

TECNIA INSTITUTE OF ADVANCED STUDIES
GRADE 'A' INSTITUTE
Department of Information Communication & Technology
COURSE PLAN
ACADEMIC SESSION 2024-25

As per Scheme of Examination & Syllabi for Bachelor of Computer Application Scheme & Syllabus (w.e.f Academic Session 2021-2022 onwards); Guru Gobind Singh Indraprastha University, New Delhi.

PROGRAMME CODE :	020	PROGRAMME :	Bachelor of Computer Applications (BCA)		SHIFT:	1st	L	2	T/P	0	Credits	2
COURSE CODE :	BCA-239	COURSE NAME:	Cyber Ethics		SECTION:	A						
		COURSE TYPE:	Skill Enhancement Course (AEEC)	FACULTY:	Ms.Geeta							

LEARNING OBJECTIVES: The paper aims to understand the importance, limitations and challenges of processes involved in software development. In this course, the learners will be able to develop expertise related to the following:

1. To gain knowledge of various software models.
2. To gain knowledge of various software design activities.
3. To learn cost estimation, software testing, Maintenance and debugging

PREREQUISITE: Fundamentals of Computer

COURSE OUTCOME & MAPPING, COURSE ARTICULATION

		COMMUNICATION SKILLS : The student should be able to communicate the technical information both orally and in writing professionally.	USE OF SOFTWARE TOOLS : Create, select, adapt and apply suitable tools and technologies to a wide range of computational activities.	TECHNICAL SKILLS : Acquire necessary knowledge of technical, scientific as well as basic managerial and financial procedures to analyze and solve real world problems within their work domain	DOMAIN AWARENESS: Clarity on both conceptual and application oriented skills in commerce, Finance & Accounting and its Applications in Business context.	TECHNICAL SUPPORT : Must be able to provide technical support for various software applications	ANALYSIS AND INVESTIGATION OF COMPLEX COMPUTING PROBLEMS : Ability to analyze research and investigate complex computing problems through design of experiments, analysis and interpretation of data and synthesis of the information to arrive at valid conclusions.	DESIGN / DEVELOPMENT OF SOLUTIONS : Apply the knowledge gained in core courses to a broad range of advanced topics in computer science, to learn and develop sophisticated technical products independently.	IMBIBE CYBER ETHICS : Awareness on ethics, values, sustainability and creativity aspects of technical solutions.
	CO - PO MAPPING	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	Able to understand the fundamentals of digital principles and able to design digital circuits by simplifying the Boolean functions	3	2	2	2	2	2	2	1
CO2	Implement the combinational and sequential circuits for the given specifications	2	3	2	1	2	2	2	1
CO3	Able to trace the execution sequence of an instruction through the processor	2	1	2	2	1	2	2	2
CO4	Demonstrate computer architecture concepts related to design of modern processors, memories and I/Os.	1	2	2	1	2	2	1	1
CO5	Demonstrate the ability to classify the addressing modes, instructions set	0	1	2	2	2	2	2	1
	Course Articulation (Average)	1.6	1.8	2	1.6	1.8	2.0	1.8	1.2

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S. No.	Lecture No.	Unit No.	Topic	Sessional Outcome	Experiential Learning	Participative Learning	Problem Solving Methodologies	ICT Tools & E-Resources Utilization	Mapping with CO	Class Material (PPT Faculty+ Students)	Additional Material (Links/ Journals/ Articles/ NEWS)	Mode of Assessment	Status
1	L1	1	Introduction & Emergence of cyber space.	Understanding of Emergence of cyber space.	Student teaching	Lecture Through PPT	Analysis of the Probl	https://www.youtube.com/watch?v=hVJaHqaF59A	CO1	PPT	https://www.youtube.com/watch?v=hVJaHqaF59A	PPT (CIA)	
2	L2	1	Cyber Jurisprudence	Understanding the Cyber Jurisprudence	Student teaching	Lecture Through PPT		https://onlinecourses.nptel.ac.in/noc23_cs127/preview	CO1	PPT	https://onlinecourses.nptel.ac.in/noc23_cs127/preview	PPT (CIA)	
3	L3	1	Cyber Ethics	process of value education for Cyber Ethics	Demonstration	Lecture Through PPT	Case study	https://onlinecourses.swayam2.ac.in/cec20_cs15/preview	CO1, CO4	PPT	https://onlinecourses.swayam2.ac.in/cec20_cs15/preview	PPT (CIA)	
4	T1	1	Ethics for IT Workers and IT Users	Understanding the Ethics for IT Workers and IT Users	Evaluation and Optimiz	Discussion/ Doubt Clearing session	Analysis of the Probl	https://www.youtube.com/watch?v=GloCayM7xYk	CO1, CO4	Notes & PPT	https://www.youtube.com/watch?v=GloCayM7xYk	PPT (CIA)	
5	L4	1	Cyber Jurisdiction	Right understanding- Cyber Jurisdiction	Simulation and Modeli	Lecture Through PPT		https://www.youtube.com/watch?v=GloCayM7xYk	CO4	PPT	https://www.youtube.com/watch?v=GloCayM7xYk	PPT (CIA)	
6	L5	1	Hierarchy of courts	understanding for Hierarchy of courts	Hands-on Design	Lecture Through PPT	Design Approaches	https://www.youtube.com/watch?v=GloCayM7xYk	CO4	Notes & PPT	https://www.youtube.com/watch?v=GloCayM7xYk	Flipped Classroom	
7	L6	1	Civil and criminal jurisdictions The Importance of Cyber Law	Understanding the Importance of Cyber Law	Evaluation and Optimiz	Lecture Through PPT		https://www.youtube.com/watch?v=GloCayM7xYk	CO4	Notes & PPT	https://www.youtube.com/watch?v=GloCayM7xYk	Questions from Assignment	
8	T2	1	Significance of cyber Ethics.	understanding of Significance of cyber Ethics.	Hands-on Design	Discussion/ Doubt Clearing session	Design Review and R	https://www.youtube.com/watch?v=GloCayM7xYk	CO1, CO4	Notes & PPT	https://www.youtube.com/watch?v=GloCayM7xYk	Group Discussion	
9	L7	1	Need for Cyber regulations and Ethics	Need for Cyber regulations and Ethics	Simulation and Modeli	Group Discussion		https://www.youtube.com/watch?v=CFBWXNYLk	CO4	PPT	https://www.youtube.com/watch?v=CFBWXNYLk	Group Discussion	
10	L8	1	Tools for Self-Exploration for Cyber ethics	Tools for Self-Exploration for cyber ethics	Service learning	Lecture Through PPT	Design Review and Refinement	https://www.youtube.com/watch?v=hVJaHqaF59A	CO5	PPT	https://www.youtube.com/watch?v=hVJaHqaF59A	PPT(CIA)	
11	L9	1	Cyberspace-Web space, Web hosting and web Development agreement	Understanding the Cyberspace-Web space.	Service learning	Lecture Through PPT		https://onlinecourses.nptel.ac.in/noc23_cs127/preview	CO2	Notes & PPT	https://onlinecourses.nptel.ac.in/noc23_cs127/preview	PPT(CIA)	
12	T3	1	Legal and Technological Significance of domain Names	Understanding the Legal and Technological Significance of domain Names;	Simulation and Modeli	Discussion/ Doubt Clearing session		https://onlinecourses.swayam2.ac.in/cec20_cs15/preview	CO2	Notes & PPT	https://onlinecourses.swayam2.ac.in/cec20_cs15/preview	Group Discussion	
13	L10	1	Internet as a tool for global access	Understanding the Internet as a tool for global access	Hands-on Design	Flipped Classroom	Design Review and R	https://www.youtube.com/watch?v=GloCayM7xYk	CO3	PPT	https://www.youtube.com/watch?v=GloCayM7xYk	PPT(CIA)	
14	L11	1	Cyberattacks and Cybersecurity	Understanding the Cyberattacks and Cybersecurity	Demonstration	Flipped Classroom	Reliability Testing	https://www.youtube.com/watch?v=GloCayM7xYk	CO3	PPT	https://www.youtube.com/watch?v=GloCayM7xYk	Flipped Classroom	
15	L12	1	Cybersecurity	Understanding the Cybersecurity	Evaluation and Optimiz	Lecture Through PPT	Evaluation and Anal	https://www.youtube.com/watch?v=GloCayM7xYk	CO3	PPT	https://www.youtube.com/watch?v=GloCayM7xYk	PPT (CIA)	

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16	T4	1	Privacy Issues	Understanding the Privacy Issues	Simulation and Modelin	Discussion/ Doubt Clearing session	Reliability Testing	https://www.youtube.com/watch?v=GloCqyM7xYk	CO4	PPT	https://www.youtube.com/watch?v=GloCqyM7xYk	Group Discussion
17	L13	1	Privacy Issues	Understanding the Privacy Issues	Hands-on Design	Lecture Through PPT	Design Review and	https://www.youtube.com/watch?v=GloCqyM7xYk	CO1, CO3	PPT	https://www.youtube.com/watch?v=GloCqyM7xYk	Flipped Classroom
18	L14	2	Privacy Issues	Understanding the Privacy Issues	Job shadowing	Lecture Through PPT	Evaluation and Analy	https://www.youtube.com/watch?v=CFBWIXNYLic	CO1	PPT & Notes	https://www.youtube.com/watch?v=CFBWIXNYLic	Mini Projects
19	L15	2	Freedom of Expression	Understanding the Freedom of Expression	Demonstration	Flipped Classroom		https://www.youtube.com/watch?v=EGFvaP1N_50	CO2	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	VIVA
20	T5	2	Intellectual Property Issues	Intellectual Property Issues	Hands-on Design	Discussion/ Doubt Clearing session	Reliability Testing	https://www.youtube.com/watch?v=EGFvaP1N_50	CO2	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	Group Discussion
21	L16	2	Ethical Decisions in Software Development	Ethical Decisions in Software Development	Demonstration	Lecture Through PPT	Brainstorming	https://www.youtube.com/watch?v=EGFvaP1N_50	CO2	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	PPT(CIA)
22	L17	2	Social Media Ethical issues	Social Media Ethical issues	Simulation and Modelin	Flipped Classroom	Evaluation and Analy	https://www.youtube.com/watch?v=EGFvaP1N_50	CO2	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	PPT(CIA)
23	L18	2	Ethical Issues in AI and core Principles,	Ethical Issues in AI and core Principles,	Evaluation and Optimiz	Lecture Through PPT	Practical	https://www.youtube.com/watch?v=EGFvaP1N_50	CO2	Notes & PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	PPT(CIA)
24	T6	2	Introduction to Block chain Ethics	Introduction to Block chain Ethics	Hands-on Design	Discussion/ Doubt Clearing session	Evaluation and Analy	https://www.youtube.com/watch?v=EGFvaP1N_50	CO2	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	Group Discussion
25	L19	2	Discussion on articles, companies, or legal cases that deal with an ethical issue	Understanding about the Discussion on articles, companies, or legal cases that deal with an ethical issue	Simulation and Modelin	Lecture Through PPT		https://www.youtube.com/watch?v=EGFvaP1N_50	CO3	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	PPT(CIA)
26	L20	2	Privacy, Building Trusting relationships, Cooperation	Understanding about the Privacy, Building Trusting relationships,	Hands-on Design	Lecture Through PPT	Evaluation and Analy	https://www.youtube.com/watch?v=EGFvaP1N_50	CO3	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	PPT(CIA)
27	L21	3	Respecting the competence of other profession.	Understanding about the Respecting the competence of other profession.	Demonstration	Lecture Through PPT		https://www.youtube.com/watch?v=EGFvaP1N_50	CO5	Notes & PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	PPT(CIA)
28	T7	3	Understanding about taking initiative, promoting the culture of openness, depicting loyalty towards goals and objectives.	Understanding about taking initiative, promoting the culture of openness, depicting loyalty towards goals and objectives.	Hands-on Design	Discussion/ Doubt Clearing session	Evaluation and Analy	https://www.youtube.com/watch?v=EGFvaP1N_50	CO2	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	Group Discussion
29	L22	3	Ethics at the workplace: - cybercrime, plagiarism, sexual misconduct, fraudulent use of institutional resources, etc.;	Understanding about the Ethics at the workplace: - cybercrime, plagiarism, sexual misconduct, fraudulent use of institutional resources, etc.;	Simulation and Modelin	Flipped Classroom		https://www.youtube.com/watch?v=EGFvaP1N_50	CO3	PPT	https://www.youtube.com/watch?v=EGFvaP1N_50	Mini Projects

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30	L23	3	Ability to utilize the professional competence for augmenting universal human order.	Understanding for Ability to utilize the professional competence for augmenting universal human order.	Hands-on Design	Flipped Classroom	Evaluation and Anal	https://www.youtube.com/watch?v=EGFvaPIN_50	CO1	Notes & PPT	https://www.youtube.com/watch?v=EGFvaPIN_50	Mini Projects	
31	L24	3	Introduction & Emergence of cyber space,	Understanding of Emergence of cyber space.	Demonstration	Flipped Classroom		https://www.youtube.com/watch?v=EGFvaPIN_50	CO3	Notes & PPT	https://www.youtube.com/watch?v=EGFvaPIN_50	Mini Projects	
32	T8	3	Cyber Jurisprudence	Understanding the Cyber Jurisprudence	Hands-on Design	Discussion/ Doubt Clearing session	Evaluation and Anal	https://www.youtube.com/watch?v=EGFvaPIN_50	CO2	PPT	https://www.youtube.com/watch?v=EGFvaPIN_50	Group Discussion	
33	L25	3	Cyber Ethics	process of value education for Cyber Ethics	Demonstration	Lecture Through PPT		https://www.youtube.com/watch?v=EGFvaPIN_50	CO3	PPT	https://www.youtube.com/watch?v=EGFvaPIN_50	Mini Projects	
34	L26	3	ethics for IT Workers and IT User	Understanding the Ethics for IT Workers and IT Users	Hands-on Design	Lecture Through PPT	Software Design Sol	https://www.youtube.com/watch?v=5YurAgw70g0	CO2	Notes & PPT	https://www.youtube.com/watch?v=5YurAgw70g0	Mini Projects	
35	L27	3	Cyber Jurisdiction	Right understanding- Cyber Jurisdiction	Student teaching	Lecture Through PPT		https://www.youtube.com/watch?v=5YurAgw70g0	CO2	PPT	https://www.youtube.com/watch?v=5YurAgw70g0	Mini Projects	
36	T9	3	Hierarchy of courts	understanding for Hierarchy of courts	Simulation and Modelin	Discussion/ Doubt Clearing session		https://www.youtube.com/watch?v=MSac_s-W0pc&list=PLfU4X48yC1nRU3-6hQP30rWot-hznf74&index=30	CO2	PPT	https://www.youtube.com/watch?v=MSac_s-W0pc&list=PLfU4X48yC1nRU3-6hQP30rWot-hznf74&index=30	Group Discussion	
37	L28	3	Civil and criminal jurisdictions The Importance of Cyber Law	Understanding the Importance of Cyber Law	Evaluation and Optimiz	Lecture Through PPT		https://www.youtube.com/watch?v=MSac_s-W0pc&list=PLfU4X48yC1nRU3-6hQP30rWot-hznf74&index=30	CO2	PPT	https://www.youtube.com/watch?v=MSac_s-W0pc&list=PLfU4X48yC1nRU3-6hQP30rWot-hznf74&index=30	Mini Projects	
38	L29	3	Significance of cyber Ethics,	understanding of Significance of cyber Ethics,	Hands-on Design	Lecture Through PPT		https://www.youtube.com/watch?v=MSac_s-W0pc&list=PLfU4X48yC1nRU3-6hQP30rWot-hznf74&index=30	CO2	PPT	https://www.youtube.com/watch?v=MSac_s-W0pc&list=PLfU4X48yC1nRU3-6hQP30rWot-hznf74&index=30	VIVA and Presentation	
39	L30	4	Need for Cyber regulations and Ethics	Need for Cyber regulations and Ethics	Demonstration	Lecture Through PPT	Brainstorming	https://www.youtube.com/watch?v=GFw9fx1418c	CO2	PPT	https://www.youtube.com/watch?v=GFw9fx1418c	PPT(CIA)	
40	T10	4	Tools for Self-Exploration for Cyber ethics	Tools for Self-Exploration for cyber ethics	Hands-on Design	Discussion/ Doubt Clearing session		https://www.youtube.com/watch?v=MSac_s-W0pc&list=PLfU4X48yC1nRU3-6hQP30rWot-hznf74&index=30	CO2	PPT	https://www.youtube.com/watch?v=MSac_s-W0pc&list=PLfU4X48yC1nRU3-6hQP30rWot-hznf74&index=30	Group Discussion	

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41	L31	4	Cyberspace-Web space, Web hosting and web Development agreement	Understanding the Cyberspace-Web space,	Student teaching	Lecture Through PPT		https://www.youtube.com/watch?v=5v13e-aj9w	CO2	PPT	https://www.youtube.com/watch?v=5v13e-aj9w	PPT(CIA)
42	L32	4	Legal and Technological Significance of domain Names	Understanding the Legal and Technological Significance of domain Names;	Hands-on Design	Lecture Through PPT		https://www.youtube.com/watch?v=Wlv9MDx-8U4	CO2	Notes & PPT	https://www.youtube.com/watch?v=Wlv9MDx-8U4	PPT(CIA)
43	L33	4	Internet as a tool for global access	Understanding the Internet as a tool for global access	Simulation and Modelin	Lecture Through PPT		https://www.youtube.com/watch?v=M5ac-s-W0pc&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=30	CO2	Notes & PPT	https://www.youtube.com/watch?v=M5ac-s-W0pc&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=30	Mini Projects
44	T11	4	Cyberattacks and Cybersecurity	Understanding the Cyberattacks and Cybersecurity	Hands-on Design	Discussion/ Doubt Clearing session		https://www.youtube.com/watch?v=M5ac-s-W0pc&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=30	CO2	PPT	https://www.youtube.com/watch?v=M5ac-s-W0pc&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=30	Group Discussion
45	L34	4	Cybersecurity	Understanding the Cybersecurity	Student teaching	Lecture Through PPT		https://www.youtube.com/watch?v=M5ac-s-W0pc&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=30	CO2	Notes & PPT	https://www.youtube.com/watch?v=M5ac-s-W0pc&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=30	PPT(CIA)
46	L35	4	PrivacyIssues	Understanding the Privacy Issues	Student teaching	Lecture Through PPT	Brainstorming	https://www.youtube.com/watch?v=xD-RTG41E18&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=36	CO2	PPT	https://www.youtube.com/watch?v=xD-RTG41E18&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=36	VIVA
47	L36	4	PrivacyIssues	Understanding the Privacy Issues	Student teaching	Lecture Through PPT	Practical	https://www.youtube.com/watch?v=xD-RTG41E18&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=36	CO2	PPT	https://www.youtube.com/watch?v=xD-RTG41E18&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=36	PPT(CIA)
48	T12	4	PrivacyIssues	Understanding the Privacy Issues	Student teaching	Discussion/ Doubt Clearing session		https://www.youtube.com/watch?v=M5ac-s-W0pc&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=30	PPT	PPT	https://www.youtube.com/watch?v=M5ac-s-W0pc&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=30	Group Discussion
49	L37	4	Freedom of Expression	Understanding the Freedom of Expression	Demonstration	Lecture Through PPT		https://www.youtube.com/watch?v=xD-RTG41E18&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=36	CO5	PPT	https://www.youtube.com/watch?v=xD-RTG41E18&list=PLFJ4X48yC1nRU3-6h0P30rWoT-hznf74&index=36	PPT(CIA)

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50	L38	4	Intellectual Property Issues	Intellectual Property Issues	Simulation and Modelin	Lecture Through PPT		https://www.youtube.com/watch?v=crC79PY87oM	COS	PPT	https://www.youtube.com/watch?v=crC79PY87oM	Questions from Assignment
51	L39	4	Ethical Decisions in Software Development	Ethical Decisions in Software Development	Student teaching	Flipped Classroom		https://www.youtube.com/watch?v=mvYb55vZr4	PPT	PPT	https://www.youtube.com/watch?v=mvYb55vZr4	PPT(CIA)
52	T13	4	Social Media Ethical issues	Social Media Ethical issues	Hands-on Design	Discussion/ Doubt Clearing session		https://www.youtube.com/watch?v=M5ac-s-WDpc&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=30	PPT	PPT	https://www.youtube.com/watch?v=M5ac-s-WDpc&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=30	Group Discussion
53	L40	4	Ethical Issues in AI and core Principles,	Ethical Issues in AI and core Principles,	Simulation and Modelin	Lecture Through PPT		https://www.youtube.com/watch?v=y1KxDbjU_Y&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=41	COS	PPT	https://www.youtube.com/watch?v=y1KxDbjU_Y&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=41	PPT(CIA)
54	L41	4	Introduction to Block chain Ethics	Introduction to Block chain Ethics	Hands-on Design	Lecture Through PPT		https://www.youtube.com/watch?v=y1KxDbjU_Y&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=41	COS	PPT	https://www.youtube.com/watch?v=y1KxDbjU_Y&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=41	PPT (CIA)
55	L42	4	Discussion on articles, companies, or legal cases that deal with an ethical issue	Understanding about the Discussion on articles, companies, or legal cases that deal with an ethical issue	Externship	Lecture Through PPT	Practical	https://www.youtube.com/watch?v=2XC2b_3hkVw	CO3	Notes & PPT	https://www.youtube.com/watch?v=2XC2b_3hkVw	Flipped Classroom
56	T14	4	Privacy, Building Trusting relationships, Cooperation	Understanding about the Privacy, Building Trusting relationships,	Simulation and Modelin	Discussion/ Doubt Clearing session		https://www.youtube.com/watch?v=M5ac-s-WDpc&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=30	PPT	PPT	https://www.youtube.com/watch?v=M5ac-s-WDpc&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=30	Group Discussion
57	L43	4	Respecting the competence of other profession.	Understanding about the Respecting the competence of other profession,	Externship	Lecture Through PPT		https://www.youtube.com/watch?v=cLFIy-128Y&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=47	COS	PPT	https://www.youtube.com/watch?v=cLFIy-128Y&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=47	Group Discussion
58	L44	4	Understanding about taking initiative, promoting the culture of openness, depicting loyalty towards goals and objectives.	Understanding about taking initiative, promoting the culture of openness, depicting loyalty towards goals and objectives,	Simulation and Modelin	Lecture Through PPT		https://www.youtube.com/watch?v=8ED4IGPI_oQ&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=44	COS	PPT	https://www.youtube.com/watch?v=8ED4IGPI_oQ&list=PLftJ4X48yC1nRU3-6hQP3DrWoT-hznf74&index=44	PPT(CIA)

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59	L45	4	Ethics at the workplace: - cybercrime, plagiarism, sexual misconduct, fraudulent use of institutional resources, etc.;	Understanding about the Ethics at the workplace: - cybercrime, plagiarism, sexual misconduct, fraudulent use of institutional resources, etc.;	Simulation and Modelin	Lecture Through PPT		https://www.youtube.com/watch?v=-18NvUuFaCb5k&list=PLUj4X48yCInRUj3-6h0P3DrWot-hznf74&index=45	COS	PPT	https://www.youtube.com/watch?v=18NvUuFaCb5k&list=PLUj4X48yCInRUj3-6h0P3DrWot-hznf74&index=45	PPT(CIA)	
60	T15	4	Ability to utilize the professional competence for augmenting universal human order.	Understanding for Ability to utilize the professional competence for augmenting universal human order.	Evaluation and Optimiz	Discussion/ Doubt Clearing session		https://www.geeksforsgeeks.org/software-engineering/	COS	PPT	https://www.geeksforsgeeks.org/software-engineering/	Group Discussion	

Note : 1 Credit (Theory) =15 Hrs. In a Semester; 1 Credit (Practical) =30 Hrs. In a Semester.

Suggested Readings :(Latest Edition)

TEXTBOOKS

- TB1** Morris Mano, Computer System Architecture, 3rd Edition, Prentice-Hall of India Private Limited, 1999.
TB2 Morris Mano, "Digital Logic and Computer Design", PHI Publications, 2002

REFERENCES:

- RB1.** R. P. Jain, "Modern Digital Electronics", TMH, 3rd Edition, 2003
RB2. William Stallings, Computer Organization and Architecture, 4th Edition, Prentice Hall of India Private Limited, 2001
RB3. Subrata Ghosal, "Computer Architecture and Organization", Pearson 2011
RB4. Malvino, "Digital Computer Electronics: An Introduction to Microcomputers", McGraw Hill

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JOURNALS

1. IEEE Transactions on Computers
2. ACM Transactions on Computer Systems (TOCS)
3. Journal of Computer Architecture
4. IEEE Transactions on Parallel and Distributed Systems (TPDS)
5. ACM Transactions on Architecture and Code Optimization (TACO)
6. Microprocessors and Microsystems
7. Journal of Systems Architecture
8. International Journal of Computer Architecture and Design (UCAD)
9. Performance Evaluation
10. Computer Architecture Letters (CAL)

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