Yashoda Shikshan Prasarak Mandal's

Yashoda Technical Campus

Approved by AICTE Delhi/ Govt. of Maharashtra
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Faculty of Polytechnic

DEPARTMENT OF COMPUTER ENGINEERING

Class: SY

Sem: Even

Academic Year: 2024-25

Subject:Data communication and computer network (314318)

Program Outcome:

PO1: Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO2: Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

PO3: Design/ development of solutions : Design solutions for well-defined technical problems and assist with the design of systems components

PO4: Engineering Tools, Experimentation and Testing:Apply modern engineering tools and appropriate technique to conduct standard tests and

PO5: Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices

PO6: Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and

PO7: Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

Program Spaecific Outcomes:

PSO1: Computer Software and Hardware Usage: Use state-of-the-art technologies for operation and application of computer

PSO2: Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.

Course Outcome:

CO314318_a	Analyze the functioning of Data Communication and Computer Network..
CO314318_b	Select relevant Transmission Media and Switching Techniques as per need.
CO314318_c	Analyze the Transmission Errors with respect to IEEE standards.
CO314318_d	Configure different TCP/IP services.
CO314318_e	Implement relevant Network Topology using Networking Devices..

CO-PO Mapping:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
CO314318_a	1		2	1			1		
CO314318_b	1	1	2	1		1	1		
CO314318_c	1	2	1	1			1		
CO314318_d	1	2	2	1		1	1		
CO314318_e		2	2	1	1	1	1		
Average of PO	1.00	1.75		1.00		1.00	1.00		#DIV/0!
Average of PO Mapping in %	33.33	58.33		33.33		33.33	33.33		-

Course Coordinator

Academic Coordinator

HOD

Vision of Program

To empower the students' abilities of academic, technical and professional competence in the field of Electrical Engineering and to nature them in the developing areas to help the society.

Mission of Program

M1- To create opportunity for rural students with capable clever engineers and technocrats through continual excellence in engineering education

M2-To create self-disciplined, skilled, physically and mentally fit and robust, ethically and morally powerful engineers and technocrats with the higher degree of integrity who are responsible and capable to meet the challenges of advance technology of present and future scenario for the welfare of mankind and nature..

M3-Promote an educational environment that integrates an excellent academic discipline and research culture to stimulate the overall technical and social growth of young engineering graduates

M4-Enhance carrier opportunities for students through Industry-Institute-Interaction and value-added courses training and skill development

M5: Inculcate entrepreneurship mindset in students to enable them job creators.