

Effective from Session:	Effective from Session:												
Course Code	MT114	Title of the Course	MATHEMATICS II	L	Т	Р	С						
Year	Ι	Semester	П	3	1	0	4						
Pre-Requisite	NONE	Co-requisite	NONE										
Course Objectives	• To	• To provide basic knowledge of Mathematics which will be fruitful for them in their higher studies.											

	Course
	Outcomes
CO1	Jacobians are used in designing and forging a robot.
CO2	ODE is practically important for engineers to be able to model physical problems using mathematical equations and then solve
	these equations so that the behavior of the systems concerned can be studied.
CO3	Partial differential equations are used to mathematically formulate, and thus aid the solution of, physical and other problems
	involving functions of several variables, such as the propagation of heat or sound, fluid flow, elasticity, electrostatics, electrodynamics, etc.
CO4	Probability models are useful anywhere that you cannot model a situation deterministically.
CO5	The third common use of linear regression is estimating the value of one variable corresponding to a particular value of the
	another variable.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO				
1	Partial Differentiation and its application	Partial Derivatives, Euler's Theorem on Homogeneous function, Total differentiation, Errors, Jacobins, Curve tracing, Expansion of functions of onevariable and two variables.	8	CO1				
2	Ordinary Differential Equation	Order and degree of differential equations, solution of differential equations of firstorder and first-degree variables separable, Linear D.E., Homogenous D.E., Exact D.E., Linear differential equation with constant coefficients: Complementaryfunction, Particular integral, Method of variation of parameters.	8	CO2				
3	3 Partial Differential Equation and Geometry Introduction of partial Differential Equations, Linear partial differential equation of second order with constant coefficients, Classification of P.D.E. to parabolic, Elliptic and hyperbolic with examples, Straight lines, Circle, Parabola, Ellipse, Hyperbola in two dimensions.							
4	Probability and Distributions	Definition of probability, Elementary properties, Conditional Probability, Baye'sTheorems (without proof), Binomial Distribution, Poisson Distribution and Normal Distribution.	8	CO4				
5	Statistics	Measures of central Tendency – Mean, Median, Mode, Standard deviation and Variance, correlation – Karl Pearsons correlation coefficients, Rank correlation coefficients, Regression lines, Properties of regression coefficients.	8	CO5				
Referen	ce Books:							
1. Diff	erential equation by Gu	ota, Malik and Mittal Pragati Prakashan.						
2. Prot	pability theory and rando	om process by S.P. Eugene Xavier, S. Chand & company Pvt.Ltd.						
3. Eler	nents of partial Differen	tial Equation by Sneddon McGraw Hill.						
4. Mat	hematics and statistics b	y Ajay Goyal, Taxman Allied Service Pvt. Ltd.						
5. Eng	ineering Mathematics –	II by H.K. Dass, S. Chand & company Pvt. Ltd.						
e-Lear	rning Source:							
1. h	https://onlinecourses.npt	el.ac.in/noc20_ma17/						
2. h	ttps://nptel.ac.in/course	s/111105121						

			Course A	rticulation Ma	trix: (Mappir	g of COs with	POs and PSC)s)		
PO-PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
CO										
C01	2	2	2	1	1	1	2	1	2	2
CO2	3	1	2	1	1	1	2	2	2	1
CO3	2	2	2	1	1	1	2	2	1	2
CO4	3	1	2	1	1	1	2	1	2	1
CO5	1	1	2	1	1	1	2	3	1	2



Effective from Session: 2015	5-2016											
Course Code	CA113	Title of the Course	CYBER CRIME AND CYBER LAW	L	Т	Р	С					
Year	Ι	Semester	П	3	1	0	4					
Pre-Requisite	NONE	Co-requisite	NONE									
Course Objectives	• The	The course objective is to provide the fundamental skill to understand cyber laws.										
	• It en	ables to understand the	legal frameworks									
	 It he 	lps the student understa	nd different cyber crimes									
	 It pro 	ovides overview on Intel	lectual Property, copy rights, patents rights etc. 5. Given rap	oid cha	nges in	technol	logy					
	and t	he corresponding chang	es in crime and the law									

Cour	rse Outcomes
CO1	Understand the various types of traditional and contemporary crime related to World of Cyber Space.
CO2	Understand the threats and affect to information system security and different types of security issues.
CO3	Understand the technological and legal issues in electronic and digital signature and way of handling the same.
CO4	Understand to analyze and assess the fundamentals of Intellectual Property Rights (IPR) and Cyber Law.
CO5	Understand to IT Rules (Intermediaries Guidelines), Legal Issues and Challenges Globally and find a way how investigate the crime as
	per law.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO				
1	Nature and Scope of Cyber Crime	World of Cyber Space and Cyber Crime, Cybercrime and Jurisdiction, Cyber Crime Impact and International Action, Ethical Issues in Data and Software Privacy, Cyber Terrorism and Pornography, Documents Tampering, Data Privacy and Protection, Software Security Crime, Ethical Hacking. Internet Security Threats: Hacking, Cracking, Sneaking, Stalking with Case Study.	8	C01				
2	Information System Threats	Threats and Affect to Information System Security, Unauthorized Access: Spoofing and Sniffing, Denial of Services; Computer Virus: Trojan horse, Worms; Theft: Physical Theft, Data Theft, Identity Theft; Malicious Code and Logic Bombs, Sabotage, Vandalism, Accidents; Distinction between Cyber Crime and Conventional Crime.	8	CO2				
3	Electronic and Digital Signatures	Types of Digital Signature and its Working, Technical Issues, Legal Issues, Electronic Records, Crime based on Biometric Security Digital Forensics: Concept of Digital Forensics, Digital Forensic Life Cycle: Preparation, Collection, Transporting, Investigation, Analysis and Interpretation, Reporting and Testifying.	8	CO3				
4	Intellectual Property Rights and Law	Trade mark, Patent, Copyright, Neighboring Rights, Integrated Circuits, Industrial Design Geographical Indication, Trade Secret and its Issues and Challenges; Copyright Law and Patent Law in India.Intellectual operty Rights and LawFundamentals of Cyber Law: Evolution of Law related to Cyber Crime, Genesis and Necessity of IT Act 2000, Object and Scope of the IT Act 2000, Various Authorities under ITAct and their powers; Penalties & Offences, Various Amendments.						
5	IT Rules (Intermediary es Guidelines)	IT Rules 2011 Vs IT Rules 2021, Major Changes and Benefits in IT Rules 2021, Safety Enhancement to Woman and Children, Intermediaries Actions and its Time Frame, Case Study. Legal Issues and Challenges in India, USA and EU: Data Protection and Cyber Security, Legal recognition of Digital Evidence, Recognition of liability in the digital world, Jurisdiction Issues in Transnational Crimes.	8	CO5				
Referen	ce Books:							
1. Dr.	R.K. Chaubey, 'An Intr	roduction to Cyber Crime and Cyber Law', Kamal Law House.						
2. Dr. 3 Hai	rish Chander 'Cyber I a	w and IT Protection' PHI Publication						
4. Rol	hatgi and Karkare, 'Gui	de to Cyber Law & Crimes', 3rd edition. Whytes& Co.						
e-Lean	rning Source:							
1. htt	ps://www.youtube.com/	playlist?list=PLf8YqCm9HoI6fb4LdoY2tFgJfM0PrgInS						
2. htt	ps://nptel.ac.in/courses/	106106129						

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6	PSO7
C01	1	3	2	1	1	1	1	1					2	1				
CO2	3	2		1	1	2	1						2	1				
CO3	1	2	1	1	2	1	3						1	1				
CO4	1	1	1	2		2	1						1	2				
CO5	2	1	2	2	1	1	2	1					2	1				



Effective from Session: 2020-2021 **Course Code** LN201 Title of the Course ADVANCED PROFESSIONAL COMMUNICATION II Т Year Semester Π 1 Ι 5 NONE **Pre-Requisite Co-requisite** NONE The course will sensitize the students for the challenges of a society that is shaped by communication. As • **Course Objectives** participants in the program, students develop and integrate knowledge, creativity, ethical practice, and skills. Students also examine and produce work in oral, written, and visual communication and practice skills in group and intercultural communication.

Course Outcomes

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CO1	Students will be introduced how to improve Reading and Listening skill.
	they will Know the various techniques to improve their listening skills. They will Learn to apply various techniques of Note taking and the
	relation between speedy reading and success and also learn the ways to increase their speed of reading.
CO2	Students will develop the ability to Learn how to write CVs and Resumes. They will Know the importance of compactness of writing and
	be able to develop adequate knowledge of précis writing techniques. They will also Learn how to construct paragraph effectively.
CO3	Students will develop the ability to Know the basics of Group Discussion. They have been given an idea of Seminars. They will Learn how to
	perform as a team player and also emerge as a leader in a group. They will also learn to know about the different types of job interviews held
CO4	The objective of this unit is to introduce the Presentation skills and make them Understand what is meant by non-verbal communication, to
	develop the efficiency of audio-visual aids. The unit is aimed at developing the basic and advanced nuances in oral communication
CO5	The last unit of this program will enable the students to prepare project work on any of the given topics to demonstrate writing skills
	and the knowledge and understanding which the acquire from learning Communication skills.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO					
	Reading and	Ways to improve the Speed & Efficiency of Reading, Importance of Skim Reading, Note							
1	listening	Making, Linear Note- Making & Patterned Note- Taking, Listening Skills & Features of	12	CO1					
	Comprehension	Effective Listening, Listening Skills & Features of Effective Listening							
	Writing Skill	C V & Resume writing, Job Application letter/Covering letter, Precis making.: Principles of							
2		condensation, Rules for writing précis Paragraph writing, Development of the paragraph,	12	CO2					
	Title of the unit: Group Discussion: Meaning & Significance, How to prepare & practice for GD, Common								
3	Group Discussion	Pitfalls in a GD, Seminars: Definition & Conventions of a Seminar, Interview: Definition,	12	CO3					
	and Interview Skills & Techniques, Preparation, Negative Interview Factors & Interview Tips								
	Skills								
		Presentation strategies: Purpose, Audience and locale, Organizing contents, Audio-Visual							
4	Presentation Skill	ds, Nuances of Delivery, Body language, Voice dynamics		CO4					
				 					
5	Project Work	Project Work	12	CO5					
Referen	ce Books:								
1.	Effective Communica	tion Skills: How to Enjoy Author: Keith Coleman, Originally published: 10 October 2018							
2.	The Science of Effecti	ive Communication: Author: Ian Tuhovsky, Originally published: 20 December 2017							
3.	Adair, John : Effective	e Communication. London : Pan Macmillan Ltd.,							
4.	Gawith, G. Power lear	ning : A student's guide to success Lower Hutt, Newzealand : Mills Publications., 1992.							
5.	Lalitha Ramakrishnan	. Business Communication. Karaikal : Himalaya Publications., 2013 [4] L.A. Hill Teaching Engl	ish as a secc	ond					
	language. Cambridge	Univesity 1, 1965.							
e-Learni	ng Source:								
1.	http://psydilab.univer.	kharkov.ua/resources/ucheba/softskills/chapter%205.pdf							
2.	https://drncvpyikhjv3.	cloudfront.net/sites/77/2019/06/26110758/Group-Discussion-Techniques.pdf							

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																	
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	2	3	3	3	3					2	1				
CO2	3	3	3	3	3	2	2	3					2	1				
CO3	3	2	3	2	2	3	3	3					3	1				
CO4	2	3	3	2	2	1	2	3					2	1				
CO5	3	3	2	2	2	2	3	3					2	2				



Effective from Session:2015	-2016						
Course Code	CA106	Title of the Course	COMPUTER ORGANIZATION	L	Т	P	С
Year	Ι	Semester	II	3	1	0	4
Pre-Requisite	NONE	Co-requisite	NONE				
Course Objectives	 To To arcl 	understand the concepts learn the importance on itectures and protocols.	of number system, k maps and complements. of combinational logic phenomena in different circuit an	alysis	with th	ne help	of
	 To org To To 	learn about sequential c anization of CPU. study the memory organ know about the I/O devi	ircuits in asynchronous and synchronous modes and to unde ization consisting of PLA and PAL. ices, interface and Handshaking phenomena.	erstand	the bas	sic	

	Course Outcomes
CO1	With a new advancement in technology, a student shall be able to and analyze base concept of different number systems. A student can also
	understand the concept of logical design in K map and with the help of Boolean expressions.
CO2	Using connotational logic one can establish a strong circuit for parallel and serial addition using different combinational circuits. A student
	should understand the importance of Flip Flop, registers and counters to design asynchronous and synchronous circuits using state
	diagrams.
CO3	A student should be able to understand the facts of CPU architecture, their implementation for providing a basic concept regarding addressing
	modes and BUS architecture
CO4	He/she should be able to know the duties regarding Memory Hierarchy. A student should be aware of the fact when to use PAL and when to
	use PLA.
CO5	A student should gain knowledge of Asynchronous data transfer, serial and parallel communication.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO							
1	Digital Logic Circuit	Number System: Binary, Octal, Hexadecimal, Character codes (BCD, ASCII, EBCDIC), Logic gates, Boolean Algebra, K-map simplification. Combinational logic design: Half adder, Full adder, Subtractor, Carry look ahead adder, Decoder, Encoder, Multiplexer, De- multiplexer.	8	CO1							
2	2 Sequential Circuits Flip-Flops, Excitation tables, Flip-Flop input equation, State table, State diagram, Registers, Counters (synchronous and asynchronous), Complements: (r-1)'s complement, r's complement. Fixed point representation, Floating point representation, Gray codes. Van Numering machine (IAS computer), Instruction formate Left (instruction)										
3	BASIC Organization	Von Neumann machine (IAS computer), Instruction formats, Instruction cycle, Organization of Central Processing Unit, General Register Organization, Stack Organization, Addressing Modes, Data transfer and manipulation, BUS Architecture, Hard-wired and micro programmed control unit.	8	CO3							
4	4 Memory Organization Memory hierarchy, Main Memory, Types of RAM & ROM, Auxiliary memory, Associative memory, Cache memory, Memory mapping (Direct, Associative, Set associative), Virtual memory, Memory management hardware.										
5	I/O Organization	Peripheral devices, I/O interface, Synchronous data transfer, Asynchronous data transfer, Strobe control, Handshaking, Mode of Data transfer: Program Driven I/O, Interrupt Driven I/O, Priority interrupt, Direct memory access, Input output processor, Serial communication, Parallel communication.	8	CO5							
Referen	ce Books:										
1.	M. Morris Mano, "Com	puter System Architecture" PHI.									
2.	B. Ram, "Computer Fur	damental Architectures Organization", New Age.									
3.	Tannenbaum, "Structure	ed Computer Organization", PHI.									
4.	4. Willam Stelling, "Computer Organizations Architecutre" Pearson Education.										
e-Lean	e-Learning Source:										
1.	https://nptel.ac.in/course	es/106105163									
2.	https://www.javatpoint.	com/computer-organization-and-architecture-tutorial									

						С	ourse A	Articul	ation I	Matrix:	(Mappi	ng of CO	s with PO	s and PSC)s)			
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6	PSO7
CO																		
CO1	3	2	1	1		1							2	2				
CO2	1	3	1		1		1						2	1				
CO3	2	1	2			1	1						2	1				
CO4	1	2	1	1		2	1						1	1				
CO5	1	2	1	1		3							2	1				



Effective from Session:2015	-2016											
Course Code	CA107	Title of the Course	DATA STRUCTURE USING C	L	Т	Р	C					
Year	Ι	Semester	II	3	1	0	4					
Pre-Requisite	NONE	Co-requisite	NONE									
Pre-Requisite NONE Co-requisite NONE Course Objectives • To learn basic knowledge about data structure and arrays. • To learn how to create and use linked list and its applications. • To learn the importance of static and dynamic use of stack and queues. • To learn the basic terminology of trees. • To learn basics of sorting and searching techniques • To learn basics of sorting and searching techniques												

	Course Outcomes
CO1	Able to understand basics of C programming language and arrays.
CO2	Able to understand basic concepts of linked list.
CO3	To understand the basic concepts of stack and queues through array and linked list.
CO4	To understand the basic knowledge of trees and graph.
CO5	Able to understand the concepts of sorting and searching techniques.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO						
1	Introduction	Introduction to Data Structure, Efficient use of memory, Elementary Data Organization, Structure operations, Time and space complexity of algorithms and asymptotic notations. Array Definition and Representation, Single and Multidimensional Arrays, Address calculation, Application of arrays, Character String in C, Character string operation, Array as Parameters	8	CO1						
2	Linked list	Representation and Implementation of Singly Linked List, Traversing and Searching of Linked List, Overflow and Underflow, Insertion and deletion to/from Linked Lists, Insertion and deletion Algorithms, doubly linked list and dynamic storage management, Circular Link List, Garbage Collection and Compaction.	8	CO2						
3	8	CO3								
4	Trees & Graph Theory	Basic terminology, Binary Trees, Binary tree representation and Traversal, Algebraic Expressions, Complete Binary Tree, Threaded Binary trees, Binary Search Tree (BST), Height balanced tree and various Rotations. Graph Theory: Terminology & Representations, Traversal- BFS and DFS, Dijkstra's algorithm for shortest path, Prim's and Kruskal's Algorithm for Minimal Spanning tree	8	CO4						
5	Searching & Sorting	Sequential search, Binary search, and Hash search, Comparison and analysis. Sorting: Insertion Sort, Selection Sort, Bubble Sort, Quick Sort, Two Way Merge Sort and Heap Sort.	8	CO5						
Referen	ice Books:									
1. I	1. Horowitz and Sahani, "Fundamentals of data Structures", Galgotia Publication Pvt. Ltd., New Delhi									
2. N	2. M. Tenenbaum, "Data Structures using C & C++", Prentice-Hall of India Pvt. Ltd., New Delhi.									
e-Learning Source:										
1. ł	https://archive.nptel.ac.ir	n/courses/106/103/106103069/								

2. https://nptel.ac.in/courses/106105085

						Co	urse A	rticula	tion M	latrix: (Mappin	g of COs	with POs	s and PSC)s)			
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6	PSO7
C01	3	1	1		1								2	1				
CO2	2	2	1		1		1						2	1				
CO3	2	1	2		2		1						3	1				
CO4	3	1	1	1		1	1						2	1				
CO5	2	1		1		2	1						2	1				



Effective from Session: 2015	5-2016						
Course Code	CA108	Title of the Course	DATA STRUCTURE LAB	L	Т	Р	С
Year	Ι	Semester	Ш	0	0	3	2
Pre-Requisite	NONE	Co-requisite	NONE				
Course Objectives	 To To To To stn To 	impart the basic concept understand concepts abounderstand basic concept understand the algorithm occures. strengthen the ability to	ts of data structures and algorithms. but searching and sorting techniques. bts about stacks, queues, lists trees and graphs. ns and step by step approach in solving problems with the he identify and apply the suitable data structure for the given re	elp of f	fundam rld prol	ental da blem.	ita

	Course Outcomes
CO1	Able to analyze the time and space efficiency of the data structure and Identity the appropriate data structure for given problem.
CO2	Able to understand basic concepts of linked list and Implement operations like searching, insertion, and deletion, traversing mechanism etc. on various data structures.
CO3	Able to understand the basic concepts of stack and queues through array and linked list.
CO4	Able to understand the basic knowledge of trees and graph.
CO5	Implement appropriate sorting/searching technique for given problem.

Exper iment	Title of the Experiment	Content of Unit	Contact Hrs.	Mapped CO
1	Array	Find the Maximum and Minimum value in an array, concatenate two strings, without using library function	2	CO1
2	Stack	Array implementation of Stack and perform Push and Pop operations, Evaluation of a Postfix expression	2	CO2
3	Queue	Array implementation of Linear Queue and perform Insertion and Deletion, Circular Queue and perform Insertion and Deletion, Singly Link List and perform Insertion, Deletion and Traversal	2	CO3
4	Doubly Link List	Implementation of Doubly Link List and perform Insertion, Deletion and Traversal operations, Binary Tree and perform In order, Preorder, and Post order Traversals	2	CO4
5	Searching and sorting	Searching of element in array using Linear Search, Binary Search and Sorting of elements in array using Bubble Sort	2	CO5
Referen	ce Books:			
1. He &	orowitz and Sahani, "Fu C++", Prentice-Hall of	indamentals of data Structures", Galgotia Publication Pvt. Ltd., New Delhi. 2. M. Tenenbaum, "I India Pvt. Ltd., New Delhi.	Data Structur	res using C

 Horowitz and Sahani, "Fundamentals of data Structures", Galgotia Publication Pvt. Ltd., New Delhi. 2. M. Tenenbaum, "Data Structures using C & C++", Prentice-Hall of India Pvt. Ltd., New Delhi.

e-Learning Source:

1. https://archive.nptel.ac.in/courses/106/103/106103069/

2. https://nptel.ac.in/courses/106105085

						С	ourse A	Articul	ation N	Aatrix:	(Mappi	ng of COs	s with PO	s and PSC)s)			
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6	PSO7
CO1	2	3	1	2	1		1						1	2				
CO2	3	1	2		1	1							2	1				
CO3	2	1	2		1		1						1	1				
CO4	3	1	1	1		1							2	1				
CO5	1	1	3	1		2	1						2	2				



Effective from Session: 2015	5-2016						
Course Code	CA109	Title of the Course	COMPUTER ORGANIZATION LAB	L	Т	Р	С
Year	Ι	Semester	II	0	0	2	2
Pre-Requisite	NONE	Co-requisite	NONE				
Course Objectives	 Un mo To To Kn dat 	derstanding the behavior derstanding the behavior dules designed by the str enable the students to un familiarize with the vari owledge of the internal a transfer.	of Logic Gates, Adders, Decoders, Multiplexers and Flip-F r of ALU, RAM, STACK and PROCESSOR from Working udent as part of the experiment. Inderstand the functionality and implementation of computer ous instruction codes and formats of different CPUs. working of main memory, cache memory, associative memory	lops. modu systen ory and	les and 1. Ivarious	the s modes	of

	Course Outcomes									
CO1	Analyze the behavior of logic gates									
CO2	Design combinational circuits for basic components of computer system and Applications.									
CO3	Analyze the operational behavior and applications of various flip-flop									
CO4	Design Arithmetic logic units and different types of memory blocks.									
CO5	Ability to understand the functionality, organization and implementation of computer system.									

Exp. No.	Title of the Experiment	Content of Experiment	Contact Hrs.	Mapped CO							
1	Experiment-1	Study and Bread Realization of Logic Gates, K-Map, Flip-Flop equation, Realization of characteristic and excitation table of various Flip Flops	3	CO1							
2	Experiment-2	Implementation of Half Adder, Full Adder and Subtractor.	3	CO2							
3	Experiment-3	Implementation of Ripple Counters and Registers.	3	CO3							
4	Experiment-4	Implementation of Decoder and Encoder circuits.	3	CO4							
5	Experiment-5	Implementation of Multiplexer and De-Multiplexer circuits.	3	CO4							
6	Experiment-6	Study of 8085 and 8086.	3	CO5							
7	Experiment-7	Assembly language Programming for 8086. Addition, Subtraction Find greatest numbers	3	CO5							
Referen	ce Books:										
1.	M. Morris Mano, "Com	puter System Architecture" PHI.									
2.	B. Ram, "Computer Fu	ndamental Architectures Organization", New Age.									
3.	. Tannenbaum, "Structured Computer Organization", PHI.										
4.	4. Willam Stelling, "Computer Organizations Architecture" Pearson Education.										
e-Lea	e-Learning Source:										
1.	https://nptel.ac.in/cour	ses/106106166									
2.	https://nptel.ac.in/cour	ses/106105163									

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO4	PSO5	PSO6	PSO7
CO1	2	3	2	2	3	2	1	3					2	3				
CO2	2	3	2	2	3	2	1	3					2	2				
CO3	2	3	2	2	3	2	2	1					2	3				
CO4	2	3	2	2	3	2	2	1					2	2				
CO5	2	3	2	2	3	2	1	2					2	1				



Effective from Session: 2020-21														
Course Code	LN153	Title of the Course	ADVANCED PROFESSIONAL COMMUNICATION	L	Т	P	С							
			LAB II											
Year	Ι	Semester	Π	0	0	2	1							
Pre-Requisite	NONE	Co-requisite	NONE											
Course Objectives	The pur The pur The En; The in p Stu cor on The effe	 The course aims to educate the students in both the artistry and utility of the English language for professional purposes through the study of language and literature. The key component of the various types of professional communication is basically communication in the English language which is now a global language. The Department of Languages caters to the needs of the students aspiring for training, expertise and excellence in professional communication with a marked emphasis on English for Specific/Special Purposes (ESP). Students will be given new insights into the concepts of soft skills & professional communication to boost their confidence which will help them choose and build a better career which depends not only on the hard skills, bu on one's soft skills & professional ethics also. The course will help them overcome their fear & anxiety of public speaking & guide them to be a good & 												

Course Outcomes

CO1	Students will be introduced to the basic understanding of communication and Professional Communication. Knowledge of Professional, cultural and cross-cultural communication will be imparted. Meaning and process of Question Formation will be taught. Basic Understanding of questions will be provided. They will also learn & practice how to introduce oneself in professional setting & how to manage speaking anxiety.
CO2	Understanding of basics of Group Discussion and Presentation. The activities will be practiced by various Listening exercises & word games to help them become better presenter
GOA	
CO3	Basic tools of communication and improvement in communicative competence. Improvement in communicative competence will be done by
	using various software applications, showing them cultural movies & involving them in exercises like small & situational talk.
CO4	Negotiation and art of negotiation will be taught & practiced to improve vocal clarity & pronunciation. Understanding the structural and
	functional grammar and basic structure of language.
CO5	Interview skills will be practiced to make them learn how paralinguistic features dramatically affect meaning & how it can help one in
	becoming a persuasive & engaging speaker.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO							
1	Framing Questions	Yes/No Questions, Why-Questions, Question tags, Rhetorical Questions	2	CO 1							
2	Group Discussion and Group Presentation	Theory and practice sessions, visual aids When does the GD take place? What does the GD test? Difference between GD and Debate Some Do's and Don'ts of GD	2	CO 2							
3	Situational Conversation	Social language, Emergency situation, seeking help, Inquiries and Communicating Bad News	2	CO 3							
4	Negotiation	Common fears about negotiations, Building Momentum, bargaining with more powerful opponents, Opening Tactics, Countering your opponent's moves	2	CO 4							
5	Mock Interview Exercises	Cock Interview Exercises Mock Interview Exercises									
Referen	ce Books:										
1.	Gerson, Sharon J. Tech	nical Writing: Process and Product (5th edition). Prentice Hall, 2005.									
2.	K. Floyd, Interpersonal	Communication: The Whole Story. McGraw Hill, 2009.									
3.	. Greenbaum, Sidney and Nelson Gerald, An Introduction to English Grammar. Routledge, 2009.										
4.	4. Swan, Michael, Practical English Usage. OUP, 2005.										
e-Learn	e-Learning Source:										
1.	https://ndl.iitkgp.ac.in./										
2	https://engp.inflibnet.a/	in/Home/ViewSubject?catid=98.4537iM1m7VD3VCoav/IO==									

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO- PSO	PO-	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5
CO																		
CO1	3	3	3	3	3	3	3							3	3			
CO2	3	3	3	3	3	3	3							3	3			
CO3	3	3	2	3	3	3	3							3	3			
CO4	3	3	2	3	3	3	3							3	3			
CO5	3	3	3	3	3	3	3							3	3			