Amar Sewa Mandal's

**GOVINDRAO WANJARI COLLEGE OF ENGINEERING & TECHNOLOGY** 



President

148/149, Salai Godhani, Near Chikna Village, Hudkeshwar Road, Nagpur - 441204

Ph - 7823850876 / 9307464978 NAAC ACCREDITED



AN ISO 9001-2015 & ISO 14001-2015 CERTIFIED INSTITUTE

Email - gwcet@rediffmail.com Website: www.gwcet.ac.in

Secretary

Treasurer Dr. (Smt.) Suhasini Wanjari Adv. Abhijit G. Wanjarri Dr. Smeeta Wanjarri

Principal Dr. Salim Chavan

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## **B. TECH.** 7<sup>TH</sup> SEMESTER

## LEARNING MANAGMENT SYSTEM (LMS)

S. N.	NAME OF SUBJECT	CO'S	NOTES LINK
	ARTIFICIAL INTELLIGENCE (BTCOC701)	<b>CO1:</b> Explain the fundamental concepts, history, and foundations of Artificial Intelligence and intelligent agents.	VIEW
		<b>CO2:</b> Apply search strategies and problem-solving techniques, including constraint satisfaction and adversarial search.	<u>VIEW</u>
1		<b>CO3:</b> Compare and contrast different knowledge representation techniques and reasoning methods.	<u>VIEW</u>
		<b>CO4:</b> Correlate and categorize probabilistic reasoning models and planning techniques for AI applications.	VIEW
		<b>CO5:</b> Articulate and Use AI models for natural language processing, machine learning, and expert systems.	VIEW
2	CLOUD COMPUTING (BTCOC702)	<b>CO1:</b> Explain the core concepts of the cloud computing paradigm: how and why it is important, the characteristics, advantages and challenges brought about by the various models and services in cloud computing.	<u>VIEW</u>
		<b>CO2:</b> Apply the fundamental concepts in datacenters to understand the tradeoffs in power, efficiency and cost.	VIEW
2		<b>CO3:</b> Illustrate the fundamental concepts of cloud storage and demonstrate their use in storage systems such as Amazon S3 and HDFS. and I/O virtualization techniques.	<u>VIEW</u>
		<b>CO4:</b> Analyze distributed File Systems like HDFS, CephFS.	VIEW
		<b>CO5:</b> Explore some important cloud computing driven commercial systems.	VIEW

## Amar Sewa Mandal's

**GOVINDRAO WANJARI COLLEGE OF ENGINEERING & TECHNOLOGY** 



148/149, Salai Godhani, Near Chikna Village, Hudkeshwar Road, Nagpur – 441204

Ph - 7823850876 / 9307464978 NAAC ACCREDITED



AN ISO 9001-2015 & ISO 14001-2015 CERTIFIED INSTITUTE

Email - gwcet@rediffmail.com Website: www.gwcet.ac.in

PresidentSecretaryTreasurerDr. (Smt.) Suhasini WanjariAdv. Abhijit G. WanjarriDr. Smeeta Wanjarri

Principal Dr. Salim Chavan

3	DISTRIBUTED SYSTEM (BTCOE703B)	<b>CO1:</b> Explain the fundamentals, models, and key issues in distributed computing and inter-process communication.	VIEW
		<b>CO2:</b> Use the RPC model, its implementation, and security considerations in distributed systems.	VIEW
		<b>CO3:</b> Illustrate the architecture, design, and consistency models of distributed shared memory systems.	<u>VIEW</u>
		<b>CO4:</b> Apply scheduling, load balancing, and process migration techniques in distributed environments.	VIEW
		<b>CO5:</b> Compute and interpret the design principles, access models, and fault tolerance mechanisms in distributed file systems.	<u>VIEW</u>
		<b>CO1:</b> Describe the fundamental concepts of	VIEW
	CRYPTOGRAPHY AND NETWORK SECURITY (BTCOE704A)	<b>CO2:</b> Apply modern symmetric encryption techniques, including DES and AES, and analyze cryptanalysis methods.	VIEW
4		<b>CO3:</b> Compute the security properties of stream ciphers, pseudo-random functions, and hash functions.	VIEW
		<b>CO4:</b> Explain asymmetric encryption techniques such as RSA and Diffie-Hellman, along with cryptanalysis methods.	VIEW
		<b>CO5:</b> Examine secure communication systems using digital signatures, elliptic curve cryptography, and network security protocols.	VIEW
		<ul> <li>CO2: Use the RPC model, its implementation, and security considerations in distributed systems.</li> <li>CO3: Illustrate the architecture, design, and consistency models of distributed shared memory systems.</li> <li>CO4: Apply scheduling, load balancing, and process migration techniques in distributed environments.</li> <li>CO5: Compute and interpret the design principles, access models, and fault tolerance mechanisms in distributed file systems.</li> <li>CO1: Describe the fundamental concepts of cryptography, number theory, and Shannon's theory.</li> <li>CO2: Apply modern symmetric encryption techniques, including DES and AES, and analyze cryptanalysis methods.</li> <li>CO3: Compute the security properties of stream ciphers, pseudo-random functions, and hash functions.</li> <li>CO4: Explain asymmetric encryption techniques such as RSA and Diffie-Hellman, along with cryptanalysis methods.</li> <li>CO5: Examine secure communication systems using</li> </ul>	VIEW
	DEEP LEARNING (BTCOE705B)	CO2: Make use of some elementary Deep learning	VIEW
5		CO3: Develop a broad perspective about the	VIEW
5		<b>CO4:</b> Understand the major Deep learning algorithms, the problem settings and assumptions that underlies	VIEW
		strengths and weaknesses of various common Deep	VIEW