



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: TY
Sem: Even

Academic Year: 2024-25

Subject: Emerging Trends in Computer and Information Technology (22618)

Program Outcome:

- PO1: Basic and Discipline Specific Knowledge: Apply Knowledge of basic mathematics, science and Engineering fundamental 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
- PO4: Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests
- 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 Specific Outcomes:

- PSO1 Modern Information Technology: Use latest technology for operation and application of information.
- PSO2 Information Technology Process: Maintain the information process using modern information and communication technologies

Course Outcome:

- CO22618_a Understand the basic concepts, components, and applications of Artificial Intelligence (AI).
- CO22618_b Explain IoT design principles, protocols, and its significance.
- CO22618_c Analyze blockchain layers and differentiate between centralized and decentralized systems.
- CO22618_d Apply the rules and methods in digital forensics to handle digital evidence ethically.
- CO22618_e Identify and mitigate vulnerabilities in network, web, and database systems.

CO-PO Mapping:

Course Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
CO22618_a	3	2	3	2	3			2	3
CO22618_b	2	3	2	2	3	2		3	2
CO22618_c	3	2	3	3	3			3	3
CO22618_d	3	2	2	3		2		2	2
CO22618_e	3	3	3	2	2	2	3	3	3
Average of PO	2.80	2.40	2.50	3.00	1.25	2.00	3.00	2.60	2.60
Average of PO Mapping in %	93.33	80.00	83.33	100.00	41.67	66.67	100.00	86.67	86.67

G. J. Sutar
Course Coordinator

P. J. Jadhav
Academic Coordinator

J. J. Jadhav
HOD

VISION OF THE INSTITUTE:

To be the recognized and the best rural based engineering college among the institutes in Maharashtra for the excellence in technical education which contributes to the needs of society and to inculcate value based education.

MISSION OF THE INSTITUTE:

- 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 career 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