



Amar Sewa Mandal's
GOVINDRAO WANJARI COLLEGE OF ENGINEERING & TECHNOLOGY
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NAAC ACCREDITED

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Dr. (Smt.) Suhasini Wanjari Adv. Abhijit G. Wanjari Dr. Smeeta Wanjari Dr. Salim Chavan

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

B. TECH. 6TH SEMESTER

LEARNING MANAGMENT SYSTEM (LMS)

S. N.	NAME OF SUBJECT	CO'S	NOTES LINK
1	COMPILER DESIGN (BTCOC601)	CO1: Understand the fundamentals of compiling, the phases of a compiler, and the tools used in compiler construction.	VIEW
		CO2: Analyze the role of lexical analysis, design a lexical analyzer generator, and specify tokens for a language.	VIEW
		CO3: Apply different parsing techniques (top-down, bottom-up, and LR parsing) and analyze the role of parsers and context-free grammars in syntax analysis.	VIEW
		CO4: Construct syntax trees and evaluate syntax-directed translations using both top-down and bottom-up approaches.	VIEW
		CO5: Design and implement a code generator, optimize register allocation, and analyze code generation techniques.	VIEW
2	COMPUTER NETWORKS (BTCOC602)	CO1: Understand the basic concepts of computer networks, including network hardware, software, protocols, reference models, and performance metrics like bandwidth and latency.	VIEW
		CO2: Compare and contrast various LAN technologies such as Ethernet, Wi-Fi, Bluetooth, and others, and evaluate their use in different networking contexts.	VIEW
		CO3: Explain the design issues of the data link layer, including framing, error control, and flow control, and apply error detection and correction techniques.	VIEW
		CO4: Analyze network layer protocols (IPv4/IPv6) and apply routing algorithms; evaluate congestion control and quality of service mechanisms.	VIEW
		CO5: Explain common application layer protocols (DNS, SMTP, FTP, etc.), and demonstrate basic network security concepts such as cryptography, authentication, and firewalls.	VIEW



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3	MACHINE LEARNING (BTCOC603)	C01: Understand the fundamental concepts of machine learning and apply algorithms such as linear regression, decision trees, and collaborative filtering for recommendations. VIEW
		C02: Explain probability-based learning techniques and apply logistic regression, support vector machines, and kernel functions in solving classification problems. VIEW
		C03: Analyze and implement the perceptron and multilayer networks, and understand the basics of deep neural networks and backpropagation for learning. VIEW
		C04: Analyze computational learning theory concepts, including PAC learning, VC dimension, and apply ensemble learning techniques to improve model accuracy. VIEW
		C05: Compare and apply clustering algorithms such as k-means, hierarchical clustering, and Gaussian mixture models for unsupervised learning tasks. VIEW
4	INTERNET OF THINGS (BTCOE604B)	C01: Explain the fundamental concepts, architecture, and challenges of IoT. VIEW
		C02: Identify and categorize smart objects, sensors, actuators, and IoT access technologies. VIEW
		C03: Relate the role of IP in IoT networks and evaluate different IoT transport methods. VIEW
		C04: Apply data analytics and security frameworks to IoT environments. VIEW
		C05: Solve IoT applications using Arduino and Raspberry Pi. VIEW
5	EMPLOYABILITY AND SKILL DEVELOPMENT (BTHM605B)	C01: Develop effective communication skills, including resume writing and professional presentations. VIEW
		C02: Solve mathematical and logical reasoning problems using various quantitative techniques. VIEW
		C03: Construct grammatically correct sentences and comprehend, summarize, and write structured content. VIEW
		C04: Demonstrate interview and group discussion skills with effective verbal and non-verbal communication. VIEW
		C05: Apply structured problem-solving techniques to analyze and resolve issues effectively. VIEW