2022-23	Collection of pamphlets of various insurance forms and procedures 2. Invited Lectures by Development Officers concerned 3. Mock practice of selling of insurance products 4. Preparation of working documents 5. Assignments, Group discussion, Quiz etc.
	COMSET09	Logistics Services And Practice	2022-23	Activity:Loaction Analysis Content:Coordination in a Supply Chain-Bullwhip Effect, Obstacles to Coordination, Managerial levers to Achieve Coordination ,Collaborative Planning, Forecasting and Replenishment (CPFR)
	COMSET10	Export Procedure And Practice	2022-23	SD/EN- Taxation practicalities of both Direct Taxes and GST. This is particularly helpful for planning taxes both from an individual and corporate perspective. Budding Entrepreneurs also need a comprehensive understanding of the concepts of GST.
	COMSET11	Advertising and Media Planning	2022-23	Employability: Contents: Adertising and Media planning Skill Development: Contents : Adertising strategies and media planningproduct development Activities : Role play,Panel and Group discussion
	COMSET11	Advertising And Media Planning	2022-23	Employability: Contents: Adertising and Media planning Skill Development: Contents : Adertising strategies and media planningproduct development Activities : Role play,Panel and Group discussion
	COMSET12	Sales Promotion And Practice	2022-23	Employability: Contents: Salesmanship and Sales Promotion Skill Development: Contents : Sales strategies and New product development Activities : Role play,Panel and Group discussion

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COMSET13	Income Tax Assessment Procedures And Practice	2022-23	Employability: Contents: Assessment procedures of individuals, companies, firms, HUF Skill Development : Activities: Assessment of individuals, firms, HUF and companies by collecting their data.
	COMSET14	Gst Procedure &Practice	2022-23	Skill Development: Contents : GST Act Employability : Students can be appointed as an Accountant including filing of GST returns. Entrepreneurship: GST consultant Activities : Workshop on GST
	COMSET15	Digital Marketing	2022-23	Skill Development: Contents : Buyer's behaviuor Employability : Contents : Channel of distribution Entrepreneurship: Contents :Sales promotion Activities : Role play and Behaviour related activities
	COMSET16	Service Marketing	2022-23	Employability: Contents : Banking and Insurance Skill Development Contents : Pricing tecniques Activities : Panel, Role play and Case study
	COMSET17	E Commerce	2022-23	Employability : Contents : doing business through internet. Entrepreneurship: Contents: E-commerce related activities Activities: To do business by using internet.
	COMSET18	E Filing	2022-23	Contents: E filing Skill developmnet Content: Practical filing of income tax returns Activities: Filing of income tax returns of individuals and firms
	COMSETP01	Software Solutions To Accounting	2022-23	Employability: Contents : Accounting Report Skill Development Contents : Tally ERP Activities : Problem solving and ledger creation
	COMT11A	Fundamentals of Accounting-I	2015-16	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COMT12A	Business Organisation	2015-16	Skill Development Contents : Management by objectives, Decision making, Organisation Structure Activities : Case study presentation and Problem solving session.
	COMT14	Business environment	2015-16	Skill Development : Contents : Micro and macro environment. Employability: Contents : Environment factors Activities : Role play to develop skills in business
	COMT21A	Financial accounting	2015-16	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COMT22A	Business Environment	2015-16	Skill Development : Contents : Micro and macro environment. Employability: Contents : Environment factors Activities : Role play to develop skills in business
	COMT22B	Banking Theory and Practice	2020-21	Entrepreneurship, employment-Activity-Guest lecture Content:innovations in banking, Negotiable instruments & Advances
	COMT31A	ADVANCED ACCOUNTING	2021-22	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COMT32	BUSINESS STATISTICS	2021-22	Skill Development Contents : Matrix and measures of central tendency Activities : Problem solving
	COMT37	BUSINESS LAWS	2021-22	Employability: Contents: Business contract, Law relating to minor and agency Activities: Case study
	COMT38	GOODS AND SERVICE TAX	2021-22	SD-Preparation and filing of tax, Research Paper presentation on GST
	COMT410	Marketing of Financial Service	2022-23	Employability: Content: Indian Financial services Skill Development: Contents: Merchant banking anf Factoring Activities: Case study

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COMT41A	CORPORATE ACCOUNTING	2021-22	Employability: Contents: Company accounts Skill Development : Contents: Methods of Liquidation and Final statement of company accounts Activities: Balance sheet analysis of companies and problem solving
	COMT43A	INCOME TAX	2021-22	Employability: Contents: Incomes under various heads Skill Development : Activities: Computation of income under various heads by collecting data.
	COMT45	COST AND MANAGEMENT ACCOUNTING	2021-22	Employability: Contents : Training in cost management Skill Development Contents : Cost techniques and cost sheet Activities : Cost sheet preparation and Hands -on training
	COMT46	AUDITING	2021-22	Employability-Activity-Presentation Content::Audit planning, audit programme, audit notebook, audit Working papers, audit evidence, internal control, internal audit, internal check, vouching of cash & trading transactions, verification & valuation of assets & Liabilities, company audit & audit report
	COMT47	MARKETING	2021-22	Skill Development: Contents : Buyer's behaviour Employability : Contents : Channel of distribution Entrepreneurship: Contents : Sales promotion Activities : Role play and Behaviour related activities
	COMT48	Taxation	2017-18	Employability- Activity- Workshop on computation of tax liability Content: computation of income from salary, house property, business & profession, taxable capital gain
	SDCCOMT01	Insurance Promotion	2020-21	Collection of pamphlets of various insurance forms and procedures 2. Invited Lectures by Development Officers concerned 3. Mock practice of selling of insurance products 4. Preparation of working documents 5. Assignments, Group discussion, Quiz etc.

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
COMMERCIAL	SDCCOMT01	INSURANCE PROMOTION	2021-22	Collection of pamphlets of various insurance forms and procedures 2. Invited Lectures by Development Officers concerned 3. Mock practice of selling of insurance products 4. Preparation of working documents 5. Assignments, Group discussion, Quiz etc.
	SDCCOMT01	Insurance Promotion	2021-22	Collection of pamphlets of various insurance forms and procedures 2. Invited Lectures by Development Officers concerned 3. Mock practice of selling of insurance products 4. Preparation of working documents 5. Assignments, Group discussion, Quiz etc.
	SDCCOMT05	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	2021-22	Activity:Loaction Analysis Content:Coordination in a Supply Chain-Bullwhip Effect, Obstacles to Coordination, Managerial levers to Achieve Coordination ,Collaborative Planning, Forecasting and Replenishment (CPFR)
	SDCCOMT05	Logistic And Supply Chain Management	2021-22	Activity:Loaction Analysis Content:Coordination in a Supply Chain-Bullwhip Effect, Obstacles to Coordination, Managerial levers to Achieve Coordination ,Collaborative Planning, Forecasting and Replenishment (CPFR)
	COHIAP6	Internship in Commerce	2022-23	Employability: Reporting on Internship Content: The student is expected to participate, contribute and learn the ropes of the works and activities of organizations
	COHSET01	Accounting For Corporate Restructuring	2022-23	Employability: Contents: Company accounts Skill Development : Contents: Methods of Liquidation and Final statement of company accounts Activities: Balance sheet analysis of companies and problem solving

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHSET02	Management Accounting	2022-23	<p>Skill Development</p> <p>Content: Management accounting, Cash and fund flow analysis, Financial statement analysis, Marginal costing, Budget and Budgetary Control</p> <p>Activities: Hands-on- Experience in Analysing Preparation of cash flow statement and determination of cash from operations with imaginary figures, preparation of financial statement such as comparative, commonsize, trend analysis and account ratios, Construct the marginal cost Statement, Preparation of various Budget.</p>
	COHSET03	E Commerce	2022-23	<p>Employability :</p> <p>Contents : doing business through internet.</p> <p>Entrepreneurship:</p> <p>Contents: E-commerce related activities</p> <p>Activities: To do business by using internet.</p>
	COHSET04	E Filing	2022-23	<p>Contents: E filing</p> <p>Skill development</p> <p>Content: Practical filing of income tax returns</p> <p>Activities: Filing of income tax returns of individuals and firms</p>
	COHSET05	Stock Markets	2022-23	<p>Employability:</p> <p>Content: Financial analysis for Primary and Secondary level</p> <p>Skill Development:</p> <p>Contents: Indian stock market</p> <p>Activities: Share trading training and Demat Account</p>
	COHSET06	Stock Market Analysis	2022-23	<p>Employability:</p> <p>Content: Financial analysis for Primary and Secondary level</p> <p>Skill Development:</p> <p>Contents: Indian stock market</p> <p>Activities: Share trading training and Demat Account</p>
	COHSET07	Tax Planning And Management	2022-23	<p>Employability-</p> <p>Content: Avoidance of double taxation agreements, tax planning and its management.</p> <p>Activity- Workshop on tax planning and management.</p>
	COHSET08	Accounting Packages (Tally)	2022-23	<p>Employability:</p> <p>Contents : Accounting Report</p> <p>Skill Development</p> <p>Contents : Tally ERP</p> <p>Activities : Problem solving and ledger creation</p>

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHSET09	Portfolio Management	2022-23	Employability, Entrepreneurship, Skill development-Activity-1. Guest lecture – “Investors Protection”Mr. B Santosh Reddy 2.Seminar - Mutual Funds, shares & LIC - Investment planning for individual - Certificate course Content:Capital market & portfolio analysis
	COHSET10	Accounting Packages (Tally)	2022-23	Employability: Contents : Accounting Report Skill Development Contents : Tally ERP Activities : Problem solving and ledger creation
	COHSET11	Capital Markets For Bps	2022-23	Employability:Activity:Orientation in on the prospects in the area of investment management
	COHSET12	Supply Chain Managements	2022-23	Activity:Loaction Analysis Content:Coordination in a Supply Chain-Bullwhip Effect, Obstacles to Coordination, Managerial levers to Achieve Coordination ,Collaborative Planning, Forecasting and Replenishment (CPFR)
	COHSET13	Income Tax-III	2022-23	Employability: Contents: Assessment procedures of individuals, companies, firms, HUF Skill Development : Activities: Assessment of individuals, firms, HUF and companies by collecting their data.
	COHSET14	Customs	2022-23	Skill development and Employability Contents: Customs duties, types export and import procedure.
	COHSET16	Managing Business Process-II	2022-23	Skill Development: Consists of various forms of business Process and its management. Employability:students will be recruited by TCS as it is TCS integrated course. Activities: Case study
	COHSET17	Financial Services	2022-23	Employability: Content: Indian Financial system Skill Development: Contents: Merchant banking anf Factoring Activities: Share trading training and Role paly
	COHSET18	Indian Financial System	2022-23	Skill Development Content: Indian financial system Activities conducted- SEBI Workshop & Visit

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHT11	Fundamentals of Accounting	2015-16	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COHT12A	Business Organization and Management	2015-16	Skill Development: Consists of various forms of business and company formation procedure. Entrepreneurship: students can start their own business. Activities: Case study
	COHT13	Banking Theory and Practice	2015-16	Employability : Contents : Consumer protection Entrepreneurship: Contents : Environment factors Activities : Role play to develop skills in business
	COHT21A	Financial Accounting –I	2015-16	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COHT22A	Business Environment	2015-16	Employability: Content: Banking , Customer and E-banking Activities: Group discussion
	COHT24	Elements of financial management	2015-16	Employability: Contents: Capital structure and Capital budgeting Skill Development Contents : Cost of capital, capital evaluation techniques Activities : Problem solving techniques and Creative thinking
	COHT25	Finance and accounting for BPS	2020-21	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COHT31	FINANCIAL ACCOUNTING-II	2017-18	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHT31	Financial Accounting-II	2015-16	<p>Skill Development</p> <p>Contents : Consignment, joint venture, Final accounts and Rectification of errors</p> <p>Activities: To facilitate students to understand and to gain knowledge about the accounting for special transactions and preparation of final accounts.</p>
	COHT310	INSURANCE FOR BPS	2017-18	<p>Skill Development:</p> <p>Consists of various forms of Insurance for business Process.</p> <p>Employability: students will be recruited by TCS as it is TCS integrated course.</p> <p>Activities: Case study</p>
	COHT311	BANKING FOR BUSINESS PROCESS SERVICES	2017-18	<p>Skill Development:</p> <p>Consists of various banking activities including prevention of money laundering.</p> <p>Employability: students will be recruited by TCS as it is TCS integrated course.</p> <p>Activities: Case study</p>
	COHT33A	BUSINESS LAWS	2017-18	<p>Employability:</p> <p>Contents: Business contract, Law relating to minor and agency</p> <p>Activities: Case study</p>
	COHT34A	INCOME TAX-I	2017-18	<p>Employability:</p> <p>Contents: Assessment procedures of individuals, companies, firms, HUF</p> <p>Skill Development :</p> <p>Activities: Assessment of individuals, firms, HUF and companies by collecting their data.</p>
	COHT36	DIRECT TAX	2017-18	<p>Employability:</p> <p>Contents: Assessment procedures of individuals, companies, firms, HUF</p> <p>Skill Development :</p> <p>Activities: Assessment of individuals, firms, HUF and companies by collecting their data.</p>
	COHT37	FINANCIAL MANAGEMENT	2017-18	<p>Employability:</p> <p>Contents: Capital structure and Capital budgeting</p> <p>Skill Development</p> <p>Contents : Cost of capital, capital evaluation techniques</p> <p>Activities : Problem solving techniques and Creative thinking</p>

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COHT38	AUDITING	2017-18	Employability-Activity-Presentation Content: Audit planning, audit programme, audit notebook, audit Working papers, audit evidence, internal control, internal audit, internal check, vouching of cash & trading transactions, verification & valuation of assets & Liabilities, company audit & audit report
	COHT39	MARKETING MANAGEMENT	2017-18	Skill Development: Contents : Buyer's behavior Employability : Contents : Channel of distribution Entrepreneurship: Contents : Sales promotion Activities : Role play and Behaviour related activities
	COHT41	ACCOUNTING FOR CORPORATE ISSUES	2017-18	Employability: Contents: Company accounts Skill Development : Contents: Methods of Liquidation and Final statement of company accounts Activities: Balance sheet analysis of companies and problem solving
	COHT410	MANAGING BUSINESS PROCESSES-I	2021-22	Skill Development: Consists of various forms of business Process and its management. Employability: students will be recruited by TCS as it is TCS integrated course. Activities: Case study
	COHT411	RETAIL AND MARKET RESEARCH	2021-22	Skill Development Contents: Retail and market research techniques Activities : Problem solving
	COHT43	CORPORATE LAWS	2017-18	Employability: Contents: MOA and AOA Activities : Model company creation procedures and awareness
	COHT44A	INCOME TAX-II	2017-18	Employability: Contents: Assessment procedures of individuals, companies, firms, HUF Skill Development : Activities: Assessment of individuals, firms, HUF and companies by collecting their data.
	COHT46	INDIRECT TAX LAWS	2017-18	SD-Preparation and filing of tax, Research Paper presentation on GST

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	COHT47	COST ACCOUNTING	2017-18	Employability: Contents : Training in cost management Skill Development Contents : Cost techniques and cost sheet Activities : Cost sheet preparation and Hands -on training
	COHT48	GOODS AND SERVICE TAX	2017-18	Skill development content: GST Law Employability: GST clerk or Skilled GST Professional Activities: Seminar on GST return filing
	COHT49	SECURITY ANALYSIS	2017-18	Employability, Entrepreneurship, Skill development-Activity-1. Guest lecture – “Investors Protection”Mr. B Santosh Reddy 2.Seminar - Mutual Funds, shares & LIC - Investment planning for individual - Certificate course Content:Capital market & portfolio analysis
	COMIAP5	Internship in Commerce	2022-23	Students are exposed to practical knowledge in commerce and accountancy tools which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.
	COMSET01	Advanced Corporate Accounting	2022-23	Employability: Contents: Company accounts Skill Development : Contents: Methods of Liquidation and Final statement of company accounts Activities: Balance sheet analysis of companies and problem solving
	COMSET04	Cost Control Techniques	2022-23	Employability-Activity-Presentation Content: ABC costing, contract costing ,process costion, standard costing and variance analysis.
	COMSET05	Stock Markets	2022-23	Employability: Content: Financial anlysis for Primary and Secondary level Skill Development: Contents: Indian stock amrket Activities: Share trading training and Demat Accoount
	COMSET06	Stock Market Analysis	2022-23	Employability: Content: Financial anlysis for Primary and Secondary level Skill Development: Contents: Indian stock amrket Activities: Share trading training and Demat Accoount

NAME OF THE DEPARTMENT	Course Code	Title of the paper	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
	COMSET07	Life Insurance With Practice With Practice	2022-23	Employability, Skill Development, Entrepreneurship Development-Activity -Guest lecture Content:mutual funds,financial markets, life insurance general insurance
	COMSET08	General Insurance	2022-23	Collection of pamphlets of various insurance forms and procedures 2. Invited Lectures by Development Officers concerned 3. Mock practice of selling of insurance products 4. Preparation of working documents 5. Assignments, Group discussion, Quiz etc.
	COMSET09	Logistics Services And Practice	2022-23	Activity:Loaction Analysis Content:Coordination in a Supply Chain-Bullwhip Effect, Obstacles to Coordination, Managerial levers to Achieve Coordination ,Collaborative Planning, Forecasting and Replenishment (CPFR)
	COMSET10	Export Procedure And Practice	2022-23	SD/EN- Taxation practicalities of both Direct Taxes and GST. This is particularly helpful for planning taxes both from an individual and corporate perspective. Budding Entrepreneurs also need a comprehensive understanding of the concepts of GST.
	COMSET11	Advertising and Media Planning	2022-23	Employability: Contents: Adertising and Media planning Skill Development: Contents : Adertising strategies and media planningproduct development Activities : Role play,Panel and Group discussion
	COMSET11	Advertising And Media Planning	2022-23	Employability: Contents: Adertising and Media planning Skill Development: Contents : Adertising strategies and media planningproduct development Activities : Role play,Panel and Group discussion
	COMSET12	Sales Promotion And Practice	2022-23	Employability: Contents: Salesmanship and Sales Promotion Skill Development: Contents : Sales strategies and New product development Activities : Role play,Panel and Group discussion

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	COMSET13	Income Tax Assessment Procedures And Practice	2022-23	Employability: Contents: Assessment procedures of individuals, companies, firms, HUF Skill Development : Activities: Assessment of individuals, firms, HUF and companies by collecting their data.
	COMSET14	Gst Procedure &Practice	2022-23	Skill Development: Contents : GST Act Employability : Students can be appointed as an Accountant including filing of GST returns. Entrepreneurship: GST consultant Activities : Workshop on GST
	COMSET15	Digital Marketing	2022-23	Skill Development: Contents : Buyer's behaviuor Employability : Contents : Channel of distribution Entrepreneurship: Contents :Sales promotion Activities : Role play and Behaviour related activities
	COMSET16	Service Marketing	2022-23	Employability: Contents : Banking and Insurance Skill Development Contents : Pricing tecniques Activities : Panel, Role play and Case study
	COMSET17	E Commerce	2022-23	Employability : Contents : doing business through internet. Entrepreneurship: Contents: E-commerce related activities Activities: To do business by using internet.
	COMSET18	E Filing	2022-23	Contents: E filing Skill developmnet Content: Practical filing of income tax returns Activities: Filing of income tax returns of individuals and firms
	COMSETP01	Software Solutions To Accounting	2022-23	Employability: Contents : Accounting Report Skill Development Contents : Tally ERP Activities : Problem solving and ledger creation
	COMT11A	Fundamentals of Accounting-I	2015-16	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.

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	COMT12A	Business Organisation	2015-16	Skill Development Contents : Management by objectives, Decision making, Organisation Structure Activities : Case study presentation and Problem solving session.
	COMT14	Business environment	2015-16	Skill Development : Contents : Micro and macro environment. Employability: Contents : Environment factors Activities : Role play to develop skills in business
	COMT21A	Financial accounting	2015-16	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COMT22A	Business Environment	2015-16	Skill Development : Contents : Micro and macro environment. Employability: Contents : Environment factors Activities : Role play to develop skills in business
	COMT22B	Banking Theory and Practice	2020-21	Entrepreneurship, employment-Activity-Guest lecture Content:innovations in banking, Negotiable instruments & Advances
	COMT31A	ADVANCED ACCOUNTING	2021-22	Skill Development Contents : Book keeping, Final accounts and BRS Activities: To facilitate students to understand and to gain knowledge about the concepts and principles of financial accounting.
	COMT32	BUSINESS STATISTICS	2021-22	Skill Development Contents : Matrix and measures of central tendency Activities : Problem solving
	COMT37	BUSINESS LAWS	2021-22	Employability: Contents: Business contract, Law relating to minor and agency Activities: Case study
	COMT38	GOODS AND SERVICE TAX	2021-22	SD-Preparation and filing of tax, Research Paper presentation on GST
	COMT410	Marketing of Financial Service	2022-23	Employability: Content: Indian Financial services Skill Development: Contents: Merchant banking anf Factoring Activities: Case study

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	COMT41A	CORPORATE ACCOUNTING	2021-22	Employability: Contents: Company accounts Skill Development : Contents: Methods of Liquidation and Final statement of company accounts Activities: Balance sheet analysis of companies and problem solving
	COMT43A	INCOME TAX	2021-22	Employability: Contents: Incomes under various heads Skill Development : Activities: Computation of income under various heads by collecting data.
	COMT45	COST AND MANAGEMENT ACCOUNTING	2021-22	Employability: Contents : Training in cost management Skill Development Contents : Cost techniques and cost sheet Activities : Cost sheet preparation and Hands -on training
	COMT46	AUDITING	2021-22	Employability-Activity-Presentation Content::Audit planning, audit programme, audit notebook, audit Working papers, audit evidence, internal control, internal audit, internal check, vouching of cash & trading transactions, verification & valuation of assets & Liabilities, company audit & audit report
	COMT47	MARKETING	2021-22	Skill Development: Contents : Buyer's behaviour Employability : Contents : Channel of distribution Entrepreneurship: Contents : Sales promotion Activities : Role play and Behaviour related activities
	COMT48	Taxation	2017-18	Employability- Activity- Workshop on computation of tax liability Content: computation of income from salary, house property, business & profession, taxable capital gain
	SDCCOMT01	Insurance Promotion	2020-21	Collection of pamphlets of various insurance forms and procedures 2. Invited Lectures by Development Officers concerned 3. Mock practice of selling of insurance products 4. Preparation of working documents 5. Assignments, Group discussion, Quiz etc.

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	SDCCOMT01	INSURANCE PROMOTION	2021-22	Collection of pamphlets of various insurance forms and procedures 2. Invited Lectures by Development Officers concerned 3. Mock practice of selling of insurance products 4. Preparation of working documents 5. Assignments, Group discussion, Quiz etc.
	SDCCOMT01	Insurance Promotion	2021-22	Collection of pamphlets of various insurance forms and procedures 2. Invited Lectures by Development Officers concerned 3. Mock practice of selling of insurance products 4. Preparation of working documents 5. Assignments, Group discussion, Quiz etc.
	SDCCOMT05	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	2021-22	Activity:Loaction Analysis Content:Coordination in a Supply Chain-Bullwhip Effect, Obstacles to Coordination, Managerial levers to Achieve Coordination ,Collaborative Planning, Forecasting and Replenishment (CPFR)
	SDCCOMT05	Logistic And Supply Chain Management	2021-22	Activity:Loaction Analysis Content:Coordination in a Supply Chain-Bullwhip Effect, Obstacles to Coordination, Managerial levers to Achieve Coordination ,Collaborative Planning, Forecasting and Replenishment (CPFR)
	BCAIAP6	Internship In Computer Science	2022-23	Students are exposed to practical knowledge in various IT solutions companies in full stack courses which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability oppirtunities.
	CABIAP5	Internship in Computer Applications	2022-23	Students are exposed to practical knowledge in various IT solutions companies in full stack courses which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability oppirtunities.

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	CASIAP5	Internship in Computer Science	2022-23	Students are exposed to practical knowledge in various IT solutions companies in full stack courses which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.
	CSCIAP6	Internship In Computer Science	2022-23	Students are exposed to practical knowledge in various IT solutions companies in full stack courses which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.
	CGSIAP6	Internship In Computer Science	2022-23	Students are exposed to practical knowledge in various IT solutions companies in full stack courses which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.
	22AIMLT11	Problem Solving Using Structured Programming	2022-23	Skill development by understanding problem solving using structured programming
	22AIMLT12	Problem Solving Techniques	2020-21	Skill development by developing algorithms for problem solving
	22AIMLL11	Problem Solving Using Structured Programming Lab	2020-21	Skill development by implementing structured programming concepts for problem solving
	22AIMLT21	Data Structures	2020-21	Skill development by understanding problem solving using data structures concepts.
	22AIMLT22	Python For Data Analysis	2020-21	Skill development by understanding data analysis concepts using python
	22AIMLL21	Data Structures Lab	2020-21	Skill development by implementing data structures concepts for problem solving
	22AIMLL22	Python For Data Analysis Lab	2020-21	Skill development by implementing Python concepts for problem solving
	AIMLT31	Introduction To Artificial Intelligence	2020-21	Skill development by understanding problem solving using Artificial Intelligence
	AIMLT32	Document Oriented Databases	2020-21	Skill development by understanding problem solving using Database Management and New Technology of DOD
	AIMLP31	Introduction To Artificial Intelligence Lab	2020-21	Skill development by understanding problem solving using Artificial Intelligence

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	AIMLP32	Documented Oriented Database Lab	2021-22	Skill development by understanding Database Management in old and new technologies
	AIMLT41	Introduction To Machine Learning	2021-22	Skill development by understanding and applying machine learning algorithms
	AIMLT42	Data Mining	2021-22	Skill development by understanding data mining technique
	AIMLT43	Operating Systems	2021-22	Skill development by understanding the internal working of the computer system
	AIMLP41	Machine Learning Lab	2021-22	Skill development by understanding and implementing machine learning algorithms
	AIMLP42	Data Mining Lab	2021-22	Skill development by understanding data mining technique
	AIMLP43	Operating Systems Lab	2022-23	Skill development by understanding the working of operating systems
	BCASET01	Big Data Analytics Using R	2022-23	Skill development by understanding R programming concepts for data analysis
	BCASEP01	Big Data Analytics Using R Lab	2022-23	skill development byt implementing data processing techniques using R
	BCASET02	Data Analysis Using Python	2022-23	Skill development by understanding various data science concepts for analysing data
	BCASEP02	Data Analysis Using Python Lab	2022-23	skill development using python for analysing data.
	BCASET03	Mobile Application Development	2022-23	Its skill and employability course to get knowledge about mobile application development and how to integrate with adroid servicess and components
	BCASEP03	Mobile Application Development Lab	2022-23	Skill development and employability by developing mobile applications. It can also lead to entrepreneurship
	BCASET04	Multimedia Tools And Applications	2022-23	Skill development in the field of multimedia tools
	BCASEP04	Multimedia Tools And Applications Lab	2022-23	Skill development in the field of multimedia tools and applications
	BCASET05	Cyber Security And Malware Analysis	2022-23	Content Knowledge on Cybersecurity ,Certifications ,Cybersecurity Competitions and Soft Skills
	BCASEP05	Cyber Security And Malware Analysis Lab	2022-23	Skill development as Cyber Security Analyst
	BCASET06	Cyber Laws	2022-23	Content Knowledge on Cybersecurity ,Certifications ,Cybersecurity Competitions and Soft Skills
	BCASEP06	Cyber Laws Lab	2022-23	Skill development as Cyber Security Analyst

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	BCASET07	Machine Learning Using Python	2022-23	Skill development and employability by understanding machine learning techniques using python
	BCASEP07	Machine Learning Using Python Lab	2022-23	Skill development and employability by implementing machine learning techniques using python
	BCASET08	Web Application Development Using Django	2022-23	Skill development and employability by understanding django architecture and its applications for web development.
	BCASEP08	Web Application Development Using Django Lab	2022-23	Skill development and employability by implementing web application development using Django
	BCASET09	Security Analyst - III	2022-23	Skill development and employability by understanding Security analysis, reporting.
	BCASEP09	Cyber Security, Analysis And Reporting Lab	2022-23	skill development and employability by implementing ip config, analysing and reporting security related incidents.
	BCASET10	Software Testing	2022-23	skill and employability course to Distinguish domains, bugs and discuss various software testing issues
	BCASEP10	Software Testing Lab	2022-23	Skill development to identify bugs in a software by applying different testing techniques and tools
	BCASET11	Digital Imaging	2022-23	Skill development in developing and managing images
	BCASEP11	Digital Imaging Lab	2022-23	Skill development in developing and managing images using GIMP Tool
	BCASET12	Computer Networking And Pc Trouble Shooting	2022-23	Students are exposed to basics of computer networking along with PC troubleshooting enabling their skill development
	BCASEP12	Computer Networking And Pc Trouble Shooting Lab	2022-23	Skill development to Students they are exposed to practical knowledge of computer networking and PC trouble shooting
	BCASET13	Object Oriented Analysis & Design	2022-23	Skill development by understanding fundamental concepts of OOAD
	BCASEP13	Object Oriented Analysis & Design Lab	2022-23	Skill development by implementing concepts of OOAD
	BCASET14	Design Of Object Oriented Applications	2022-23	Skill development by understanding variety of problem domain and applying OOA Applications.
	BCASEP14	Design Of Object Oriented Applications Lab	2022-23	Skill development by implementing OOA for various process and AI, data Acquisition.

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	BCASET15	E Commerce Application Development	2022-23	Skill development by understanding various Business Model, Electronic Payment System Mode, Developing Static Web pages
	BCASEP15	E Commerce Application Development Lab	2022-23	Skill development by understanding various Business Model, Electronic Payment System Mode, Developing Static Web pages
	BCASET16	Real Time Governance System (Rtgs)	2022-23	Skill development by understanding e governance concepts, its infrastructure and implementations.
	BCASEP16	Real Time Governance System (Rtgs) Lab	2022-23	Skill development by implementing e governance concepts, its infrastructure and implementations.
	BCASET17	Internet Of Things	2022-23	Employability in the Field of Information Technology / Hardware Technology
	BCASEP17	Internet Of Things Lab	2022-23	Skill development by providing Hands on Training on the Applications of Internet of Things.
	BCASET18	Web Applications Development Using Php& Mysql	2022-23	Skill development by understanding PHP and MySQL concepts
	BCASEP18	Web Applications Development Using Php& Mysql Lab	2022-23	Skill development by implementing PHP concepts and binding it with back end MySQL concepts
	22CABT11	Information Technology	2022-23	Imparting knowledge in basic IT concepts
	22CABT24	E-Commerce And Web Designing	2022-23	Developing skill in E Commerce conceprs and web desinging
	22CABL23	Web Designing Lab	2022-23	Skill development and employability by implementing web desinging and its applications.
	CABT31A	Programming With C & C++	2021-22	Skill development by understaning C and C++ concepts for problem solving
	CABP31A	C And C++ Lab	2021-22	Skill development by implementing C and C++ concepts for problem solving
	CABT41B	Database Management Systems	2021-22	Skill development by understanding data base concepts
	CABP41A	Database Management Systems Lab	2022-23	Skill development by implementing data base concepts
	CABSET01	Cyber Security And Malware Analysis	2022-23	Content Knowledge on Cybersecurity ,Certifications ,Cybersecurity Competitions and Soft Skills
	CABSEP01	Cyber Security And Malware Analysis Lab	2022-23	Skill development as Cyber Security Analyst
	CABSET02	Multimedia Tools And Applications	2022-23	Skill development in the field of multimedia tools
	CABSEP02	Multimedia Tools And Applications Lab	2022-23	Skill development in the field of multimedia tools and applications

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	CABSET03	Big Data Analysis Using R	2022-23	skill development by understanding elements of R programming.
	CABSEP03	Big Data Analysis Using R Lab	2022-23	skill development by implementing elements of R programming.
	CABSET04	Data Science Using Python	2022-23	Skill development by understanding various data science concepts for analysing data
	CABSEP04	Data Science Using Python Lab	2022-23	skill development using python for analysing data.
	CABSET05	Mobile Application Development	2022-23	Its skill and employability course to get knowledge about mobile application development and how to integrate with adroid servicess and components
	CABSEP05	Mobile Application Development Lab	2022-23	Skill development and employability by developing mobile applications. It can also lead to entrepreneurship
	CABSET06	Digital Imaging	2022-23	Skill development in developing and managing images
	CABSETP06	Digital Imaging Lab	2022-23	Skill development in developing and managing images using GIMP Tool
	CASSET01	Big data Analytics using R	2022-23	skill development by understanding elements of R programming.
	CASSEP01	Big data Analytics using R Lab	2022-23	skill development by implementing elements of R programming.
	CASSET02	Data Science using Python	2022-23	Skill development by understanding various data science concepts for analysing data
	CASSEP02	Data Science using Python Lab	2022-23	skill development using python for analysing data.
	CASSET03	Mobile application Development	2022-23	Its skill and employability course to get knowledge about mobile application development and how to integrate with adroid servicess and components
	CASSEP03	Mobile application Development Lab	2022-23	Skill development and employability by developing mobile applications. It can also lead to entrepreneurship
	CASSET04	Cyber Security and Malware Analysis	2022-23	Content Knowledge on Cybersecurity ,Certifications ,Cybersecurity Competitions and Soft Skills
	CASSEP04	Cyber Security and Malware Analysis Lab	2022-23	Skill development as Cyber Security Analyst
	CASSET05	Multimedia Tools and Applications	2022-23	Skill development in the field of multimedia tools
	CASSEP05	Multimedia Tools and Applications Lab	2022-23	Skill development in the field of multimedia tools and applications
	CASSET06	Digital Imaging	2022-23	Skill development in developing and managing images
	CASSEP06	Digital Imaging Lab	2022-23	Skill development in developing and managing images using GIMP Tool

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CS	22CGST11	Problem Solving In C	2020-21	Skill Development in structured programming
	22CGSL11	Problem Solving In C Lab	2020-21	Skill Development in problem solving by implementing various structured programming concepts.
	22CGST12	Operating System	2020-21	Developing skills in OS, Windows and Server OS
	22CGSL12	Operating System Lab	2020-21	Developing skills in understanding Windows and Server OS, Linux commands
	22CGST21	Data Structures	2020-21	Skill development in problem solving by implementing data structures
	22CGSL21	Data Structures Lab	2020-21	Skill Development by implementing logics for problem solving
	22CGST22	Computer Networks	2020-21	Developing skills in Computer Network concepts
	22CGSL22	Computer Networks Lab	2020-21	Implementing Computer Network concepts using CISCO packet tracer.
	CGST31	It Infrastructure Management	2020-21	Skill development of IT Infrastructure and its management
	CGSP31	It Infrastructure Management Lab	2020-21	Developing skills in understanding Windows and Server OS using Hyper V
	CGST32	Data Base Mangement System	2021-22	Skill development of Database management.
	CGSP32	Data Base Mangement System Lab	2021-22	Implementing Database concepts using Oracle Data Base
	CGST33	Object Oriented Programming Using Java	2021-22	Skill development in problem solving by implementing object oriented concepts
	CGSP33	Object Oriented Programming Using Java Lab	2021-22	Developing skills in programming using Java
	CGST41	Virtualization And Cloud Computing	2021-22	Skill development in Virtulizartion and Cloud Computing
	CGSP41	Virtualization And Cloud Computing Lab	2021-22	Implementing Virtulizartion, Cloud Computing using AWS.
	CGST42A	Process Management	2021-22	Skill development of PROCESS Process and processs management
	CGST43	Python Programming	2021-22	Skill development of PYTHON Python and pythons programming
	CGSP43	Python Programming Lab	2021-22	Implementing
	CGST44	Advanced Java	2021-22	Implementing programming skills on Servelts,JDBC and JSP
	CGSP44	Advanced Java Lab	2021-22	Implementing programming skills on Servelts,JDBC and JSP
	CGST45	Data Mining And Warehousing	2021-22	Skill development of DATA Ware and datas housing
	CGSP45	Data Mining Lab	2021-22	Skill development course to identify what kind of technologies are used for different applications, manipulating data preprocessing, data warehouse and OLAP technology,mining frequent patterns and association classification, clustering.

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	CGSSET01	It Infrastructure Library	2022-23	Developing skills in understanding Industry Infrastructure
	CGSSET02	Client Relationship Management	2022-23	Employability in the Field of IT relationship
	CGSSEP02	Client Relationship Management Lab	2022-23	Employability in the Field of IT relationship Lab
	CGSSET03	Mobile Application Development	2022-23	Its skill and employability course to get knowledge about mobile application development and how to integrate with adroid services and components
	CGSSEP03	Mobile Application Development Lab	2022-23	Skill development and employability by developing mobile applications. It can also lead to entrepreneurship
	CGSSET04	Cyber Security And Malware Analysis	2022-23	Content Knowledge on Cybersecurity ,Certifications ,Cybersecurity Competitions and Soft Skills
	CGSSEP04	Cyber Security And Malware Analysis Lab	2022-23	Skill development in Cyber Security Analyst
	CGSSET05	Data Science	2022-23	Skill development by understanding various data science concepts for analysing data
	CGSSEP05	Data Science Lab	2022-23	skill development by implementing R packages for analysing data.
	CGSSET06	Python For DataScience	2022-23	Skill development by understanding various data science concepts for analysing data
	CGSSEP06	Python For DataScience Lab	2022-23	skill development using python for analysing data.
	CGSSET07	Web Interface Designing Technologies	2022-23	Skill development by understanding web development concepts and web architecture
	CGSSEP07	Web Interface Designing Technologies Lab	2022-23	Skill development and employability by implementing vrious web technologies for desining web sites.
	CGSSET08	Web Applications Development Using Php&Mysql	2022-23	Skill development by understanding PHP and MySQL concepts
	CGSSEP08	Web Applications Development Using Php&Mysql Lab	2022-23	Skill development by implementing PHP concepts and binding it with back end MySQL concepts
	CGSSET09	Introduction To Digital Technology	2022-23	Skill development in knowing the Digital requirements.
	CGSSEP09	Introduction To Digital Technology Lab	2022-23	Skill development in creating bots using automation anywhere.
	CGSSET10	Software Engineering And Testing	2022-23	skill and employability course to Distinguish domains, bugs and discuss various software testing issues
	CGSSEP10	Software Engineering And Testing Lab	2022-23	Skill development to identify bugs in a software by applying different testing techniques and tools
	CGSSET11	Multimedia Tools And Applications	2022-23	Skill development in the field of multimedia tools

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	CGSSEP11	Multimedia Tools And Applications Lab	2022-23	Skill development in the field of multimedia tools and applications
	CGSSET12	Digital Imaging	2022-23	Skill development in developing and managing images
	CGSSEP12	Digital Imaging Lab	2022-23	Skill development in developing and managing images using GIMP Tool
	CGSSET13	Bigdata Analytics Using R	2022-23	Skill development by understanding R programming concepts for data analysis
	CGSSEP13	Bigdata Analytics Using R Lab	2022-23	skill development byt implementing data processing techniques using R
	CGSSET14	Data Science Using Python	2022-23	Skill development by understanding various data science concepts for analysing data
	CGSSEP14	Data Science Using Python Lab	2022-23	skill development using python for analysing data.
	CGSSET15	Internet Of Things	2022-23	Employability in the Field of Information Technology / Hardware Technology
	CGSSEP15	Internet Of Things Lab	2022-23	Skill development by providing Hands on Training on the Applications of Internet of Things.
	CGSSET16	Application Development Using Python	2022-23	Skill development by Developing applicaions using python
	CGSSEP16	Application Development Using Python Lab	2022-23	Skill development by implementing Python concepts for applications developmet
	CGSSET17	It Cognition And Problem Solving	2022-23	Skill development on IT Cognition
	CGSIAP6	Internship In Computer Science	2022-23	Students are exposed to practical knowledge in various IT solutions companies in full stack courses which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability oppirtunities.
	22CSCT11	Problem Solving In C	2022-23	Skill Development in basic structured programming concepts for problem solving
	22CSCL11	Problem Solving In C Lab	2020-21	Skill development by implementing C programming concepts for problem solving.
	22CSCT21	Data Structures	2020-21	Skill development for various logical problem solving
	22CSCL21	Data Structures Lab	2020-21	Skill Development by implementing logics for problem solving
	CSCT11B	Problem Solving In C	2020-21	Skill Development in basic structured programming concepts for problem solving
	CSCP11B	Problem Solving In C Lab	2020-21	Skill development by implementing C programming concepts for problem solving.
	22CSCT12	Computer Fundamentals And Office Tools	2020-21	Skill Development in implementing various Office Automation Tools

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	22CSCL12	Computer Fundamentals And Office Tools Lab	2020-21	Skill Development in implementing Office Automation Tools for various applications
	22CSCT13	Programming In C	2020-21	Skill Development in basic structured programming concepts for problem solving
	22CSCL13	Programming In C Lab	2020-21	Skill development by implementing C programming concepts for problem solving.
	22CSCT22	Data Structures	2020-21	Skill development for various logical problem solving
	22CSCL22	Data Structures Lab	2020-21	Skill Development by implementing logics for problem solving
	22CSCT28	Web Programming	2020-21	Development of Skills for developing websites
	22CSCL29	Web Programming Lab	2020-21	Development of Skills for developing websites
	CSCT34B	Database Management Systems	2021-22	Skill development in database management
	CSCP33A	Database Management Systems Lab	2021-22	Implementing database management concepts using Oracle
	CSCT41C	Operating Systems	2021-22	Skill development in OS concepts and system programming
	CSCT01	Object Oriented Programming Using Java	2021-22	Skill development in implementing object oriented language concepts for problem solving
	CSCP41C	Operating Systems Lab	2021-22	Implementing Scheduling algorithms and OS concepts
	CSCP01	Object Oriented Programming Using Java Lab	2021-22	Skill development in implementing object oriented language concepts for problem solving
	CSCT31	Object Oriented Programming Using Java	2021-22	Skill development by implementing OOP concepts for problem solving.
	CSCP31	Object Oriented Programming Using Java Lab	2021-22	Skill development by implementing OOP concepts for problem solving.
	CSCT35	Operating Systems	2021-22	Skill development in OS concepts and system programming
	CSCP34A	Operating Systems Lab	2021-22	Implementing Scheduling algorithms and OS concepts
	CSCT36	Computer Networks	2021-22	Developing skills in Computer Network concepts
	CSCP35	Computer Networks Lab	2021-22	Skill development in Network basics and working with database connectivity and frames.
	CSCT42A	Advanced Java	2021-22	Skill development on Servlets,JDBC and JSP
	CSCP42A	Advanced Java Lab	2021-22	Implementing programming skills on Servlets,JDBC and JSP
	CSCT43B	Object Oriented Software Engineering	2021-22	Skill development in software engineering based on new technologies

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	CSCP43B	Object Oriented Software Engineering Lab	2021-22	Its a skill development course to get the knowledge about s/w engineering,development,object oriented design and analysis at graduate level.
	CSCT45A	Python	2021-22	Skill development by implementing logics for problem solving using python
	CSCP44A	Python Lab	2021-22	fundamental python programming like variables,conditional logic,looping and functions,list,strings
	CSCT46A	Data Mining And Ware Housing	2021-22	Skill development for datamining techniques
	CSCP45	Data Mining Lab	2021-22	The principle algorithms and techniques used in data mining such as clustering,association,classification and prediction
	CSCSET01	Data Science	2022-23	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Data science Technologies.
	CSCSEP01	Data Science Lab	2022-23	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Data science Technologies.
	CSCSET02	Python For Data Science	2022-23	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Python and Data science Technologies.
	CSCSEP02	Python For Data Science Lab	2022-23	fundamental python programming like variables,conditional logic,looping and functions
	CSCSET03	Web Interface Designing Technologies	2022-23	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
	CSCSEP03	Web Interface Designing Technologies Lab	2022-23	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
	CSCSET04	Web Applications Development Using Php And Mysql	2022-23	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
	CSCSEP04	Web Applications Development Using Php And Mysql Lab	2022-23	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.

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	CSCSET05	Internet Of Things	2022-23	Employability in the Field of Information Technology / Hardware Technology and imparting Knowledge by providing Hands on Training on the Applications of Internet of Things.
	CSCSEP05	Internet Of Things Lab	2022-23	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
	CSCSET06	Application Development Using Python	2022-23	Employability and skill development in the Field of Information Technology by imparting Skills in Python Programming
	CSCSEP06	Application Development Using Python Lab	2022-23	Employability and skill development in the Field of Information Technology by imparting Skills in Python Programming
	22DSCT11	Introduction To Python Programming	2022-23	skill development in problem solving using structured and object oriented programming.
	22DSCL11	Introduction To Python Programming Lab	2022-23	skill development in problem solving imlementing various structured and object oriented concepts.
	22DSCT21	Data Structures Using Python	2022-23	skill development in problem solving by understanding various types of data structures.
	22DSCL21	Data Structures Using Python Lab	2022-23	skill development in problem solving by implementing various data structures.
	DSCT31B	Elements Of R- Programming	2021-22	skill development by understanding elements of R programming.
	DSCP31B	Elements Of R- Programming Lab	2021-22	skill development by implementing elements of R programming.
	DSCT41	Database Management Systems	2021-22	Creating and managing databases. A DBMS makes it possible for end users to create, protect, read, update and delete data in a database.
	DSCP41	Database Management Systems Lab	2021-22	Skill development by implementing DBMS to serve as an interface between an end-user and a database, allowing users to create, read, update, and delete data in the database.
	DSCT01	Introduction To Java Programming	2021-22	Skill development in problem solving by implementing object oriented concepts
	DSCP01	Introduction To Java Programming Lab	2021-22	Skill development by developing Java API implementing OOP concepts

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	DSCSET01	Introduction To Machine Learning	2022-23	Skill development by understanding various machine learning concepts
	DSCSEP01	Introduction To Machine Learning Lab	2022-23	Skill development by implementing various machine learning concepts
	DSCSET02	Big Data Technology	2022-23	Skill development by understanding various methods and techniques to store big data.
	DSCSEP02	Big Data Technology Lab	2022-23	Skill development by implementing various methods and techniques to store big data and fetch them.
	DSCSET03	Data Mining And Data Analysis	2022-23	Skill development by understanding various data mining and analytics concepts.concepts
	DSCSEP03	Data Mining And Data Analysis Lab	2022-23	Skill development by implementing various data mining and analytics concepts.concepts
	DSCSET04	Multivariate Technique For Data Analysis	2022-23	skill devlopment by finding patterns between variables and helping us to better understand relationship between variables using multi variate techniques.
	DSCSEP04	Multivariate Technique For Data Analysis Lab	2022-23	skill devlopment by implementing multivariate techniques to better understand relationship between variables and getting deeper understanding of data.
	DSCSET05	Data & Information Security Through Python	2022-23	skill development by understanding data and information security concepts to safe guard digital information from theft or unauthorized access
	DSCSEP05	Data &Information Security Through Python Lab	2022-23	skill development by implementing data and information security techniques to safe guard digital information from theft or unauthorized access
	DSCSET06	Spark Programming	2022-23	skill development by understanding how to develop faster and more general data processing platforms using spark programming that run faster in memory than in hadoop
	DSCSEP06	Spark Programming Lab	2022-23	skill development by developing faster data processing platforms using spark programming.
	ECOT11B	Micro Economic Analysis	2020-21	Skill Development With the help of the skills of microeconomics, the students can get job as project manager in different projects of government and private companies.
	ECOT12A	Business Economics-I	2020-21	Skill Development With the help skills of business economics, students can improve their skills to run businesses

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	ECO T21B	Macro Economic Analysis	2020-21	Skill Development With the help of the skills of microeconomics, the students can get job as project manager in different projects of government and private companies.
	ECOT22A	Business Economics-II	2020-21	Skill Development With the help skills of business economics, students can improve their skills to run businesses
	ECOT18	Economics Analysis	2017-18	Skill Development The knowledge of economic analysis makes the students to become as economic analysts, financial analysts, etc. in the market.
	SDCECOT01	FINANCIAL MARKETS	2021-22	Skill Development Assignments/Group discussion/Quiz/Model Exam. 2. Demonstration of nursery bed making. 3. Demonstration of preparation of media for nursery. 4. Hands on training on vegetative propagation techniques. 5. Hands on training on sowing methods of seeds and other material. 6. Invited lecture cum demonstration by local expert. 7. Watching videos on routine practices in plant nurseries. 8. Visit to an agriculture/horticulture /forest nursery. 9. Case study on establishment and success of a plant nursery.
	ECOT11B	Micro Economic Analysis	2020-21	Skill Development With the help of the skills of microeconomics, the students can get job as project manager in different projects of government and private companies.
	ECOT12A	Business Economics-I	2020-21	Skill Development With the help skills of business economics, students can improve their skills to run own businesses
	ECO T21B	Macro Economic Analysis	2020-21	Skill Development With the help of the skills of macroeconomics, the students can get job as project manager in different projects of government and private companies.
	ECOT22A	Business Economics-II	2020-21	Skill Development With the help skills of business economics, students can improve their skills to run businesses
	ECOT31B	DEVELOPMENT ECONOMICS	2020-21	Skill Development With the help of the knowledge of Development Economics, the students can get employed in government organizations like NNSO,CSO and different statistical offices at National & State level.

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	ECOT19	MANAGERIAL ECONOMICS	2020-21	Skill Development The knowledge of managerial economics is helpful o students to get jobs as a managers in different public and private companies
	ECOT41B	ECONOMIC DEVELOPMENT IN INDIA AND ANDHRA PRADESH	2020-21	Skill Development 1. Assignments on specific issues of contemporary importance with reference to problems and remedial policies 2. Student Seminars on leading economic challenges, the effectiveness of relevant policies and programmes 3. Quiz to examine the knowledge and critical understanding of major policies, programmes achievements, failures relating to all sectors 4. Group discussions to promote critical understanding and evaluation capabilities of the students on major areas of Indian and AP economy .
	ECOT02	PUBLIC FINANCE AND INTERNATIONAL TRADE	2020-21	Skill Development With the help of the knowledge of public finance, students can get jobs in Tax department and Planning Department, International organizations like WTO, IMF, IBRD etc.
	ECOT18	Economics Analysis	2017-18	Skill Development The knowledge of economic analysis makes the students to become as economic analysts, financial analysts, etc. in the market.
	SDCECOT01	Financial Markets	2021-22	Skill Development Assignments/Group discussion/Quiz/Model Exam. 2. Demonstration of nursery bed making. 3. Demonstration of preparation of media for nursery. 4. Hands on training on vegetative propagation techniques. 5. Hands on training on sowing methods of seeds and other material. 6. Invited lecture cum demonstration by local expert. 7. Watching videos on routine practices in plant nurseries. 8. Visit to an agriculture/horticulture /forest nursery. 9. Case study on establishment and success of a plant nursery.
	ECOIAP5	Internship in Economics	2022-23	Skill Development Students are exposed to practical knowledge in economics tools which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.

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ECONOMICS	ECOT31B	Development Economics	2022-23	Skill Development With the help of the knowledge of Development Economics, the students can get employed in government organizations like NNSO,CSO and different statistical offices at National & State level.
	ECOT41B	Economic Development In India And Andhra Pradesh	2022-23	Skill Development 1. Assignments on specific issues of contemporary importance with reference to problems and remedial policies 2. Student Seminars on leading economic challenges, the effectiveness of relevant policies and programmes 3. Quiz to examine the knowledge and critical understanding of major policies, programmes achievements, failures relating to all sectors 4. Group discussions to promote critical understanding and evaluation capabilities of the students on major areas of Indian and AP economy .
	ECOT02	Public Finance And International Trade	2022-23	Skill Development With the help of the knowledge of public finance, students can get jobs in Tax department and Planning Department, International organizations like WTO, IMF, IBRD etc.
	ECOSET01	Rural Entrepreneurship	2022-23	<p>Skill development : Brainstorming Bonanza: Divide students into groups and assign each group a specific rural industry (e.g., organic farming, handcrafted textiles, eco-tourism). Each group will brainstorm potential business ideas within their assigned industry, considering local resources, market demand, and entrepreneurial skills.</p> <p>Research and Refinement: Students research their chosen business idea. This could involve exploring existing businesses in the area, identifying target markets, and researching any specific skills or permits required. Based on their research, they refine their business plan, outlining marketing strategies, financial projections, and how the venture can address local needs and create employment opportunities.</p> <p>Pitch Perfect Presentations: Finally, each group presents their business plan to the class, highlighting the unique selling points, potential for growth, and the skills required to run the business successfully. This allows them to</p>

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	ECOSET02	Farmer Producer Organizations (Fpos)	2022-23	<p>Skill development :Each group presents their FPO advocacy campaign to the class.</p> <p>After each presentation, facilitate a discussion about the key points and the potential impact of FPOs on agricultural development.</p>
	ECOSET03	Urban Entrepreneurship And Msmes	2022-23	<p>Skill development students, provide a list of potential community needs to get them started. You can also offer sample business ideas to guide their brainstorming.</p> <p>students, encourage them to consider the legal and regulatory aspects of starting an MSME in their region. They can further research specific challenges and opportunities faced by MSMEs in urban areas.</p>
	ECOSET04	Retail And Digital Marketing	2022-23	<p>Skill development Retail Marketing Strategies (15 minutes): Discuss the importance of in-store marketing for your clothing brand. Brainstorm ideas for creating a visually appealing and engaging shopping experience (e.g., store layout, displays, customer service approach).</p> <p>Digital Marketing Brainstorm (20 minutes): Divide the class into small groups (3-4 students).</p> <p>Each group focuses on developing a specific digital marketing campaign to reach the target audience.</p> <p>Encourage them to consider a mix of strategies using sticky notes:</p> <p>Social Media Marketing: Develop engaging content ideas for relevant platforms (e.g., Instagram, TikTok) to showcase the brand's style and sustainability focus.</p> <p>Content Marketing: Brainstorm blog post or video content ideas that resonate with the target audience and subtly promote the brand's message.</p> <p>Influencer Marketing: Identify potential social media influencers whose style and values align with the brand to reach.</p>
	ECOSET05	Insurance Services	2022-23	<p>Skill development For younger students, simplify the case studies and provide a more limited selection of insurance products to choose from. For older students, introduce additional complexities like deductibles, coverage limits, and premium calculations. They can delve deeper into the legal and regulatory aspects of insurance policies.</p>

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	ECOSET06	Banking And Financial Services	2022-23	Skill development students, simplify the budgeting process by providing pre-defined expense categories and income levels. students, introduce investment options (stocks, bonds) and discuss factors to consider before investing. They can research and compare different investment strategies.
	ECOSET07	Inferential Statistics And Software Packages	2022-23	Skill development students, provide a pre-defined research question and a simpler dataset. Guide them step-by-step through the data analysis process in the chosen software. students, encourage them to explore more complex statistical tests like ANOVA or regression analysis. They can delve deeper into the functionalities of the chosen software and create more sophisticated data visualizations.
	ECOSET08	Project Designing And Report Writing	2022-23	Skill development : For students, provide a list of environmental challenges to get them started. You can also offer sample project ideas to spark their creativity. students, encourage them to consider the project's long-term sustainability and potential challenges during implementation. They can delve deeper into the legal and regulatory aspects of implementing such projects in their community.
	ELET11A	Basic Circuit Theory	2020-21	Employability : Circuit theory studies electrical networks, components, and their interconnections mathematically
	ELEP11A	Circuit Theory Lab	2020-21	Skill development : lab explores practical applications of electrical components and circuits.
	ELET21A	Electronic Devices & Circuits	2020-21	Employability: Electronic devices and circuits study semiconductor components and their applications in electronics
	ELEP21A	Electronic Devices & Circuits Lab	2020-21	Skill development : Electronic devices and circuits lab explores hands-on applications of semiconductor devices and circuits.
	ELET31	Digital Electronics	2020-21	Employability: Digital electronics studies binary signals, logic gates, and digital circuit design principles.
	ELEP31	Digital Electronics Lab	2020-21	Skill development :Digital electronics lab focuses on designing, testing, and analyzing digital circuits and systems.

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ELECTRONICS	ELET01	Analog and Digital IC Application	2020-21	Employability :Analog and digital communications involve transmitting and processing continuous and discrete signals.
	ELEP01	Analog and Digital IC Application Lab	2020-21	Skill development :Analog and digital communications lab experiments with signal processing and transmission techniques.
	ELET41A	Analog and Digital Communications	2020-21	Employability :Microcontroller and interfacing involves programming and connecting microcontrollers with external devices efficiently
	ELEP41A	Microprocessor Systems	2020-21	Skill development :Microcontroller and interfacing lab focuses on programming and connecting microcontrollers with external components for practical applications.
	ELEIAP5	Analog and Digital Communications Lab	2022-23	Skill development:Learn circuits, debug code, design boards, gain skills, valuable experience.
	ELEIAP6	Microprocessor Systems Lab	2022-23	Skill development:Learn circuits, debug code, design boards, gain skills, valuable experience.
	SDCELEP01	Microcontroller and Interfacing	2021-22	Skill development:Printed circuits link components, facilitate electronic connections, crucial for devices
	ELET31A	Power Electronics	2021-22	Employability :Microprocessor systems study design, programming, and applications of computer processors in electronics.
	ELEP31A	Microcontroller and Interfacing Lab	2021-22	Skill development :Microprocessor systems lab explores practical programming and interfacing with computer processors.
	ELESET01	Power Electronics Lab	2022-23	Employability:Industrial electronics focuses on control systems and equipment used in industrial settings.
	ELESEP01	Embedded Systems Design	2022-23	Skill development:Industrial electronics lab involves hands-on training with industrial control systems and equipment.
	ELESET02	Electronic Instrumentation	2022-23	Employability: Electronic instrumentation involves precise measurement and analysis of electrical signals and parameters
	ELESEP02	Embedded Systems Lab	2022-23	Skill development: Electronic instrumentation lab studies measurement and analysis of electrical signals with precision
	ELESET03	Electronic Instrumentation Lab	2022-23	Employability:Embedded system design integrates hardware and software for specific computing applications

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	ELESEP03	Computer Networks	2022-23	Skill development: Embedded system design lab focuses on developing and testing embedded hardware-software interfaces
	ELESET04	PC maintenance and Trouble shooting	2022-23	Employability: Consumer electronics encompass devices for personal and household entertainment and productivity needs.
	ELESEP04	Computer Networks Lab	2022-23	Skill development: Consumer electronics lab explores designing, testing, and analyzing devices for consumer applications
	ELESET05	PC maintenance and Trouble shooting Lab	2022-23	Employability: Data communication and networking involve transmitting and receiving data over interconnected systems efficiently.
	ELESEP05	Electronics- Project Work	2022-23	Skill development: Data communication and networking lab focuses on configuring and testing network protocols and communication technologies efficiently.
	ELESET06	Vlsi Design	2022-23	Employability: VLSI design involves creating and optimizing integrated circuits for efficient functionality.
	ELESEP06	Vlsi Design Lab	2022-23	Skill development: VLSI design lab focuses on designing and testing integrated circuits effectively
	ELESET07	Internet Of Things	2022-23	Employability: IoT connects devices to exchange data for smart, interconnected functionalities globally.
	ELESEP07	Internet Of Things Lab	2022-23	Skill development: IoT lab explores designing, testing, and implementing Internet of Things applications effectively
	ELESET08	Verilog Hdl With Programming	2022-23	Employability: Verilog-HDL programming designs and simulates digital circuits for hardware implementation efficiently.
	ELESEP08	Verilog Hdl With Programming Lab	2022-23	Skill development: Verilog-HDL programming lab practices designing and testing digital circuits effectively.
	ENGT11A	English-I	2016-17	Employability & Skill development : It helps students develop critical thinking as well as analytical ability, and makes them Job-ready. Activity conducted: JAM
	ENGT21A	English-II	2016-17	This course is enriching the students reading, writing and learning abilities so they can pursue their personal, academic and career goals through the acquisition and improvement of English language skills. Activity conducted: JAM

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ENGLISH	ENG T15	Business English-I	2019-20	This course helps the learner to understand the basics of communication, its nature, types, barriers to communication, principles of letter writing, quotations, orders and tenders, claim and adjustment letters. Activity conducted: Letter Writing
	ENG T25	Business English-II	2019-20	This course facilitates the learner to develop the skills in writing sales, circular, credit and collection letters, writing business and technical reports by understanding the basics of structure and planning of report writing. Activity conducted: Role Play
	ENGT01	English-III	2016-17	This course guides the learner in writing inter office memorandum, press release, fax, agenda and minutes, application for jobs, employment interview and group discussions, and preparing the students ready for industry. Activity conducted: Book reading
	ENGT02	English-III	2019-20	This course is to focus on enriching higher order skills, such as analytical skills, problem solving, reviewing and critical thinking. Activity conducted: Group Discussion
	AEC 006	Communication & Soft Skills – II	2016-17	This Course enhances the basic understanding and learning of good oral communication, student personalities. In workplace, softskills are considered to complement their hard skills, which refer to person's knowledge and occupational skills. Activity Conducted: Preparation to competitive exams
	AEC 010	Communication & Soft Skills -III	2016-17	This course enhances the basic understanding and learning of Interpersonal skills, Organizational behaviour, Emotional intelligence and aspects of good Conflict management and occupational strategies etc., Activity conducted: Mock Interviews
	AEC 015	Business Communication & Soft Skills – III	2018-19	This course enhances the basic understanding and learning of Interpersonal skills, Organizational behaviour, Emotional intelligence and aspects of good Conflict management and occupational strategies etc., Activity conducted: Paper presentation

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	AEC 016	Value Education	2018-19	This course helps in focusing more on development of sound skills than profound values that can guide how to lead the life of happiness and prosperity by cultivating harmony with one self, family, society and the whole existence. Activity conducted: Peer Learning.
	PHYT11B	Mechanics, waves & Oscillations	2020-21	Employability: The fundamental principles of classical mechanics help to develop solid and systematic problems solving skills and to lay the foundation for further studies in Physics
	PHYP11B	Mechanics, waves & Oscillations Lab	2020-21	Skill Development: Develop experimental methods for characterizing material and component behaviour
	PHYT21B	Wave Optics	2020-21	Employability: By understanding the nature of light, its propagation and interaction with matter which is essential to constantly emerging newest technologies.
	PHYP21B	Wave Optics Lab	2020-21	Skill development: Provide hands-on experience in optics
	SDCPHYP01	ELECTRICAL APPLIANCES	2021-22	Employability & Skill Development: Studying the electrical performance and power consumption of a given number of bulbs connected in series and parallel circuits
	PHYIAP5	Internship in Physics	2022-23	Employability & Skill development: Students are exposed to practical knowledge in Physical and electronics tools which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.
	PHYIAP6	Internship in Physics	2022-23	Employability & Skill development: Students are exposed to practical knowledge in Physical and electronics tools which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.

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PHYSICS	SDCPHYP02	SOLAR ENERGY	2021-22	Employability & Skill development: Plot sun chart and locate the sun at your location for a given time of the day. 2. Analyse shadow effect on incident solar radiation and find out contributors. 3. Connect solar panels in series & parallel and measure voltage and current. 4. Measure intensity of solar radiation using Pyranometer and radiometers. 5. Construct a solar lantern using Solar PV panel (15W) 6. Assemble solar cooker 7. Designing and constructing photovoltaic system for a domestic house requiring 5kVA power 8. Assignments/Model Exam.
	PHYT31A	Heat And Thermodynamics	2021-22	Employability: To understand the nature of light, its propagation and interaction with matter which is essential to constantly emerging newest technologies.
	PHYP31A	Heat And Thermodynamics Lab	2021-22	Skill development: by understanding the basic properties of matter and it is essential for industrial applications.
	PHYT41A	Electricity, Magnetism And Electronics	2021-22	Employability : Assignments (in writing and doing forms on the aspects of syllabus content and outside the syllabus content. Shall be individual and challenging) □ Student seminars (on topics of the syllabus and related aspects (individual activity)) Quiz (on topics where the content can be compiled by smaller aspects and data (Individuals or groups as teams)
	PHYP41A	Electricity, Magnetism And Electronics lab	2021-22	Skill development: The oral and written examinations (Scheduled and surprise tests), Practical assignments and laboratory reports, Observation of practical skills, Efficient delivery using seminar presentations, Viva voce interviews.
	PHYT01	Modern Physics	2021-22	Employability: Gain the knowledge of physical concepts and theories of modern physics.
	PHYP01	Modern Physics Lab	2021-22	Skill development: demonstrate a working knowledge of physics-related technical and laboratory skills including data analysis.
	PHYSET01	Applications Of Electricity And Electronics	2022-23	SKILL Development
	PHYSEP01	Applications Of Electricity And Electronics Lab	2022-23	SKILL Development
	PHYSET02	Electronic Instrumentation	2022-23	SKILL Development
	PHYSEP02	Electronic Instrumentation Lab	2022-23	SKILL Development
	PHYSET03	Optical Imaging And Photography	2022-23	SKILL Development
	PHYSEP03	Optical Imaging And Photography Lab	2022-23	SKILL Development

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	PHYSET04	Optical Instruments And Optometry	2022-23	SKILL Development
	PHYSEP04	Optical Instruments And Optometry Lab	2022-23	SKILL Development
	PHYSET05	Low Temperature Physics And Refrigeration	2022-23	SKILL Development
	PHYSEP05	Low Temperature Physics And Refrigeration Lab	2022-23	SKILL Development
	PHYSET06	Solar Energy And Applications	2022-23	SKILL Development
	PHYSEP06	Solar Energy And Applications Lab	2022-23	SKILL Development
	STAT11B	Descriptive Statistics and Theory of Probability	2019-20	Skill development : Descriptive statistics and probability theory are two fundamental concepts that go hand in hand in data analysis. Descriptive statistics provides a way to summarize and organize data, while probability theory helps us understand the likelihood of events occurring.
	STAP11B	Descriptive Statistics	2019-20	Skill development : Descriptive statistics is a collection of methods to describe the basic features of a data set. It provides ways to condense large amounts of data into summary measures that can be easily interpreted
	STAT12	Descriptive Statistics for Business Analytics	2017-18	Skill development : Descriptive statistics are the workhorse of business analytics. They provide the initial summary and understanding of your data, allowing you to identify trends, patterns, and potential areas for further analysis. Here's a breakdown of how descriptive statistics are used in business analytics
	STAT14	DESCRIPTIVE MEASURES AND THEORY OF PROBABILITY	2021-22	Skill development: Descriptive statistics and probability theory are two cornerstones of data analysis, working together to give you a deeper understanding of your data
	STAP14	DESCRIPTIVE MEASURES LAB	2021-22	Skill development : This is a sample outline for a descriptive measures lab. The specific content and activities will vary depending on your field and the software you'll be using
	STA T21B	Statistical Methods	2019-20	Skill development : Statistical methods are a broad collection of tools and techniques used to collect, analyze, interpret, and draw conclusions from data. They play a vital role in various fields, from science and engineering to business and social sciences. Here's a breakdown of the key concepts and applications of statistical methodsAbility to solve problems on probability distributions

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	STA P21B	Statistical Methods Lab	2019-20	Skill development : Statistical methods are a broad collection of tools and techniques used to collect, analyze, interpret, and draw conclusions from data. They play a vital role in various fields, from science and engineering to business and social sciences. Here's a breakdown of the key concepts and applications of statistical methodsAbility to solve problems on probability distributions
	STAT21C	Probability Distributions and Statistical Methods	2019-20	Skill development : Probability distributions and statistical methods are two fundamental concepts that go hand in hand when it comes to data analysis. While statistical methods provide the tools to analyze data, probability distributions give us a framework to understand the likelihood of specific outcomes within that data. Ability to solve problems on probability distributions & concepts of Various Statistical tools
	STAP21C	Probability Distributions and Statistical Methods Lab	2019-20	Skill development : Probability distributions and statistical methods are two fundamental concepts that go hand in hand when it comes to data analysis. While statistical methods provide the tools to analyze data, probability distributions give us a framework to understand the likelihood of specific outcomes within that data. Ability to solve problems on probability distributions & concepts of Various Statistical tools
	STAT22	Quantitative Methods for Managers	2017-18	Skill development : Quantitative methods equip managers with a powerful toolkit to translate data into actionable insights for better decision-making. Here's a breakdown of how quantitative methods benefit managers across various areasIt helps to develop the numerical skills of Statistical measures
	STAT23	Statistical Methods and their Applications	2016-17	Skill development : Statistical methods are a powerful toolbox for anyone who wants to make sense of data. They provide a range of techniques for collecting, analyzing, interpreting, and drawing conclusions from data. These methods are used extensively in various fields, from science and engineering to business and social sciences

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	STAT24	Business Statistics	2017-18	Skill development : Business statistics is the art and science of collecting, analyzing, interpreting, and presenting data to inform business decisions. It's a crucial field in today's data-driven business world, empowering companies to understand their customers, operations, and market performance. It helps to develop the numerical skills of Statistical measures
	STAT25A	Probability Distributions and Inferential Statistics for Business Analytics	2017-18	Skill development : Probability distributions and inferential statistics are two powerful tools that go hand-in-hand in business analytics. Here's how they work together to unlock valuable insights from data
	STAT27	Statistical Methods and Probability Distributions	2021-22	Skill development : Statistical methods and probability distributions are the cornerstones of data analysis, working together to give you a deeper understanding of your data. Here's a breakdown of their roles
	STAP27	Data Analysis using SPSS	2021-22	Skill development : SPSS, standing for Statistical Package for the Social Sciences, is a powerful software program widely used for data analysis.
	STAT28	STATISTICAL METHODS AND PROBABILITY DISTRIBUTIONS	2021-22	Skill development: Statistical methods and probability distributions are the cornerstones of data analysis, working together to unlock the secrets hidden within your data. Here's a breakdown of their individual roles and how they work in tandem
	STAP28	STATISTICAL DATA ANALYSIS USING SPSS LAB	2021-22	Skill development : SPSS, standing for Statistical Package for the Social Sciences, is a powerful software program widely used for data analysis.
	STAT31B	PROBABILITY DISTRIBUTIONS AND STATISTICAL INFERENCE	2021-22	Skill development : Probability distributions and statistical inference are two fundamental concepts that go hand-in-hand in data analysis. While probability distributions describe the likelihood of different outcomes, statistical inference allows you to draw conclusions about a larger population based on a sample
	STAT31C	STATISTICAL INFERENCE	2021-22	Skill development: Statistical inference is a powerful branch of statistics that allows you to draw conclusions about a larger population (all customers) based on a smaller sample (survey group).

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statistics	STAP31C	Statistical Inference Lab	2021-22	Skill development: Statistical inference is a powerful branch of statistics that allows you to draw conclusions about a larger population (all customers) based on a smaller sample (survey group).
	STAT34A	Applied Statistics For Business Analytics	2021-22	Skill development: Applied statistics for business analytics equips you with the tools and techniques to transform raw data into actionable insights that drive better business decisions. It's the bridge between statistical theory and real-world business problems.
	STAT35	STATISTICAL METHODS FOR COMPUTER APPLICATIONS	2021-22	Skill development : Statistical methods play a crucial role in various computer applications, from understanding user behavior to developing algorithms that can learn and adapt
	STAT36	PROBABILITY DISTRIBUTIONS AND TESTING OF HYPOTHESIS	2021-22	Skill development: Probability distributions and hypothesis testing are two essential concepts that go hand-in-hand in statistical analysis. They work together to unlock the secrets hidden within your data, allowing you to make informed decisions based on evidence
	STAT37	INFERENTIAL STATISTICS	2021-22	Skill development : Inferential statistics is a powerful branch of statistics that allows you to draw conclusions about a larger population (all customers) based on a smaller sample (survey group). It's like making an educated guess about the whole picture from a smaller piece of the puzzle.
	STAP37	Statistical Data Analysis Using Spss-II	2022-23	Skill development : SPSS, standing for Statistical Package for the Social Sciences, is a powerful software program widely used for data analysis.
	STAT41B	SAMPLING TECHNIQUES AND DESIGN OF EXPERIMENTS	2021-22	Empolyability & Skill development : Obtaining reliable data is crucial for any analysis, and sampling techniques and design of experiments (DOE) are the cornerstones of this process. They work together to ensure your data accurately reflects the population you're interested in and that your experiment provides clear, unbiased results

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	STAP41B	Sampling Techniques And Design Of Experiments Lab	2021-22	Empolyability & Skill development : Obtaining reliable data is crucial for any analysis, and sampling techniques and design of experiments (DOE) are the cornerstones of this process. They work together to ensure your data accurately reflects the population you're interested in and that your experiment provides clear, unbiased results
	STAT45A	Applied Operations Research	2021-22	Empolyability & Skill development : Applied operations research (OR) is all about using analytical methods and mathematical models to solve real-world problems and optimize decision-making processes. It's like having a powerful toolbox filled with quantitative techniques to improve efficiency, reduce costs, and make better choices across various industries.
	STAT01	Applied Statistics	2021-22	Empolyability & Skill development ; Applied statistics bridges the gap between theoretical statistical concepts and real-world problems. It equips you with the tools and techniques to transform raw data into actionable insights that drive better decision-making across various fields
	STAP01	Applied Statistics Lab	2021-22	Empolyability & Skill development ; Applied statistics bridges the gap between theoretical statistical concepts and real-world problems. It equips you with the tools and techniques to transform raw data into actionable insights that drive better decision-making across various fields
	SDCSTAT02	DESCRIPTIVE STATISTICS	2021-22	Skill development : Descriptive statistics is a collection of methods to describe the basic features of a data set. It provides ways to condense large amounts of data into summary measures that can be easily interpreted
	SDCSTAP01	STATISTICAL DATA ANALYSIS USING SPSS LAB	2021-22	Skill development : SPSS, standing for Statistical Package for the Social Sciences, is a powerful software program widely used for data analysis.
	STAIP5	Internship in Statistics	2020-21	Empolyability & Skill development : I can definitely help you with that! Here's a refined response combining the strengths of previous information and addressing potential shortcomings:

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	STAIP6	Internship in Statistics	2020-21	Employability & Skill development : I can definitely help you with that! Here's a refined response combining the strengths of previous information and addressing potential shortcomings:
	STASET01	Operations Research-I	2022-23	Skill Development Employability : Operations Research (OR) I, often the first course in an OR program, equips you with the fundamental concepts and techniques used to optimize decision-making processes across various industries. Here's a breakdown of what you might encounter in Operations Research-I
	STASEP01	Statistical Data Analysis Using Spss And Or-I	2022-23	Skill development : SPSS, standing for Statistical Package for the Social Sciences, is a powerful software program widely used for data analysis.
	STASET02	Operations Research-II	2022-23	Skill Development Employability : Building upon the foundation of Operations Research (OR) I, Operations Research-II delves deeper into advanced techniques and applications to tackle even more complex decision-making challenges. Here's a glimpse into what you might encounter in this course:
	STASEP02	Statistical Data Analysis Using Spss And Or-ii	2022-23	Skill development : SPSS, standing for Statistical Package for the Social Sciences, is a powerful software program widely used for data analysis.
	STASET03	Regression Analysis	2022-23	Skill Development Employability : Regression analysis is a statistical technique used to model the relationship between a dependent variable (what you're trying to predict) and one or more independent variables (factors you believe influence the dependent variable). It's a cornerstone of data analysis
	STASEP03	Data Analysis Using Spss	2022-23	Skill development : SPSS, standing for Statistical Package for the Social Sciences, is a powerful software program widely used for data analysis.

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	STASET04	Multivariate Techniques	2022-23	Skill Development Employability : Multivariate techniques are a powerful set of statistical methods used to analyze data that contains multiple variables at once. Unlike univariate analysis, which focuses on a single variable, multivariate techniques allow you to explore the relationships and dependencies between these multiple variables. This can provide a much richer and more nuanced understanding of the data you're working with. Here's a breakdown of key concepts and techniques in multivariate analysis
	STASEP04	Multivariate Data Analysis Using 'R'	2022-23	Skill Development Employability : R, a powerful open-source programming language, is a popular choice for performing multivariate data analysis. Its extensive capabilities and vast collection of packages make it ideal for exploring complex relationships between multiple variables.
	STASET05	Sqc & Reliability	2022-23	Skill Development Employability : You're absolutely right! SQC (Statistical Quality Control) and Reliability go hand-in-hand in ensuring consistent quality and minimizing the risk of failures in production and service industries. Here's a breakdown of their roles and how they work together:
	STASEP05	Sqc & Reliability Lab	2022-23	Skill Development Employability : You're absolutely right! SQC (Statistical Quality Control) and Reliability go hand-in-hand in ensuring consistent quality and minimizing the risk of failures in production and service industries. Here's a breakdown of their roles and how they work together:
	STASET06	Computational Techniques And R Programming	2022-23	Skill Development Employability : Absolutely! R programming is a powerful tool for implementing various computational techniques in statistical analysis and data science.
	STASEP06	Computational Techniques Using Excel & R	2022-23	Skill Development Employability : Both Excel and R are valuable tools for performing computational techniques on data, but they excel in different areas.

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	SDCCCHET02	ENVIRONMENTAL AUDIT	2021-22	Skill :Visit to understand Institutional arrangements and functioning of Pollution Control Boards. 2. Visiting different Ecosystems 3. Soil analysis: Determination of soil type and texture, pH, Soil Moisture, Nitrogen, Potassium and Phosphorous. 4. Water analysis: Determination of pH, Dissolved solids and suspended solids, Dissolved Oxygen, COD, BOD. 5. Assignments, Group discussion, Quiz etc.
	CHE11A	Inorganic and Physical Chemistry	2015-16	Employability:To understand the basics of chemistry
	CHEP11A	Analysis of Salt Mixture Lab	2015-16	Skill: To know the reactions of anions and cations in a simple salt
	CHE T21A	Organic and General Chemistry	2015-16	Employability: To known the elements in the s & p blocks and gain the knoledge of hydrocarbons
	CHE P21A	Volumetric Analysis Lab	2015-16	Skill, Employability: To know the reactions of anions and cations in mixture
	CHET31A	ORGANIC CHEMISTRY AND SPECTROSCOPY	2021-22	Employability: To understand the general characteristics of d&f block ,know the general methods of organic compounds
	CHEP31A	ORGANIC PREPARATIONS AND IR SPECTRAL ANALYSIS	2021-22	Skill: To gain the knowledge of functional groups of organic compounds
	CHET41A	INORGANIC AND PHYSICAL CHEMISTRY	2021-22	Employability,Entrepreneurship: To know the general principles involved spectroscopic methods
	CHEP41A	CONDUCTO METRIC AND POTENTIO METRIC TITRIMETRY LAB	2021-22	Employability,Entrepreneurship:To understand IR spectral analysis of different organic compounds
	CHET01	INORGANIC, ORGANIC AND PHYSICAL CHEMISTRY	2021-22	Skill,Employability :Monitoring the progress of student's learning Class Tests, Work sheets and Quizzes Presentations, Projects and Assignments and Group Discussions: Enhances critical thinking skills and personality Semester-end Examination: critical indicator of student's learning and teaching methods adopted by teachers throughout the semester.
	CHEP01	ORGANIC QUALITATIVE ANALYSIS LAB	2021-22	Skill,Employability: Analysis of an organic compound through systematic qualitative procedure for functional group identification including the determination of melting point and boiling point with suitable derivatives. Alcohols, Phenols, Aldehydes, Ketones, Carboxylic acids, Aromatic primary amines, amides and simple sugars

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CHEMISTRY	SDCCCHET02	Environmental Audit	2021-22	Skill:Analyze a process and identify how it may be made more environmentally friendly/sustainable/green
	CHEIAP6	Internship In Chemistry	2022-23	Skill,Employability:Students are exposed to practical knowledge in chemistry which enabled them to develop their project development skills and helped them in enhancing their skills as well as improving employability opportunities.
	CHESET01	Analytical Methods In Chemistry-1	2021-22	Employability:To understand the importance of analytical methods treatment of analytical data ,error analysis used in research and industry
	CHESEP01	Analytical Methods In Chemistry-1 Lab	2021-22	Skill:To know the general characteristics of the analytical methods used in drugs ,foods and dairy products
	CHESET02	Analytical Methods In Chemistry-2	2021-22	Employability:Students will acquire collaborative knowledge through working in a team to analysis of drugs using HPLC instrument to achieve the project goals
	CHESEP02	Analytical Methods In Chemistry-2 Lab	2021-22	Skill , Entrepreneurship: Students will acquire collaborative skills through working in a team to analysis of drugs using HPLC instrument to achieve the project goals
	CHESET03	Synthetic Organic Chemistry	2021-22	Employability: To understand general methods of organic compounds and their reactions
	CHESEP03	Synthetic Organic Chemistry Lab	2021-22	Skill:To understand general methods of organic compounds and their reactions
	CHESET04	Analysis Of Organic Compounds	2021-22	Entrepreneurship, Skill: to understand the significance of paper, TLC, Column, GC & HPLC in separation and identification of compounds
	CHESEP04	Analysis Of Organic Compounds Lab	2021-22	Skill: Acquire skills in using column chromatography for the separation of dye mixture
	CHESET05	Industrial Chemistry-1	2021-22	Employability: Understand the concepts related to fertilizers, silicates, surface coatings, sugar chemistry & paper industry
	CHESEP05	Industrial Chemistry-1 Lab	2021-22	Skill: Acquire skills in using colorimetry, phosphoric acid in superphosphate fertilizer Calcium in Calcium ammonium nitrate fertilizer

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	CHESET06	Industrial Chemistry-2	2021-22	Employability: Understand the significance of the concepts related to Organic polymers, prevention of air pollution water analysis methods and industrial management techniques
	CHESEP06	Industrial Chemistry-2 Lab	2021-22	Skill: procedures for the determination of BOD and COD determination of chloride in the given water sample determining the hardness of water
	MATT11A	Differential Equations	2020-21	Skill development : It helps to solve problems in real life situations.
	MATT14A	Elementary Mathematics	2017-18	Skill development : Assignment on finding and solving problems with the use of matrices and integration, differentiation.
	MATT16	Numerical Analysis & Special Functions	2020-21	Skill development : Assignment on solving problems of indefinite integrals and numerical methods
	MATT21A	Three Dimensional Geometry	2020-21	Skill development : It develops the skill to solve the problems on planes, lines, spheres, cones and cylinders.
	MATT21B	REAL ANALYSIS	2021-22	Skill development : Seminar on concepts of limits, Continuity, differentiation and mean value theorems.
	MATT28	Mathematics For Data Science	2020-21	Skill development : seminar and different types of graphs and its applications
	LSCT03	ANALYTICAL SKILLS	2020-21	Skill development : This course enhances the basic understanding and learning of arithmetic ability,quantative ability,logical reasoning and speed maths etc., .It forms an important part of almost all placements like INFOSYS,WIPRO,TCS,COGNIZANT ,HCL,HEXaware etc.,
	LSCT14	QUANTITATIVE APTITUDE	2020-21	Skill development : This course enhances the basic understanding and learning of arithmetic ability,quantative ability,logical reasoning and speed maths etc., .It forms an important part of almost all placements like INFOSYS,WIPRO,TCS,COGNIZANT ,HCL,HEXaware etc.,
	LSCT15	REASONING	2020-21	This course enhances the basic understanding and learning of arithmetic ability,quantative ability,logical reasoning and speed maths etc., .It forms an important part of almost all placements like INFOSYS,WIPRO,TCS,COGNIZANT ,HCL,HEXaware etc.,

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MATHS	AOCT26	Mathematical Modeling	2021-22	Skill development : Modeling change over time or in space using differential equations.
	MATT31	ABSTRACT ALGEBRA	2021-22	Skill development : Seminar on concepts of limits, Continuity, differentiation and mean value theorems.
	MATT36	Linear Algebra And Numerical Methods	2021-22	Skill development : Seminar on different types of graphs and its applications.
	MATT01	REAL ANALYSIS	2021-22	Skill development : Seminar on concepts of limits, Continuity, differentiation and mean value theorems.
	MATT01A	SOLID GEOMETRY	2021-22	Skill development : Seminar on different types of graphs and its applications.
	MATT03	LINEAR ALGEBRA AND MATRICES	2021-22	Skill development : Seminar on concepts of linear algebra and matrices
	MATT210	CALCULUS AND DIFFERENTIAL EQUATIONS	2021-22	Skill development : Seminar on lattices and boolean algebra.
	MATT41A	Linear Algebra	2020-21	Skill development : It helps to develop skills on different applications of matrix theory.
	MATT44A	Differential Equations	2021-22	Skill development : It helps to solve problems in real life situations.
	MATT45	LINEAR ALGEBRA & MATRICES	2021-23	Skill development : Seminar on different types of graphs and its applications.
	MATSET01	Numerical Methods	2022-23	Skill development : Assignment on solving problems and numerical methods
	MATSET02	Mathematical Special Functions	2022-23	Skill development : Assignment on solving problems of indefinite integrals.
	MATSET03	Multiple Integrals And Applications Of Vector Calculus	2022-23	Skill development : It helps to solve problems in real life situations.
	MATSET04	Integral Transforms With Applications	2022-23	Skill development : Applications to real life problems.
	MATSET05	Partial Differential Equations And Fourier Series	2022-23	Skill development : It develops the skills to solve wave equations and heat equations.
	MATSET06	Number Theory	2022-23	Skill development : Problem solving skill is developed by using number theory.
	SDCMATT01	Analytical skills	2021-22	Skill development : Effectively express the concepts and results of Number Theory. construct mathematical proofs of statements and find counterexamples to false statements in Number Theory. collect and use numerical data to form conjectures about the integers.

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ZOOLOGY	SDCZOOP01	AQUARIUM MAINTENANCE AND FISH KEEPING	2021-22	Maintenance Water change duty Algae scraping duty Feeding duty Brine shrimp hatchery duty Filter cleaning and maintenance Monitoring Graphing of water parameters Updated list of inhabitants Record keeping of long-term inhabitants Feeding shows
	ZOOT11 A	Animal Diversity - Biology of Non-Chardates	2020-21	This declaine matters because of the enormous benefits invertibrates such as insects, spiders,crustaceans, slugs and worms bring to our day to day lives.
	ZOOP11A	Animal Diversity - Biology of Non-Chardates Lab	2020-21	An invertebrate refers to any of the animals lacking a vertebral coulmn. The term invertebrate came from the latin.
	ZOO T21A	Animal Diversity-Biology of Chordates	2020-21	As chordates, vertebrates have the same common features a notochord, adorsal hollow nerve cord, pharyngeal slits and post anal tail.
	ZOO P21A	Animal Diversity- Biology of Chordates Lab	2020-21	In addition to the skeletal sysytem, vertebrates have many other complex organ systems including a closed circulatory system.
	ZOOT31A	CELL BIOLOGY, CELLULAR METABOLISM, GENETICS, ORGANIC EVOLUTION AND ANIMAL BEHAVIOUR	2020-21	Genetics can help us to understand why people look the way the do and why some people are more prone to certain diseases than others.
	ZOOP31A	CELL BIOLOGY, CELLULAR METABOLISM, GENETICS, ORGANIC EVOLUTION AND ANIMAL BEHAVIOUR	2020-21	The biochemical genetic laboratory is concerned with the evaluation and diagnosis of patients and families with inherited metabolic disease.
	ZOOT41	EMBRYOLOGY, ANIMAL PHYSIOLOGY AND ECOLOGY	2020-21	Embryology is the discipline concerned with the study of embryogenesis.
	ZOOP41	EMBRYOLOGY, ANIMAL PHYSIOLOGY AND ECOLOGY LAB	2020-21	Who are new to either fertility treatment or egg freezing for fertility preservation.
	ZOOT02	IMMUNOLOGY AND ANIMAL BIOTECHNOLOGY	2020-21	Organizing awareness on immunization importance in local village in association with NCC and NSS teams <input type="checkbox"/> Charts on types of cells and organs of immune system <input type="checkbox"/> Student study projects on aspects such as – identification of allergies among students (hypersensitivity), blood groups in the class (antigens and antibodies duly reported) etc., as per the creativity and vision of the lecturer and students

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	ZOOP02	IMMUNOLOGY AND ANIMAL BIOTECHNOLOGY LAB	2020-21	Visit to biotechnological laboratory in University or any central/state institutes and create awareness on PCR, DNA finger printing and blot techniques or Visit to a fermentation industry or Visit to a local culture pond and submit report on culture of fishes etc.
	SDCZOOP01	Aquarium Fish Keeping And Maintenance Of Aquarium	2021-22	maintain quality (appearance, texture, flavor and nutritive value) to protect food safety, and. to reduce losses between harvest and consumption.
	ZOOSET01	Sustainable Aquaculture Management	2022-23	Sustainable aquaculture focuses on environmental, economic, and social sustainability to improve capacity building and utilize land effectively for the aquaculture sector.
	ZOOSEP01	Sustainable Aquaculture Management Lab	2022-23	improvement of natural stocks through artificial recruitment and transplantation; production of sport fish
	ZOOSET02	Post-Harvest Technology of Fish And Fisheries	2022-23	maintain quality (appearance, texture, flavor and nutritive value) to protect food safety, and. to reduce losses between harvest and consumption.
	ZOOSEP02	Post-Harvest Technology of Fish And Fisheries Lab	2022-23	To provide skill on postharvest loss reduction through processing of fruits and vegetables. To facilitate the students with knowledge and activities of food processing industries and drive towards entrepreneurship
	ZOOSET03	Live Stock Management-I (Biology Of Dairy Animals)	2022-23	To provide quality breeding services to enhance productivity. Upgradation and conservation of indigenous breeds.
	ZOOSEP03	Live Stock Management-I (Biology Of Dairy Animals) Lab	2022-23	Animal husbandry helps in the proper management of animals by providing proper food, shelter and protection against diseases to domestic animals.
	ZOOSET04	Live Stock Management -II (Dairy Production And Management)	2022-23	good health, comfort and protection from inclement weather and which would enable the animals to utilize their genetic ability and feed for optimal production.
	ZOOSEP04	Live Stock Management -II (Dairy Production And Management) Lab	2022-23	a fundamental goal that ensures the economic viability of agricultural operations.
	ZOOSET05	Poultry Management- I (Poultry Farming)	2022-23	The main purpose of Poultry Farming is the production of eggs, meat, etc. Numerous chickens were grown in poultry farms for the production of eggs and meat

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	ZOOSEP05	Poultry Management- I (Poultry Farming) Lab	2022-23	To develop location specific chicken varieties and their dissemination for village poultry.
	ZOOSET06	Poultry Management -II (Poultry Production And Management)	2022-23	source of income and back yard poultry farming significantly contributes to rural livelihoods.
	ZOOSEP06	Poultry Management -II (Poultry Production And Management) Lab	2022-23	Conservation, improvement, characterization and application of local native and elite layer and broiler germplasm.
	ZOOSET07	Seri Culture-I (Biology And Cultivation of Mulbery)	2022-23	improve the quality and quantity production of seed cocoon and reeling cocoons with financial support for construction of rearing house cocooning shed, and rearing equipments.
	ZOOSEP07	Seri Culture-I (Biology And Cultivation of Mulbery) Lab	2022-23	Sericulture contributes to the economy by providing employment, promoting silk trade, and supporting agroforestry through mulberry cultivation.
	ZOOSET08	Seri Culture-II (Biology And Cultivation of Mulbery)	2022-23	Development of Sericulture for sustainable growth and generation of gainful employment. To improve the quality and quantity of production through induction of modern technology in Sericulture.
	ZOOSEP08	Seri Culture-II (Biology And Cultivation of Mulbery) Lab	2022-23	Silk production through sericulture is an important contributor to sustainable development and rural economies

S.N O	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
1	Managing People & Organizations	BA111	MBA	2017-18	Creating an idea about management and organisation behavioural principles and to become management consultant.
2	Managerial Economics	BA112	MBA	2017-18	Foudation Course for Different branches of Management
3	Quantitative Techniques for Business Decisions	BA117	MBA	2017-18	It helps to solve Manegerial problems
4	Business, Government & Society	BA114	MBA	2017-18	The dynamics of interplay among Business, Government and Society is explained with Roleplays, Delphi techniques helps the students to be employed in public and private sectors.
5	Managerial Communication	BA115	MBA	2017-18	Improves employability skills
6	Accounting for Managers	BA116	MBA	2017-18	Provides basic Understanding and application of course concepts to analyse common business management problems from a financial perspective
7	Growth Lab	GE01A	MBA	2017-18	Activities that persuade and helps in improving the overall personality to meet industry requirements.
8	Legal framework of Business	GE02	MBA		Make the students aware about inidutrial laws and helps in managing the small scale industries.
9	Emotional Intelligence and Managerial Effectiveness	GE03	MBA	2017-18	Emotional Intelligence plays a vital role for balanced decision making
10	Marketing Management	BA211	MBA	2017-18	Activities such as Case Studies, Market Simulation, Sales Pitch helps the students to get practical perspective and enhances their employability skills.
11	Human Resource Management	BA212	MBA	2017-18	To develop the students' ability to become a trainer in human resource management and development.
12	Financial Management	BA213	MBA	2017-18	Provides an understanding of the overall role and importance of the finance function and Demonstrates basic finance management knowledge
13	Operations Management	BA214	MBA	2017-18	Provides skills in managing inventory, quality, and operations
14	Business Research Methods	BA217	MBA	2017-18	It helps to develop Research and Development
15	Entrepreneurship Development & Business Models	BA216	MBA	2017-18	Creating awareness to the students about entrepreneurship and its importance in the present scenario, and explaining the different business models to become entrepreneurs.
16	Life Skills	GE04	MBA	2017-18	Taking choices of life and balancing with social norms
17	Industry and Business Domain Analysis	GE05	MBA	2017-18	Enhances nalsing ability of any Industry /To Analyze company as well as Industry.
18	Any Online Course NPTEL/SWAYAM/edX/Coursera/Stanford Online/ /OpenClassrooms/ UDEMY / Open2Study/ ALISON/ Khan Academy/ NSE- NCFM/IRDA/NISM/ Any course related to MBA from the authentic sources with prior permission.	GE06	MBA	2017-18	Students are expose to be self learning mode and will be getting certifications by world leading MOOCs. This will be enchance students employability skills
19	Spread Sheet & Computerised Accounting Package	GE15	MBA	2017-18	Simplify the data entry work and enables financial statements and automatic charts.
20	Strategic Management	BA311	MBA	2017-18	To develop the strategic skills among the students to become a strategic planner and consultancy.

S.N O	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
21	Innovation Management	BA312	MBA	2017-18	Exposing learners with business models, design thinking, and The Fifth Discipline of Peter Senge helps the learners to be more innovative and entrepreneurial in nature.
22	Business Analytics for Decision Making	BA313	MBA	2017-18	It helps to take Managerial decision Making.
23	Consumer Behaviour & Marketing Research	BA321	MBA	2017-18	Imparts knowledge about consumers and their insights.
24	Product and Brand Management	BA322	MBA	2017-18	Helps to understand how branding plays a vital role in product management
25	Services Marketing	BA323	MBA	2017-18	Activities such as Case Studies in service marketing helps the students to get practical perspective and enhances their employability skills.
26	Integrated Marketing Communications	BA324	MBA	2017-18	The exposure to ad making, copy design, sales promotion techniques helps students to be placed in marketing jobs
27	Human Resource Planning	BA331	MBA	2017-18	To develop the students' ability to become a trainer in human resource management and development.
28	Industrial Relations & Employment Laws	BA332	MBA	2017-18	make the students aware about industrial laws and helps in managing the small scale industries.
29	Performance & Reward Management	BA333	MBA	2017-18	To develop the students' ability to become a trainer in human resource management and development.
30	Organization Development and Change	BA334	MBA	2017-18	Addresses and build the capacity to change and achieve greater effectiveness.
31	Financial Institutions & Markets	BA341	MBA	2017-18	Enhances strong financial-analytical skills to solve investment problems in the area of financial markets and instruments.
32	Security Analysis & Portfolio Management	BA342	MBA	2017-18	Meets industry requirement in providing knowledge about Portfolio management
33	Corporate Finance	BA343	MBA	2017-18	Imparts knowledge that how corporations deal with funding sources, capital structuring, accounting, and investment decisions.
34	Mergers & Acquisitions	BA344	MBA	2017-18	Case studies of various M&A will be discussed. Students will be get critical understanding about how to take complex decisions
35	Business Opportunities in Emerging Economies	BA351	MBA	2017-18	Business models, Startup ideas & scanning of Business Environment by continuous observation of Business News helps to students to enhance their entrepreneurial quotient.
36	Basic Management Aspects of Startups and SMEs	BA352	MBA	2017-18	conduction of startups Saturdays by inviting entrepreneurs helped our students to pursue innovative ideas.
37	Venture Capital & Private Equity	BA353	MBA	2017-18	The Financing options provided by Venture Capital & Private Equity forms are discussed. This will help in running business successful
38	Entrepreneurial Ecosystem in India	BA354	MBA	2017-18	To make the students to adapt the aculture of entrepreneurial eco-system
39	Leadership	GE08	MBA	2017-18	To create awareness among the students about leadership traits, styles, theories to lead a business.
40	Creativity & Innovation	GE09	MBA	2017-18	The lateral thinking skills are imparted coupled with simulation games will spur the creative quotient among learners.

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41	<u>NPTEL/SWAYAM/edX/Coursera/Stanford Online/Udacity/ OpenClassrooms/ Open2Study/ ALISON/ Khan Academy/ NSE-NCFM/IRDA/NISM/ Any course related to MBA from the authentic sources with prior permission.</u>				Students are exposed to be self learning mode and will be getting certifications by world leading MOOCs. This will enhance students employability skills
42		GE10	MBA	2017-18	
43	Project Work	BA361	MBA	2017-18	Students are exposed to practical knowledge in various outside organizations including Industrial establishment, service organizations, Governmental agencies. This will enhance students employability skills
44	International Business	BA411	MBA	2017-18	Imparts knowledge to work in global business environment
45	Sales & Distribution Management	BA421	MBA	2017-18	Enhances customer satisfaction and earning long-term loyalty by building stronger relationships between business and customer.
46	Retail Management	BA422	MBA	2017-18	Helps to understand the functioning of Retail sector in India and managing retail business
47	International Marketing	BA423	MBA	2017-18	To make the students competent to establish Export and Import business
48	Logistics and Supply Chain Management	BA424	MBA	2017-18	Provides practical insights into managing supply chains
49	Rural & Agri Marketing	BA425	MBA	2017-18	The learnings from this course will provide options to pursue career in rural and agri marketing and also opens the door for entrepreneurial ventures
50	Strategic HRM	BA431	MBA	2017-18	How HR function is going to align with the strategic goals of the organisation
51	Leadership & Team Management	BA432	MBA	2017-18	To create awareness among the students about leadership traits, styles, theories to lead a business and equip the students to build a team.
52	International HRM	BA433	MBA	2017-18	Provides insights of administrative services for expatriates
53	Management of Change & Development	BA434	MBA	2017-18	How change is going to play a role in managing the organization and its development
54	Stress Management	BA435	MBA	2017-18	It helps how to manage the stress and live with stress
55	Financial Services	BA441	MBA	2017-18	Enhances knowledge in financial concepts, theories and tools and to evaluate the legal, ethical and economic environment related to financial services.
56	Commodity Markets & Derivatives	BA442	MBA	2017-18	enhances need of the hour skills in managing assets and liability risks
57	Strategic Cost Management	BA443	MBA	2017-18	Enhances specialised level of knowledge to reduce total costs while improving the strategic position of a business.
58	International Financial Management	BA444	MBA	2017-18	Imparts knowledge in the Identification and appraisal of investment opportunities in the international environment along with exchange rate fluctuations and develop strategies to deal with them.
59	Financial Risk Management	BA445	MBA	2017-18	Demonstrate knowledge of the range of financial and financial related risks facing organisations.
60	Family Business Management	BA451	MBA	2017-18	Develops entrepreneurial skills, soft and hard skills, managerial skills, decision making skills etc to run the family business among the students.

S.N O	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
61	Social Entrepreneurship	BA452	MBA	2017-18	Creating awareness to the students about entrepreneurship and its importance in the present scenario, and making students to become social entrepreneurs.
62	Corporate Entrepreneurship	BA453	MBA	2017-18	Meets the requirements of corporate trends and challenges.
63	Entrepreneurial Leadership	BA454	MBA	2017-18	Develops the context of entrepreneurial leadership by achieving organisational innovation.
64	Global Entrepreneurial Ecosystem	BA455	MBA	2017-18	Creating awareness to the students about entrepreneurship to become global leaders.
65	Employability Skills	GE11	MBA	2017-18	To equip the students to develop soft and hard skills to fit into the present entrepreneurial environment with allround personality development.
66	<u>MOOCS: NPTEL/SWAYAM/edX/Course era/Stanford Online/Udacity/ OpenClassrooms/ UDEMY Open2Study/ ALISON/ Khan Academy/ NSE- NCFM/IRDA/NISM/ Any course prior permission.related to MBA from the authentic sources with</u>	GE12	MBA	2017-18	Students are exposed to be self learning mode and will be getting certifications by world leading MOOCs. This will enhance students employability skills
67	Selling & Negotiation Skills Lab	GE13	MBA	2017-18	Exposing students to sell pitch and Negotiation skills will enhance their employability skills
68	Statistical Software Applications Lab	GE14	MBA	2017-18	Training students to Solve help them with computerized applications
69	Comprehensive Viva-voce	BA461	MBA	2017-18	Outside experts will be testing the concept your understanding of the learner. This will be enhance students employability skills
70	General Chemistry - I	CH1T1	CHEMISTRY	2017-18	Employability : The content knowledge will help the students to securing teaching jobs.
71	Inorganic Chemistry - I	CH1T2	CHEMISTRY	2017-18	Employability : The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
72	Organic Chemistry - I	CH1T3	CHEMISTRY	2017-18	Employability : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages .
73	Physical Chemistry - I	CH1T4	CHEMISTRY	2017-18	Employability : The context knowledge to secure a teaching job
74	Inorganic Chemistry	CH1L1	CHEMISTRY	2017-18	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
75	Organic Chemistry	CH1L2	CHEMISTRY	2017-18	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
76	Physical Chemistry	CH1L3	CHEMISTRY	2017-18	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
77	General Chemistry – II	CH2T1	CHEMISTRY	2017-18	Skill development: The content knowledge will help the students to securing teaching jobs.
78	Inorganic Chemistry – II	CH2T2	CHEMISTRY	2017-18	Skill development: The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
79	Organic Chemistry – II	CH2T3	CHEMISTRY	2017-18	Skill development: The context knowledge to secure a teaching job, paint, pharma industry, food & beverages .
80	Physical Chemistry – II	CH2T4	CHEMISTRY	2017-18	Skill development: The context knowledge to secure a teaching job

S.N O	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
81	Inorganic Chemistry	CH2L1	CHEMISTRY	2017-18	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
82	Organic Chemistry	CH2L2	CHEMISTRY	2017-18	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
83	Physical Chemistry	CH2L3	CHEMISTRY	2017-18	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
84	Organic Spectroscopy	CH3T1	CHEMISTRY	2017-18	Employability : The content knowledge will help the students to securing teaching jobs.
85	Organic Reactions, Mechanisms and Green Chemistry	CH3T2	CHEMISTRY	2017-18	Employability : The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
86	Organic Synthesis	CH3T3A	CHEMISTRY	2017-18	Employability / Entrepreneurship : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages and can start own industry
87	Asymmetric synthesis, phosphorus & sulphur reagents, synthetic polymers, biomolecules & Bio organic chemistry	CH3T3B	CHEMISTRY	2017-18	Employability : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages .
88	Environmental Chemistry and Analysis	CH3T4A	CHEMISTRY	2017-18	Employability : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages .
89	Organo metallic chemistry, Nano chemistry and Natural Products	CH3T4B	CHEMISTRY	2017-18	Employability / Entrepreneurship : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages and can start own industry
90	Organic Preparations	CH3L1	CHEMISTRY	2017-18	Skill development: The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
91	Mixture Analysis	CH3L2	CHEMISTRY	2017-18	Skill development: The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
92	Green Organic Preparations	CH3L3	CHEMISTRY	2017-18	Skill development: The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
93	Organo metallic chemistry & Metal mediated organic synthesis	AOC01	CHEMISTRY	2017-18	Employability / Entrepreneurship : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages and can start own industry
94	Advanced Organic Spectroscopy	CH4T1	CHEMISTRY	2017-18	Employability :The content knowledge will help the students to securing teaching jobs.
95	Organic Reactions & Mechanisms	CH4T2	CHEMISTRY	2017-18	Employability / Entrepreneurship : The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
96	Green Chemistry	CH4T3A	CHEMISTRY	2017-18	Employability / Entrepreneurship : The context knowledge to secure a teaching job, paint, pharma industry.
97	Antibiotics, Drugs, Vitamins & Steroid Hormones	CH4T3B	CHEMISTRY	2017-18	Employability / Entrepreneurship : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages .
98	Techniques for Modern Industrial Applications	CH4T4A	CHEMISTRY	2017-18	Employability / Entrepreneurship : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages and can start own industry

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99	Separation Techniques & Electro Analytical Techniques	CH4T4B	CHEMISTRY	2017-18	Employability : The context knowledge to secure a teaching job, paint, pharma industry, food & beverages and can start own industry
100	Paper And Thin Layer Chromatography Techniques	CH4L1	CHEMISTRY	2017-18	Employability / Skill development : Lab courses are intended to impart the skills in the students to make them job reading
101	Project Work	CH4L2	CHEMISTRY	2017-18	Employability / Skill development : Lab courses are intended to impart the skills in the students to make them job reading and to start own industry knowledge gained through own industry
102	Object Oriented Programming	CS1T1	PG CSC	2017	Employability in the Field of Information Technology by providing Hands on Workshops on Object Oriented Technologies
103	Computer Organization	CS1T2	PG CSC	2017	Employability in the Field of Information Technology by providing Hands on Training on Hardware Technologies.
104	Discrete Mathematical Structures	CS1T3	PG CSC	2017	Employability in Teaching & Software Industries
105	Database Management Systems	CS1T4	PG CSC	2017	Employability in the Field of Information Technology by acquiring knowledge in Database Management and imparting Knowledge by conducting Hands on workshops in Database Technologies.
106	Data Structures	CS1T5	PG CSC	2017	Employability in the Field of Information Technology by acquiring knowledge in the application of Data Structures
107	Data Structures Lab	CS1L1	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by conducting Hands on workshops in Data Structures.
108	DBMS Lab	CS1L2	PG CSC	2017	Employability in the Field of Information Technology by acquiring knowledge in Database Management and imparting Knowledge by conducting Hands on workshops in Database Technologies.
109	Seminar	CS1S1	PG CSC	2017	Employability in the Field of Information Technology and Teaching.
110	Computer Networks	CS2T1	PG CSC	2017	Employability in the Field of Information Technology and Teaching & Neworking Institutes and imparting knowledge by proving Hands on Training in Networking.
111	Operations Research	CS2T2	PG CSC	2017	Employability in the Field of Information Technology and other domains.
112	Theory of Computation	CS2T3	PG CSC	2018	Employability in Compiler Design and Natural Language Processing.
113	Software Engineering	CS2T4	PG CSC	2017	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Software Engineering Tools & Methodologies.
114	Operating Systems	CS2T5	PG CSC	2017	Employability in the Field of Information Technology by organizing various workshop on OS Installation and Maintenance
115	Software Engineering Lab	CS2L1	PG CSC	2017	Employability in the Field of Information Technology & Networking and imparting knowledge by providing Hands on Training on Data Flow Diagrams,ER-Diagrams and UML Diagrams.

S.N O	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
116	Computer Networks & Operating Systems Lab	CS2L2	PG CSC	2017	Employability in the Field of Information Technology & Networking and imparting knowledge by providing Hands on Training on OS installation and Networking.
117	Communication Skills	GE01	PG CSC	2017	Employability in the Field of Information Technology / Teaching and imparting Knowledge by providing Training on communication skills
118	Internet of Things (IoT)	CS3T1	PG CSC	2017	Employability in the Field of Information Technology / Hardware Technology and and imparting Knowledge by providing Hands on Training on the Applications of Internet of Things.
119	Design & Analysis of Algorithms	CS3T2	PG CSC	2017	Employability in the Field of Information Technology and Teaching.
120	Data Warehousing & Data Mining	CS3T3	PG CSC	2017	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training on Data Mining Tools.
121	Web Technologies	CS3T4	PG CSC	2017	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
122	Principles of Distributed Database Systems	CS3T5A	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Distributed Database Technologies.
123	TCP/IP	CS3T5B	PG CSC	2017	Employability in the Field of Information Technology and Teaching & Neworking Institutes and imparting knowledge by proving Hands on Training in Networking.
124	Software Testing	CS3T5C	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on various Software Testing Tools
125	Mobile Computing	CS3T5D	PG CSC	2017	Employability in the Field of Information Technology and and imparting Knowledge by providing Hands on Training on Mobile Technologies and Mobile Networking.
126	Cryptography & Network Security	CS3T5E	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing training to develop Cryptography & Network Security Algorithms.
127	Web Technologies Lab	CS3L1	PG CSC	2017	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
128	Data Mining Lab	CS3L2	PG CSC	2017	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training on Data Mining Tools.
129	Mini Project	CSS3P1	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Internships or Hands on Training on Projects.
130	Cloud Computing	CS4T1	PG CSC	2017	Employability in the Field of Information Technology by and imparting knowledge by organizing various Hands on workshop on Cloud Services.
131	Artificial Intelligence & Machine Learning	CS4T2	PG CSC	2017	Employability in the Field of Information Technology.

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132	Visual Programming	CS4T3A	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on .Net Frame Work.
133	Big Data Analytics	CS4T3B	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Data Science Technologies.
134	Cyber Security	CS4T3C	PG CSC	2017	Employability in the Field of Information Technology and other domains.
135	Python Programming	CS4T3D	PG CSC	2017	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Python Programming.
136	Visual Programming Lab	CS4L1	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on .Net Frame Work.
137	Big Data Analytics Lab	CS4L2	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Data Science Technologies.
138	Project Work	CS4P1	PG CSC	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Internships or Hands on Training on Projects.
139	POETRY-I	EN1T2	PG ENG	2017-18	Poetry recitation and writing original poetry enhances the skill of students and this activity is continuously conducted to update the creative skills of students.
140	DRAMA-I	EN1T3	PG ENG	2017-18	Class Room Roleplays and Skits: Enhances the stage presence skill along with public speaking.
141	PROSE & FICTION-I	EN1T4	PG ENG	2017-18	Writing small prose pieces for magazines and news papers, which enhances their imagination and language skills.
142	VICTORIAN AGE	EN1T6	PG ENG	2017-18	Reading activity in the classroom about ancient literature. Creates awareness about past Literature and History.
143	INTRODUCTION TO LITERATURE	EN1T7	PG ENG	2017-18	Activities related to life style. Students are able to understand literature is a reflection of life.
144	PRACTICE COMMUNICATION SKILLS-I	EN1L1	PG ENG	2017-18	Students are trained in LSRW skills. VOCABULARY BUILDING: Students were given several activities to build vocabulary. 1. Making sentences using collocations. 2. Fill in the blanks in the text with appropriate vocabulary. 3. Reading newspaper and writing headlines. 4. Using idioms and phrases in sentences. 5. Explaining an inspiring story.
145	PHONETICS & LINGUISTICS	EN2T1	PG ENG	2017-18	Students are trained to speak well with appropriate pronunciation. RECITING PHONETICS: 1. Uttering consonants and vowels. 2. Uttering diphthongs. 3. Practicing pronunciation in words.

S.N O	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
146	POETRY-II	EN2T2	PG ENG	2017-18	Poetry recitation and writing original poetry enhances the skill of students and this activity is continuously conducted to update the creative skills of students.
147	DRAMA-II	EN2T3	PG ENG	2017-18	class room roleplays and skits. Enhances the stage presence skill along with public speaking.
148	PROSE & FICTION-II	EN2T4	PG ENG	2017-18	Writing small prose pieces for magazines and news papers, which enhances their imagination and language skills.
149	INDIAN LITERATURE IN TRANSLATION	EN2T6	PG ENG	2017-18	Writing small prose pieces for magazines and news papers, which enhances their imagination and language skills.
150	PRACTICE COMMUNICATION SKILLS-II	EN2L1	PG ENG	2017-18	Students are equipped with soft skills and personality development. NOTE MAKING: Students were trained to listen actively and make notes using abbreviations. READING: Students were equipped with different types of reading skills by giving practice to read different text. SOFT SKILLS: Interpersonal skills, decision making, stress management, self-confidence, team work, and positive attitude are nurtured.
151	LITERARY THEORY & CRITICISM-I	EN3T1	PG ENG	2017-18	Developing the skill of criticism and linguistic theories
152	NEW LITERATURES IN ENGLISH-I	EN3T2	PG ENG	2017-18	Students are trained to understand the new trends in third world literatures and are equipped with native literature and its characteristic features.
153	INDIAN WRITING IN ENGLISH	EN3T3	PG ENG	2017-18	Indian English vocabulary is introduced to the students and new words are used by the students in day to day conversations.
154	AMERICAN LITERATURE-I	EN3T4	PG ENG	2017-18	Creates exposure to students about the Literary circumstances existed in Developed country like United States of America.
155	ENGLISH LANGUAGE TEACHING-I	EN3T5	PG ENG	2017-18	Students are trained in different methods of teaching, Grammar Translation Method
156	PRACTICE COMMUNICATION SKILLS-III	EN3L1	PG ENG	2017-18	Students are trained to prepare magazines and be creative in their literary expressions. READING NEWSPAPER: 1. Reading a news article and analysing it. 2. Writing a news article. 3. Writing Headlines using literary expressions.
157	LITERARY THEORY & CRITICISM-II	EN4T1	PG ENG	2017-18	Students are trained to appreciate literary texts and criticise the literary pieces in unique way.
158	NEW LITERATURES IN ENGLISH-II	EN4T2	PG ENG	2017-18	Students are trained to understand the new trends in third world literatures and are equipped with native literature and its characteristic features.
159	INDIAN LITERATURE IN TRANSLATION	EN4T3	PG ENG	2017-18	Students are trained to translate small prose pieces. TRANSLATION: 1. Exercises to translate one word from mother tongue to English. 2. Translate one sentence from mother tongue to English.
160	AMERICAN LITERATURE-II	EN4T4	PG ENG	2017-18	Students are trained to have self-reliant life style like Americans and learn to live their life according to their whims and fancies

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161	ENGLISH LANGUAGE TEACHING-II	EN4T5	PG ENG	2017-18	Students are trained to apply different methods of teaching English in the classroom. Peer Teaching: Teaching among the classmates
162	ENGLISH FOR TECHNICAL COMMUNICATION	EN4T6	PG ENG	2017-18	English for Technical communication helps students to have technical skills in terms of communication and also enhance their Technical vocabulary
163	PRACTICE COMMUNICATION SKILLS-IV	EN4L1	PG ENG	2017-18	Students are trained to speak fluently with grammatical perfection and trained to write paragraphs and essays of their own. PROJECT: Students selected a topic from Literature and did research.
164	Introduction to Information Technology	CA1T1	MCA	2017-18	Employability in the Field of Information Technology by providing Hands on Workshop on Office Automation Tools, Computer Hardware & Networking
165	C Programming and Problem Solving	CA1T2	MCA	2017-18	Employability in the Field of Information Technology by imparting Skills in C Programming
166	Computer Organization	CA1T3	MCA	2017-18	Employability in the Field of Information Technology by providing Hands on Training on Hardware Technologies.
167	Discrete Mathematical Structures	CA1T4	MCA	2017-18	Employability in Teaching & Software Industries
168	Accounting & Financial Management	CA1T5	MCA	2017-18	Employability in the fields of Information Technology and Accounting Firms.
169	Information Technology Lab	CA1L1	MCA	2017-18	Employability in the Field of Information Technology by providing Knowledge on Office Automation Tools, Computer Hardware & Networking.
170	C Programming Lab	CA1L2	MCA	2017-18	Employability in the Field of Information Technology by imparting Skills in C Programming.
171	Certification Course offered by MOOCs provides such as NPTEL/Swayam/Edx/Coursera/Udacity/Udemy etc.	CA1M1	MCA	2017-18	Skill enhancement for Employability in the field of Information Technology
172	Operating Systems	CA2T1	MCA	2017-18	Employability in the Field of Information Technology by organizing various workshop on OS Installation and Maintenance
173	Object Oriented Programming	CA2T2	MCA	2017-18	Employability in the Field of Information Technology by providing Hands on Workshops on Object Oriented Technologies
174	Data Structures	CA2T3	MCA	2017-18	Employability in the Field of Information Technology by acquiring knowledge in the application of Data Structures
175	Database Management Systems	CA2T4	MCA	2017-18	Employability in the Field of Information Technology by acquiring knowledge in Database Management and imparting Knowledge by conducting Hands on workshops in Database Technologies.
176	Probability & Statistics	CA2T5	MCA	2017-18	Employability in the Field of Information Technology & Statistics.
177	Data Structures Lab using JAVA	CA2L1	MCA	2017-18	Employability in the Field of Information Technology and imparting Knowledge by conducting Hands on workshops in Data Structures.

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178	DBMS Lab	CA2L2	MCA	2017-18	Employability in the Field of Information Technology and imparting Knowledge by conducting Hands on workshops in SQL & PL/SQL.
179	Seminar II	CA2S1	MCA	2017-18	Employability in the Field of Information Technology and Teaching.
180	Design and Analysis of Algorithms	CA3T1	MCA	2017-18	Employability in the Field of Information Technology and Teaching.
181	Computer Networks	CA3T2	MCA	2017-18	Employability in the Field of Information Technology and Teaching & Newoking Institutes and imparting knowledge by proving Hands on Training in Networking.
182	Web Technologies	CA3T3	MCA	2017-18	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
183	Software Engineering	CA3T4	MCA	2017-18	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Software Engineering Tools & Methodologies.
184	Operations Research	CA3T5	MCA	2017-18	Employability in the Field of Information Technology and other domains.
185	Computer Networks and Operating Systems Lab	CA3L1	MCA	2017-18	Employability in the Field of Information Technology & Networking and imparting knowledge by providing Hands on Training on OS installation and Networking
186	Web Technologies Lab	CA3L2	MCA	2017-18	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
187	Seminar III	CA3S1	MCA	2017-18	Employability in the Field of Information Technology and Teaching.
188	Data Mining Techniques	CA4T1	MCA	2017-18	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training on Data Mining Tools.
189	Mobile Computing	CA4T2	MCA	2017-18	Employability in the Field of Information Technology and Electronics and imparting Knowledge by providing Hands on Training on Mobile Technologies.
190	Cryptography & Network Security	CA4T3	MCA	2017-18	Employability in the Field of Information Technology and imparting Knowledge by providing training to develop Cryptography & Network Security Algorithms.
191	Theory of Computation	CA4T4	MCA	2017-18	Employability in Compiler Design and Natural Language Processing.
192	Advanced Database Management System	CA4T5 A	MCA	2017-18	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Advanced Database Technologies.
193	TCP/IP	CA4T5 B	MCA	2017-18	Employability in the Field of Information Technology and Netwoking and imparting Knowledge by provinding Hands on Training on writing TCP/IP Protocols
194	Software Testing	CA4T5 C	MCA	2017-18	Employability in the Field of Information Technology and Netwoking and imparting Knowledge by provinding Hands on Training on Teting Tools.

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195	Distributed Operating Systems	CA4T5 D	MCA	2017-18	Employability in the Field of Information Technology and imparting knowledge by organizing various workshop on OS Installation and Maintenance.
196	Cloud Computing	CA4T5 E	MCA	202	Employability in the Field of Information Technology by and imparting knowledge by organizing various Hands on workshop on Cloud Services.
197	Microprocessors and Interfacing	CA4T5F	MCA	2017	Employability in the Field of information Technology by organizing various Hands on workshop on Cloud Services.
198	Data Mining Lab	CA4L1	MCA	2017	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training on Data Mining Tools.
199	Mobile Computing Lab	CA4L2	MCA	2017	Employability in the Field of Information Technology and Electronics and imparting Knowledge by providing Hands on Training on Mobile Technologies.
200	Mini Project I	CA4P1	MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Internships / Project Based Training.
201	Data Sciences	CA5T1	MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Data Science Technologies.
202	Dot Net Programming	CA5T2	MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on .Net Frame Work.
203	Artifical Intelligence & Machine Learning	CA5T3	MCA	2017	Employability in the Field of Information Technology.
204	Prinicples of Distributed Databases	CA5T4A	MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Distributed Database Technologies.
205	Mobile Adhoc Networks	CA504.2	MCA	2017	Employability in the Field of Information Technology and and imparting Knowledge by providing Hands on Training on Mobile Technologies and Mobile Networking.
206	Software Design Patterns	CA504.3	MCA	2017	Employability in the Field of Information Technology and and imparting Knowledge by providing Hands on Training on Pattern Recognition Algorithms.
207	Neural Networks	CA5T4D	MCA	2017	Employability in the Field of Information Technology and and imparting Knowledge by providing Hands on Training on Neural Networks Algorithms.
208	Image Processing	CA504.5	MCA	2017	Employability in the Field of Information Technology and and imparting Knowledge by providing Hands on Training on Image Processing Algorithms.
209	Compiler Design	CA504.6	MCA	2017	Employability in the Field of Hardware Technology and and imparting Knowledge by providing Hands on Training on the design of Compiler.
210	Embedded Systems	CA505.1	MCA	2017	Employability in the Field of Hardware Technology and and imparting Knowledge by providing Hands on Training on the Embedded Systems.

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211	Information Systems Auditing	CA505.2	MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Information System Audit Procedures.
212	Internet of Things	CA5T5i	MCA	2017	Employability in the Field of Information Technology / Hardware Technology and and imparting Knowledge by providing Hands on Training on the Applications of Internet of Things.
213	Vedic Computing	CA505.4	MCA	2019	Employability in the Field of Information Technology / Vedic Sciences.
214	Simulation and Analysis	CA505.5	MCA	2017	Employability in the Field of Information Technology and and imparting Knowledge by providing Hands on Training on Simutatn & Analysis Tools.
215	Dot Net Programming Lab	CA5L1	MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on .Net Frame Work.
216	Data Sciences Lab	CA5L2	MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Data Science Technologies.
217	Technical Report Writing	CA508P1	MCA	2017	Employability in the Field of Research & Development of Information Technology and in Teaching.
218	Project Work(Industry Campus)	CA5P1	MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Internships or Hands on Training on Projects.
220	REAL ANALYSIS-I	MA1T2	PG MAT	2017-18	Problem solving skill: It is concerned with limits, continuity, differentiation, and integration problem solving skills laying the groundwork for understanding the calculus and beyond. These concepts are not only foundational for advanced mathematical studies but also have applications in physics, engineering, and economics.
221	ORDINARY DIFFERENTIAL EQUATIONS	MA1T3	PG MAT	2017-18	Problem solving skill: 1. Formulation of differential equations 2. Finding Solutions of differential equations by various techniques
222	ADVANCED DISCRETE MATHEMATICS	MA1T5	PG MAT	2017-18	Problem solving skill
223	REAL ANALYSIS-II	MA2T2	PG MAT	2017-18	Problem solving skill: Solves problems related to functions of several variables and differential forms
224	PARTIAL DIFFERENTIAL EQUATIONS	MA2T3	PG MAT	2017-18	Problem solving skill: 1. Formulation of partial differential equations 2. Finding Solutions of partial differential equations by various techniques
225	NUMERICAL METHODS WITH C	MA2T4	PG MAT	2017-18	Problem solving skill: solves problems using numerical approximation. It involves designing methods that give approximate but accurate numeric solutions, which is useful in cases where the exact solution is impossible or difficult to calculate.
226	COMPLEX ANALYSIS	MA3T2	PG MAT	2017-18	Problem solving skill: Solves problems of complex variables and functions.

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227	LATTICE THEORY	MA3T4	PG MAT	2017-18	Analytical & Research skill: Lattice theory, a fundamental component of mathematical structures, delves into how order relationships interact within a set, offering insights into algebraic and geometric principles.
228	SEMI GROUPS	MA3T4B	PG MAT	2017-18	Analytical & Research skill: Uses the structure theorems of finite dimensional algebras to solve problems in ring theory.
229	NUMBER THEORY	MA3T4C	PG MAT	2017-18	Analytical & Research skill: Solves problems related to analytic number theory.
230	OPERATIONS RESEARCH-I	MA3T5	PG MAT	2017-18	Modelling & Problem solving: Solves problems associated with optimization of profits, Minimization of loss, project planning, supply chain management, operations management, scheduling and logistics, etc.
231	THEORY OF COMPUTER SCIENCE-I	MA3T5B	PG MAT	2017-18	Analytical & Research skill: In Automata Theory, a language is a set of strings made from an alphabet. Automata process these languages, accepting or rejecting various strings. Automata Theory has real-world applications such as designing compilers, text searching, and AI logic.
232	ADVANCED MATHEMATICAL TECHNIQUES	AC01	PG MAT	2017-18	Problem solving skill: The calculus of variations is a field of mathematics about solving optimization problems. This is done by minimizing and maximizing functionals. The methods of calculus of variations to solve optimization problems are very useful in mathematics, physics and engineering.
233	NONCOMMUTATIVE RINGS	MA4T1	PG MAT	2017-18	Analytical & Research skill: verification of relationships between different algebraic structures
234	MEASURE & INTEGRATION	MA4T2	PG MAT	2017-18	Analytical & Research skill: The theory and applications of the Lebesgue integral via measure theory can be used to solve a variety of problems in mathematics.
235	FUNCTIONAL ANALYSIS-II	MA4T3	PG MAT	2017-18	Analytical & Research skill: Solves some abstract problems in Functional analysis
236	ALGEBRAIC CODING THEORY	MA4T4	PG MAT	2017-18	Modelling & Problem solving : Uses algebraic techniques to construct efficient codes and identifies the parameters of a given code.
237	FUZZY SETS AND APPLICATIONS	MA4T4B	PG MAT	2017-18	Problem solving skill: Represents vagueness and uncertainty in decision-making allowing partial truths and have wide range of applications.
238	NEAR RINGS	MA4T4C	PG MAT	2017-18	Analytical & Research skill:Solves problems related to structure theorems for Nearrings.

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239	OPERATIONS RESEARCH-II	MA4T5	PG MAT	2017-18	Modelling & Problem solving : Solves problems associated with optimization of profits, Minimization of loss, project planning, supply chain management, operations management, scheduling and logistics, etc.
240	THEORY OF COMPUTER SCIENCE-II	MA4T5B	PG MAT	2017-18	Analytical & Research skill: Through automata, computer scientists are able to understand how machines compute functions and solve problems and more importantly, what it means for a function to be defined as computable or for a question to be described as decidable.
241	MATHEMATICAL PHYSICS	PH1T1	M.Sc PHYSICS	2003-04	Different mathematical methods will improve the skill of student to solve problems
242	CLASSICAL MECHANICS	PH1T2	M.Sc PHYSICS	2003-04	The student learns basic laws of physics applied at macroscopic level
243	QUANTUM MECHANICS - I	PH1T3	M.Sc PHYSICS	2003-04	Learns about different quantum mechanical systems
244	ELECTRONICS	PH1T4	M.Sc PHYSICS	2003-04	Understands the theory of opamp, digital circuits and microprocessor
245	GENERAL PHYSICS LAB-I	PH1L1	M.Sc PHYSICS	2003-04	Learns working on equipment related to theory
246	ELECTRONICS LAB-I	PH1L2	M.Sc PHYSICS	2003-04	Learns different experiments which may help for employment
247	ELECTROMAGNETIC THEORY	PH2T1	M.Sc PHYSICS	2017-18	Learns the basics of electromagnetic theory
248	QUANTUM MECHANICS-II	PH2T2	M.Sc PHYSICS	2003-04	Learns about 3D problems and molecular quantum mechanics
249	STATISTICAL MECHANICS	PH2T3	M.Sc PHYSICS	2003-04	Learns different particle distributions which will help in other courses also
250	SOLIDSTATE PHYSICS	PH2T4	M.Sc PHYSICS	2003-04	Learns the internal structure of solids and properties
251	GENERAL PHYSICS LAB-II	PH2L1	M.Sc PHYSICS	2003-04	To apply the theoretical principles of physics to relevant equipment which may help in employment
252	ELECTRONICS LAB-II	PH2L2	M.Sc PHYSICS	2003-04	Learns logic circuits and to verify the results which may help in employment
253	COMPUTATIONAL METHODS AND C PROGRAMMING	PH3T1	M.Sc PHYSICS	2017-18	Learns C programming and different numerical methods which may help in employment
254	ADVANCED QUANTUM MECHANICS	PH3T2	M.Sc PHYSICS	2012-13	To understand the basic principles of EM theory ,lasers and modern optics
255	MOLECULAR PHYSICS	PH3T3A	M.Sc PHYSICS	2012-13	Learn different molecular spectroscopic techniques
256	ELECTRONIC DEVICES	PH3T3B	M.Sc PHYSICS	2017-18	To understand the working of various electronic devices
257	CONDENSED MATTER PHYSICS-I	PH3T4A	M.Sc PHYSICS	2003-04	To understand the different properties of materials
258	DIGITAL ELECTRONICS	PH3T4B	M.Sc PHYSICS	2017-18	Learns about all digital circuits
259	ADVANCED PHYSICS AND OPTICS LAB	PH3L1	M.Sc PHYSICS	2012-13	To gain knowledge through experimentation in optics and general physics
260	ELECTRONICS IC VERSION LAB	PH3L2	M.Sc PHYSICS	2012-13	Design and construct the circuits with integrated circuits
261	NUCLEAR AND PARTICLE PHYSICS	PH4T1	M.Sc PHYSICS	2003-05	To learn the basic concepts of Nuclear physics
262	ANALYTICAL TECHNIQUES	PH4T2	M.Sc PHYSICS	2003-04	To understand the basic principles of analytical instruments
263	CONDENSED MATTER PHYSICS-II	PH4T3A	M.Sc PHYSICS	2017-18	To study the properties of different materials through analytical methods

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264	ANALOG AND DIGITAL COMMUNICATION	PH4T3B	M.Sc PHYSICS	2017-18	To learn the different processes of analog and digital communication system
265	CONDENSED MATTER PHYSICS-III	PH4T4A	M.Sc PHYSICS	2017-18	To understand the concepts of advanced materials
266	MICRO PROCESSOR AND CONTROLLER	PH4T4B	M.Sc PHYSICS	2017-18	To study the architecture of microprocessors and controller
267	CONDENSED MATTER PHYSICS LAB	PH4L1	M.Sc PHYSICS	2003-04	aquiring knowedge through experimens related to theory
268	PROJECT WORK	PH4P1	M.Sc PHYSICS	2016-17	To gain koledge through study or theoritical projects with outside class room

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1	Managing People & Organizations	20BA111	MBA	2020-21	Creating an idea about management and organisation behavioural principles and to become management consultant.
2	Managerial Economics	20BA112	MBA	2020-21	Foudation Course for Different branches of Management
3	Quantitative Techniques for Business Decisions	20BA117	MBA	2020-21	It helps to solve Managerial problems
4	Business, Government & Society	20BA114	MBA	2020-21	The dynamics of interplay among Business, Government and Society is explained with Roleplays, Delphi techniques helps the students to be employed in public and private sectors.
5	Managerial Communication	20BA115	MBA	2020-21	Improves employability skills
6	Accounting for Managers	20BA116	MBA	2020-21	Provides basic Understanding and application of course concepts to analyse common business management problems from a financial perspective
7	Growth Lab	20GE01A	MBA	2020-21	Activities that persuade and helps in improving the overall personality to meet industry requirements.
8	Legal framework of Business	GE02	MBA	2020-21	Make the students aware about industrial laws and helps in managing the small scale industries.
9	Emotional Intelligence and Managerial Effectiveness	GE03	MBA	2020-21	Emotional Intelligence plays a vital role for balanced decision making
10	Marketing Management	20BA211	MBA	2020-21	Activities such as Case Studies, Market Simulation, Sales Pitch helps the students to get practical perspective and enhances their employability skills.
11	Human Resource Management	20BA212	MBA	2020-21	To develop the students' ability to become a trainer in human resource management and development.
12	Financial Management	20BA213	MBA	2020-21	Provides an understanding of the overall role and importance of the finance function and Demonstrates basic finance management knowledge
13	Operations Management	20BA214	MBA	2020-21	Provides skills in managing inventory, quality, and operations
14	Business Research Methods	20BA217	MBA	2020-21	It helps to develop Research and Development
15	Entrepreneurship Development & Business Models	20BA216	MBA	2020-21	Creating awareness to the students about entrepreneurship and its importance in the present scenario, and explaining the different business models to become entrepreneurs.
16	Life Skills	20GE04	MBA	2020-21	Taking choices of life and balancing with social norms
17	Industry and Business Domain Analysis	GE05	MBA	2020-21	Enhances nalsing ability of any Industry /To Analyze company as well as Industry.
18	Any Online Course NPTEL/SWAYAM/edX/Coursera/Stanford Online/ / OpenClassrooms/ UDEMY/ Open2Study/ ALISON/ Khan Academy/ NSE- NCFM/IRDA/NISM/ Any course related to MBA from the authentic sources with prior permission.	GE06	MBA	2020-21	Students are expose to be self learning mode and will be getting certifications by world leading MOOCs. This will be enhance students employability skills
19	Spread Sheet & Computerised Accounting Package	20GE15	MBA	2020-21	Simplify the data entry work and enables financial statements and automatic charts.
20	Strategic Management	20BA311	MBA	2020-21	To develop the strategic skills among the students to become a strategic planner and consultancy.
21	Innovation Management	20BA312	MBA	2020-21	Exposing learners with business models, design thinking, and The Fifth Discipline of Peter Senge helps the learners to be more innovative and entrepreneurial in nature.
22	Operations Research	20BA314	MBA	2020-21	It helps to take Managerial decision Making.
23	Consumer Behaviour & Marketing Research	20BA321A	MBA	2020-21	Imparts knowledge about consumers and their insights.
24	Product and Brand Management	20BA322	MBA	2020-21	Helps to understand how branding plays a vital role in product management
25	Services Marketing	BA323	MBA	2020-21	Activities such as Case Studies in service marketing helps the students to get practical perspective and enhances their employability skills.

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26	Integrated Marketing Communications	BA324	MBA	2020-21	The exposure to ad making, copy design, sales promotion techniques helps students to be placed in marketing jobs
27	Human Resource Planning	20BA331	MBA	2020-21	To develop the students' ability to become a trainer in human resource management and development.
28	Industrial Relations & Employment Laws	20BA332	MBA	2020-21	make the students aware about industrial laws and helps in managing the small scale industries.
29	Performance & Reward Management	BA333	MBA	2020-21	To develop the students' ability to become a trainer in human resource management and development.
30	Organization Development and Change	BA334	MBA	2020-21	Addresses and build the capacity to change and achieve greater effectiveness.
31	Financial Institutions & Markets	20BA341	MBA	2020-21	Enhances strong financial-analytical skills to solve investment problems in the area of financial markets and instruments.
32	Security Analysis & Portfolio Management	20BA342	MBA	2020-21	Meets industry requirement in providing knowledge about Portfolio management
33	Corporate Finance	BA343	MBA	2020-21	Imparts knowledge that how corporations deal with funding sources, capital structuring, accounting, and investment decisions.
34	Mergers & Acquisitions	BA344	MBA	2020-21	Case studies of various M&A will be discussed. Students will be get critical understanding about how to take complex decisions
35	Business Opportunities in Emerging Economies	BA351	MBA	2020-21	Business models, Startup ideas & scanning of Business Environment by continuous observation of Business News helps to students to enhance their entrepreneurial quotient.
36	Basic Management Aspects of Startups and SMEs	BA352	MBA	2020-21	conduction of startups Saturdays by inviting entrepreneurs helped our students to pursue innovative ideas.
37	Venture Capital & Private Equity	BA353	MBA	2020-21	The Financing options provided by Venture Capital & Private Equity forms are discussed. This will help in running business successful
38	Entrepreneurial Ecosystem in India	BA354	MBA	2020-21	To make the students to adapt the culture of entrepreneurial eco-system
39	Leadership	20GE08	MBA	2020-21	To create awareness among the students about leadership traits, styles, theories to lead a business.
40	Creativity & Innovation	GE09	MBA	2020-21	The lateral thinking skills are imparted coupled with simulation games will spur the creative quotient among learners.
41	MOOCs:			2020-21	
42	<u>NPTEL/SWAYAM/edX/Coursera/Stanford Online/Udacity/ OpenClassrooms/ Open2Study/ ALISON/ Khan Academy/ NSE-NCFM/IRDA/NISM/ Any course related to MBA from the authentic sources with prior permission.</u>	GE10	MBA	2020-21	Students are exposed to self learning mode and will be getting certifications by world leading MOOCs. This will enhance students employability skills
43	Project Work	20BA361	MBA	2020-21	Students are exposed to practical knowledge in various outside organizations including Industrial establishment, service organizations, Governmental agencies. This will enhance students employability skills
44	International Business	20BA411	MBA	2020-21	Imparts knowledge to work in global business environment
45	Sales & Distribution Management	20BA421	MBA	2020-21	Enhances customer satisfaction and earning long-term loyalty by building stronger relationships between business and customer.
46	Retail Management	20BA422	MBA	2020-21	Helps to understand the functioning of Retail sector in India and managing retail business
47	International Marketing	20BA423	MBA	2020-21	To make the students competent to establish Export and Import business
48	Logistics and Supply Chain Management	BA424	MBA	2020-21	Provides practical insights into managing supply chains

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49	Rural & Agri Marketing	BA425	MBA	2020-21	The learnings from this course will provide options to pursue career in rural and agri marketing and also opens the door for entrepreneurial ventures
50	Strategic HRM	20BA431	MBA	2020-21	How HR function is going to align with the strategic goals of the organisation
51	Leadership & Team Management	20BA432	MBA	2020-21	To create awareness among the students about leadership traits, styles, theories to lead a business and equip the students to build a team.
52	International HRM	20BA433	MBA	2020-21	Provides insights of administrative services for expatriates
53	Management of Change & Development	BA434	MBA	2020-21	How change is going to play a role in managing the organization and its development
54	Stress Management	BA435	MBA	2020-21	It helps how to manage the stress and live with stress
55	Financial Services	BA441	MBA	2020-21	Enhances knowledge in financial concepts, theories and tools and to evaluate the legal, ethical and economic environment related to financial services.
56	Commodity Markets & Derivatives	20BA442	MBA	2020-21	enhances need of the hour skills in managing assets and liability risks
57	Strategic Cost Management	20BA443	MBA	2020-21	Enhances specialised level of knowledge to reduce total costs while improving the strategic position of a business.
58	International Financial Management	20BA444	MBA	2020-21	Imparts knowledge in the Identification and appraisal of investment opportunities in the international environment along with exchange rate fluctuations and develop strategies to deal with them.
59	Financial Risk Management	BA445	MBA	2017-18	Demonstrate knowledge of the range of financial and financial related risks facing organisations.
60	Family Business Management	BA451	MBA	2017-18	Develops entrepreneurial skills, soft and hard skills, managerial skills, decision making skills etc to run the family business among the students.
61	Social Entrepreneurship	BA452	MBA	2017-18	Creating awareness to the students about entrepreneurship and its importance in the present scenario, and making students to become social entrepreneurs.
62	Corporate Entrepreneurship	BA453	MBA	2017-18	Meets the requirements of corporate trends and challenges.
63	Entrepreneurial Leadership	BA454	MBA	2017-18	Develops the context of entrepreneurial leadership by achieving organisational innovation.
64	Global Entrepreneurial Ecosystem	BA455	MBA	2017-18	Creating awareness to the students about entrepreneurship to become global leaders.
65	Employability Skills	20GE11	MBA	2020-21	To equip the students to develop soft and hard skills to fit into the present entrepreneurial environment with allround personality development.
66	<u>MOOCS: NPTEL/SWAYAM/edX/Course era/Stanford Online/Udacity/ OpenClassrooms/ UDEMY Open2Study/ ALISON/ Khan Academy/ NSE- NCFM/IRDA/NISM/ Any course prior permission.related to MBA from the authentic sources with</u>	GE12	MBA	2020-21	Students are exposed to be self learning mode and will be getting certifications by world leading MOOCs. This will enhance students employability skills
67	Selling & Negotiation Skills Lab	GE13	MBA	2020-21	Exposing students to sell pitch and Negotiation skills will enhance their employability skills
68	Statistical Software Applications Lab	GE14	MBA	2020-21	Training students to Solve help them with computerized applications
69	Comprehensive Viva-voce	20BA461	MBA	2020-21	Outside experts will be testing the concept your understanding of the learner. This will be enhance students employability skills

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70	LinguisticsandPhonetics	20EN1T1	PG ENG	2017-18	Employability: International Phonetic Alphabet (IPA): Learn a few basic IPA symbols and try to transcribe simple words into IPA. You can find IPA charts online or in dictionaries. Analyze Song Lyrics: Examine the lyrics of a song and identify any interesting features like wordplay, figurative language, or grammatical structures. Analyze Advertisements: Look at advertisements and analyze the language used to persuade or inform the audience.
71	IntroductiontoLiteraryStudies	20EN1T2	PG ENG	2017-18	Reading Literary Terms and Movements in Literature
72	Poetry-I	20EN1T3	PG ENG	2017-18	poetry recitation, original poetry writing, and also enable students to analyse poems and critically appreciate literary master pieces which enhances their writing skills.
73	Drama-I	20EN1T4	PG ENG	2017-18	Class Room Roleplays and Skits: Enhances the stage presence skill along with public speaking.
74	ProseandFiction-I	20EN1T5	PG ENG	2017-18	Writing small prose pieces for magazines and news papers, which enhances their imagination and language skills.
75	ComputerApplicationsforEnglish (Comprehensive Lab)	20EN1L1	PG ENG	2017-18	Students are trained in LSRW skills. Activity: Building Vocabulary
76	VictorianAge	20EN2T1	PG ENG	2017-18	Students are trained to speak well with appropriate pronunciation. Activity: Writing Essays
77	Poetry-II	20EN2T2	PG ENG	2017-18	Poetry recitation and writing original poetry enhances the skill of students and this activity is continuously conducted to update the creative skills of students.
78	Drama-II	20EN2T3	PG ENG	2017-18	Students are able to write analysis of the poems which helps them to write magazine articles and produce other contents related to literature.
79	ProseandFiction-II	20EN2T4	PG ENG	2017-18	Writing small prose pieces for magazines and news papers, which enhances their imagination and language skills.
80	Translation TheoryandPractice	20EN2T5	PG ENG	2017-18	Students are able to understand the techniques of translation and attempt translation which is in demand now.
81	DigitalSkillsforEnglish(Comprehensive LabcumViva)	20EN2L1	PG ENG	2017-18	Students are equipped with soft skills and personality development. Activity: Note Making, Reading Passage, Presentation.
82	EnglishCommunicationSkills (OpenElective-1)	20EN2L2	PG ENG	2017-18	Students are trained to prepare magazines and be creative in their literary expressions. READING NEWSPAPER: 1. Reading a news article and analysing it. 2. Writing a news article. 3. Writing Headlines using literary expressions.
83	Literary Theory and Criticism-I	20EN3T1	PG ENG	1995-96	Students are trained to analyse a text critically and be creative in their literary expressions. Activity: Interpreting a text.
84	New Literatures in English	20EN3T2	PG ENG	2010-11	Students are able to understand colonial and post colonial studies. Activity: Analysis of Post colonial literature.
85	Indian Literature in Translation	20EN3T3	PG ENG	1995-96	Students learn Indian Literatures translated in English. Activity: Translating words and sentences
86	American Literature-I	20EN3T4	PG ENG	1995-96	Students are trained to understand themes in American literature. Activity: Reading American Poetry.
87	English Language Teaching -I	20EN3T5	PG ENG	2010-11	Students are trained in different teaching methodologies. Activity: Bilingual Method.
88	English for Academic Purposes (Comprehensive Lab)	20EN3L1	PG ENG	2017-18	Students are trained to develop effective communication and be creative in their writings. Activity: PPT Presentation

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89	English Presentation and Soft Skills (Open Elective -I)	20EN3L2	PG ENG	1995-96	Students are trained in soft skills to enhance their personality. Activity: Preparing CV, PPT Presentation.
90	English Language Teaching -II	20EN4T1	PG ENG	1995-96	Students are trained in peer teaching and also apply different methods of teaching English. Activity: Peer Teaching
91	American Literature-II	20EN4T2	PG ENG	2010-11	Students are trained to understand the success, failure and absurdity of American life. Activity: Reading American Plays.
92	Literary Theory and Criticism-II	20EN4T3	PG ENG	2012-13	Students learn literary theories and apply the theories to the text. Activity: Applying theory to the text for interpretation.
93	Indian English Literature	20EN4T4	PG ENG	1995-96	Students are trained to understand different genres in Indian Writings. Activity: Interpreting characters in the text
94	Life Skills (Comprehensive Viva/Lab)	20EN4L1	PG ENG	2017-18	Students are trained to speak fluently with grammatical perfection and trained to write paragraphs and essays on their own. Activity: SWOT Analysis
95	Open Elective -1	20 EN2E1	PG ENG	2019-20	Students are able to improve their English Language Skills by practicing different exercises in the class. Activity: JAM
96	Open Elective -2	20 EN3E2	PG ENG	2019-20	Students are given training to enhance their personality. Soft skills and life skills are nurtured. Activity: Journaling, Presentation
97		20CA1T2	MCA	2020-21	Employability and skill development in the Field of Information Technology by imparting Skills in Python Programming
98		20CA1T3	MCA	1991-92	Employability in the Field of Information Technology by providing Hands on Training on Hardware Technologies.
99		20CA1T4	MCA	1991-92	Employability in the Field of Information Technology and imparting knowledge by providing Hands on Training in Software Engineering Tools & Methodologies.
100		20CA1T5	MCA	1991-92	Employability in the Field of Information Technology and imparting knowledge by providing Hands on Training in Software Engineering Tools & Methodologies.
101		20CA1T6	MCA	1991-92	Employability in Teaching & Software Industries
102		20CA1L1	MCA	1992-93	Employability in Teaching & Software Industries
103		20CA1L2	MCA	2020-21	Employability in the Field of Information Technology by imparting Skills in Python Programming
104		20CA1S1	MCA	1991-92	Employability in the Field of Information Technology and imparting Knowledge by conducting Hands on workshops in SQL & PL/SQL.
105		20CA2T1	MCA	1991-92	Employability in the Field of Information Technology and Teaching.
106		20CA2T2	MCA	2005-06	Employability in the Field of Information Technology and imparting knowledge by providing Hands on Training on Data Mining Tools.
107		20CA2T3	MCA	1992093	Employability in the Field of Information Technology by organizing various workshop on OS Installation and Maintenance
108		20CA2T4	MCA	1992-93	Employability in the Field of Information Technology by acquiring knowledge in the application of Data Structures.
109		20CA2T5	MCA	1992-93	Employability in the Field of Information Technology and Teaching &Networking Institutes and imparting knowledge by providing Hands on Training in Networking.
110		20CA2T6	MCA	2006-07	Employability in the Field of Information Technology and imparting knowledge by providing Hands on Training in Web Technologies.

S.N O	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
111		20OE01	MCA	2006-2007	Skill development
112		20CA2L1	MCA	2021-22	Skill development
113		20CA2L2	MCA	2006-07	Employability and skill development in the Field of Information Technology and imparting knowledge by providing Hands on Training in Web Technologies.
114		20CA3T1	MCA	1992-93	Employability in the Field of Information Technology and imparting knowledge by providing Hands on Training in Web Technologies.
115		20CA3T2	MCA	2018-19	Employability in the Field of Information Technology and Teaching.
116		20CA3T3	MCA	2017-18	Employability in the Field of Information Technology.
117		20CA3T4	MCA	2005-06	Employability in the Field of Information Technology and Teaching.
118		20CA3T5	MCA	2017-18	Employability in the Field of Information Technology by and imparting knowledge by organizing various Hands on workshop on Cloud Services.
119		20CA3L1	MCA	2006-2007	Employability in the Field of Information Technology by and imparting knowledge by organizing various guest lectures
120		20CA3L2	MCA	2018-19	Employability in the Field of Information Technology by and imparting knowledge by organizing various Hands on workshop on Cloud Services.
121		20OE09	MCA	2018-19	Employability in the Field of Information Technology by and imparting knowledge by organizing various Hands on workshop on Cloud Services.
122		20CA4M1	MCA	2020-21	Employability in the Field of Information Technology by and imparting knowledge by organizing various Hands on workshop on Cloud Services.
123		20CA4T1	MCA	2020-21	Skill Development
124		20CA4T2	MCA	2020-21	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Data Wrangling and Data Visualization Technologies.
125		20CA4T3	MCA	2020-21	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Applied Data Analysis Technologies.
126		20CA4P1	MCA	2020-21	Employability in the Field of Information Technology and imparting Knowledge by providing Hands on Training on Deep Learning Technologies.
127			MCA	2017	Employability in the Field of Information Technology and imparting Knowledge by providing Internships or Hands on Training on Projects.
128	CLASSICAL MECHANICS	20PH1T1	MSC PHYSICS	2003-04	The student learns basic laws of physics applied at macroscopic level
129	MATHEMATICAL PHYSICS	20PH1T2	MSC PHYSICS	2003-04	Different mathematical methods will improve the skill of student to solve problems
130	ATOMIC AND MOLECULAR SPECTROSCOPY	20PH1T3	MSC PHYSICS	2012-13	Learn different atomic & molecular spectroscopic techniques
131	ELECTRONICS	20PH1T4	MSC PHYSICS	2003-04	Understands the theory of opamp, digital circuits and microprocessor
132	GENERAL PHYSICS LAB-I	20PH1L1	MSC PHYSICS	2003-04	Learns working on equipment related to theory
133	ELECTRONICS LAB-I	20PH1L2	MSC PHYSICS	2003-04	Learns different experiments which may help for employment
134	STATISTICAL MECHANICS	20PH2T1	MSC PHYSICS	2003-04	Learns different particle distributions which will help in other courses also

S.N O	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
135	QUANTUM MECHANICS-I	20PH2T2	MSC PHYSICS	2003-04	Learns about different quantum mechanical systems
136	COMPUTATIONAL METHODS & C PROGRAMMING	20PH2T3	MSC PHYSICS	2017-18	Learns C programming and different numerical methods which may help in employment
137	SOLIDSTATE PHYSICS	20PH2T4	MSC PHYSICS	2003-04	Learns the internal structure of solids and properties
138	GENERAL PHYSICS LAB-II	20PH2L1	MSC PHYSICS	2003-04	To apply the theoretical principles of physics to relevant equipment which may help in employment
139	C – PROGRAMMING AND MICROPROCESSOR	20PH2L2	MSC PHYSICS	2003-04	Student learns C-programming & microprocessor programming
140	QUANTUM MECHANICS-II	20PH3T1	MSC PHYSICS	2003-04	Learns about 3D problems and molecular quantum mechanics
141	ELECTRO MAGNETIC THEORY ,LASERS AND MODERN OPTICS	20PH3T2	MSC PHYSICS	2017-18	Learns the basics of electromagnetic theory, lasers and modern optics
142	NUCLEAR AND PARTICAL PHYSICS	20PH3T3	MSC PHYSICS	2003-05	To learn the basic concepts of Nuclear physics
143	CONDENSED MATTER PHYSICS-I	20PH3T4	MSC PHYSICS	2003-04	To understand the different properties of materials
144	ELECTRONIC DEVICES	20PH3T4B	MSC PHYSICS	2017-18	To understand the working of various electronic devices
145	DIGITAL ELECTRONICS	20PH3T4B	MSC PHYSICS	2017-18	Learns about all digital circuits
146	FUNDAMENTALS OF ANALYTICAL INSTRUMENTS	20PH3T5	MSC PHYSICS	2003-04	To learn the instrumentation of different techniques
147	ADVANCED PHYSICS AND OPTICS LAB	20PH3L1	MSC PHYSICS	2012-13	To gain knowledge through experimentation in optics and general physics
148	ELECTRONICS IC VERSION LAB	20PH3L2	MSC PHYSICS	2012-13	Design and construct the circuits with integrated circuits
149	ANALYTICAL TECHNIQUES	20PH4T1	MSC PHYSICS	2003-04	To understand the basic principals of analytical instruments
150	ADVANCES IN MATERIALS SCIENCE	20PH4T2	MSC PHYSICS	2017-18	To study the properties of different materials through analytical methods
151	THERMAL PHYSICS (ELECTIVE THROUGH MCQ)	20PH4T3	MSC PHYSICS	2020	To learn the basics of thermal physics
152	ANALOG AND DIGITAL COMMUNICATION	20PH4T3B	MSC PHYSICS	2017-18	To learn the different processes of analog and digital communication system
153	CONDENSED MATTER PHYSICS-II	20PH4T4	MSC PHYSICS	2017-18	To understand the concepts of advanced materials
154	MICRO PROCESSOR AND CONTROLLERS	20PH4T4B	MSC PHYSICS	2017-18	To study the architecture of microprocessors and controller
155	CONDENSED MATTER PHYSICS LAB	20PH4L1	M.Sc PHYSICS	2003-04	acquiring knowledge through experiments related to theory
156	PROJECT WORK	20PH4P1	MSC PHYSICS	2016-17	To gain knowledge through study or theoretical projects with outside class room

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1	Management Process & Organizational Behavior	22BA 101	MBA	2022-23	Creating an idea about management and organisation behavioural principles and to become management consultant.
2	Managerial Economics	22BA 102	MBA	2022-23	Foudation Course for Different branches of Management
3	Business Environment	22BA 103	MBA	2022-23	
4	Financial Reporting and Analysis	22BA 104	MBA	2022-23	analyzing the financial statements using different techniques of Finanical Statement Analysis.
5	Business Analytics for Managerial Decision Making	22BA 105	MBA	2022-23	
6	Managerial Communication	22BA 106	MBA	2022-23	Improves employability skills
7	Personality Development through Life Enlightenment Skills	22PG 101	MBA	2022-23	
8	Legal framework of Business	GE02	MBA	2022-23	Make the students aware about inidustrial laws and helps in managing the small scale industries.
9	Emotional Intelligence and Managerial Effectiveness	GE03	MBA	2022-23	Emotional Intelligence plays a vital role for balanced decision making
10	Spread Sheet for Business Analysis	22BA 1L1	MBA	2022-23	
11	Basics of R Programming	22 VA 1BA1	MBA	2022-23	
12	Marketing Management	22BA 201	MBA	2022-23	Activities such as Case Studies, Market Simulation, Sales Pitch helps the students to get practical perspective and enhances their employability skills.
13	Human Resource Management	22BA 202	MBA	2022-23	To develop the students' ability to become a trainer in human resource management and development.
14	Financial Management	22BA 203	MBA	2022-23	Provides an understanding of the overall role and importance of the finance function and Demonstrates basic finance management knowledge
15	Entrepreneurship & Small Business Management	22BA 204	MBA	2022-23	
16	Research Methodology & IPR	22PG 201	MBA	2022-23	
17	Operations Management	22BA 205	MBA	2022-23	Provides skills in managing inventory, quality, and operations
18	Any Online Course NPTEL/SWAYAM/edX/Coursera/Stanford Online/ / OpenClassrooms/ UDEMY / Open2Study/ ALISON/ Khan Academy/ NSE-NCFM/IRDA/NISM/ Any course related to MBA from the authentic sources with prior permission.	GE06	MBA	2022-23	
19	Consumer Behavior	22BA 206(II)	MBA	2022-23	Imparts knowledge about consumers and their insights.
20	Selling & Negotiation skills	22BA2L1	MBA	2022-23	Exposing students to sell patch and Negotiton skills will enhance their employability skills
42	NPTEL/SWAYAM/edX/Coursera/Stanfor d Online/Udacity/ OpenClassrooms/ Open2Study/ ALISON/ Khan Academy/ NSE-NCFM/IRDA/NISM/ Any course related to MBA from the authentic sources with prior permission.		MBA	2022-23	

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54	Employability Skills	22GE11	MBA	2022-23	To equip the students to develop soft and hard skills to fit into the present entrepreneurial environment with allround personality development.
68	General Chemistry	20CH1T1	PG CHE	2020-21	Employability : The content knowledge will help the students to securing teaching jobs.
69	Inorganic Chemistry - I	20CH1T2	PG CHE	2020-21	Employability :The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
70	Organic Chemistry - I	20CH1T3	PG CHE	2020-21	Employability :The context knowledge to secure a teaching job, paint, pharma industry, food & beverages .
71	Physical Chemistry - I	20CH1T4	PG CHE	2020-21	Employability :The context knowledge to secure a teaching job
72	Inorganic Chemistry	20CH1L1	PG CHE	2020-21	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
73	Organic Chemistry	20CH1L2	PG CHE	2020-21	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
74	Organic Spectroscopy	20CH2T1	PG CHE	2020-21	Skill development: The content knowledge will help the students to securing teaching jobs.
75	Inorganic Chemistry - II	20CH2T2	PG CHE	2020-21	Skill development: The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
76	Organic Chemistry - II	20CH2T3	PG CHE	2020-21	Skill development: The context knowledge to secure a teaching job, paint, pharma industry, food & beverages .
77	Physical Chemistry - II	20CH2T4	PG CHE	2020-21	Skill development: The context knowledge to secure a teaching job
78	Organic Chemistry Practical - II	20CH2L1	PG CHE	2020-21	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
79	Physical Chemistry Practical	20CH2L2	PG CHE	2020-21	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
80	Chemistry in Daily Life (Open Elective - I)	20 OECH	PG CHE	2020-21	Skill development: Lab courses are intended to impart the skills in the students to make them job reading
81	Chemistry in Daily Life (Open Elective - I)	20 OECH	PG CHE	1998-99	Skill development: The courses are intended to impart the skills in the students to make them job reading
82	ORGANIC PREPARATIONS	20CH3L1	PG CHE	2017-18	Skill development: The content knowledge will help the students to securing teaching jobs.

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90	POLYMER CHEMISTRY	20OET1	PG CHE	1998-99	Employability : The context knowledge to secure a teaching job as well as in metal alloy industry, cement ,manufactures, chemical manufacturers.
100	22CH1T1	22CH1T1	PG CHE	2017-18	Employability: The content knowledge will help the students to secure teaching jobs.
101	22CH1T2	22CH1T2	PG CHE	2017-18	Employability: The Content knowledge helps to secure a teaching job as well as in metal alloy industry, cement manufactures, chemical manufacturers etc.
102	22CH1T3	22CH1T3	PG CHE	2017-18	Employability / Entrepreneurship : The Content knowledge will be useful to secure a teaching job, paint industry, pharma industry, food & beverages etc.
103	22CH1T4	22CH1T4	PG CHE	2017-18	Entrepreneurship: The Content knowledge will help student to secure a teaching job
104	22CH1L1	22CH1L1	PG CHE	2020-21	Skill Development : Lab courses are intended to impart the skills in the students to make them job ready
105	22CH1L2	22CH1L2	PG CHE	2020-21	Skill Development : Lab courses are intended to impart the skills in the students to make them job ready
106	22CH2T1	22CH2T1	PG CHE	2017-18	Employability: The content knowledge will help the students to securing teaching jobs.
107	22CH2T2	22CH2T2	PG CHE	2017-18	Employability: The Content knowledge helps to secure a teaching job as well as in metal alloy industry, cement manufactures, chemical manufacturers etc.
108	22CH2T3	22CH2T3	PG CHE	2017-18	Employability / Entrepreneurship : The Content knowledge will be helpful to secure a teaching job, paint industry, pharma industry, food & beverages .
109	22CH2E1	22CH2E1	PG CHE	2022-23	Employability: The Content knowledge to secure a teaching job
110	22CH2E2	22CH2E2	PG CHE	2022-23	Employability / Entrepreneurship : The Content knowledge to secure a teaching job
111	22CH2E3	22CH2E3	PG CHE	2022-23	Employability / Entrepreneurship : The Content knowledge to secure a teaching job
112	22CH2L1	22CH2L1	PG CHE	2022-23	Skill Development : Lab courses are intended to impart the skills in the students to make them job ready
113	22CH2L2	22CH2L2	PG CHE	2022-23	Skill Development : Lab courses are intended to impart the skills in the students to make them job ready

S.NO	TITLE OF THE PAPER	COURSE CODE	Programme Name	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
114	Object Oriented Programming	CS1T1	PG M.Sc(CS)	2017	Employability in the Field of Information Technology by providing Hands on Workshops on Object Oriented Technologies
115	Computer Organization	CS1T2	PG M.Sc(CS)	2017	Employability in the Field of Information Technology by providing Hands on Training on Hardware Technologies.
116	Discrete Mathematical Structures	CS1T3	PG M.Sc(CS)	2017	Employability in Teaching & Software Industries
117	Database Management Systems	CS1T4	PG M.Sc(CS)	2017	Employability in the Field of Information Technology by acquiring knowledge in Database Management and imparting Knowledge by conducting Hands on workshops in Database Technologies.
118	Data Structures	CS1T5	PG M.Sc(CS)	2017	Employability in the Field of Information Technology by acquiring knowledge in the application of Data Structures
119	Data Structures Lab	CS1L1	PG M.Sc(CS)	2017	Employability in the Field of Information Technology and imparting Knowledge by conducting Hands on workshops in Data Structures.
120	DBMS Lab	CS1L2	PG M.Sc(CS)	2017	Employability in the Field of Information Technology by acquiring knowledge in Database Management and imparting Knowledge by conducting Hands on workshops in Database Technologies.
121	Seminar	CS1S1	PG M.Sc(CS)	2017	Employability in the Field of Information Technology and Teaching.
122	Computer Networks	CS2T1	PG M.Sc(CS)	2017	Employability in the Field of Information Technology and Teaching & Networking Institutes and imparting knowledge by proving Hands on Training in Networking.
123	Operations Research	CS2T2	PG M.Sc(CS)	2017	Employability in the Field of Information Technology and other domains.
124	Theory of Computation	CS2T3	PG M.Sc(CS)	2018	Employability in Compiler Design and Natural Language Processing.
125	Software Engineering	CS2T4	PG M.Sc(CS)	2017	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Software Engineering Tools & Methodologies.
126	Operating Systems	CS2T5	PG M.Sc(CS)	2017	Employability in the Field of Information Technology by organizing various workshop on OS Installation and Maintenance

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127	Software Engineering Lab	CS2L1	PG M.Sc(CS)	2017	Employability in the Field of Information Technology & Networking and imparting knowledge by providing Hands on Training on Data Flow Diagrams,ER-Diagrams and UML Diagrams.
128	Computer Networks & Operating Systems Lab	CS2L2	PG M.Sc(CS)	2017	Employability in the Field of Information Technology & Networking and imparting knowledge by providing Hands on Training on OS installation and Networking.
129	Communication Skills	GE01	PG M.Sc(CS)	2017	Employability in the Field of Information Technology / Teaching and imparting Knowledge by providing Training on communication skills
151	Problem Solving Using Python Programming	20CS1T1	PG M.Sc(CS)	2017-18	Employability and skill development in the Field of Information Technology by imparting Skills in Python Programming
152	Computer Organization	20CS1T2	PG M.Sc(CS)	1991-92	Employability in the Field of Information Technology by providing Hands on Training on Hardware Technologies.
153	Software Engineering	20CS1T3	PG M.Sc(CS)	1991-92	Employability in the Field of Information Technology and imparting knowledge by providing Hands on Training in Software Engineering Tools & Methodologies.
154	Database Management Systems	20CS1T4	PG M.Sc(CS)	1991-92	Employability and skill development in the Field of Information Technology by acquiring knowledge in Database Management and imparting Knowledge by conducting Hands on workshops in Database Technologies.
155	Theory of Computation	20CS1T5	PG M.Sc(CS)	2012-13	Employability in the Field of Information Technology by training in providing implementations
156	Problem Solving Using Python Programming Lab	20CS1L1	PG M.Sc(CS)	2017-18	Employability and skill development in the Field of Information Technology by imparting Skills in Python Programming
157	DBMS Lab	20CS1L2	PG M.Sc(CS)	1991-92	Employability and skill development in the Field of Information Technology by acquiring knowledge in Database Management and imparting Knowledge by conducting Hands on workshops in Database Technologies.
158	Seminar	20CS1S1	PG M.Sc(CS)	1992-93	Skill development and Employability in the Field of Information Technology and Teaching.

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159	Computer Networks	20CS2T1	PG M.Sc(CS)	1992-93	Employability in the Field of Information Technology and Teaching & Networking Institutes and imparting knowledge by providing Hands on Training in Networking.
160	Data Structures	20CS2T2	PG M.Sc(CS)	1992-93	Employability in the Field of Information Technology by acquiring knowledge in the application of Data Structures.
161	Web Technologies	20CS2T3	PG M.Sc(CS)	2006-07	Employability in the Field of Information Technology and imparting knowledge by providing Hands on Training in Web Technologies.
162	Operating Systems	20CS2T4	PG M.Sc(CS)	1992-93	Employability in the Field of Information Technology by organizing various workshops on OS Installation and Maintenance.
163	Technical Report Writing	20OE02	PG M.Sc(CS)	2021-22	Employability in the Field of Information Technology and imparting knowledge by providing Hands on computational Mathematics
164	Computational Mathematics (Open Elective)	20CS2L1	PG M.Sc(CS)	1992-93	Employability in the Field of Information Technology and Teaching & Networking Institutes and imparting knowledge by providing Hands on Training in Networking.
165	Computer Networks & Operating Systems Lab	20CS2L2	PG M.Sc(CS)	1992-93	Employability in the Field of Information Technology by acquiring knowledge in the application of Data Structures
166	Data Structures Lab	20CS2T5	PG M.Sc(CS)	2018-19	Skill development in the field of Information Technology enhances employability by fostering the ability to communicate research findings effectively, as well as by improving critical thinking, problem-solving, and documentation skills.
171	Artificial Intelligence & Machine Learning	20OE05	PG M.Sc(CS)	2019-20	English Communication Skills
178	Data Mining Lab		PG M.Sc(CS)	2018-19	
179	Certification Course offered by MOOCS		PG M.Sc(CS)	2018-19	
180	Data Wrangling and Data Visualization	22CA1T1	MCA	2020-21	Employability in the Field of Information Technology by imparting Skills in C Programming.
181	Applied Data Analysis	22CA1T2	MCA	1991-92	Employability and skill development in the Field of Information Technology by acquiring knowledge in Database Management and imparting Knowledge by conducting Hands on workshops in Database Technologies.
182	Deep Learning	22CA1T3	MCA	1991-92	Employability in Teaching & Software Industries
183	Project Work	22CA1T4	MCA	1992-93	Employability in the Field of Information Technology by organizing various workshop on OS Installation and Maintenance

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184	Mobile Application Development (Open Elective-I)	22PG101	MCA	2022-23	Employability in the Field of Information Technology by imparting Skills in C Programming.
185	Internet of Things (IoT)	22CA1L1	MCA	2020-21	Employability in the Field of Information Technology and imparting Knowledge by conducting Hands on workshops in SQL & PL/SQL.
186	Cryptography & Network Security	22CA1L2	MCA	1991-92	Employability in the Field of Information Technology and Teaching & Newoking Institutes and imparting knowledge by proving Hands on Training in Networking.
187	Design & Analysis of Algorithms	22CA2T1	MCA	1992-93	Employability in the Field of Information Technology by acquiring knowledge in the application of Data Structures.
188	Data Mining Techniques	22CA2T2	MCA	1992-93	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
189	Web Technologies	22CA2T3	MCA	2006-2007	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Software Engineering Tools & Methodologies.
190		22PG201	MCA	2020-21	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Android OS.
191	Software Engineering	22CA2E1	MCA	1992-93	Employability in the Field of unix and imparting knowledge by proving Hands on Training in unix platform
192	Mobile Applications	22CA2L1	MCA	1992-93	Employability in the Field of Information Technology and imparting knowledge by proving Hands on Training in Web Technologies.
193	Unix Programming	22CA2L2	MCA	2006-07	Employability in the Field of Information Technology and imparting Knowledge by conducting Hands on workshops in Data Structures.
206	Real Analysis- I	20MA1T1	PG MAT	2017-18	Problem Solving Skill: 1. Formulation of differential equations 2. Finding Solutions of differential equations by various techniques
207	Ordinary Differential Equations	20MA1T2	PG MAT	2017-18	Problem Solving Skill: verification of relationships between different algebraic structures

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208	Algebra	20MA1T3	PG MAT	2017-18	Problem Solving Skill: solves problems using numerical approximation. It involves designing methods that give approximate but accurate numeric solutions, which is useful in cases where the exact solution is impossible or difficult to calculate.
209	Topology	20MA1T4	PG MAT	2017-18	Problem Solving Skill: This course imparts Problem Solving Skills in the students using the programming language C by identifying a better data structure that stores and organizes data in a computer so that it can be used efficiently in any given scenario.
210	C Programming	20MA1T5	PG MAT	2017-18	problem solving skill
211	C Programming Lab	20MA1L1	PG MAT	2020-21	Problem Solving Skill&Employability skill: develops simple console-based programs using C language with features like decision-making statements, loops, functions & arrays.
212	Complex Analysis	20MA1L2	PG MAT	2020-21	Problem Solving Skill: solves problems of complex variables and functions.
213	Numerical Methods	20MA2T1	PG MAT	2017-18	Problem Solving Skill: develop and analyze numerical methods for solving problems that arise in other areas of mathematics, such as calculus, linear algebra, or differential equations.
214	Partial Differential Equations	20MA2T2	PG MAT	2017-18	Problem Solving Skill: 1. Formulation of partial differential equations 2. Finding Solutions of partial differential equations by various techniques
215	Lattice Theory	20MA2T3	PG MAT	2020-21	Problem Solving Skill:Lattice theory, a fundamental component of mathematical structures, delves into how order relationships interact within a set, offering insights into algebraic and geometric principles.
216	Algebraic Coding Theory	20MA2T5	PG MAT	2017-18	Problem Solving Skill: In this course we focus on basic graph algorithms. Problems arising in communication networks, social networks and transportation networks are naturally modelled as problems on graphs. Graph algorithms are among the extensively investigated and applied topics in computer science.
217	Graph Theory	20MA2T4	PG MAT	2020-21	problem solving skill

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218	Discrete Mathematical Structures	20MA2T6	PG MAT	2017-18	Problem solving skill&Employability skill
219	Numerical Methods Lab	20MA2L1	PG MAT	2020-21	Problem Solving Skill: It is concerned with limits, continuity, differentiation, and integration problem solving skills laying the groundwork for understanding the calculus and beyond. These concepts are not only foundational for advanced mathematical studies but also have applications in physics, engineering, and economics.
220	REAL ANALYSIS -I	20MA1T1	PG MAT	2017-18	Problem Solving Skill: 1.Formulation of differential equations 2. Finding Solutions of differential equations by various techniques
221	ORDINARY DIFFERENTIAL EQUATIONS	20MA1T2	PG MAT	2017-18	Problem Solving Skill: verification of relationships between different algebraic structures
222	ALGEBRA	20MA1T3	PG MAT	2017-18	Problem Solving Skill: solves problems using numerical approximation. It involves designing methods that give approximate but accurate numeric solutions, which is useful in cases where the exact solution is impossible or difficult to calculate.
223	TOPOLOGY	20MA1T4	PG MAT	2017-18	Problem Solving Skill: This course imparts Problem Solving Skills in the students using the programming language C by identifying a better data structure that stores and organizes data in a computer so that it can be used efficiently in any given scenario.
224	C PROGRAMMING	20MA1T5	PG MAT	2017-18	problem solving skill
225	PRACTICAL	20MA1L1	PG MAT	2020-21	Problem solving skill
226	C PROGRAMMING LAB	20MA1L2	PG MAT	2020-21	Problem solving skill
227	COMPLEX ANALYSIS	20MA2T1	PG MAT	2017-18	Problem Solving Skill: develop and analyze numerical methods for solving problems that arise in other areas of mathematics, such as calculus, linear algebra, or differential equations.
228	NUMERICAL METHODS	20MA2T2	PG MAT	2017-18	Problem Solving Skill: 1.Formulation of partial differential equations 2. Finding Solutions of partial differential equations by various techniques

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229	PARTIAL DIFFERENTIAL EQUATIONS	20MA2T3	PG MAT	2020-21	Problem solving skill: In this course we focus on basic graph algorithms. Problems arising in communication networks, social networks and transportation networks are naturally modelled as problems on graphs. Graph algorithms are among the extensively investigated and applied topics in computer science.
230	GRAPH THEORY AND ALGORITHMS	20MA2T4	PG MAT	2020-21	Problem Solving Skill: "Lattice theory, a fundamental component of mathematical structures, delves into how order relationships interact within a set, offering insights into algebraic and geometric principles."
231	LATTICE THEORY	20MA2T5	PG MAT	2017-18	Problem Solving Skill: Solves problems related to gradients, partial derivatives, multiple integrals, and differential forms, providing a foundation for fields like physics, engineering, and economics.
232	REAL ANALYSIS -II	20MA2T6	PG MAT	2017-18	Problem solving skill
233	NUMERICAL METHODS LAB	20MA2L1	PG MAT	2020-21	Problem Solving Skill: The theory and applications of the Lebesgue integral via measure theory can be used to solve a variety of problems in mathematics.
239		20OET01	PG MAT	2020-21	Problem Solving Skill: solves systems of linear equations
246		20OET02	PG MAT	2020-21	Problem solving skill : Solves problems related to noetherian/artinian/semisimple rings, by applying the characterizations discussed in the course.
253	Real Analysis- I	22MA1T1	PG MAT	2022-23	Problem solving skill: 1. Formulation of differential equations 2. Finding Solutions of differential equations by various techniques
254	Ordinary Differential Equations	22MA1T2	PG MAT	2022-23	Problem solving skill: verification of relationships between different algebraic structures
255	Algebra	22MA1T3	PG MAT	2022-23	Problem solving skill: solves problems using numerical approximation. It involves designing methods that give approximate but accurate numeric solutions, which is useful in cases where the exact solution is impossible or difficult to calculate.

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256	Topology	22MA1T4	PG MAT	2022-23	Problem solving skill:This course imparts Problem Solving Skills in the students using the programming language C by identifying a better data structure that stores and organizes data in a computer so that it can be used efficiently in any given scenario.
257	C Programming	22MA1T5	PG MAT	2022-23	Problem solving skill
258	C Programming Lab	22MA1L1	PG MAT	2022-23	Problem solving skill
259	Complex Analysis	22MA2T1	PG MAT	2020-21	Problem solving skill: develop and analyze numerical methods for solving problems that arise in other areas of mathematics, such as calculus, linear algebra, or differential equations.
260	Numerical Methods	22MA2T2	PG MAT	2020-21	Problem solving skill: 1.Formulation of partial differential equations 2. Finding Solutions of partial differential equations by various techniques
261	Partial Differential Equations	22MA2T3	PG MAT	2020-21	Problem solving skill: Lattice theory, a fundamental component of mathematical structures, delves into how order relationships interact within a set, offering insights into algebraic and geometric principles."
262	Lattice Theory	22MA2T4	PG MAT	2020-21	Problem solving skill:Uses algebraic techniques to construct efficient codes and identifies the parameters of a given code.
263	Algebraic Coding Theory	22MA2D1	PG MAT	2022-23	Problem solving skill: Model many types of relations and processes in physical, biological, social and information systems and has a wide range of useful applications.
264	Graph Theory	22MA2D2	PG MAT	2022-23	Problem solving skill: Solves and analyzes real world problems like for understanding algorithms, creating logical solutions in programming or software system design specifications, etc.
265	Discrete Mathematical Structures	22MA2D3	PG MAT	2022-23	Problem Solving skill&Employability skill
266	Numerical Methods Lab	22MA2L1	PG MAT	2020-21	
267	CLASSICAL MECHANICS	22PH1T1	MSC PHYSICS	2003-04	The student learns basic laws of physics applied at macroscopic level
268	MATHEMATICAL PHYSICS	22PH1T2	MSC PHYSICS	2003-04	Different mathematical methods will improve the skill of student to solve problems

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269	ATOMIC AND MOLECULAR PHYSICS	22PH1T3	MSC PHYSICS	2012-13	Learn different atomic & molecular spectroscopic techniques
270	ELECTRONICS	22PH1T4	MSC PHYSICS	2003-04	Understands the theory of opamp, digital circuits and microprocessor
271	PERSONALITY DEVELOPMENT THROUGH LIFE ENLIGHTENMENT SKILLS	22PG101	MSC PHYSICS	2022	Helps the student to develop life skills
272	GENERAL PHYSICS LAB-I	22PH1L1	MSC PHYSICS	2003-04	Learns working on equipment related to theory
273	ELECTRONICS LAB-I	22PH1L2	MSC PHYSICS	2003-04	Learns different experiments which may help for employment
274	STATISTICAL MECHANICS	22PH2T1	MSC PHYSICS	2003-04	Learns different particle distributions which will help in other courses also
275	QUANTUM MECHANICS-I	22PH2T2	MSC PHYSICS	2003-04	Learns about different quantum mechanical systems
276	SOLIDSTATE PHYSICS	22PH2T3	MSC PHYSICS	2003-04	Learns the internal structure of solids and properties
277	RESEARCH METHODOLOGY & IPR	22PG201	MSC PHYSICS		Student learns methods of research
278	COMPUTATIONAL METHODS & C PROGRAMMING	22PH2D1	MSC PHYSICS	2017-18	Learns C programming and different numerical methods which may help in employment
279	GENERAL PHYSICS LAB-II	22PH2L1	MSC PHYSICS	2003-04	To apply the theoretical principles of physics to relevant equipment which may help in employment
280	C – PROGRAMMING AND MICROPROCESSOR	22PH2L2	MSC PHYSICS	2003-04	Student learns C-programming & microprocessor programming