

Programme Outcomes (POs)																
PO1: To build strong foundation for IT, management and relative domain specific concepts.																
PO2: To gain knowledge and build skills on tools and techniques for qualitative and quantitative analysis.																
PO3: To build skills to develop IT applications for businesses processes by applying software development life cycle.																
PO4: To develop the analysis and communication skills along with creative thinking to provide the techno-management solutions for the problems in business, social and government sectors.																
PO5: To build an entrepreneurial mind-set.																
PO6: To develop an understanding of social and ethical concerns of business.																
Sem	T Code	Course Code	Course Name	Credit	Core/Specialisation	Faculty Name	CO's	CO Statement	CO Target	CO	PO1	PO2	PO3	PO4	PO5	PO6
Sem II	T3114	301410201	Object Oriented Analysis Design	4	Core	Dr. Sachin Naik + Dr. Sachin Naik (4+4)	CO1	Students are able to demonstrate different aspects of Object Oriented Analysis and Design	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
							CO2	Students are able to implement principles of requirement analysis and design using UML	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
							CO3	Students are able to learn use case, class diagram, sequence diagram and design using UML	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
							CO4	Students are able to learn activity diagram, state diagram, component and deployment diagrams	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
							CO5	Students are able to implement types of categories of design patterns on real time projects	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
							CO6	Students are able to demonstrate the architecture centric software design.	60	Global	Moderate-M	Weak-L	Weak-L	Strong-H	Moderate-M	Weak-L
							CO7	Students are able to demonstrate the application of OOAD through case studies.	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
Sem II	T3285	301410202	Analysis of Business Case using Spreadsheets	3	Core	Mr. Rohan Bhase + Mr. Rohan Bhase	CO1	To lay out the foundation of spreadsheet based tools useful for the business operations	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							CO2	To Analysing the business issues and finding the solution with the help of excel form	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO3	To Analysing and formulating models in excel to save the time and money while decision making	60	Global	Weak-L	Strong-H	Weak-L	Strong-H	Weak-L	Strong-H
							CO4	To Use of VBA with excel for more betterment in finding solutions for business issues	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO5	To apply formulas for solving business problems	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO6	To measure and evaluate the real world business data using spreadsheets	60	Global	Strong-H	Weak-L	Strong-H	Weak-L	Strong-H	Strong-H
							CO7	To understand and analyze the various financial reports related analysis	60	Global	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L
Sem II	F0003	301410203	E-business Management and Strategy Flexi-Credit Course	3	Core	Mr. Sagar Bedre(3+3)	CO1	Students should understand how E-Business has evolved in network economy and how it is changing the business landscape	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO2	Students should be aware of B2B and issues related to direct B2C marketing on the internet	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO3	Students should visualize the transformational change in the network economy.	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO4	Students should also understand various business processes and their integration in the network economy	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L
							CO5	Students should learn about applications of E-business in E-procurement, supply chain management and e-commerce	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO6	Students should also learn about E-Business pitfalls.	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Moderate-M
							CO7	Students should be updated about E-Business implementation and maintenance.	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L	Moderate-M
Sem II	T3492	301410204	Internet of Things	2	Core	Prof. Dr. Jatinderkumar R. Saini	CO1	To explain related terminology, history and IoT paradigm	60	Global	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							CO2	To describe technologies supporting IoT	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
							CO3	To explain IoT security	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Strong-H	Weak-L
							CO4	To describe Cloud, IIoT, GIoT and applications of IoT	60	Global	Strong-H	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L
							CO5	To describe basic programming steps with IoT	60	Global	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
							CO6	To describe fog computing, edge computing and cloud computing from IoT perspective	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
Sem II	T2281	301410205	Talent Acquisition	2	Core	Dr. Sarika Sharma + Dr. Sarika Sharma	CO1	To explain HR Planning and strategy for Human Resource Management and the current business environment	60	Global	Weak-L	Weak-L	Strong-H	Moderate-M	Weak-L	Weak-L
							CO2	To List the Strategy Staffing, Business & Staffing Strategies – Planning, Types of recruitment and selection process	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
							CO3	To inspect the various Interviewing Techniques, Types of Interviews, Selection Process and Recruitment strategies	60	Global	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
							CO4	To choose Forecasting techniques of Demand & Supply for Quantitative & Qualitative methods	60	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
							CO5	To Analyze the Job Analysis, Job Description & Job Specification methods	60	Global	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
Sem II	T3656	301410206	AI and ML for Business Management (Opted)	2	Core	Dr. Rajesh Dhanraj + Mr. Chaitanya Kul	CO1	To understand Basics of AI and ML	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H
							CO2	To understand Role of AI and ML in Business Performance	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L
Sem II	T3072	301410214	Business Intelligence I	3	Specialization Course	Ms. Prajakta Soman	CO3	To be able to apply AI and ML approach for Business Process Automations, Manufacturing and Supply Chain Management	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L
							CO1	To understand the need of BI in today's world in terms of providing business value	60	Global	Moderate-M	Moderate-M	Weak-L	Strong-H	Strong-H	Strong-H
							CO2	To understand the different stages of data in the BI process	60	Global	Strong-H	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L
							CO3	To understand different components of BI and their role in providing value	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Strong-H	Weak-L
							CO4	To study any one data mining algorithm used in BI	60	Global	Moderate-M	Strong-H	Strong-H	Weak-L	Moderate-M	Weak-L
							CO5	To evaluate and analyse any one commercially available BI product	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L
							CO6	To study Big Data in terms of its characteristics, challenges and opportunities in BI	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
Sem II	T3499	301410215	Data Analysis Using Python	3	Specialization Course	Dr. Sachin Naik	CO1	To discuss and exercise different array operations using Numpy	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO2	To discuss case study based on Numpy numerical operations	60	Global	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
							CO3	To understand concept of data frames and file operations using pandas.	60	Global	Moderate-M	Weak-L	Strong-H	Strong-H	Weak-L	Weak-L
							CO4	To discuss case studies on pandas data frames	60	Global	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L	Moderate-M
							CO5	To understand and implement relational database and NOSQL databases using python	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L
							CO6	To understand and implement concept of classification techniques.	60	Global	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H
Sem II	T3664	301410216	Data Management and Visualization	3	Specialization Course	Mr. Prathamesh Lahande	CO1	To understand the basics of data management	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							CO2	To identify the challenges in data management and its visualization	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO3	To understand various applications of data management	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H
							CO4	To evaluate the impacts of data visualization on business process management	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO5	To learn the impacts of Data Management and Visualization	60	Global	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H
							CO6	To understand and implement concept of Data Management and Visualization techniques	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M
Sem II	T3113	301410217	Data Warehousing Architecture and Operations	3	Specialization Course	Dr. Anil Vibhute	CO1	To understand DW Model Development in terms of architecture, technology and data integration	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO2	To design DW model based on data warehouse architecture.	60	Global	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
							CO3	To implement scorecard and dashboard technique	60	Global	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L
							CO4	To explore one of the tool including Tableau, Talend, Power BI, Pentaho, Clover ETL	60	Global	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L
							CO5	To develop and build one of the DW application for an organization	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L
							CO6	To evaluate and analyse DW application based on critical factors.	60	Global	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H
Sem II	T3440	301410218	Fundamentals of Data Science	3	Specialization Course	Dr. Priti Kulkarni	CO1	To learn Enterprise Architecture for ERP Applications	60	Global	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H
							CO2	To understand the business implementation for ERP functions	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
							CO3	To understand the functional implementation of inventory, hr and sales	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
							CO4	To understand SAP implementation of various enterprise function	60	Global	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
							CO5	To understand the workflows in SAP R/3	60	Global	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
							CO6	To learn and understand the customization of SAP R/3	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M
Sem II	F0002	301410219	Cloud and Big Data (Flexi-Credit Course)	2	Specialization Course	Dr. Parag Kaveri	CO1	To understand basics of big data and cloud	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
							CO2	To elaborate the core concepts of big data and cloud	60	Global	Moderate-M	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
							CO3	To discuss various in terms of big data with Data Mining and Text Mining	60	Global	Moderate-M	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
							CO4	To explain the use of cloud and its applications	60	Global	Moderate-M	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
							CO5	To understand cloud computing and enabling technologies	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Strong-H	Strong-H
Sem II	T3495	301410226	Product Management	3	Specialization Course	Mr. Parag Joshi	CO1	Student should be able to identify and specify market requirements and the role of product manager	60	Global	Weak-L	Strong-H	Weak-L	Moderate-M	Moderate-M	Moderate-M
							CO2	Student should be able to understand product life cycle considerations and differentiation	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO3	Student should be able to develop pre-sales plan.	60	Global	Weak-L	Strong-H	Weak-L	Moderate-M	Moderate-M	Moderate-M
							CO4	Student should be able to gather requirements for new product development (NPD).	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO5	Student should be able to translate feature requirements into development specifications	60	Global	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO6	Student should be able to evaluate different strategies to market the IT products in different markets	60	Global	Weak-L	Strong-H	Weak-L	Moderate-M	Moderate-M	Moderate-M
Sem II	T3300	301410227	Software Quality Process and Assurance I	3	Specialization Course	Shubhashree Waghmare	CO1	Understanding of Quality Tools & Techniques	60	Global	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO2	Understanding Software Quality Principles and Concepts	60	Global	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO3	Planning for Software Quality and Assessment	60	Global	Global	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L
							CO4	Understanding Risk and Configuration Management	60	Global	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
							CO5	Developing Quality Framework	60	Global	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Moderate-M
							CO6	Understanding Software Quality Assessment	60	Global	Global	Moderate-M	Weak-L	Weak-L	Moderate-M	Moderate-M
							CO7	Developing Quality Culture	60	Global	Global	Weak-L	Moderate-M	Moderate-M	Moderate-M	Moderate-M
Sem II	T3298	301410228	Software Quality Standards I	3	Specialization Course	Shubhashree Waghmare	CO1	Understanding of software quality needs and requirements in an organization	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
							CO2	Understanding Quality standards	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
							CO3	Understanding quality culture	60	Global	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Moderate-M
							CO4	Understanding of ISO9001:2015	60	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M
							CO5	Understanding of certification bodies, audit types, auditor qualities, conduct of audit	60	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M

						C06	Understanding of ISO20000-1 (ITIL)	60	Global	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
						C07	Understanding Gap analysis activity	60	Global	Weak-L	Weak-L	Moderate-M	Moderate-M	Moderate-M	Strong-H
Sem II	T3124	301410229	Software Verification and Validation	3	Specialization Course	Mr. Prathamesh Lahande	C01	To understand the basics of Software Verification	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
						C02	To understand the basics of Software Validation	60	Global	Moderate-M	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
						C03	To understand various applications of SVV	60	Global	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
						C04	To evaluate the impacts of SVV	60	Global	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
						C05	To learn the impacts of SVV with respect to modern technologies	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Strong-H	Strong-H
						C06	To understand and implement concept of SVV techniques.	60	Global	Strong-H	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H
Sem II	T3496	301410230	Software Versioning	3	Specialization Course	Ms. Rasila Walhekar	C01	To explain Purpose of Software Versioning	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
						C02	To develop SDL/C	60	Global	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M	Weak-L
						C03	To understand Software Configuration Management	60	Global	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L
						C04	To explore Version control and Change control	60	Global	Moderate-M	Weak-L	Strong-H	Moderate-M	Strong-H	Strong-H
						C05	To organize auditing	60	Global	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-M	Moderate-M
						C06	To elaborate the concepts of versioning	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H
Sem II	F0002	301410231	Cloud and Big Data (Flexi-Credit Course)	3	Specialization Course	Dr. Parag Kaveri	C01	to understand basics of big data and cloud	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
						C02	to elaborate the core concepts of big data and cloud	60	Global	Moderate-M	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
						C03	to discuss various in terms of big data with Data Mining and Text Mining	60	Global	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
						C04	to explain the use of cloud and its applications	60	Global	Moderate-M	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
						C05	to understand cloud computing and enabling technologies	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Strong-H	Strong-H
Sem II	T3350	301410207	IT Business Analysis	2	Generic Elective Course	Not Opted	Course Outcome (CO) 1	SDLC	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L
							Course Outcome (CO) 2	To Learn the concepts of Planning and Monitoring the project.	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							Course Outcome (CO) 3	To Apply the techniques in defining the business need along with assessing the capability gaps.	60	Global	Moderate-M	Weak-L	Weak-L	Strong-H	Weak-L
							Course Outcome (CO) 4	To Understand the requirements management & Communication in detail.	60	Global	Weak-L	Moderate-M	Weak-L	Weak-L	Moderate-M
							Course Outcome (CO) 5	To Understand and applying various Requirements Techniques.	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L
Sem II	T2058	301410210	Advanced Topics in Corporate Finance	3	Specialization Course	Not Opted	Course Outcome (CO) 1	Understanding The Concepts of Corporate Finance	60	Global	Weak-L	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 2	Identify various Financial Scenarios with Case Analysis	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
							Course Outcome (CO) 3	Make use of Corporate Finance Management methods	60	Global	Weak-L	Moderate-M	Strong-H	Moderate-M	Moderate-M
							Course Outcome (CO) 4	Classify and analyze Mergers and Acquisitions	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M
							Course Outcome (CO) 5	Plan Investment Decisions in Corporate Finance	60	National/Local	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 6	Develop understanding of the Applications of Corporate finance	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
Sem II	T3102	301410212	IT Solutions to Banking and Financial Markets I	3	Specialization Course	Not Opted	Course Outcome (CO) 1	To Understand the Excel Tools and Techniques related to financial tools	60	Global	Strong-H	Moderate-M	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 2	To Understand the Financial Modeling used in Financial statements	60	National/Local	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M
							Course Outcome (CO) 3	To Plan and analyze the Financial Models	60	National/Local	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M
							Course Outcome (CO) 4	To Understanding various excel techniques useful	60	National/Local	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 5	To acquire the knowledge of various technology used in the Financial world.	60	National/Local	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 6	To use IT system for financialmarket conditions.	60	National/Local	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 7	To acquire with capital and financial decision making process	60	National/Local	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
Sem II	T3508	301410213	Asset Liability Management (ALM) in Finance	3	Specialization Course	Not Opted	Course Outcome (CO) 1	Understand the potential consequences of duration and funding gaps on the balance sheet.	60	Global	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M
							Course Outcome (CO) 2	enterprise risk management.	60	National/Local	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 3	(economic) value of equity.	60	National/Local	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							Course Outcome (CO) 4	A-VL committee.	60	Global	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L
							Course Outcome (CO) 5	Best Governance practices for asset-liability committee.	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M
							Course Outcome (CO) 6	To understand the balance sheet management benefits of securitization.	60	Global	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 7	Computation of risk measures for the market (economic value of equity).	60	Global	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
Sem II	T2003	301410214	Financial Accounting	2	Specialization Course	Not Opted	Course Outcome (CO) 1	Learning of basic accounting concepts and terminologies	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M
							Course Outcome (CO) 2	Knowledge of Various calculation methods and its use.	60	National/Local	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 3	knowledge of Various valuation and conventions and its use in corporate.	60	National/Local	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 4	Understanding of financial statements including cash flow statement and accounting standards.	60	National/Local	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 5	Analyze the financial statements using various tools	60	National/Local	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
Sem II	T2036	301410215	Financial Management	3	Specialization Course	Not Opted	Course Outcome (CO) 1	Learnings of basic accounting concepts and terminologies	60	Global	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M
							Course Outcome (CO) 2	Knowledge of Various calculation methods and its use.	60	National/Local	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 3	knowledge of Various valuation and conventions and its use in corporate.	60	National/Local	Weak-L	Moderate-M	Weak-L	Strong-H	Weak-L
							Course Outcome (CO) 4	Understanding of financial statements including cash flow statement and accounting standards.	60	National/Local	Weak-L	Weak-L	Moderate-M	Weak-L	Strong-H
Sem II	T2062	301410224	IT Service Management	3	Specialization Course	Not Opted	Course Outcome (CO) 1	Analyze the financial statements using various tools	60	National/Local	Strong-H	Weak-L	Moderate-M	Weak-L	Moderate-M
							Course Outcome (CO) 2	To identify the Service Strategy(SS)	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H
							Course Outcome (CO) 3	To classify the Service Design(SD)	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 4	To explain the Service Transition(ST)	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 5	To Actualize the CMDB- Its role	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 6	To explain the Service Operations (SO)	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 7	To identify the Continual Service Improvement (CSI)	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 8	To Actualize the IT Governance and IT Management	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
Sem II	T3060	301410225	IT Infrastructure Essentials	2	Specialization Course	Not Opted	Course Outcome (CO) 1	Overview of IT INFRASTRUCTURE Components, Terms, Terminologies, Devices and Scope	60	Global	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 2	Standards, Best Industry Practices	60	Global	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 3	Standards, Best Industry Practices	60	Global	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 4	Frameworks, Standards, Best Industry Practices	60	Global	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 5	Standards, Best Industry Practices	60	Global	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L
Sem II	T2061	301410226	IT Infrastructure Library	2	Specialization Course	Not Opted	Course Outcome (CO) 1	Understanding Service Management, ITIL, IT Service Lifecycle	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							Course Outcome (CO) 2	Business Relationship	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							Course Outcome (CO) 3	Understanding Service Design and Coordination, IT Service Continuity, Information Security	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							Course Outcome (CO) 4	Service Improvement	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							Course Outcome (CO) 5	Understanding of IT Governance, Relationship with IT Service Management, COBIT Framework	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
Sem IV	T3912	301410401	Industry Internship	12	Core	Dr. Sarika Sharma	C01	To develop and refine skills	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H
							C02	To gain work experience	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M
							C03	To gain interpersonal and leadership skills.	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M
							C04	To integrate theory and practice in the field.	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M
T2013	301410208		Trends in Digital Communication Technologies Management	2	Generic Elective Course	Not Opted	Course Outcome (CO) 1	To Demonstrate understanding of the rise and development of the concept of digital business	60	Global	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 2	To explain how to develop competitive advantage through technology	60	Global	Strong-H	Weak-L	Strong-H	Weak-L	Moderate-M
							Course Outcome (CO) 3	To analyze the adoption of contemporary trends and technology in digital businesses	60	Global	Weak-L	Weak-L	Strong-H	Strong-H	Moderate-M
							Course Outcome (CO) 4	Presenting	60	Global	Weak-L	Strong-H	Weak-L	Weak-L	Strong-H
							Course Outcome (CO) 5	To differentiate between various digital business tools.	60	Global	Strong-H	Weak-L	Weak-L	Strong-H	Weak-L
							Course Outcome (CO) 6	Understanding of Business Analytics	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							Course Outcome (CO) 7	Understanding python for data analytics	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 8	Understanding the data science packages	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H
							Course Outcome (CO) 9	Understanding the statistics basic using python	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 10	To learn data visualization skills to summarize and present data to a third party.	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H
							Course Outcome (CO) 11	To define detailed functional designs for analytic models and supporting data structures	60	Global	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
							Course Outcome (CO) 12	To design and evaluate functional designs for analytic models and supporting data structures	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
T3539	301410220		Relational Algebra and Calculus	2	Specialization Course	Not Opted	Course Outcome (CO) 1	which involves set theory applications	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
							Course Outcome (CO) 2	Students must be able to write Relational Algebra for a given Relational Schema	60	Global	Moderate-M	Weak-L	Strong-H	Moderate-M	Weak-L
							Course Outcome (CO) 3	problem students must be able to understand requirement of queries ; what is expected to be	60	Global	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
							Course Outcome (CO) 4	problem students must be able to apply relational Algebra to domain specific queries.	60	Global	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
T3325	301410227		Network Planning and Design	2	Specialization Course	Not Opted	Course Outcome (CO) 1	To explain Standards and method of network design	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L
							Course Outcome (CO) 2	To understand the concept of Network topology	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							Course Outcome (CO) 3	To understand the parameters for measuring Network performance	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Moderate-M
							Course Outcome (CO) 4	Planning and design of campus network	60	Global	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M
T3312	301410233		Project Management Suite	2	Specialization Course	Not Opted	Course Outcome (CO) 1	Project Management Fundamentals.	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L

							Course Outcome (CO) 2	Operating Project Management Suite -- MS Project	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 3	Controlling Project Resources using MS Project	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
							Course Outcome (CO) 4	Controlling and Tracking Master and sub-projects	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L
							Course Outcome (CO) 5	MS Project advanced features using Case Studies	60	Global	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H	Strong-H

Programme Outcomes (POs)																
PO1: To build strong foundation for IT, management and relative domain specific concepts.																
PO2: To gain knowledge and build skills on tools and techniques for qualitative and quantitative analysis.																
PO3:To build skills to develop IT applications for businesses processes by applying software development life cycle.																
PO4:To develop the analysis and communication skills along with creative thinking to provide the techno-management solutions for the problems in business, social and government sectors.																
PO5:To build an entrepreneurial mind-set.																
PO6:To develop an understanding of social and ethical concerns of business.																
Sem	T Code	Course Code	Course Name	Credit	Core/Specialisation	Faculty Name	CO's	CO Statement	CO Target	CO	PO1	PO2	PO3	PO4	PO5	PO6
Sem I	T3115	301410101	Relational Database	4	Core	Prathamesh Lahande+Prathamesh Lahan	CO1	To understand Database Management	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO2	To understand Entity Relationship Diagram and its Components	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO3	To understand Structured Query Language	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO4	To understand Transaction Management and Concurrency Controls	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO5	To understand the concept of Database Recovery	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
Sem I	T3575	301410102	Software Engineering (Agile)	4	Core	Shubhashree Waghmare+Shubhashree W	CO1	To analyze what is agile, why agile is better suited for these situations.	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO2	To classify an alternative approaches for building software	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO3	To examine common agile frameworks like scrum and XP.	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO4	To list various agile programming techniques	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO5	To test the different agile methodologies	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO6	To classify various software development models	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
Sem I	T3078	301410103	Principles and Practice of IT	3	Core	Dr.Sarika Zambad +Dr.Sarika Zambad	CO7	To compare approaches of different development models	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO1	To understand the General Management fundamentals and role of IT	60	Global	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L
							CO2	To Examine the management roles, responsibilities, functions, requirements, and ho	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
							CO3	To learn management approaches, business models, strategy, organization and value	60	Global	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L
							CO4	To study IT enabled business models, frameworks, business processes, and business	60	Global	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
							CO5	To understand and relate management perspective, business strategy, and role of tec	60	Global	Strong-H	Weak-L	Strong-H	Strong-H	Moderate-M	Weak-L
							CO6	To learn e-business fundamentals and Business ethics, CSR, Corporate Governance	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H
Sem I	T3071	301410104	Basic Business Statistics for	2	Core	Dr.Shilpa Mujumdar+Dr.Shilpa Mujumdar	CO1	Students should be able to understand concept of Data, importance of Statistics and i	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L
							CO2	Students should be able to comprehend the Data in the form of Frequency Distributi	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L
							CO3	Students should be able to analyse the data in terms of averages i.e. Measures of Cer	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L
							CO4	Students should be able to analyse the data in terms of Dispersion, Skewness & Kurt	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L
							CO5	Students should be able to link the variables through Correlation Analysis and interp	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L
							CO6	Students should be able to calculate regression equation and use it for prediction for	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L
							CO7	Students should be able to calculate all statistical tools learnt in subject using spread	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L
Sem I	T2139	301410105	Digital Marketing	2	Core	Vijay Haldavnekar+Vijay Haldavnekar	CO1	Assess and analyze internet marketing and utilize it for marketing communication opt	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L
							CO2	Compare and contrast different tools and techniques for digital marketing and suggest	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Strong-H
							CO3	Evaluate and prepare digital marketing strategies using latest trends.	60	Global	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L	Strong-H
							CO4	Use of social media marketing as a tool.	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L	Strong-H
Sem I	T3076	301410106	Enterprise Resource Planning	2	Core	Satyajit Wale+Satyajit Wale	CO1	Student should be able to identify the factors that led to development of ERP system	60	Global	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M
							CO2	Student should be able to appreciate the percolation of ERP into core business process	60	Global	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
							CO3	Student should be able to understand the relationship between technological motivat	60	Global	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
							CO4	Student should be able to discover the implementation process of ERP Project.	60	Global	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
							CO5	Student should be able to list the process of integrating ERP with CRM, SCM & PL	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
							CO6	Student should be able to examine the relationship between ERP and SaaS & Cloud	60	Global	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
							CO7	Student should be able to practice the purchase & sales module of SAP ERP.	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
Sem I	T3198	301410107	Introduction to Python	2	Core	Shirish Joshi+Shirish Joshi	CO1	To understand the basic concepts of a programming language and Python	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO2	To understand and analyse the control constructs like if, for and while	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO3	To understand and analyse the lists, strings and dictionary in Python along with their	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO4	To understand and implement built-in functions and methods of various objects	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO5	To implement the control constructs and lists in various applications	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
Sem I	T3016	301410108	PHP	2	Core	Dr. Sandeep Gaikwad+ Dr. Sandeep Gaikwad	CO1	To summarize and analyze the basic structure of a PHP.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
							CO2	To identify Statements of PHP.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
							CO3	To classify the Arrays in PHP.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
							CO4	To explain and summarize String in PHP.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
							CO5	To explain and predict the database connectivity.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
Sem I	T2225	301410109	Research Methodology	2	Core	Dr.Sarika Sharma +Dr.Sarika Sharma	CO6	To Actualize the Session management in PHP.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
							CO1	To observe or understand the research problems / issues	60	Global	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
							CO2	To identify research questions and formulate research hypothesis	60	Global	Weak-L	Weak-L	Moderate-M	Strong-H	Weak-L	Weak-L
							CO3	To classify the various techniques of research design and data collection	60	Global	Weak-L	Weak-L	Moderate-M	Strong-H	Weak-L	Weak-L
							CO4	To explain and synthesize qualitative and quantitative data crunching techniques	60	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Moderate-M	Strong-H
							CO5	To Actualize the research Concept and implement it in research study example	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Strong-H
Sem I	T3321	301410110	Web Development Framework	2	Core	Prathamesh Lahande+Janhavi Pednekar	CO1	To understand the concept of Web Content Management System	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO2	To understand the concept of Drupal Architecture	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO3	To understand installation of Drupal on various platforms	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO4	To understand basics of Drupal	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO5	To implement various techniques in Drupal	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
Sem I	T3155	301410301	ERP-Business Process Automation	3	Core	Rajesh Math	CO1	To learn Enterprise Architecture for ERP Applications	60	Global	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO2	To understand the business implementation for ERP functions	60	Global	Moderate-M	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M
							CO3	To understand the functional implementation of inventory , hr and sales	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M
							CO4	To understand SAP implementation of various enterprise function	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
							CO5	To understand the workflows in SAP R/3	60	Global	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
							CO6	To learn and understand the customization of SAP R/3	60	Global	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
Sem III	T2351	301410302	Technological Entrepreneurship	3	Core	Rohan Bhave	CO1	TO Develop entrepreneurial skills among the graduates and convert job-seekers	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO2	TO provide/ Practical Aspects of Entrepreneurship, Innovation and Technology, T	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO3	TO show case the Practical Insight on the Role of Technology in Entrepreneurial Ve	60	Global	Weak-L	Strong-H	Weak-L	Weak-L	Strong-H	Weak-L
							CO4	To give insights for Developing Innovative Products for Technology based Entrepre	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	#REF!
							CO5	To create a mind set for the various strategies for Successful Technological Ventures	60	Global	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	#REF!
							CO6	To understand the practical situations with Case Studies, for the Success and Failures	60	Global	Weak-L	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
Sem III	T3137	301410303	Advanced Business Process	2	Core	Dr.Farhana Desai	CO1	To understand the basics of SAP	60	Global	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO2	To understand the organizational structure	60	Global	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
							CO3	To understand Sales & Distribution Module	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
							CO4	To understand Material Management Module	60	Global	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
							CO5	To implement SAP modules	60	Global	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
Sem III	T3249	301410304	IT Tools and Techniques for	2	Core	Dr.Amol Vibhute	CO1	To understand the Integral approach to use the office tools.	60	Global	Moderate-M	Moderate-M	Weak-L	Moderate-M	Strong-H	Weak-L
							CO2	To apply Project charter, WBS, Scheduling, project concept presentations	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H	Weak-L
							CO3	To construct Flow-charting tools – Dia, Tikz Presentations tools - Beamer	60	Global	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
							CO4	To Interpret Basic Quality Tools and techniques in IT	60	Global	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M

							CO5	To apply IT Tools for Project Management and presentation	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
Sem III	T3172	301410305	IT-Governance	2	Core	Ashok Pattar	CO1	Understanding the Role of Strategies in Business, IT Strategies, Importance of Strate	60	Global	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M	Moderate-M
							CO2	Gaining the essence of IT Governance, Understanding IT Governance Framework, G	60	Global	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M	Moderate-M
							CO3	Understanding Risk Management and its importance in IT Governance, Gaining insi	60	Global	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M	Moderate-M
							CO4	Gaining insight on Information Technology Security, Information Security and Meth	60	Global	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M	Moderate-M
							CO5	Understanding Wireless Infrastructure, Security and IT Governance	60	Global	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M	Moderate-M
Sem III	T3151	301410306	Technology in Business	2	Core	Dr.Farhana Desai	CO1	To understand the basics of Excel and Advanced Excel	60	Global	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
							CO2	To understand Visual Basic Application and write programs	60	Global	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
							CO3	To understand RDBMS and its features	60	Global	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
							CO4	To write and execute Queries and Stored Procedures	60	Global	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
							CO5	To understand the role of MIS in decision making	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
Sem III	T3073	301410313	Business Intelligence II	3	ocialization Core Cou	Dr.P S Metkewar	CO1	To understand BI Model Development in terms of architecture, technology and data	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
							CO2	To design BI model based on data warehouse.	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M
							CO3	To implement scorecard and dashboard technique	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L	Moderate-M
							CO4	To explore one of the tool including Tableau, Talend, High-D etc.	60	Global	Weak-L	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO5	To develop and build one of the BI application for an organization using machine lea	60	Global	Weak-L	Weak-L	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO6	To evaluate and analyse Big Data problems	60	Global	Moderate-M	Weak-L	Moderate-M	Weak-L	Strong-H	Strong-H
Sem III	T3112	301410314	Data Warehousing Applications	3	ocialization Core Cou	Rasila Walhekar	CO1	Learn the purpose of a Data Warehouse	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO2	Understand the differences between operational databases and decision support syste	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO3	Learn how to architect a data warehouse.	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO4	Understand the planning aspects of a data warehouse.	60	Global	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L
							CO5	Understand the maintenance process of a data warehouse.	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L
							CO6	Have an overview of tools such as SSRS, Power BI	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H	Weak-L
							CO7	To explain Use ER and dimensional modeling	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M
Sem III	T3441	301410315	Web Analytics	3	ocialization Core Cou	Priyanka Rane	CO1	Understanding Web Analytics	60	Global	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO2	Understanding Web Analytics terminology (Dimensions and Metrics)	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
							CO3	Setting up Web Analytics and dashboard	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L	Strong-H
							CO4	Understanding Campaign Tagging and Conversions	60	Global	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO5	Tracking Conversion Rates and Comparison of Web Analytics products	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
							CO6	Reports and Case studies	60	Global	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
Sem III	T3490	301410316	Applied Data Analytics with	3	ocialization Core Cou	Dr.Sachin Naik	CO1	To learn Web scraping and data handling using python	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Strong-H
							CO2	To learn different machine learning algorithms	60	Global	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Moderate-M
							CO3	To understand use of statistics for machine learning	60	Global	Weak-L	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H
							CO4	To explain different classification techniques	60	Global	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H
							CO5	To understand application of big data for data analysis	60	Global	Weak-L	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H
							CO6	To understand various case studies for data analytics using python	60	Global	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Moderate-M
Sem III	T3398	301410317	Mobile Analytics	2	ocialization Core Cou	Dr.Shrikant Mapari	CO1	List basics of Mobile Devices, Mobile Apps, Mobile Platforms	60	Global	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L
							CO2	Describe the Mobile analytics uses, data generation and App's Revenue Model	60	Global	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L	Moderate-M
							CO3	Elaborate the customer behaviours, marketing strategy, operations and engagements	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M
							CO4	Explain the use of Mobile Analytics in Business	60	Global	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Moderate-M
							CO5	Applications of Mobile Analytics tools	60	Global	Weak-L	Weak-L	Moderate-M	Strong-H	Strong-H	Moderate-M
Sem III	T3447	301410318	Machine learning	3	ocialization Core Cou	Dr.P S Metkewar	CO1	Students will gain knowledge about basic concepts of Machine Learning	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L
							CO2	Students will be able to identify machine learning techniques suitable for a given pro	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M
							CO3	Students will be able to implement Neural network concept for a given problem	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L	Moderate-M
							CO4	Students will be able to solve the problems using various machine learning algorithm	60	Global	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO5	Students will have an understanding of the strengths and weaknesses of machine lea	60	Global	Weak-L	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M
							CO6	Students will be able to design and implement various machine learning algorithms i	60	Global	Strong-H	Weak-L	Moderate-M	Weak-L	Strong-H	Strong-H
Sem III	T3063	301410319	Data Centre Infrastructure	3	ocialization Core Cou	Dr.Parag Kaveri	CO1	To learn Data Center Infrastructure Architecture	60	Global	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L
							CO2	To learn Data Center Infrastructure Design	60	Global	Weak-L	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
							CO3	To understand Data Center Infrastructure Configuration	60	Global	Weak-L	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
							CO4	To explain Virtual datacenter	60	Global	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
							CO5	To understand Data Center Security	60	Global	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
							CO6	To understand Back-up and recovery	60	Global	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M
Sem III	T3050	301410320	IS Risk Analysis and System	3		Ashok Pattar	CO1	Comprehensive understanding of information security risk analysis methodologies a	60	Global	Strong-H	Moderate-M	Weak-L	Strong-H	Weak-L	Moderate-M
							CO2	Proficiency in identifying and assessing vulnerabilities and threats within informati	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L	Moderate-M
							CO3	Ability to perform risk assessments and develop risk management strategies to miti	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L	Moderate-M
							CO4	Competence in conducting systems audits to evaluate the effectiveness of security co	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L	Moderate-M
							CO5	Skills in analyzing and interpreting security logs, incident reports, and other relevant	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L	Moderate-M
							CO6	Proficient in communicating audit findings, risk assessments, and recommendations	60	Global	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L	Moderate-M
Sem III	T3425	301410321	Understanding LDAP	3		Aniruddha Ketkar	CO1	To explain What is LDAP and its applications.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L
							CO2	To list the Installing and Configuring of LDAP.	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M
							CO3	To inspect the LDAP Applications.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L	Moderate-M
							CO4	To practice the Programming of LDAP	60	Global	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO5	To analyze various admin scripts using Perl programming language.	60	Global	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
Sem III	T3418	301410322	Advanced Vulnerability	2		Dr.Parag Kaveri	CO1	To learn VAPT	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L
							CO2	To learn different Security Testing Process	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L
							CO3	To understand Information Gathering	60	Global	Weak-L	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
							CO4	To explain Web hacking	60	Global	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L
							CO5	To understand Buffer overflows, Exploitation and Firewall	60	Global	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Moderate-M
Sem III	T3344	301410323	DevOps	2		Aniruddha Ketkar	CO1	To explain the concept of DevOps and its application to improve the Scalability, Avai	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L
							CO2	To Analyze the Web Services & use of Puppet for CM.	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M
							CO3	To list the use of Jenkins & GIT.	60	Global	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L	Moderate-M
							CO4	To choose the Containers & Build Tool	60	Global	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO5	To Analyze the Testing tools & use of Jazz.net.	60	Global	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
Sem III	T3055	301410324	Information Security	2		Dr.Sumegh Tharewal	CO1	Understanding Software Realms, Information Assets and Safeguarding Measures, Si	60	Global	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO2	Demonstrable Know how of Information Security Risk Assessment, Analysis and	60	Global	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
							CO3	Thorough Knowhow of Information Security and Governance Standards Viz. ISO 2	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Moderate-M	Moderate-M
							CO4	Understanding Legal Framework for Information Security-National and Global Leve	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M
							CO5	Demonstrable knowhow of Information Security Control Tools Viz. CODE OE E	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
Sem III	T3421	301410325	Infrastructure Security	2		Dr.Priti Kulkarni	CO1	Understand the concepts of Infrastructure Security	60	Global	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M
							CO2	Understand a variety of Security threats to the network infrastructure	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
							CO3	Identify and analyze security related problems in the current infrastructure	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L	Moderate-M
							CO4	Build and implement appropriate security solution to mitigate anticipated threats and	60	Global	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
							CO5	Learn to different authentication techniques and backup-recovery techniques	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
Sem III	T2067	301410308	Credit management	3	BFM	Not Opted	CO1	Understanding Credit Terminologies & Analyse Credit Appraisal methods	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO2	Understanding Financial Statements and analyse it from Credit risk management	60	Global	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO3	Analyse, interpret and evaluate Credit rating for a loan proposal	60	Global	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Strong-H
							CO4	Understanding requirement of working capital and its financing	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO5	To know methods of financing infrastructure projects	60	National/Local	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M

							CO6	To Understand application of Non fund based credit facilities and NPA	60	National/Local	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Moderate-M
Sem III	T3305	301410309	Financial Services and	3	BFM	Not Opted	CO1	Indepth coverage of Banking and Financial Markets.	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO2	To know various entities involved, instruments and compliance requirements in	60	Global	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO3	Students should know the role of IT in Financial Markets.	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO4	To understand and analyze instruments traded in Financial Markets.	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO5	To understand various risks in Banking.	60	Global	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
							CO6	To implement the concepts learn through case studies	60	Global	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H
Sem III	T3303	301410310	IT solutions to Banking and	3	BFM	Not Opted	CO1	Role of IT in Banking Operations.	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO2	The students should understand role of IT in Financial Markets.	60	Global	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO3	To understand process view of various operations in Financial Institutions.	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO4	To understand how IT applications are designed and implemented in executing	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO5	To have an overview of wholesale Banking and Trade Finance etc.	60	Global	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO6	To understand Core Banking Solutions and Mobile and Tele Banking Solutions.	60	Global	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
Sem III	T2048	301410311	Mergers and Acquisitions	3	BFM	Not Opted	CO1	To analyse the various procedures related to Mergers and Acquisitions	60	Global	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M
							CO2	To compose various strategies useful for the various Mergers and Acquisition	60	Global	Moderate-M	Moderate-M	Weak-L	Weak-L	Moderate-M	Weak-L
							CO3	To develop analytical skills for Merger and acquisition	60	Global	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L
							CO4	To construct the mangerial ability to deal with Merger and acquisition	60	Global	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L
							CO5	To develop analytical skills for Merger and acquisition	60	National/Local	Weak-L	Weak-L	Strong-H	Strong-H	Strong-H	Strong-H
							CO6	To design the various options to check the effect of financial constraints for Merger	60	Global	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO7	To create ability to deal with Global Merger and Acquisitions	60	Global	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Moderate-M
Sem III	T3500	301410312	Mastering Python for Finance	3	BFM	Not Opted	CO1	To get introduced to basics of python programming.	60	Global	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO2	To identify Visual Finance via Matplotlib.	60	Global	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO3	To classify the Statistical Analysis of Time Series.	60	Global	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO4	To explain and synthesize The Black-Scholes-Merton Option Model.	60	Global	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO5	To learn the Monte Carlo Simulation and Options.	60	Global	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Moderate-M
							CO6	To Actualize the Volatility Measures and GARCH.	60	Global	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Moderate-M
Sem III	T2056	301410313	Financial Risk Management	2	BFM	Not Opted	CO1	To analyse the various kinds of risk Involved in financial management	60	Global	Moderate-M	Weak-L	Moderate-M	Moderate-M	Strong-H	Strong-H
							CO2	To develop the skills to understand the risk Involved in Market	60	Global	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Strong-H
							CO3	To develop analytical procedures to check the performance of organisation	60	Regional/National	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO4	To construct the mangerial ability to provide solutionsto the financial issues	60	National/Local	Weak-L	Weak-L	Strong-H	Weak-L	Strong-H	Strong-H
							CO5	To design the various options to check the effect of financial constraints on	60	Global	Weak-L	Moderate-M	Weak-L	Moderate-M	Strong-H	Strong-H
Sem III	T3086	301410334	IT Strategy	3	SPM	Not Opted	CO1	To observe or understand the strategy and how strategy is useful for Business	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO2	To identify role of IT in Business strategy	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO3	To classify the various techniques of IT and Business Networks	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
							CO4	To explain and synthesize qualitative and quantitative IT Governance model	60	Global	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M