## COURSE OUTCOMES

## Department of IT , CAY- (Odd semester, 2023-24)

<b>Course Name:</b>	Engineering Mathematics-III		ics-III			
<b>Course Code</b>	ITC301					
<b>Faculty Name:</b>	Manish	a Seksaria				
Year	2	Sem	III			
CO Number				Course Outcome		
ITC301.1	-	Define Laplace and Inverse Laplace Transforms, Fourier series, even and odd functions, Analytic functions, Harmonic functions, orthogonal trajectories and Karl Pearson's Correlation Coefficient.				
ITC301.2	Find Laplace and Inverse Laplace Transforms of standard functions; Classify whether the function is even or odd, explain analytic and orthogonal trajectories, find Karl Pearson's Correlation Coefficient and Spearman's Rank Correlation Coefficient, probabilities and					
ITC301.3	Use standard results to find the Laplace Transforms, Inverse Laplace Transforms of combinations of standard functions; Use a standard integral formulae to obtain Fourier series; Use Cauchy – Riemann equations to verify analyticity; Check if the function is harmonic; Use Bayes' theorem to find conditional probabilities; find the regression lines using correlation coefficient and by method of least squares; calculate unknown constants, expectation and variance and moment generating function of a given random variable.					
ITC301.4	Analyze use of combination of properties to find the Laplace Transforms; partial fractions, derivatives and convolution theorem to find Inverse Laplace Transforms; Examine whether the function is even or odd and accordingly find Fourier Series and Half Range Series; Examine if a given function can be a real/imaginary part of an analytic function and construct the corresponding analytic function.  Obtain harmonic conjugate and orthogonal trajectories; Identify respective regression lines and coefficients; Obtain moments using the					
ITC301.5	Evaluate integrals by comparing with Laplace transforms; determine an analytic function given a linear combination of its real and imaginary parts; Deduce using Fourier series; Decide whether line of regression is y on x or x on y and also if given lines represent regression lines or not					
ITC301.6	Develop linear reg	gression ec	quations for	r a given data and forecast values.		

<b>Course Name:</b>	Data Structures & Analysis				
<b>Course Code</b>	ITC302				
<b>Faculty Name:</b>	Nilesh Ghavate				
Year	2 Sem III				
CO Number		Course Outcome			
ITC 302.1	Define data structures like array, stack,	queues and linked list.			
ITC 302.2	Explain fundamentals operation on data structures				
ITC 302.3	Use different types of data structures, operations and algorithms in a high-level language for problem solving.				
ITC 302.4	Analyze various data structures and algorithms				
ITC 302.5	Choose appropriate data structure while	designing the algorithms based on requirement			
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ITC 302.6 Design algorithm for real-world problems
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<b>Course Name:</b>	Database Managme	nt System			
<b>Course Code</b>	ITC303				
<b>Faculty Name:</b>	Shiv Negi				
Year	2 Sem	III			
CO Number			Course Outcome		
ITC303.1	Identify the need of Data	base Managem	ent System.		
ITC303.2	Design conceptual mode	for real life ap	oplications.		
ITC303.3	Create Relational Model	for real life app	plications		
ITC303.4	Formulate query using SQL commands.				
ITC303.5	Apply the concept of normalization to relational database design.				
ITC303.6	Demonstrate the concept	of transaction,	concurrency and recovery		

<b>Course Name:</b>	Principle of Communication				
<b>Course Code</b>	ITC304				
<b>Faculty Name:</b>	Janhavi Baikerikar				
Year	2 <b>Sem</b> III				
CO Number		Course Outcome			
ITC304.1	Define the terms used in the Analog and Digital Communication				
ITC304.2	Explain the different modulation techniques, Propagation of wave and Noise				
ITC304.3	Solve numericals for noise calculation, Fourier transforms				
ITC304.4	Compare and Contrast various modulation techniques used in Analog and Digital Communication techniques				
ITC304.5	Evaluate the interaction of various mo	lulation parameter on communication			
ITC304.6	Compile various modulation technique	based on the power consumption			

<b>Course Name:</b>	Paradigms and Computer Programming Fundamentals			
<b>Course Code</b>	ITC305			
<b>Faculty Name:</b>	Udaychandra Nayak			
Year	2 <b>Sem</b> III		III	
CO Number				Course Outcome
ITC305.1	Remember different programming paradigms.			
ITC305.2	Explain the object oriented constructs and use them in program design.			
ITC305.3	Apply scripting lan	guages fo	or different	application domains.

ITC305.4	Analyze the role of concurrency in parallel and distributed programming.			
ITC305.5	Evaluate declarative programming paradigms through functional and logic programming.			
ITC305.6	Create software and/or programs based on declarative, OOP, multi-threading, and scripting paradigms.			

<b>Course Name:</b>	Data Structure Lab		
Course Code	ITL301		
<b>Faculty Name:</b>			
Year	2 <b>Sem</b> III		
CO Number		Course Outcome	
ITL301.1	List & Define data structures like array, st	tack, queues and linked list.	
ITL301.2	Explain fundamentals operation on data s	tructures	
ITL301.3	Use different types of data structures, ope	erations and algorithms in a high-level language for problem solving	
ITL301.4	Analyze various data structures and algorithms	ithms	
ITL301.5	Choose appropriate data structure while d	lesigning the algorithms based on requirement	
ITL301.6	Design algorithm for real-world problems		
Course Name	de LIO2		
Course Name:			
<b>Course Code</b>	ITL302		
Course Code Faculty Name:	ITL302 Shiv Negi		
Course Code	ITL302	Course Outcome	
Course Code Faculty Name: Year	ITL302 Shiv Negi		
Course Code Faculty Name: Year CO Number	Shiv Negi 2 Sem III	the conceptual model for real life	
Course Code Faculty Name: Year CO Number ITL302.1	Shiv Negi  2 Sem III  Define problem statement and Construct to	the conceptual model for real life L.	
Course Code Faculty Name: Year CO Number ITL302.1 ITL302.2 ITL302.3 ITL302.4	Shiv Negi  2 Sem III  Define problem statement and Construct to Create and populate a RDBMS using SQI	the conceptual model for real life  L.  cient information retrieval	
Course Code Faculty Name: Year CO Number ITL302.1 ITL302.2 ITL302.3	Shiv Negi  2 Sem III  Define problem statement and Construct to Create and populate a RDBMS using SQI Formulate and write SQL queries for efficiency.	the conceptual model for real life  L. cient information retrieval emonstrate specific event handling.	

Course Name:	Computer p	-	ing		
	Paradigms Lab				
<b>Course Code</b>	ITL303				
<b>Faculty Name:</b>	Udaychandra Nayak				
Year	2 Sem III		III		
CO Number				Course Outcome	
ITL303.1	Remember the need of exception handling and garbage collection				
ITL303.2	Explain the multithreaded programs in Java				

ITL303.3	Apply various programming paradigms to a single problem statement			
ITL303.4	Analyze the implementations in multiple paradigms at coding and execution level			
ITL303.5	Evaluate object oriented concepts in Java			
ITL303.6	Create and design solution baed on declarative programming using functional and logic programming.			

<b>Course Name:</b>	Java Lab (SBL)				
<b>Course Code</b>	ITL304				
<b>Faculty Name:</b>	Tayyabali Sayyad				
Year	2 Sem III				
CO Number	Course Outcome				
ITL304.1	Explain the fundamental concepts of Java Programing.				
ITL304.2	Use the concepts of classes, objects, members of a class and the relationships among them needed for a finding the solution to specific				
	problem				
ITL304.3	Demonstrate how to extend java classes and achieve reusability using Inheritance, Interface and Packages.				
ITL304.4	Construct robust and faster programmed solutions to problems using concept of Multithreading, exceptions and file handling				
ITL304.5	Design and develop Graphical User Interface using Abstract Window Toolkit and Swings along with response to the events.				
ITL304.6	Develop Graphical User Interface by exploring JavaFX framework based on MVC Architecture.				

	Mini Project – 1 A for Front end /				
<b>Course Name:</b>	backend Application using JAVA				
<b>Course Code</b>	ITM301				
<b>Faculty Name:</b>	Tayyabali Sayyad				
Year	2 <b>Sem</b> III				
CO Number		Course Outcome			
ITM301.1	Students will be able to explain the concepts of the Software Deveopment processes				
ITM301.2	Students will be able to identify problems based on societal /research needs.				
ITM301.3	Develop interpersonal skills to work as member of a group or leader and Apply Knowledge and skill to solve societal problems in a				
ITM301.4	Draw the proper inferences from available results through theoretical/ experimental/simulations and analyse impact of solutions in				
ITM301.5	Use standard norms of engineering practi	ces and oral, written communication techniques			
ITM301.6	Demonstrate capabilities of self-learning	and project management skills in a group, which leads to life long learning			

<b>Course Name:</b>	Internet Programming		
<b>Course Code</b>	ITC501		
<b>Faculty Name:</b>	Vaishali K.		
Year	3 Sen	ı V	
CO Number	Course Outcome		
ITC501.1	To memorizing the protocols and technology used for web programming.		
ITC501.2	To summarizing the basic concept of HTML, Javascript, React and node JS.		
ITC501.3	To use web programming knowledge to design web pages		
ITC501.4	To illustrating the functionality of react and nodejs		
ITC501.5	To Integrate and evaluate frontend and backend application.		
ITC501.6	To develop web based a	pplication using	g web technology

<b>Course Name:</b>	Computer Network Security		
<b>Course Code</b>	ITC502		
<b>Faculty Name:</b>	Aruna Khubalkar		
Year	3 <b>Sem</b> V		
CO Number	Course Outcome		
ITC502.1	Identify and state the fundamentals components of system security.		
ITC502.2	Explain the fundamentals concepts of computer security and network security. Also describe different attacks on computer, software		
ITC502.3	Apply different cryptographic techniques using classical and block encryption methods.		
ITC502.4	Analyze functionalities of different IDS and Firewalls.		
ITC502.5	Evaluate basic cryptographic techniques and techniques for the network security.		
ITC502.6	Design packet filtering firewall.		

<b>Course Name:</b>	Entrepreneurship and E-business		
<b>Course Code</b>	ITC503		
<b>Faculty Name:</b>	Janhavi Baikerikar		
Year	3 <b>Sem</b> V		
CO Number	Course Outcome		
ITC503.1	Remember the concept of Entrepreneurship and its close relationship with Enterprise & Owner- Mgmt.		
ITC503.2	Understand the nature of business development in the context of existing organization & of new business start-ups		
ITC503.3	Comprehended and describe the important factors for starting a new venture and business development.		
ITC503.4	Know the issues and decisions involved in financing and resourcing a business start-up and Discuss about he E-Business Models &		
ITC503.5	Argue /Grade the decisions involved in financing and resourcing a business start-up and Discuss about he E-Business Models &		
ITC503.6	Compose the decisions involved in creating the Entrepreneurship and its issue in finance ,Business Models & Strategies.		

<b>Course Name:</b>	Software Engineering		
<b>Course Code</b>	ITC504		
<b>Faculty Name:</b>	Mrudul Arkadi		
Year	3 <b>Sem</b> V		
CO Number	Course Outcome		
ITC504.1	Enumerate the task involved in Software Engineering methodology		
ITC504.2	Explain the significance of tasks in Software Engineering methodology		
ITC504.3	Apply the tasks in Software Engineering to the projects		
ITC504.4	Compare and conclude the prioritization of tasks in Software Engineering		
ITC504.5	Evaluate the way to complete the task and choose optimized way.		
ITC504.6	Compile the task and prepare tasksheet f	for the tracking the software engineering task	

<b>Course Name:</b>	Advanced Data structure and Analysis
<b>Course Code</b>	ITDO5014
<b>Faculty Name:</b>	Prasad Padalkar
Year	3 <b>Sem</b> V
CO Number	Course Outcome
ITDO-5014.1	Reproduce the algorithms
ITDO-5014.2	Explain the logic of algorithm
ITDO-5014.3	Examine the algorithm to determin its complexity
ITDO-5014.4	Categorize the algorithms into different categories
ITDO-5014.5	Choose the algorthim based on the complexity parameters
ITDO-5014.6	Construct an iterative or recurssive algorthim based on mathematical logic

<b>Course Name:</b>	Internet Programming Lab		
<b>Course Code</b>	ITL501		
<b>Faculty Name:</b>	Vaishali K.		
Year	3 <b>Sem</b> V		
CO Number	Course Outcome		
ITL501.1	To memorize the basics of web programming		
ITL501.2	To explain the basic concept of HTML, Javascript, CSS		
ITL501.3	To use web programming knowledge to design web pages		

	ITL501.4	To analyze web pages using react and nodejs	
	ITL501.5	To design interactive web page using Javascript	
Г	ITL501.6	To create front end and backend application using react and nodejs.	

<b>Course Name:</b>	Security Lab		
<b>Course Code</b>	ITL502		
Faculty Name:	Aruna Khubalkar		
Year	3 Sem V		
CO Number	Course Outcome		
ITL502.1	Student will be able to describe different cryptographic and reconnaissance techniques and methods.		
ITL502.2	Student will be able to summarize working of different cryptographic methods and reconnaissance tools.		
ITL502.3	Student will be able to illustrate different cryptographic techniques/ methods. Also student will be able to use different reconnaissance		
ITL502.4	Student will be able to analyze packets in the network by using reconnaissance tools like Wireshark, port scanner.		
ITL502.5	Student will be able to select appropriate cipher modes for encryption and tools for network reconnaissance.		
ITL502.6	Student will be able to create a product cipher.		

<b>Course Name:</b>	DevOps Lab			
<b>Course Code</b>	ITL503			
<b>Faculty Name:</b>	Sunantha Krishnan			
Year	3 <b>Sem</b> V			
CO Number		Course Outcome		
ITI 502 1	To understand the fundamentals of DevOps engineering and be fully proficient with DevOps terminologies, concepts, benefits, and			
ITL503.1	deployment options to meet your business requirements			
ITL503.2	To obtain complete knowledge of Git, GitHub, jenkin, Selenium, Docker & Ansible			
ITL503.3	To execute Jenkins Software Applications on server environment using Docker, Ansible, Selenium and Jenkin			
ITL503.4	To analyse by building Jenkins Software Applications on server environment using Docker, Ansible, Selenium and Jenkin			
ITL503.5	To link and validate the importance of Jenkin, Docker, Selenium and Github and Ansible			
ITL503.6	To Synthesize software configuration and provisioning using Jenkin, Docker and Ansible.			

Advance Devops Lab			
ITL504			
Mr. Tayyabali Sayyad			
3 <b>Sem</b> V			
	Course Outcome		
Students will be able to identify technology	ogies used for i) coding ii) infrastrure provesining ii) deploying and iv) monitoring the software		
development in cloud platform			
	ITL504  Mr. Tayyabali Sayyad  3 Sem V  Students will be able to identify technol		

ITL 504.2	Students will be able to understand i) DevOps practices and cloud native environments ii) security and speed in software development iii) troubleshooting techniques for monitoring entire infrastructure iv) software-defined hardware are provisioned dynamically v) Static Analysis SAST process
ITL 504.3	Students will be able to demonstrate i) aws cloud9 IDE collaboration ii) aws code CodeBuild, CodePipeLine, and CodeDeploy iii) Install and Spin Up a Kubernetes Cluster on aws cloud iv) Build, change, and destroy cloud infrastructure Using Terraform v) Create a Jenkins CICD Pipeline to perform a static analysis vi) Service monitoring, using Nagios vii) services computing using aws lambda
ITL 504.4	Students will be able to explain/relate/analyze role of various tools / technologies/ practices used in DevOps
ITL 504.5	Students will be able to recommend / review / select devops tools for optimizing the software development, deployment and monitoring
ITL 504.6	Students will be able to arrange, assemble / devise tools for the effecient delivery of the software products

Carrage Names	Professional Communication		
Course Name:	and Ethics-II (PCE-II)		
<b>Course Code</b>	ITL505		
<b>Faculty Name:</b>	Sachin Sugave		
Year	3 <b>Sem</b> V		
CO Number			
	Students will be able to relate to techniq		
505.1	Impercial and of Intelligence I Dunmanter Dialet		

1 ear	Sem V					
CO Number	Course Outcome					
	tudents will be able to relate to techniques of formal and technical writing and principles of corporate ethics which includes					
505.1	knowledge of Intellectual Property Rights and ethical codes of conduct in business and corporate activities					
	Students will be able to explain the objectives, format and style of the technical report, and technical proposal, and the importance of					
505.2	interpersonal skills and paraphrase a technical paper					
505.3	tudents will be able to make use of the techniques for mock interviews and interpersonal skills in presentations.					
	Students will be able to compare various forms of technical writing like technical reports, Technical proposals, and Meeting					
505.4	documentation.					
505.5	Students will be able to evaluate technical reports and technical proposals using the given rubric					
505.6	rudents will be able to design resumes and Statement of Purpose as per the given format					

	Mini Project -2A V	Web Ba	sed Business		
<b>Course Name:</b>	Model				
<b>Course Code</b>	ITM501				
<b>Faculty Name:</b>	Vaisl	hali K.			
Year	3 Sem		V		

CO Number	Course Outcome					
ITM505.1	dentify problems based on societal /research needs.					
ITM505.2	Understand the importance of this problem.					
ITM505.3	Apply Knowledge and skill to solve societal problems in a group.					

	ITM505.4	Analyse the impact of solutions in societal and environmental context.						
Γ	ITM505.5	valuate the problems using standard norms of engineering practices						
	ITM505.6	To create and deploy a project using project management principles.						

<b>Course Name:</b>	AI and DS –II					
<b>Course Code</b>	ITC701					
<b>Faculty Name:</b>	Sunantha K.					
Year	4 <b>Sem</b> VII					
CO Number		Course Outcome				
ITC701.1	Remember the basic stages of DS, math	nematical models and techniques of cognitive, fuzzy, ML & DL algorithms				
ITC701.2	Understand the stages of DS, Models and techniques of Fuzzy, Cognitive, ML & DL					
ITC701.3	Apply the models and techniques for various data science applications					
ITC701.4	Analyse the current trend in DS and the process to build fuzzy, cognitive a and ML or DL based applications					
ITC701.5	Evaluate the performance of the develo	ped Realtime applications				
ITC701.6	Design models for DS using fuzzy, cog	nitive, ML & DL				

<b>Course Name:</b>	e: Internet of Everything				
<b>Course Code</b>	e ITC702				
<b>Faculty Name:</b>	e: Janhavi B.				
Year	4 Sem VII				
CO Number	r Course O	utcome			
ITC702.1	Students will be able to list the architerctural models, protocols, hardy	wares, softwares used in IoT systems			
ITC702.2	Students will be able to explain the architerctural models, protocols, hardwares, softwares used in IoT systems				
ITC702.3	Students will be able to apply the concept of layred architecture for IoT systems				
ITC702.4	Students will be able to analyze and compare the architerctural models, protocols, hardwares, softwares used in IoT systems				
ITC702.5	Students will be able to select the appropriate architerctural models, protocols, hardwares, softwares used in IoT systems				
ITC702.6	Students will be able to design the IoT system for real world problem				

<b>Course Name:</b>	Software Te	esting and	QA		
<b>Course Code</b>	ITDO7014				
<b>Faculty Name:</b>	Prasad Padalkar				
Year	4 Sem VII				
CO Number	Course Outcome				
ITDO7014.1	List the step in testing process, techniques and methods for software testing				
ITDO7014.2	Describe the step in testing process, techniques and methods for software testing				

ITDO7014.3	Apply testing methods to given code				
ITDO7014.4	Compare and select suitable test methods				
ITDO7014.5	Evaluate the cost of testing for different	methods			
ITDO7014.6	Create Test plan for testing				
<b>Course Name:</b>	Information Retrieval System				
<b>Course Code</b>	ITDO7024				
<b>Faculty Name:</b>	Aruna Khubalkar				
Year	4 Sem VII				
	Course Outcome				
CO Number		Course Outcome			
CO Number ITDO7024.1	Define the objectives of the basic concep				
	Define the objectives of the basic concept Describe the the basic concepts of Information (Information).	pts of Information retrieval system.			
ITDO7024.1	3	pts of Information retrieval system. mation retrieval system.			
ITDO7024.1 ITDO7024.2.	Describe the the basic concepts of Information Solve and process text and multimedia r	pts of Information retrieval system. mation retrieval system.			
ITDO7024.1 ITDO7024.2. ITDO7024.3.	Describe the the basic concepts of Information Solve and process text and multimedia rules Distinguish different text processing techniques.	pts of Information retrieval system. mation retrieval system. retrieval queries and their operations			

<b>Course Name:</b>	Management Information System				
Course Code	ILO7013				
<b>Faculty Name:</b>	Tayyabali Sayyad , Mrudul Arkadi				
Year	4 Sem VII				
CO Number	Course Outcome				
ILO7013.1	Describe Information Systems used in Organizations, how to store and utlize for business decisions.				
ILO7013.2	Discuss how IT tools, technologies and IT systems can provide advantages to organizations and explain data security issues.				
ILO7013.3	Demonstrate how the decision making is done for a given case study using various data analytics techniques				
ILO7013.4	Classify various Information Systems used in organizations to solve problems specific to various functional areas.				
ILO7013.5	Evaluate effectiveness of IT systems in organizations				
ILO7013.6	Devise IT systems for a given organization to enable them to improve their business operations and take data driven decisions				
Course Name:	Cyber Security and Laws				
<b>Course Code</b>	ILO7016				
<b>Faculty Name:</b>	Shanila				
Year	4 Sem VII				
CO Number	Course Outcome				
ILO7016.1	Outline the concept of cybercrime and its effect on outside world.				

ILO7016.2	Infer the cyber offenses and cybercrimes methodologies and its probable targets.					
ILO7016.3	Understands the various tools and methods used in Cybercrimes.					
ILO7016.4	nterpret and distinguish different aspects of cyber law in various legal issues					
ILO7016.5	Understands Indian IT Act and its amendments.					
ILO7016.6	Apply Information Security Standards compliance during software design and development.					

<b>Course Name:</b>	Data Science Lab					
<b>Course Code</b>	ITL701					
<b>Faculty name</b>	Sunantha K.					
Year	4	4 <b>Sem</b> VII				
CO Number				Course Outcome		
ITL701.1	Identifying real life applications of DS					
ITL701.2	Explore use cases of	Explore use cases of Cognitive Computing				
ITL701.3	Implement reasoning	Implement reasoning with uncertainty & fuzzy controller system.				
ITL701.4	Implement and analyse applications based on current trends in Data Science.					
ITL701.5	Evaluate performance of applications					
ITL701.6	Develop real life ap	plication	ns using lear	rning concepts.		

<b>Course Name:</b>	IOE Lab					
<b>Course Code</b>	ITL702					
<b>Faculty name</b>	Janh	avi B.				
Year	4	Sem	VII			
CO Number				Course Outcome		
ITL702.1	Student will be able to list different types of sensors used in the IOT domain.					
ITL702.2	Student will be able	Student will be able to explain different hardwares used in IOT.				
ITL702.3	Student will be able	Student will be able to demonstrate working of different sensors, code and test it.				
ITL702.4	Student will be able to identify the requirements for the real world problems.					
ITL702.5	Student will be able	Student will be able to select appropriate sensors/hardware for the real world problems.				
ITL702.6	Student will be able	e to buil	d the project	successfully by hardware/sensor requirements, coding, emulating and testing.		

<b>Course Name:</b>	Secure Application Development		
<b>Course Code</b>	ITL703		
Faculty name	Nilesh Ghavate		
Year	4	Sem	VII
CO Number			

**Course Outcome** 

ITL703.1	Students will be able to list the methods and steps in secure coding.		
ITL703.2	Students will be able to explain the methods and process of secure coding.		
ITL703.3	Students will be able to apply the secure development practices to real world problems.		
ITL703.4	Students will be able to analyze and compare the secure development practices for given problems.		
ITL703.5	Students will be able to select the secure development practices which applies to real world problems.		
ITL703.6	Students will be able to report the results of the secure development practices applied to real world problems.		

<b>Course Name:</b>	Recent Open Source Project Lab			
<b>Course Code</b>	ITL704			
<b>Faculty name</b>	Vaishali K.			
Year	4 <b>Sem</b> VII			
CO Number	Course Outcome			
ITL704.1	To remember the basic concept of Open Source Software.			
ITL704.2	To understand the concept of GPU and Contribute to open source			
ITL704.3	To apply your knowledge of operating system, network management,			
ITL704.4	Analysis of different technologies, applications and services.			
ITL704.5	To evaluate your knowledge of Open Source Technology			
ITL704.6	To contribute in open source technology			

<b>Course Name:</b>	Project -1				
<b>Course Code</b>	ITM705				
<b>Faculty name</b>	Sunantha				
Year	4	Sem	VII		
CO Number				Course Outcome	
ITM705.1	Identify problems based on societal /research needs.				
ITM705.2	Document, Demonstrate project management principles during project work, as per the engineering practices and excel in this.				
ITM705.3	Demonstrate capabilities of self learning in a group for a life long learning & Apply Knowledge and skill to solve societal problems in a				
ITM705.4	Analyse the impact of solutions in societal and environmental context for sustainable development.				
ITM705.5	Draw the proper inferences from available results through theoretical/ experimental/simulations.				
ITM705.6	Develop interpersonal skills to work as member of a group or leader.				