

R-16 Syllabus

Mahatma Education Society's

Pillai HOC College of Engineering and Technology, Rasayani

Department of Information Technology

Course Code: ITC 301

Course Name: Applied Mathematics III

Course Code	Course Outcomes
ITC301.1	Apply the set theory and Relation concepts.
ITC301.2	Apply the Functions and to define the recursive functions.
ITC301.3	Apply Laplace transforms to different applications.
ITC301.4	Apply Inverse Laplace transforms to different applications.
ITC301.5	Identify the permutations and combinations.
ITC301.6	Define variable and also identify the mapping.

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Pillai HOC College of Engineering and Technology, Rasayani

Department of Information Technology

Course Code: ITC 302

Course Name: Logic Design

Course Code	Course Outcomes
ITC 302.1	Understand the concepts of various components to design stable analog circuits.
ITC 302.2	Represent numbers and perform arithmetic operations.
ITC 302.3	Minimize the Boolean expression using Boolean algebra and design it using
ITC 302.4	Analyze and design combinational circuit
ITC 302.5	Design and develop sequential circuit
ITC 302.6	Translate real world problems into digital logic formulations using VHDL.

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Pillai HOC College of Engineering and Technology, Rasayani

Department of Information Technology

Course Code: ITC 303

Course Name: Data Structure and Analysis

Course Code	Course Outcomes
ITC303.1	1. Select appropriate data structures as applied to specified problem definition
ITC303.2	2. Implement operations like searching, insertion, and deletion, traversing mechanism etc. on various data structures.
ITC303.3	3. Students will be able to implement Linear and Non-Linear data structures.
ITC303.4	4. Implement appropriate sorting/searching technique for given problem.
ITC303.5	5. Design advance data structure using Non-Linear data structure.
ITC303.6	6. Determine and analyze the complexity of given Algorithms.

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Department of Information Technology

Course Code: ITC 304

Course Name: Database Management System

Course Code	Course Outcomes
ITC 304.1	1. Explain the features of database management systems and Relational database.
ITC 304.2	2. Design conceptual models of a database using ER modeling for real life applications and also construct queries in Relational Algebra.
ITC 304.3	3. Create and populate a RDBMS for a real life application, with constraints and keys, using SQL.
ITC 304.4	4. Retrieve any type of information from a data base by formulating complex queries in SQL.
ITC 304.5	5. Analyze the existing design of a database schema and apply concepts of normalization to design an optimal database.
ITC 304.6	6. Build indexing mechanisms for efficient retrieval of information from a database.

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Department of Information Technology

Course Code: ITC305

Course Name: Principal of Communications

Course Code	Course Outcomes
ITC 305.1	Differentiate analog and digital communication systems
ITC 305.2	Identify different types of noise occurred, its minimization and able to apply Fourier analysis in frequency & time domain to quantify bandwidth requirement of variety of analog and digital communication systems.
ITC 305.3	Design generation & detection AM, DSB, SSB, FM transmitter and receiver.
ITC 305.4	Apply sampling theorem to quantify the fundamental relationship between channel bandwidth, digital symbol rate and bit rate
ITC 305.5	Explain different types of Line coding techniques for generation and detection of signals.
ITC 305.6	Describe Electromagnetic Radiation and propagation of waves.

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Department of Information Technology

Course Code: ITL 304

Course Name: JAVA LAB

Course Code	Course Outcomes
ITL304.1	Implement Object Oriented programming concept using basic syntaxes of control Structures, strings and function for developing skills of logic building activity.
ITL304.2	Identify classes, objects, members of a class and the relationships among them needed for a finding the solution to specific problem
ITL304.3	Demonstrates how to achieve reusability using inheritance, interfaces and packages and describes faster application development can be achieved.
ITL304.4	Demonstrate understanding and use of different exception handling
ITL304.5	Identify, and describe common abstract user interface components to design GUI in Java using Applet & AWT along with response to events
ITL304.6	Identify, Design & develop complex Graphical user interfaces using principal Java Swing classes based on MVC architecture

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Department of Information Technology

Course Code: ITC 401

Course Name: AM-IV

Course Code	Course Outcomes
ITC 401.1	Understand the concept of elements of Number theory with their properties.
ITC 401.2	Understand the concept of congruence, Chinese remainder theorem.
ITC 401.3	Apply the concept of random variables, probability distributions for solving problems.
ITC 401.4	Apply the knowledge of sampling theory for testing of hypothesis by using various tests.
ITC 401.5	Understand the structure of graphs and groups with their applications.
ITC 401.6	Understand the basic properties of algebraic systems defined by Lattices

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Department of Information Technology

Course Code: ITC 402

Course Name: Computer Networks

Course Code	Course Outcomes
ITC 402.1	Describe the functions of each layer in OSI and TCP/IP model
ITC 402.2	Explain the functions of Application layer and Presentation layer paradigms and Protocols.
ITC 402.3	Describe the Session layer design issues and Transport layer services.
ITC 402.4	Classify the routing protocols and analyze how to assign the IP addresses for the given Network.
ITC 402.5	Describe the functions of data link layer and explain the protocols.
ITC 402.6	Explain the types of transmission media with real time applications.

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Department of Information Technology

Course Code: ITC403

Course Name: OS

Course Code	Course Outcomes
ITC403.1	Describe the important computer system resources and the role of operating system in their management policies and algorithms.
ITC403.2	Understand the process management policies and scheduling of processes by CPU
ITC403.3	Evaluate the requirement for process synchronization and coordination handled by operating system
ITC403.4	Describe and analyze the memory management and its allocation policies.
ITC403.5	Identify, use and evaluate the storage management policies with respect to different storage management technologies.
ITC403.6	Identify the need to create the special purpose operating system.

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Department of Information Technology

Course Code: ITC 404

Course Name: COA

Course Code	Course Outcomes
ITC404.1	Describe basic organization of computer and the architecture of 8086 microprocessor.
ITC404.2	Implement assembly language program for given task for 8086 microprocessor.
ITC404.3	Demonstrate control unit operations and conceptualize instruction level parallelism.
ITC404.4	Demonstrate and perform computer arithmetic operations on integer and real numbers.
ITC404.5	Categorize memory organization and explain the function of each element of a memory hierarchy.
ITC404.6	Examine different methods for computer I/O mechanism.

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Department of Information Technology

Course Code: ITC 405

Course Name: Automata theory

Course Code	Course Outcomes
ITC405.1	Understand, design, construct , analyze and interpret Regular languages, Expression and Grammars.
ITC405.2	Design different types of Finite Automata and machines as acceptor, verifier and translator.
ITC405.3	Understand, design, analyze and interpret context free languages, Expression and grammars.
ITC405.4	Design different types of Push down Automata as Simple parser.
ITC405.5	Design different types of Turing Machines as Acceptor, verifier, Translator and Basic Computing machine.
ITC405.6	Develop understanding of applications of various Automata.

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Department of Information Technology

Course Code: ITL404

Course Name: Python

Course Code	Course Outcomes
ITL404.1	Describe the Numbers, Math functions, strings, List, Tuples and Dictionaries in python
ITL404.2	Express different Decision Making statements and Functions
ITL404.3	Interpret Object oriented programming in python
ITL404.4	Understand and summarize different File handling operations
ITL404.5	Explain how to design GUI Applications in Python and evaluate different database operations
ITL404.6	Design and develop Client Server network applications using python

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Department of Information Technology

Course Code: ITC 501

Course Name: MEP

Course Code	Course Outcomes
ITC501.1	Explain the embedded system concepts and architecture of embedded systems
ITC501.2	Describe the architecture of 8051 microcontroller and write embedded program
ITC501.3	Design the interfacing for 8051 microcontroller.
ITC501.4	Understand the concepts of ARM architecture.
ITC501.5	Demonstrate the open source RTOS and solve the design issues for the same.
ITC501.6	Select elements for an embedded system tools.

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Department of Information Technology

Course Code: ITC 502

Course Name: Internet Programming

Course Code	Course Outcomes
ITC502.1	Implement interactive web pages using HTML,CSS and JavaScript
ITC502.2	Design a responsive website using HTML5 and CSS3
ITC502.3	Learn characteristics of Rich Internet Application(RIA) and Web Mash up Eco system
ITC502.4	Build dynamic websites using server side PHP Programming and Database connectivity
ITC502.5	Describe and differentiate different Web Extensions and Web Services
ITC502.6	Demonstrate web application using Python web Framework-Django.

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Department of Information Technology

Course Code: ITC503

Course Name: ADMT]

Course Code	Course Outcomes
ITC 503.1	Measure query costs and design alternate efficient paths for query execution.
ITC 503.2	Explain and understand the concept of a transaction and how ACID properties are maintained when concurrent transaction occur in a database
ITC 503.3	Apply sophisticated access protocols to control access to the database.
ITC 503.4	Implement alternate models like Distributed databases and Design applications using advanced models like mobile, spatial databases.
ITC 503.5	Organize strategic data in an enterprise and build a data Warehouse.
ITC 503.6	Analyses data using OLAP operations so as to take strategic decisions.

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Department of Information Technology

Course Code: ITC504

Course Name: CNS

Course Code	Course Outcomes
ITC 504.1	Learn, identify security goals and techniques also acquire fundamental Knowledge on concepts of finite field and Number theory
ITC504.2	Understand, compare, explore apply different encryption decryption techniques to solve problems related to confidentiality and Authentication.
ITC504.3	Evaluate the integrity of varying message sizes also the performance of different message digest algorithms.
ITC504.4	Explore design issues and working principles of various Authentication protocols also learn to achieve Authentication and create secure application
ITC504.5	Apply Network security basics ,analyses different attacks on network and evaluate the performance of security protocols like SSL,IPsec PGP, Firewall
ITC 504.6	Apply the Knowledge of cryptographic utilities and Authentication mechanisms to design secure applications

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Department of Information Technology

Course Code: ITC505

Course Name: BCE

Course Code	Course Outcomes
ITC505.1	To understand the business communication process, ethics and its effective application.
ITC505.2	To synthesize and apply report writing, proposal writing and the project management skills .
ITC505.3	To apply appropriate analytical skills in project report presentations, group discussions and to communicate effectively in various formal settings.
ITC505.4	To understand and learn various roles in group and organization understanding the interpersonal skills like emotional intelligence, leadership, negotiation, time management and team work.
ITC505.5	To participate and achieve success in competitive exams and campus placements
ITC505.6	To enhance social skills, business perspectives and inculcate employment skills .

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Department of Information Technology

Course Code: ITDLO5015

Course Name: CGVR

Course Code	Course Outcomes
ITDLO5015.1	To list the basic concepts used in computer graphics.
ITDLO5015.2	To implement various algorithms to scan, convert the basic geometrical primitives, transformations, Area filling, clipping.
ITDLO5015.3	To describe the importance of viewing and projections.
ITDLO5015.4	To define the fundamentals of animation, virtual reality and its related technologies.
ITDLO5015.5	To understand a typical graphics pipeline.
ITDLO5015.6	To design an application with the principles of virtual reality.

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Department of Information Technology

Course Code: ITC DLO5013

Course Name: E-Com & E-Business

Course Code	Course Outcomes
ITC DLO5013.1	Define and differentiate various types of E-commerce.
ITC DLO5013.2	Describe Hardware and Software Technologies for E-commerce.
ITC DLO5013.3	Identify tools and technologies to implement secure payment systems for E - commerce.
ITC DLO5013.4	Describe the process of Selling and Marketing on web.
ITC DLO5013.5	Define and describe E-business and its Models.
ITC DLO5013.6	Discuss various E-business Strategies.

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Department of Information Technology

Course Code: ITL504

Course Name: IOT lab

Course Code	Course Outcomes
ITL504.1	Identify the requirements for the real world problems.
ITL504.2	Conduct a survey of several available literatures in the preferred field of study.
ITL504.3	Study and enhance software/ hardware skills.
ITL504.4	Demonstrate and build the project successfully by hardware requirements, coding, emulating and testing.
ITL504.5	To report and present the findings of the study conducted in the preferred domain
ITL504.6	Demonstrate an ability to work in teams and manage the conduct of the research study.

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Pillai HOC College of Engineering and Technology, Rasayani

Department of Information Technology

Course Code: ITC 601

Course Name: SEPM

Course Code	Course Outcomes
ITC 601.1	Define various software application domains and remember different process model used in software development.
ITC 601.2	Explain needs for software specifications also they can classify different types of software
ITC 601.3	Convert the requirements model into the design model and demonstrate use of software and user-interface design principles.
ITC 601.4	Distinguish among SCM and SQA and can classify different testing strategies and tactics and compare them.
ITC 601.5	Justify role of SDLC in software Project Development and they can evaluate importance of Software Engineering in PLC.
ITC 601.6	Generate project schedule and can construct, design and develop network diagram for different type of Projects. They can also organize different activities of project as per Risk impact factor.

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Department of Information Technology

Course Code: ITC 602

Course Name: DMBI

Course Code	Course Outcomes
ITC 602.1	Demonstrate an understanding of the importance of data mining and the principles of business intelligence.
ITC 602.2	Organize and Prepare the data needed for data mining using pre pre-processing techniques.
ITC 602.3	Perform exploratory analysis of the data to be used for mining.
ITC 602.4	Implement the appropriate data mining methods like classification, clustering or Frequent Pattern mining on large data sets.
ITC 602.5	Define and apply metrics to measure the performance of various data mining algorithms.
ITC 602.6	Apply BI to solve practical problems : Analyze the problem domain, use the data collected in enterprise, apply the appropriate data mining technique, interpret and visualize the results and provide decision support.
ITC 602.1	Demonstrate an understanding of the importance of data mining and the principles of business intelligence.

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Pillai HOC College of Engineering and Technology, Rasayani

Department of Information Technology

Course Code: ITC603

Course Name: Cloud Computing and Services

Course Code	Course Outcomes
ITC603.1	Define Cloud Computing and memorize the different Cloud service and deployment models
ITC603.2	Describe importance of virtualization along with their technologies.
ITC603.3	Use and Examine different cloud computing services
ITC603.4	Analyze the components of open stack & Google Cloud platform and understand Mobile Cloud Computing
ITC603.5	Describe the key components of Amazon web Service
ITC603.6	Design & develop backup strategies for cloud data based on features.

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Department of Information Technology

Course Code: ITC 604

Course Name: Wireless Network

Course Code	Course Outcomes
ITC 604.1	Understand the fundamentals of wireless networks.
ITC 604.2	Learn and analyze the different wireless technologies.
ITC 604.3	Evaluate Ad-hoc networks and wireless Sensor Networks
ITC 604.4	Understand and evaluate emerging wireless technologies and Standards
ITC 604.5	Understand design considerations for wireless networks
ITC 604.6	Learn and analyze and evaluate the security threats and related security standards

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Department of Information Technology

Course Code: ITDLO 6023

Course Name: Digital Forensics

Course Code	Course Outcomes
ITDLO6023.1	Define the concept of ethical hacking its associated applications in Information and Communication Technology (ICT) world.
ITDLO6023.2	Underline the need of digital forensic and role of digital evidences.
ITDLO6023.3	Explain the methodology of incident response and various security issues in ICT world, and identify digital forensic tools for data collection.
ITDLO6023.4	Recognize the importance of digital forensic duplication and various tools for analysis to achieve adequate perspectives of digital forensic investigation in various applications /devices like Windows Unix system.
ITDLO6023.5	Apply the knowledge of IDS to secure network and performing router and network analysis.
ITDLO6023.6	List the method to generate legal evidence and supporting investigation reports and will also be able to use various digital forensic tools.

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Department of Information Technology

Course Code: ITDLO 6024

Course Name: Multimedia systems

Course Code	Course Outcomes
ITDLO 6024.1	Developed understanding of technical aspect of Multimedia Systems.
ITDLO 6024.2	Understand various file formats for audio, video and text media.
ITDLO 6024.3	Develop various Multimedia Systems applicable in real time.
ITDLO 6024.4	Interactive multimedia software.
ITDLO 6024.5	Apply various networking protocols for multimedia applications.
ITDLO 6024.6	To evaluate multimedia application for its optimum performance

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Department of Information Technology

Course Code: ITM605

Course Name: Mini Project

Course Code	Course Outcomes
ITM605.1	Discover potential research areas in the field of IT.
ITM605.2	Conduct a survey of several available literature in the preferred field of study.
ITM605.3	Compare and contrast the several existing solutions for research challenge.
ITM605.4	Demonstrate an ability to work in teams and manage the conduct of the research study.
ITM605.5	Formulate and propose a plan for creating a solution for the research plan identified.
ITM605.6	To report and represent findings of the study conducted in the preferred domain.

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Department of Information Technology

Course Code: ITC 701

Course Name: Enterprise Network Design

Course Code	Course Outcomes
ITC 701.1	To be familiarized with the methodologies and approaches of the network design for an enterprise network.
ITC 701.2	To be familiarized with the methodologies and approaches of the network design for an enterprise network.
ITC 701.3	To understand the campus design and data center design considerations for designing an enterprise campus.
ITC 701.4	To study Enterprise Edge WAN Technologies and design a WAN using them
ITC 701.5	Designing an IP addressing plan and selecting a Route protocol for an enterprise network
ITC 701.6	To design enterprise network for given user requirements in an application

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Department of Information Technology

Course Code: ITC 702

Course Name: Infrastructure Security

Course Code	Course Outcomes
ITC 702.1	To understand principles of infrastructure security , concept of vulnerabilities, cyber-attacks and protection mechanisms.
ITC 702.2	To explore ,analyze and evaluate software vulnerabilities and attacks on databases and operating systems.
ITC 702.3	To Understand and Describe the need for security protocols in the context of wireless communication.
ITC702.4	To Exploring various security solutions for web and cloud infrastructure, protect organization by developing policies of security management and risk mitigation.
ITC702.5	To learn and evaluate different attacks on open web Applications and web services.
ITC702.6	To Design appropriate security policies to protect infrastructure components.

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Department of Information Technology

Course Code: ITC 703

Course Name: Artificial Intelligence

Course Code	Course Outcomes
ITC703.1	Demonstrate knowledge of the building blocks of AI as presented in terms of intelligent agents.
ITC703.2	Analyze and formalize the problem as a state space, graph, design heuristics and select amongst different search or game based techniques to solve them.
ITC703.3	Develop intelligent algorithms for constraint satisfaction problems and also design intelligent systems for Game Playing.
ITC703.4	Attain the capability to represent various real life problem domains using logic based techniques and use this to perform inference or planning.
ITC703.5	Formulate and solve problems with uncertain information using Bayesian approaches.
ITC703.6	Apply concept Natural Language processing to problems leading to understanding of cognitive computing.

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Department of Information Technology

Course Code: ITDLO7032

Course Name: MAD

Course Code	Course Outcomes
ITDLO7032.1	Describe Android platform, architecture and features.
ITDLO7032.2	Design user interface and develop activity for Android App.
ITDLO7032.3	Use intent, broadcast receivers and internet services in Android App.
ITDLO7032.4	Design and implement database applications and content providers
ITDLO7032.5	Use multimedia, camera and location based services in Android App.
ITDLO7032.6	Discuss various security issues in Android platform

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Department of Information Technology

Course Code: ITDLO7034

Course Name: Software Testing and Quality Assurance

Course Code	Course Outcomes
ITDLO7034. 1	Investigate the reason for bugs and analyze the principles in software testing to prevent and remove bugs.
ITDLO7034.2	Implement various test processes for quality improvement
ITDLO7034. 3	Design test planning.
ITDLO7034.4	Manage the test process
ITDLO7034.5	Apply the software testing techniques in commercial environment
ITDLO7034.6	Use practical knowledge of a variety of ways to test software and an understanding of some of

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Department of Information Technology

Course Code: ILO7013

Course Name: MIS

Course Code	Course Outcomes
ITC 7013.1	Explain how information systems Transform Business
ITC 7013.2	Identify the impact information systems have on an organization
ITC 7013.3	Describe IT infrastructure and its components and its current trends
ITC 7013.4	Understand the principal tools and technologies for accessing information from databases to improve business performance and decision making
ITC 7013.5	Identify, the types of systems used for enterprise-wide knowledge management and how they provide value for businesses.
ITC 7013.6	Identify the basic steps in systems development

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Department of Information Technology

Course Code: ITLO 704

Course Name:AADL

Course Code	Course Outcomes
ITL704.1	Experiment on Integrated Development Environment for Android Application development.
ITL704.2	Design and implement user interfaces and layouts of Android Apps.
ITL704.3	Use intents for activity and broadcasting data in Android App.
ITL704.4	Design and implement database application and content providers.
ITL704.5	Experiment with camera and location based services.
ITL704.6	Develop android App with security features.

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Department of Information Technology

Course Code: ITM 705

Course Name: Project –

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Course Code	Course Outcomes
ITM705.1	Discover potential research areas in the field of IT.
ITM705.2	Conduct a survey of several available Literature in the preferred field of study
ITM705.3	Compare and contrast the several existing solutions for research challenge.
ITM705.4	Demonstrate an ability to work- in teams and manage the conduct of the research study.
ITM705.5	Formulate and propose a plan for creating a solution for research plan identified
ITM705.6	To report and present the findings of the study conducted in the preferred domain.

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Course Code: ITC 801

Course Name: Big Data Analytics

Course Code	Course Outcomes
ITC801.1	Understand the key issues in big data management and its associated applications in intelligent business and scientific computing.
ITC801.2	Acquire fundamental enabling techniques and scalable algorithms like Hadoop, Map Reduce and NO SQL in big data analytics.
ITC801.3	Interpret business models and scientific computing paradigms, and apply software tools for big data analytics.
ITC801.4	Achieve adequate perspectives of big data analytics in various applications like recommender systems, social media applications etc.
ITC801. 5	Apply the data mining models and techniques to solve complex real-world problems for decision support in data mining.
ITC801. 6	Apply fundamental techniques and principles in achieving big data analytics with scalability and streaming capability.

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Course Code: ITC 802

Course Name: IOE(Internet of Everything)

Course Code	Course Outcomes
CO 802.1	Apply the concepts of IOT
CO 802.2	Identify the different technology.
CO 802.3	Apply IOT to different application
CO 802.4	Analysis and evaluate protocols used in IOT
CO 802.5	Design and develop smart city in IOT
CO 802.6	Analysis and evaluate the data received through sensors in IOT

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Department of Information Technology

Course Code: ILO 8021

Course Name: Project Management

Course Code	Course Outcomes
ILO8021.1	Apply selection criteria and select an appropriate project from different options.
ILO8021.2	Write work break down structure for a project and develop a schedule based on it.
ILO8021.3	Identify opportunities and threats to the project and decide an approach to deal with them strategically.
ILO8021.4	Use Earned value technique and determine & predict status of the project.
ILO8021.5	Capture lessons learned during project phases and document them for future reference
ILO8021.6	To discover the project life cycle and learn how to build a successful project from pre-implementation to completion.

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Course Code: ILO 8028

Course Name: Digital business Management(ILO)

Course Code	Course Outcomes
ILO 8028.1	Identify digital business benefits, various Key drivers of digital business transformation.
ILO 8028.2	Study approaches, technologies techniques, insights, strategies of E-commerce and E-business.
ILO 8028.3	.Learn understand ERP as e-business, digital business infrastructure and support services.
ILO8028.4	Study security threats to E-com applications, finding solutions and Managing E-business.
ILO 8028.5	Identify role of Company, its Formation Environment, E-transition and strategies.
ILO 8028.6	Explore steps to materialize digital E-business entrepreneurship plan.

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Course Code: ITDLO 8043

Course Name: Knowledge Management

Course Code	Course Outcomes
ITDLO 8043.1	Apply selection criteria and select an appropriate project from different options.
ITDLO 8043.2	Write work break down structure for a project and develop a schedule based on it.
ITDLO 8043.3	Identify opportunities and threats to the project and decide an approach to deal with them strategically.
ITDLO 8043.4	Use Earned value technique and determine & predict status of the project.
ITDLO 8043.5	Capture lessons learned during project phases and document them for future reference
ITDLO 8043.6	To discover the project life cycle and learn how to build a successful project from pre-implementation to completion.

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Course Code: ITDLO8045

Course Name: Enterprise Recourse Planning

Course Code	Course Outcomes
ITDLO8045.1	Understand the basic concepts of ERP.
ITDLO8045.2	Identify different technologies used in ERP.
ITDLO8045.3	Understand and apply the concepts of ERP Manufacturing Perspective and ERP Modules.
ITDLO8045.4	Discuss Benefits of ERP.
ITDLO8045.5	Understand and implement the ERP life cycle.
ITDLO8045.6	Apply different tools used in ERP.

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Course Code: ITL803

Course Name: Devops Lab

Course Code	Course Outcomes
ITL803.1	Remember the importance of DevOps tools used in software development life cycle.
ITL803.2	Understand the importance of Jenkins to Build, Deploy and rest Software Applications.
ITL803.3	Examine the different Version Control strategies.
ITL803.4	Analyze & Illustrate the Containerization of OS images and deployment of applications over Dockers.
ITL803.5	Summarize the importance software Configuration Management in DevOps.
ITL803.6	Synthesize the provisioning using Chef/Puppet/Ansible or Salt stack.

R-16 Syllabus

Mahatma Education Society's

Pillai HOC College of Engineering and Technology, Rasayani

Department of Information Technology

Course Code: ITL804

Course Name: R programming

Course Code	Course Outcomes
ITL803.1	install and use R for simple programming tasks.
ITL803.2	Extend the functionality of R by using add-on packages
ITL803.3	Extract data from files and other sources and perform various data manipulation tasks on them.
ITL803.4	To understand code statically Functions in R
ITL803.5	To understand use of R Graphics and Tables to visualize results of various statistical operations on data.
ITL803.6	Apply the knowledge of R gained to data Analytics for real life applications.

R-16 Syllabus

Mahatma Education Society's

Pillai HOC College of Engineering and Technology, Rasayani

Department of Information Technology

Course Code: ITM805

Course Name: Project –II

Course Code	Course Outcomes
ITM805.1	Discover potential research areas in the field of IT.
ITM805.2	Conduct a survey of several available Literature in the preferred field of study
ITM805.3	Compare and contrast the several existing solutions for research challenge.
ITM805.4	Demonstrate ability to work- in teams and manage the conduct of the research study.
ITM805.5	Formulate and propose a plan for creating a solution for research plan identified
ITM805.6	To report and present the findings of the study conducted in the preferred domain.