ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

1.3.1 Institution integrates cross cutting issues relevant to gender, Environment and sustainability, Human values and Professional Ethics into the curriculum

1.1.1 and 1.3.1 connected and the cross cutting issues have three dimensions such as core subjects, mandatory subjects and clubs or cells. The documents for the above three are given below.

S.No	Description	Page No
1	Curriculum plan and dairy	1
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SURAMPALEM - 533 437

ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Affiliated to JNTUK, Kakinada
Recognized by UGC under Section 2(f) of UGC Act, 1956
Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

CURRICULUM DELIVERY PLAN

Department: Computer Science and Engineering

Academic year: 2020-21

The Department of Computer Science and Engineering was established on 2006. B.Tech Computer Science and Engineering (CSE) is one of the most sought after courses in engineering these days. With a blend of hardware and software technologies, CSE provides students with the right expertise needed to flourish in the world of computer technology today.

The department of Computer Science & Engineering at Aditya College of Engineering provides students with a healthy combination of research and practice. In an Endeavour to nurture students to cope with the ever changing environment in technology, the department of CSE aims to give a strong foundation in computer science and problem-solving techniques. The programs have been planned to offer a blend of computers, communication technologies and other information retrieving/processing tools so as to provide the student with the requisite know-how for solving real life problems thereby enabling them to enter the world of opportunities with flying colors and capitalize the huge IT market.

In the beginning of every semester in CSE department curriculum plan is designed to improve learning level of the students in the field of computer science by guiding the educational experience that ensures graduation success. The faculty has followed a number of strategic initiatives to make Teaching-Learning process as student friendly.

CSE department provides the subjects based on Object Oriented Analysis and Design, Computer Networks, Compiler Design, Database Management Systems, Operating Systems etc., which includes communication technologies and other information retrieving/processing tools. The subjects will be allotted based on subject experts and well qualified teacher. Various methods of teaching have been followed in different year level.

Every opportunity is being utilized by CSE department to deliver the lectures in an effective way. The most commonly used method to deliver the lectures is traditional Chalk and Talk method.

The power point presentation method and also Videos presentation is often used for visualization of practical issues . which helps the students to understand the concept practically as well as easily and the curriculum of the some courses is attached here.

Head of the Department

Principal

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Aditya College of Engineering
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ADITYA COLLEGE OF ENGINEERING

Department of Computer Science and Engineering

Curriculum Plan

Academic Year: 2020-21

Regulation: R16 **Course: B.Tech.-Year & Sem. : III BTECH I SEM**

Branch : CSE **Subject: OBJECT ORIENTED ANALYSIS & DESIGN USING UML**

Name of the Faculty: A.Krishna Veni

S.No.	Syllabus	Curriculum	Deployment Strategy and Tool	Cross-cutting issues integrated	PO, PSO and CO	Attainments	Attainment Verification
1	UNIT -1 Complex Systems Object Model	▪ Enlightening the Students with The Structure of Complex systems ▪ Elobrating the Attributes of Complex System ▪ Educate students about Object Model and Elements of Object.	1. Chalk and Talk method 2. PPT 3. NPTEL videos	• Basic strategies • Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	PO3 Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:62.41%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
					PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:65.17%	

					CO1. Recognize the concepts and principles of object oriented programming concepts.	CO1:67.92%	
2	UNIT-II Classes and Objects	• Educate the Students about Relationships among objects. • Get awareness about the Nature of a Class, and Relationship among Classes.	1.Chalk and Talk method 2.PPT 3.NPTEL videos	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO2 Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	PO2:52.81%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
					PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:65.17%	
					CO2. Understand the purposes, major components and key mechanisms of Class and Object Diagram.	CO2:76.11%	

3	UNIT-III Introduction to UML	• Educate students about Conceptual model of UML, Architecture • Enlightening students about Class diagrams, Object diagrams.	1. Chalk and Talk method 2.PPT 3.NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.	PO1:58.28%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
					PO5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling to complex engineering activities, with an understanding of the limitations.	PO5:57.08%	
					PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:65.17%	
					CO3. Describe the basic resource management responsibilities of Interaction Diagram.	CO3:70.31%	
4	UNIT-IV Basic Behavioral Modeling	• Educate students about different types of Interaction diagrams. • Awareness on Use case Diagrams,	1.Chalk and Talk method 2.PPT 3.NPTEL videos	• Organization basics • Logical Skills • Human Values • Social Accountabili	**PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.	PO1: 58.28%	1.Classroom participation. 2.Results of Formative and summative assessment.

		• Exercising the students on Activity Diagrams.		• ty • Common Practices			3.Assignment 4.Indirect Method of Assessment
					PO6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	PO6:60.17%	
					PSO2. Problem-Solving Skills: The ability to apply standard principles, practices and strategies for software development.	PSO2:64.24%	
					CO3. Describe the basic resource management responsibilities of Interaction Diagram.	CO3:70.31%	
5	UNIT-V Advanced Behavioral Modeling	• Educate students about Events and signals. • Educate the students about design of State	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social	**PO9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	PO9 : 62.15%	1.Classroom participation. 2.Results of Formative and summative assessment.

		Machines. • Trained the students to draw the State Chart Diagrams		• Accountability • Common Practices	**PSO1. Professional Skill:** The ability to understand, analyze and develop software solutions.	PSO1:65.17%	3.Assignment 4.Indirect Method of Assessment
					CO4. Knowledge on State-chart Diagram.	CO4:71.47%	
6	UNIT-VI Component, Deployment diagrams.	• Trained the students to draw the Component diagrams • Learn Case Study: The Unified Library application.	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO11.Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	PO11: 60.17%	1.Results of Formative 2. Assignment
					PSO3. Successful Career: The ability to become Employee, Entrepreneur and/or Life Long Leaner in the domain of Computer Science	PSO3:56.66%	
					CO5. Applying the techniques for Component and Deployment Diagrams.	CO5:63.88%	

Dairy:

S.No.	Date	Unit/Topic/Chapter/	Curriculum	Deployment Strategy and Tool	Cross-cutting issues integrated	PO, PSO and CO	Attainments	Attainment Verification
1	02-11-2020 to 17-11-2020	Unit-I Introduction: The Structure of Complex systems, The Inherent Complexity of Software, Attributes of Complex System Organized and Disorganized Complexity, Bringing Order to Chaos, Designing Complex Systems	▪ Enlightening the Students with The Structure of Complex systems ▪ Elobrating the Attributes of Complex System ▪ Educate students about Object Model and Elements of Object.	1.Chalk and Talk method 2.PPT 3.NPTEL Videos	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3.Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:62.41%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
						PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:65.17%	
						CO1. Recognize the concepts and principles of object oriented programming concepts.	CO1:67.92%	

2	18-11-2020 To 30-11-2020	Unit-II Classes and Objects: Nature of object, Relationships among objects, Nature of a Class, Relationship among Classes. Interplay of Classes and Objects, Identifying Classes and Objects Importance of Proper Classification, Identifying Classes and Objects, Key abstractions and Mechanisms.	• Educate the Students about Relationships among objects. • Get awareness about the Nature of a Class, and Relationship among Classes.	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO2 Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. **PSO1. Professional Skill:** The ability to understand, analyze and develop software solutions. **CO2.** Understand the purposes, major components and key mechanisms of Class and Object Diagram.	PO2:52.81% PSO1:65.17% CO2:76.11%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
3	01-12-2020 to 19-12-2020	Unit-III Introduction to UML: Why we model, Conceptual model of UML, Architecture.	• Educate students about Conceptual model of UML, Architecture • Enlightening students about Class diagrams, Object	1. Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social	**PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex	PO1:58.28%	1.Classroom participation. 2.Results of Formative and summative

		Classes, Relationships, Common Mechanisms, Class diagrams, Object diagrams.	diagrams.		• Account ability • Common Practices	engineering problems. **PO5 Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling to complex engineering activities, with an understanding of the limitations. **PSO1. Professional Skill:** The ability to understand, analyze and develop software solutions. **CO3.** Describe the basic resource management responsibilities of Interaction Diagram.	 PO5:57.08% PSO1:65.17% CO3:70.31%	assessment. 3.Assignment 4.Indirect Method of Assessment
4	21-12-2020 to 05-01-2021	Unit-IV Basic Behavioral Modeling: Interactions, Interaction diagrams.	• Educate students about different types of Interaction diagrams. • Awareness on Use case Diagrams, • Exercising	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Account ability	**PO1.Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.	PO1: 58.28%	1.Classroom participation. 2.Results of Formative and summative assessment.

		Use cases, Use case Diagrams, Activity Diagrams.	the students on Activity Diagrams.		• Common Practices			3.Assignment 4.Indirect Method of Assessment
						PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	PO6:60.17%	
						PSO2. Problem-Solving Skills: The ability to apply standard principles, practices and strategies for software development.	PSO2:64.24%	
						CO3. Describe the basic resource management responsibilities of Interaction Diagram.	CO3:70.31%	

5	06-01-2021 to 23-01-2021	Unit-V Advanced Behavioral Modeling: Events and signals. State Machines, processes and Threads, time and space. State Chart Diagrams.	• Educate students about Events and signals. • Educate the students about design of State Machines. • Trained the students to draw the State Chart Diagrams	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	PO9 : 62.15%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
						PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:65.17%	
						CO4. Knowledge on State-chart Diagram.	CO4:71.47%	
6	01-02-2021 to 20-02-2021	Unit-VI Architectural Modeling: Component, Deployment. Component diagrams and Deployment diagrams. Case Study:	• Trained the students to draw the Component diagrams • Learn Case Study: The Unified Library application.	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO11.Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	PO11: 60.17%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment

		The Unified Library application.				**PSO3. Successful Career:** The ability to become Employee, Entrepreneur and/or Life Long Leaner in the domain of Computer Science	PSO3:56.66%	4.Indirect Method of Assessment
						CO5. Applying the techniques for component and Deployment Diagrams.	CO5:63.88%	

Head of the Department

Principal

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ACADEMIC RECORD BOOK

Academic Year : 2020-21 Branch : C.S.E - A

Class & Year : III B.Tech I sem

Course : Object oriented Analysis & Design using UML (R16CS3105)

Name and Designation of Staff Member Handling the Course : A. Krishna Veni, Asst. Prof.

Signature of Concerned Staff Member

DAIRY OF LECTURE CLASSES

Sl. No.	Date	Period(s)	Topic Covered
1	2/11/2020	1	The structure of complex system
2	3/11/2020	1	The structure of complex system
3	7/11/2020	1	The inherent complexity of S/w
4	9/11/2020	1	Attributes of complex system
5	21/11/2020	1	Organized complexity
6	22/11/2020	1	Organized complexity
7	23/11/2020	1	Disorganized complexity
8	26/11/2020	1	Bringing order to chaos, Design of complex system
9	28/12/2020	1	Evolution of Object Model
10	29/12/2020	2	Evolution of object model, Foundation of object model
11	2/1/2021	1	Elements of object model
12	4/1/2021	1	Elements of object model; Applying object model
13	5/1/2021	1	Introduction of class & objects
14	6/1/2021	2	Nature of object, relationship among objects
15	7/1/2021	1	Nature of class, relationship among classes
16	8/1/2021	1	relationship among classes
17	9/1/2021	1	Interplay of classes and objects
18	11/1/2021	1	Identifying classes and objects
19	12/1/2021	1	Importance of proper classification, Key abstraction & Mechanism
20	18/1/2021	1	Introduction to UML : why we need model,
21	19/1/2021	1	conceptual model of UML
22			

DAIRY OF LECTURE CLASSES

Sl. No.	Date	Period(s)	Topic Covered
36	6/2/2021	1	component diagram.
37	8/2/2021	1	Deployment diagram.
38	10/2/2021	1	Revision of state machine, sequence diagram
39	11/2/2021	2	Revision of class diagram, object diagram
40	12/2/2021	2	Revision of activity diagram, use case diagram.
41	13/2/2021	2	Revision of class & objects
42	15/2/2021	1	Revision of Interaction diagrams
43	16/2/2021	1	Revision
44	17/2/2021	2	Revision
45	18/2/2021	2	Revision
46	19/2/2021	2	Revision
47	20/2/2021	2	Revision

ADITYA COLLEGE OF ENGINEERING

Department of Computer Science and Engineering

Curriculum Plan

Academic Year: 2020-21

Regulation: R16 Course: B.Tech.-Year & Sem. : III BTECH IISEM

Branch : CSE Subject: COMPUTER NETWORKS

Name of the Faculty: Mr.K.Bhanu Rajesh Naidu

S.No.	Syllabus	Curriculum	Deployment Strategy and Tool	Cross-cutting issues integrated	PO, PSO and CO	Attainments	Attainment Verification
1	UNIT -1 Network Topologies . The OSI Reference Model	▪ Enlightening the Students with Network Topologies WAN, LAN, MAN. • Educate students about The OSI Reference Model and the TCP/IP Reference Model. • Comparison of the OSI and	1.Chalk and Talk method 2.PPT 3.NPTEL videos	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	PO3 Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:61.57%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment

		TCP/IP Reference Models.			**PSO1. Professional Skill:** The ability to understand, analyze and develop software solutions.	PSO1:58.80%	
					CO1. Understand OSI and TCP/IP models.	CO1: 61.41%	
2	UNIT-II Physical Layer and Data Link Layer Design Issues.	• Educate the Students about Fourier Analysis,Guided Transmission Media. • Get awareness about Digital Modulation and Multiplexing . • Educate the Students about Data Link Layer Design Issues.	1.Chalk and Talk method 2.PPT 3.NPTEL videos	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3 Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations. **PSO1. Professional Skill:** The ability to understand, analyze and develop software solutions.	PO3:61.57% PSO1:58.80%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment

					CO1. Understand OSI and TCP/IP models.	CO1: 61.41%	
3	UNIT-III Data Link Layer	• Educate students about Services Provided to the Network Layer. • Enlightening students about Elementary Data Link Protocols	1. Chalk and Talk method 2.PPT 3.NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3 Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:61.57%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
					PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:58.80%	
					CO3 Design applications using internet protocols.	CO3:72.77%	

4	UNIT-IV The Medium Access Control Sublayer	• Educate students about Channel Allocation Problem • Awareness on Multiple Access Protocols. • Educate students about Wireless Lans.	1.Chalk and Talk method 2.PPT 3.NPTEL videos	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3 Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:61.57%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
					PO4 Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	PO4:59.82%	
					PSO1. Professional Skill: The ability to understand, analyze and develop	PSO1:58.80%	

					software solutions.		
					CO2. Analyze MAC layer protocols and LAN technologies.	CO2:69.93%	
					CO3 Design applications using internet protocols.	CO3:72.77%	
5	UNIT-V Network Layer Design Issues	• Educate students about Store and Forward Packet Switching. • Educate the students about design of State Machines. • Educate the students on Connectionless Service. • Educate the students Routing Algorithms.	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO2 Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	PO2 :62.82%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
					PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	PO9:60.36%	
					PSO3. Successful Career:	PSO3: 61.90%	

					The ability to become Employee, Entrepreneur and/or Life Long Leaner in the domain of Computer Science software solutions. **CO4.** Understand routing and congestion control algorithms.	**CO4:75.95%**	
6	UNIT-VI Transport Layer.	• Educate the students on Internet Transport Protocols. • Educate the students about Domain Name System and Electronic Mail	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3 Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations. **PO4 Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of	PO3:61.57% PO4:59.82%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment

					experiments, analysis and interpretation of data, and synthesis of t h e information to provide valid conclusions.		
					PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	PO9:60.36%	
					PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:58.80%	
					PSO3. Successful Career: The ability to become Employee, Entrepreneur and/or Life Long Leaner in the domain of Computer Science	PSO3: 61.90%	
					CO3. Design applications using internet protocols.	CO3:72.77%	
					CO5. Understand how internet works.	CO5:58.89%	

Dairy:

S.No.	Date	Unit/Topic/Chapter/	Curriculum	Deployment Strategy and Tool	Cross-cutting issues integrated	PO, PSO and CO	Attainments	Attainment Verification
1	22-03-2021 to 05-04-2021	Unit-I Introduction: Network Topologies WAN, LAN, MAN. Reference models- The OSI Reference Model- the TCP/IP Reference Model - A Comparison of the OSI and TCP/IP Reference Models	▪ Enlightening the Students with Network Topologies WAN, LAN, MAN. • Educate students about The OSI Reference Model and the TCP/IP Reference Model. • Comparison of the OSI and TCP/IP Reference Models.	1.Chalk and Talk method 2.PPT 3.NPTEL Videos	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3.Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:61.57%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
						PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:58.80%	
						CO1. Understand OSI and TCP/IP models.	CO1: 61.41%	

2	06-04-2021 To 22-04-2021	Unit-II **Physical Layer – Fourier Analysis –** Bandwidth Limited Signals – The Maximum Data Rate of a Channel - Guided Transmission Media, Digital Modulation and Multiplexing: Frequency Division Multiplexing, Time Division Multiplexing, Code Division Multiplexing **Data Link Layer Design Issues**, Error Detection and Correction, Elementary Data Link Protocols, Sliding Window Protocols	• Educate the Students about Fourier Analysis,Guided Transmission Media. • Get awareness about Digital Modulation and Multiplexing . • Educate the Students about Data Link Layer Design Issues,	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3.Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:61.57%	1.Classroom participation 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
						PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:58.80%	
						CO1. Understand OSI and TCP/IP models.	CO1: 61.41%	

3	23-04-2021 to 08-05-2021	Unit-III **The Data Link Layer -** Services Provided to the Network Layer – Framing – Error Control – Flow Control, Error Detection and Correction – Error-Correcting Codes – Error Detecting Codes, Elementary Data Link Protocols- A Utopian Simplex Protocol-A Simplex Stop and Wait Protocol for an Error free channel-A Simplex Stop and Wait Protocol for a Noisy Channel, Sliding Window Protocols-A	• Educate students about Services Provided to the Network Layer. • Enlightening students about Elementary Data Link Protocols	1. Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics. • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3 Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:61.57%	1.Classroom participation. 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
						PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:58.80%	
						CO3. Design applications using internet protocols.	CO3:72.77%	

		One Bit Sliding Window Protocol-A Protocol Using Go-Back-NA Protocol Using Selective Repeat.						
4	13-05-2021 to 26-05-2021	Unit-IV **The Medium Access Control Sublayer-**The Channel Allocation Problem-Static Channel Allocation-Assumptions for Dynamic Channel Allocation, Multiple Access Protocols-Aloha-Carrier Sense Multiple Access Protocols-Collision-Free Protocols-Limited Contention Protocols-Wireless LAN	• Educate students about Channel Allocation Problem • Awareness on Multiple Access Protocols. • Educate students about Wireless Lans.	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3.Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:61.57%	1.Classroom participation 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
						PO4.Conduct investigations of complex problems: Use research-based knowledge and research methods including design of	PO4:59.82%	

		Protocols, Ethernet-Classic Ethernet Physical Layer-Classic Ethernet MAC Sublayer Protocol-Ethernet Performance-Fast Ethernet Gigabit Ethernet-10-Gigabit Ethernet-Retrospective on Ethernet, Wireless Lans-The 802.11 Architecture and Protocol Stack-The 802.11 Physical Layer-The802.11 MAC Sublayer Protocol-The 805.11 Frame Structure-Service				experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. **PSO1. Professional Skill:** The ability to understand, analyze and develop software solutions.	PSO1:58.80%	
						CO2. Analyze MAC layer protocols and LAN technologies.	CO2:69.93%	
						CO3. Design applications using internet protocols.	CO3:72.77%	
5	27-05-2021 to 11-06-2021	Unit-V Design Issues-The Network Layer Design Issues – Store and Forward Packet Switching-	• Educate students about Store and Forward Packet Switching. • Educate the students about design of State	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values	**PO2. Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching	PO2:62.82%	1.Classroom participation 2.Results of Formative and summative

		Services Provided to the Transport layer- Implementation of Connectionless Service- Implementation of Connection Oriented Service- Comparison of Virtual Circuit and Datagram Networks, Routing Algorithms- The Optimality principle- Shortest path Algorithm, Congestion Control Algorithms- Approaches to Congestion Control- Traffic Aware Routing- Admission Control- Traffic Throttling- Load Shedding.	Machines. • Educate the students on Connectionless Service. • Educate the students Routing Algorithms.		• Social Accountability • Common Practices	substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.		assessment. 3.Assignment 4.Indirect Method of Assessment
						PO9.Individual and team work: Functioneffectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	PO9:60.36%	
						PSO3. Successful Career: The ability to become Employee, Entrepreneur and/or Life Long Leaner in the domain of Computer Science software solutions.	PSO3:61.90%	
						CO4. Understand routing and congestion control algorithms.	CO4:75.95%	

6	12-06-2021 to 30-06-2021	Unit-VI **Transport Layer** – The Internet Transport Protocols: Udp, the Internet Transport Protocols: Tcp **Application Layer** –The Domain Name System: The DNS Name Space, Resource Records, Name Servers, Electronic Mail: Architecture and Services, The User Agent, Message Formats, Message Transfer, Final Delivery	• Educate the students on Internet Transport Protocols. • Educate the students about Domain Name System and Electronic Mail	1.Chalk and Talk method 2.PPT 3. NPTEL video	• Organization basics • Logical Skills • Human Values • Social Accountability • Common Practices	**PO3.Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety, and cultural, societal, and environmental considerations.	PO3:61.57%	1.Classroom participation 2.Results of Formative and summative assessment. 3.Assignment 4.Indirect Method of Assessment
						PO4.Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	PO4:59.82%	
						PO9 Individual and team work: Function	PO9:60.36%	

						effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.		
						PSO1. Professional Skill: The ability to understand, analyze and develop software solutions.	PSO1:58.80%	
						PSO3. Successful Career: The ability to become Employee, Entrepreneur and/or Life Long Leaner in the domain of Computer Science.	PSO3:61.90%	
						CO3. Design applications using internet protocols.	CO3:72.77%	
						CO5. Understand how internet works.	CO5:58.89%	

Head of the Department

Principal

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ACADEMIC RECORD BOOK

Academic Year : 2020 - 2021 Branch : CSE - 'B'

Class & Year : III - B.Tech - II Semester

Course : COMPUTER NETWORKS

Name and Designation of Staff Member Handling the Course : K. Bhanu Rajesh, Asst.Prof

Signature of Concerned Staff Member

COMPUTER NETWORKS

Sl. No.	Date	Period(s)	Topic Covered
1.	06/4/2021	1	UNIT:1 INTRODUCTION, Definition, Computer Network
2.	06/4/2021	1	Network Topologies: star, Tree, Ring
3.	07/4/2021	1	Network Topologies: mesh topology, Hybrid topology
4.	16/4/2021	1	Types of Computer Network: WPAN, LAN, MAN.
5.	22/4/2021	1	Reference models: OSI & TCP/IP reference.
6.	23/4/2021	1	OSI Reference model → Seven layers
7.	26/4/2021	1	TCP/IP Reference model → Five layers.
8.	27/4/2021	1	Difference between OSI & TCP/IP models
9.	28/4/2021	1	UNIT:II physical layer Introduction
10	30/4/2021	1	Fourier Analysis, Band width, Signal, Frequency etc,
11	3/5/2021	1	Band width Limited Signals
12	4/5/2021	1	The maximum Data Rate of a channel,
13	5/5/2021	1	Transmission media,
14	8/5/2021	1	Guided Transmission media, UnGuided Transmission media
15	10/5/2021	1	Digital modulation
16	11/5/2021	1	multiplexing: Frequency Division multiplexing
17	12/5/2021	1	Time Division multiplexing
18	17/5/2021	1	Code Division multiplexing
19	18/5/2021	1	Datalink layer Design Issues,
20	19/5/2021	1	Error Detection & Correction,
21	20/5/2021	1	Elementary Data link protocols,
22	20/5/2021	1	Sliding window protocols.
23	24/5/2021	1	unit:III: the Data link layer: Services provided to
24	25/5/2021	1	the Network layer,
25	26/5/2021	1	Framing: Error Control, Flow control,
26	27/5/2021	1	Error detection & correction Error correcting codes

	Date	Period(s)	Topic Covered
42	14/6/21	1	wireless Lans- The 802.11 Architecture
43	15/6/21	1	protocal stack, the 802.11 physical layer, MAC sublayer.
44	16/6/21	1	Unit:V: Design Issues: the Network layer Design Issues.
45	17/6/21	1	Store and Forward packet switching - Services
46	19/6/21	1	→ Implementation of Connectionless Services
47	21/6/21	1	→ Implementation of Connection Oriented Service
48	23/6/21	1	→ Comparison of virtual circuit & Datagram Networks
49	25/6/21	1	Routing Algorithms: SPA, Congestion control, Control Principles
50	26/6/21	1	Unit:VI:- Introduction
51	28/6/21	1	Transport layer, the Internet Transport protocols:
52	30/6/21	1	UDP, the Internet Transport protocols TCP.
53	5/7/21	1	Application layer:- the Domain Name System
54	6/7/21	1	the DNS Name Space, Resource Records,
55	7/7/21	1	Name Servers, Electronic mail:
56	12/7/21	1	Architecture and Services
57	14/7/21	1	the User Agent,
58	22/7/21	1	message Formats, -message Transfer
59	28/7/21	1	Final Deliver. → Revision class work.
60	31/7/21	1	Revision classwork

JNTUK, KAKINADA MANDATORY SUBJECTS SYLLABUS

III Year - II Semester

L T P C

0 2 0 0

INTELLECTUAL PROPERTY RIGHTS AND PATENTS

Objectives:

*To know the importance of Intellectual property rights, which plays a vital role in advanced Technical and Scientific disciplines.

*Imparting IPR protections and regulations for further advancement, so that the students can familiarize with the latest developments.

Unit I: Introduction to Intellectual Property Rights (IPR) Concept of Property - Introduction to IPR – International Instruments and IPR - WIPO - TRIPS – WTO -Laws Relating to IPR - IPR Tool Kit - Protection and Regulation - Copyrights and Neighboring Rights – Industrial Property – Patents - Agencies for IPR Registration – Traditional Knowledge –Emerging Areas of IPR - Layout Designs and Integrated Circuits – Use and Misuse of Intellectual Property Rights.

Unit II: Copyrights and Neighboring Rights Introduction to Copyrights – Principles of Copyright Protection – Law Relating to Copyrights - Subject Matters of Copyright – Copyright Ownership – Transfer and Duration – Right to Prepare Derivative Works –Rights of Distribution – Rights of Performers – Copyright Registration – Limitations – Infringement of Copyright – Relief and Remedy – Case Law - Semiconductor Chip Protection Act.

UNIT III: Patents Introduction to Patents - Laws Relating to Patents in India – Patent Requirements – Product Patent and Process Patent - Patent Search - Patent Registration and Granting of Patent - Exclusive Rights – Limitations - Ownership and Transfer — Revocation of Patent – Patent Appellate Board - Infringement of Patent – Compulsory Licensing — Patent Cooperation Treaty – New developments in Patents – Software Protection and Computer related Innovations.

UNIT IV: Trademarks Introduction to Trademarks – Laws Relating to Trademarks – Functions of Trademark – Distinction between Trademark and Property Mark – Marks Covered under Trademark Law - Trade Mark Registration – Trade Mark Maintenance – Transfer of rights - Deceptive Similarities - Likelihood of Confusion - Dilution of Ownership – Trademarks Claims and Infringement – Remedies – Passing Off Action.

UNIT V: Trade Secrets Introduction to Trade Secrets – General Principles - Laws Relating to Trade Secrets - Maintaining Trade Secret – Physical Security – Employee Access Limitation – Employee Confidentiality Agreements – Breach of Contract –Law of Unfair Competition – Trade Secret Litigation – Applying State Law. III Year - II Semester L T P C 0 2 0 0

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UNIT VI: Cyber Law and Cyber Crime Introduction to Cyber Law – Information Technology Act 2000 - Protection of Online and Computer Transactions - E-commerce - Data Security – Authentication and Confidentiality - Privacy - Digital Signatures – Certifying Authorities - Cyber Crimes - Prevention and Punishment – Liability of Network Providers. • Relevant Cases Shall be dealt where ever necessary.

Outcome:

* IPR Laws and patents pave the way for innovative ideas which are instrumental for inventions to seek Patents.

*Student get an insight on Copyrights, Patents and Software patents which are instrumental for further advancements.

References:

1. Intellectual Property Rights (Patents & Cyber Law), Dr. A. Srinivas, Oxford University Press, New Delhi.

2. Deborah E.Bouchoux: Intellectual Property, Cengage Learning, New Delhi.

3. PrabhuddhaGanguli: Intellectual Property Rights, Tata Mc-Graw –Hill, New Delhi

4. Richard Stim: Intellectual Property, Cengage Learning, New Delhi.

5. Kompal Bansal &Parishit Bansal Fundamentals of IPR for Engineers, B. S. Publications (Press).

6. Cyber Law - Texts & Cases, South-Western's Special Topics Collections.

7. R.Radha Krishnan, S.Balasubramanian: Intellectual Property Rights, Excel Books, New Delhi.

8. M.Ashok Kumar and Mohdlqbal Ali: Intellectual Property Rights, Serials Pub.

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I Year- I Semester

L T P C

4 0 0 3

ENVIRONMENTAL STUDIES

Course Learning Objectives:

The objectives of the course is to impart

• Overall understanding of the natural resources

• Basic understanding of the ecosystem and its diversity

• Acquaintance on various environmental challenges induced due to unplanned anthropogenic activities • An understanding of the environmental impact of developmental activities

• Awareness on the social issues, environmental legislation and global treaties Course Outcomes: The student should have knowledge on

• The natural resources and their importance for the sustenance of the life and recognize the need to conserve the natural resources

• The concepts of the ecosystem and its function in the environment. The need for protecting the producers and consumers in various ecosystems and their role in the food web

• The biodiversity of India and the threats to biodiversity, and conservation practices to protect the biodiversity

• Various attributes of the pollution and their impacts and measures to reduce or control the pollution along with waste management practices

• Social issues both rural and urban environment and the possible means to combat the challenges

• The environmental legislations of India and the first global initiatives towards sustainable development.

• About environmental assessment and the stages involved in EIA and the environmental audit.

• Self Sustaining Green Campus with Environment Friendly aspect of – Energy, Water and Wastewater reuse Plantation, Rain water Harvesting, Parking Curriculum.

UNIT – I Multidisciplinary nature of Environmental Studies: Definition, Scope and Importance – Sustainability: Stockholm and Rio Summit–Global Environmental Challenges: Global warming and climate change, Carbon Credits, acid rains, ozone layer depletion, population growth and

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explosion, effects. Role of information Technology in Environment and human health. Ecosystems: Concept of an ecosystem. - Structure and function of an ecosystem. - Producers, consumers and decomposers. - Energy flow in the ecosystem - Ecological succession. - Food chains, food webs and ecological pyramids. - Introduction, types, characteristic features, structure and function of Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems.

UNIT – II Natural Resources: Natural resources and associated problems Forest resources – Use and over – exploitation, deforestation – Timber extraction – Mining, dams and other effects on forest and tribal people Water resources – Use and over utilization of surface and ground water – Floods, drought, conflicts over water, dams – benefits and problems Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, Sustainable mining of Granite, Literate, Coal, Sea and River sands. Food resources: World food problems, changes caused by non-agriculture activities-effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity Energy resources: Growing energy needs, renewable and non-renewable energy sources use of alternate energy sources Vs Oil and Natural Gas Extraction. Land resources: Land as a resource, land degradation, Wasteland reclamation, man induced landslides, soil erosion and desertification. Role of an individual in conservation of natural resources. Equitable use of resources for sustainable lifestyles.

UNIT – III Biodiversity and its conservation: Definition: genetic, species and ecosystem diversity-classification - Value of biodiversity: consumptive use, productive use, social-Biodiversity at national and local levels. India as a mega-diversity nation - Hot-spots of biodiversity - Threats to biodiversity: habitat loss, manwildlife conflicts - Endangered and endemic species of India – Conservation of biodiversity: conservation of biodiversity.

UNIT – IV Environmental Pollution: Definition, Cause, effects and control measures of Air pollution, Water pollution, Soil pollution, Noise pollution, Nuclear hazards. Role of an individual in prevention of pollution. - Pollution case studies, Sustainable Life Studies. Impact of Fire Crackers on Men and his well being. Solid Waste Management: Sources, Classification, effects and control measures of urban and industrial solid wastes. Consumerism and waste products, Biomedical, Hazardous and e – waste management.

UNIT – V Social Issues and the Environment: Urban problems related to energy -Water conservation, rain water harvesting-Resettlement and rehabilitation of people; its problems and concerns. Environmental ethics: Issues and possible solutions. Environmental Protection Act -Air (Prevention and Control of Pollution) Act. –Water (Prevention and control of Pollution) Act - Wildlife Protection Act -Forest Conservation Act-Issues involved in enforcement of environmental legislation. -Public awareness.

UNIT – VI Environmental Management: Impact Assessment and its significance various stages of EIA, preparation of EMP and EIS, Environmental audit. Ecotourism, Green Campus – Green business and Green politics. The student should Visit an Industry / Ecosystem and submit a report individually on any issues related to Environmental Studies course and make a power point presentation.

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TEXT BOOKS:

1. Environmental Studies, K. V. S. G. Murali Krishna, VGS Publishers, Vijayawada

2. Environmental Studies, R. Rajagopalan, 2nd Edition, 2011, Oxford University Press.

3. Environmental Studies, P. N. Palanisamy, P. Manikandan, A. Geetha, and K. Manjula Rani; Pearson Education, Chennai

REFERENCE:

1. Text Book of Environmental Studies, Deeshita Dave & P. Udaya Bhaskar, Cengage Learning.

2. A Textbook of Environmental Studies, Shaashi Chawla, TMH, New Delhi

3. Environmental Studies, Benny Joseph, Tata McGraw Hill Co, New Delhi

4. Perspectives in Environment Studies, Anubha Kaushik, C P Kaushik, New Age International Publishers, 2014

PROFESSIONAL ETHICS AND HUMAN VALUES

UNIT I : Human Values Morals, Values and Ethics – Integrity – Work Ethics – Service Learning – Civic Virtue – Respect for others – Living Peacefully – Caring – Sharing – Honesty –Courage – Value time – Co-operation – Commitment – Empathy – Self-confidence – Spirituality- Character.

UNIT II : Engineering Ethics The History of Ethics-Purposes for Engineering Ethics-Engineering Ethics- Consensus and Controversy –Professional and Professionalism –Professional Roles to be played by an Engineer –Self Interest, Customs and Religion-Uses of Ethical Theories-Professional Ethics-Types of Inquiry – Engineering and Ethics-Kohlberg"s Theory – Gilligan"s Argument – Heinz"s Dilemma.

UNIT III : Engineering as Social Experimentation Comparison with Standard Experiments – Knowledge gained – Conscientiousness – Relevant Information – Learning from the Past – Engineers as Managers, Consultants, and Leaders – Accountability – Role of Codes – Codes and Experimental Nature of Engineering.

UNIT IV : Engineers' Responsibility for Safety and Risk Safety and Risk, Concept of Safety – Types of Risks – Voluntary v/s Involuntary Risk- Short term v/s Long term Consequences- Expected Probability- Reversible Effects- Threshold Levels for Risk- Delayed v/s Immediate Risk- Safety and the Engineer – Designing for Safety – RiskBenefit Analysis-Accidents.

UNIT V : Engineers' Responsibilities and Rights Collegiality-Techniques for Achieving Collegiality –Two Senses of Loyalty- obligations of Loyalty-misguided Loyalty – professionalism and Loyalty-

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Professional Rights –Professional Responsibilities – confidential and proprietary information- Conflict of Interest-solving conflict problems – Self- interest, Customs and Religion- Ethical egoism-Collective bargainingConfidentiality-Acceptance of Bribes/Gifts-when is a Gift and a Bribe-examples of Gifts v/s Bribes-problem solving-interests in other companies- Occupational Crimes-industrial espionageprice fixing-endangering lives- Whistle Blowing-types of whistle blowing-when should it be attempted- preventing whistle blowing.

UNIT VI : Global Issues Globalization- Cross-culture Issues-Environmental Ethics-Computer Ethics-computers as the instrument of Unethical behavior-computers as the object of Unethical Acts-autonomous computers-computer codes of Ethics- Weapons Development-Ethics and Research-Analyzing Ethical Problems in Research-Intellectual Property Rights.

Text Books

"Engineering Ethics• & Human Values" by M.Govindarajan, S.Natarajan and V.S.SenthilKumar-PHI Learning Pvt. Ltd-2009.

"Professional Ethics and Morals" by Prof.A.R.Aryasri, Dharanikota Suyodhana-Maruthi• Publications.

"Professional Ethics and Human Values" by A.Alavudeen, R.Kalil Rahman and M.• Jayakumaran-Laxmi Publications

"Professional Ethics and Human Values" by Prof. D.R. Kiran.• "Indian Culture, Values and Professional Ethics" by PSR Murthy- BS Publication.•

"Ethics in Engineering" by Mike W. Martin and Roland Schinzinger – Tata McGraw-Hill –• 2003.

"Engineering Ethics" by Harris, Pritchard and Rabins, CENGAGE Learning, India Edition,• 2009.

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ACOE/WGEOC/2020-21/Constitution of WGEOC

Date: 3-12-2020

NOTICE

Women Grievance and Equal Opportunity Cell is constituted with the following faculty and student members for the academic year 2020-2021 to look after Women Grievances.

S.No	Name of the member	Designation	Role
1	Dr. A.Ramesh	Principal	Chairman
2	Ms P.N.S Lakshmi	Asst. Professor-CSE	Convener
3	Ms P.Jhansi	Asst. Professor-ECE	Member
4	Ms Sangita De	Asst. Professor-CE	Member
5	Ms P.Sridevi	Asst. Professor-ME	Member
6	Ms P.Himaja	Asst Professor-EEE	Member
7	Ms M.Mary Jyothi	Asst. Professor-BSE	Member
8	Ms G.R.N.Padmapriya(Non-Teaching)	Programmer-CSE	Member
9	Ms B.Kanaka Durga(Non-Teaching)	Lab Technician-ECE	Member
10	Ms T.Neelima(18MH1A0204)	III B.Tech(EEE)	Student Member
11	Ms Y.Lavanya(18MH1A04A4)	III B.Tech(ECE)	Student Member
12	Ms K.Sandhya Rani(19MH5A0330)	III B.Tech(ME)	Student Member
13	Ms Ch.Maha Lakshmi(18MH1A0520)	III B.Tech(CSE)	Student Member

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Cc to: Members of Women Grievance and Equal Opportunity Cell

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Ref: ACOE/W/GAEOC/2020-21/Circular

Date: 3-12-2020

CIRCULAR

The members of the WOMEN GRIEVANCE AND EQUAL OPPORTUNITY CELL are hereby informed to gather in Room No 101, at 3.00 PM on 4-12-2020 in Ramanujan Bhavan to discuss the following Agenda.

AGENDA

1) Plan to conduct guest lectures, competitions to promote Gender Equity.
2) Time bound redressal of grievances received if any.
3) Any other with the permission of chairperson.

CONVENER

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Cc to: All members of Women Grievance and Equal opportunity Cell

Ref: ACOE/WGEOC/2020-2021/Minutes Date:4-12-2020.

Minutes of Women Grievance and Equal Opportunity Cell
AY 2020-21

Date of meeting	4-12-2020(3:00 to 4:30)
Venue	Roomno:101,Ramanujan Bhavan
Reference	ACOE/IQAC/2020-21/Circular dated 3-12-2020

The meeting of Women Grievance and Equal Opportunity cell of Aditya college of Engineering held on 4-12-2020 with the following agenda:

1) Plan to conduct guest lectures and competitions to promote Gender Equity.
2) Time bound redressal of grievances received if any.
3) Any other with the permission of chairperson.

The chairperson welcomed all the members of Women Grievance and Equal Opportunity Cell. The Convener presented the agenda. The points of agenda were discussed and the following resolutions were made.

MINUTES AND RESOLUTIONS

1) The Chairperson instructed members of committee to conduct Guest Lecture to promote gender discrimination in the institute. The Committee also discussed resource persons for this purpose.

2) The committee decided to conduct various competitions and activities like Group Discussions, pick and speak, debate and skit, etc. to create awareness about gender equity.

3) The chairperson insisted the committee to solve the complaints within the stipulated time upon receival.

4) The chairperson also informed that minor complaints are dealt by concerned departments effectively and any complains if not dealt, should be forwarded to cell.

5) The Convener suggested committee conduct awareness programs related to health and hygiene for women of the college.

The following members attended meeting on 4-12-2020.

S.No	Name of the member	Designation	Role	Signature
1	Dr. A.Ramesh	Principal	Chairman	
2	Ms P.N.S Lakshmi	Asst. Professor-CSE	Convener	
3	Ms P.Jhansi	Asst. Professor-ECE	Member	
4	Ms Sangita De	Asst. Professor-CE	Member	
5	Ms P.Sridevi	Asst. Professor-ME	Member	
6	Ms P.Himaja	Asst Professor-EEE	Member	
7	Ms M.Mary Jyothi	Asst. Professor-BSE	Member	
8	Ms G.R.N.Padmapriya(Non-Teaching)	Programmer-CSE	Member	
9	Ms B.Kanaka Durga(Non-Teaching)	Lab Technician-ECE	Member	
10	Ms T.Neelima(18MH1A0204)	III B.Tech(EEE)	Student Member	
11	Ms Y.Lavanya(18MH1A04A4)	III B.Tech(ECE)	Student Member	
12	Ms K.Sandhya Rani(19MH5A0330)	III B.Tech(ME)	Student Member	
13	Ms Ch.Maha Lakshmi(18MH1A0520)	III B.Tech(CSE)	Student Member	

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WOMEN GRIEVANCE & EQUAL OPPORTUNITY COMMITTEE
PERSPECTIVE PLAN
2020-21

S.NO	Month of Event	Department /Committee	Name of the Event	SOP(Standard Operating Procedure)	Budget for the Event
1	December	Women Grievance & Equal Opportunity	A seminar on "Breast Cancer awareness"	➢ Request letter to Principal ➢ Budget proposal Submission to Principal ➢ Principal invitation to guest ➢ Committee Circular ➢ Event Report and Photos	8000
2	March	Women Grievance & Equal Opportunity	Debate Competition on the topic: Acid Attack and the Aftermath	➢ Request letter to Principal ➢ Committee Circular ➢ Event Report and Photos	
3	July	Women Grievance & Equal Opportunity	Special Guest Lecture program: Seminar on crime against women to make aware and empower them.	➢ Request letter to Principal ➢ Budget proposal Submission to Principal ➢ Principal invitation to guest ➢ Committee Circular ➢ Event Report and Photos	8000

Convener

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Ref: ACOE/WGAEOC/2020-2021/SOP

Date: 3-12-2020

STANDARD OPERATING PROCEDURE FOR WOMEN GRIEVANCE AND EQUAL OPPORTUNITY CELL 2020-21

1. The cell has been initiated with the main objective of creating an effective organizational structure for improving the status of women in the institution.

2. The committee will maintain communication with and advise the institutions administration in planning and monitoring progress for women personnel and students.

3. The committee shall advise the administration about a broad range of issues and concerns that influence women's work lives and status in the institution.

4. The Cell will conduct Educational programs regarding gender equity, work life balance etc.

5. The cell will give counselling and provide support services to the female staff and students in the college.

6. The Cell will provide assistance for taking preventive steps in the matter of gender discrimination.

7. The Cell may form / review the guidelines / policy for redressal of the Grievance as required from time to time, which may be in accordance with those issued by Supreme Court and Government Agencies.

8. The Cell will deal with the complaints of any type of harassment or any other of the female students, teaching and non-teaching women staff of the college.

9. The Cell shall process all the individual complaints and take immediate Suitable action.

10. Female students and staff give their Grievance in the form of letter or oral to any of committee member of the cell.

11. After knowing the grievance of the students or staff, the Committee discusses it with concerned HOD and principal to take appropriate solution.

12. Any member found to have harassed another member or guest will be subject to appropriate disciplinary procedure action, including warnings, suspension or termination from roles.

13. The cell will meet at least once every academic year.Other than that; emergency meeting shall be called on receipt of a complaint. The quorum for the meeting should be at least one third of the total members

14.The cell provide appropriate working conditions in respect of work, leisure, health and hygiene to further ensure that there is no hostile environment towards women at work places and that no women employee has reasonable grounds to believe that she is disadvantaged in connection with her employment.

15.The cell promotes educational programs for the workforce regarding gender equality and work-life balance.

CONVENER

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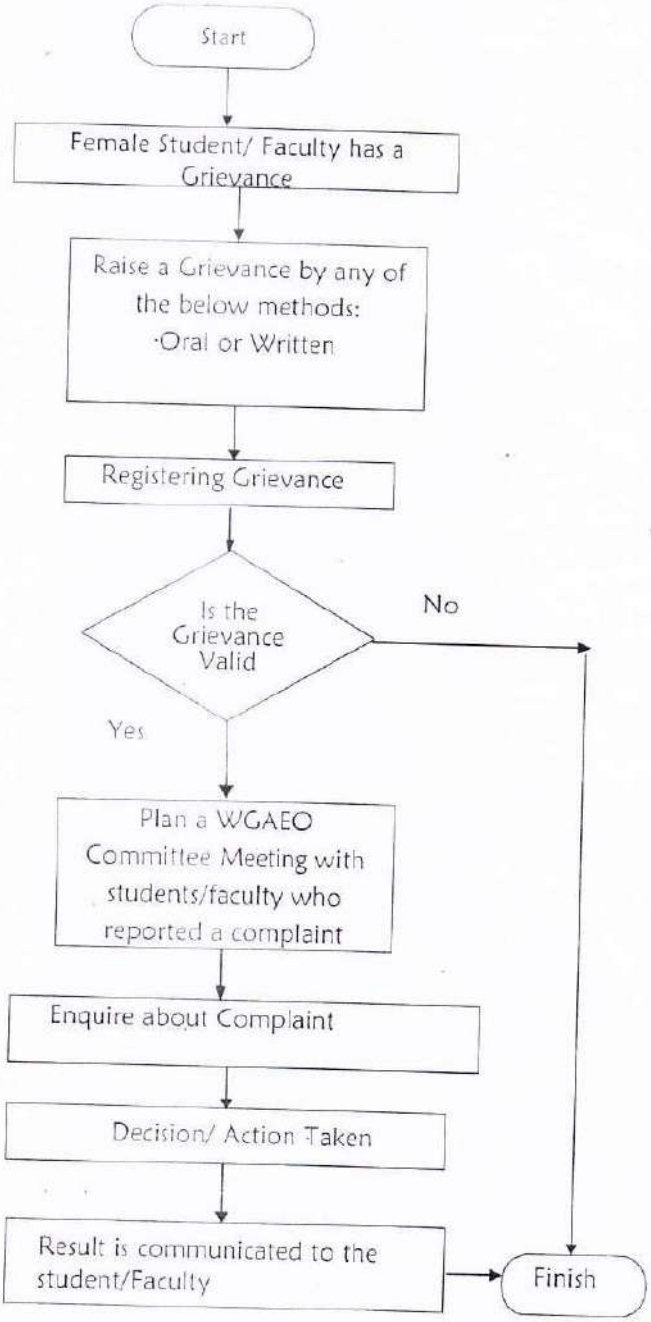
Flowchart for Grievance Redressal



Summary of Programs conducted by Women Grievance & Equal Opportunity Cell-2020-21

S.NO	Name of Event	Date	Number of students participated	Resource Person
1	A seminar on "Breast Cancer awareness"	17-12-2020	60	Seminar program by Women Grievance and Equal Opportunity Cell-Resource Person: Dr. Indu Aggarwal
2	Debate Competition on the topic: Acid Attack and the Aftermath	16-03-2021	25	Debate Competition organized by the Women Grievance and Equal Opportunity Cell
3	Special Guest Lecture program: Seminar on crime against women to make aware and empower them.	5-07-2021	75	Conducted by Women Grievance and Equal Opportunity Cell

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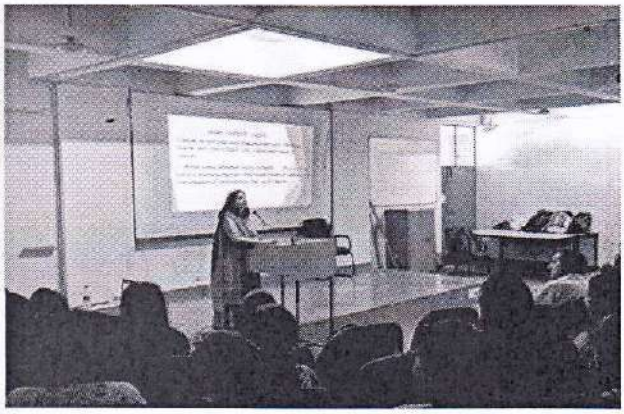
Date: 17-12-2020.

A Report on "A seminar on "Breast Cancer awareness"

Event Name	: A seminar on "Breast Cancer awareness"
Speaker of the Event	: Dr. Indu Aggarwal
Venue	: Seminar Hall
Year of student	: II,III,IV year students.
Date	: 17-12-2020.
No. of Students Enrolled	: 60

The Women Grievance & Equal Opportunity Cell conducted a seminar for first, second, third students on the topic "Breast Cancer Awareness". In this event 60 girl students participated.

Speaker Beginning with a general outlook on all types of cancers, Dr. Aggarwal moved on to talk about the lifestyle changes that are resulting in an increase in breast cancer cases. She highlighted the importance of regular self-inspection and clinical self-examination for the early detection of breast cancer as 80% cases are detected at the advanced stage.



Participated students in seminar

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Date: 16-03-2021

A Report on Debate Competition on the topic: Acid Attack and the Aftermath

Event Name : Debate Competition on the topic: "Acid Attack and Aftermath"

Venue : Seminar Hall

Year of student : II, III Year Students.

Date : 16-3-2021

No. of Students Enrolled : 25

The Women Grievance and Equal Opportunity Cell conducted Debate Competition on"Acid Attack and Aftermath". In this event 25 students participated. Some students speak about Causes of the Attack, Impact and aftermath of acid attack like Physical consequences, Psychological Consequences, and how provide support to the acid attack victims and their families.

Participants at ACE Seminar Hall.

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Date: 5-07-2021

A Report on :" Seminar on Crime against women to make aware and empower them"

Event Name :Seminar on "Crime against women to make aware and empower them"

Speaker of the Event :Dr L.Sumalatha

Venue : Seminar Hall

Year of student :II, IIIYear Students

Date :5-07-2021

No. of Students Enrolled :75

The women grievance& equal opportunity cell conducted seminar on Seminar on Crime against women to make aware and empower them". Speaker discussed the following. According to the National Crime Records Bureau, 93 women get raped every day in India. Women empowerment makes them aware of their rights, strengths and makes them understand that they are not inferior to anyone and must not tolerate any bad behavior. When they know their rights then they can take necessary action in case of any misconduct with them.

Dr. L.Sumalatha

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