



COURSE OUTCOMES (COs)

Semester: VI

Course Name: Deep Learning		Course Code: CD 601
Students will be able to:		
CO1:	Describe in-depth theories, fundamentals, and techniques in Deep learning.	
CO2:	Identify the on-going research in computer vision and multimedia fields.	
CO3:	Evaluate various deep networks using specific performance parameters.	
CO4:	Design and validate deep neural networks as per specific application requirements.	

Course Name: Computer Networks		Course Code: CD 602
Students will be able to:		
CO1:	Appreciate and classify computer networks based on components, services, and layered architectures (OSI and TCP/IP models).	
CO2:	Display a solid comprehension of general and specific network protocol flows, including error detection, framing, and data link layer mechanisms	
CO3:	Select and configure suitable application layer protocols (e.g., HTTP, FTP, SMTP, DNS) to meet network application requirements	
CO4:	Design Reliable Data Transfer (RDT) protocols and incrementally develop solutions for transport layer requirements.	
CO5:	Describe essential network layer principles and apply IP addressing and routing algorithms to design specific subnets	



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING -DATA SCIENCE

Course Name : Big Data Analytics		Course Code: Departmental Elective CD603 (A)
Students will be able to:		
CO1:	Understand the core concepts, challenges, and characteristics of Big Data versus traditional data.	
CO2:	Analyze and compare various Big Data frameworks, specifically Hadoop and NoSQL databases.	
CO3:	Design and implement data-intensive algorithms using the MapReduce paradigm.	
CO4:	Develop practical Big Data solutions and generate analytics using tools like Pig, Hive, and the Hadoop Ecosystem	
CO5:	Gain hands-on experience in performing large-scale data analytics, including social network graph analysis	

Course Name : Natural Language Processing		Course Code: Open Elective CD604 (C)
Students will be able to:		
CO1:	Grasp the core concepts, origins, and challenges of Natural Language Processing versus Formal Languages	
CO2:	Perform morphological analysis, text pre-processing, tokenization, and Part-of-Speech (POS) tagging	
CO3:	Differentiate and assess the strengths and weaknesses of various NLP parsing techniques, such as CFGs, PCFGs, and probabilistic models	
CO4:	Analyze semantics, pragmatics, and word sense disambiguation.	
CO5:	Implement NLP methods in real-world application areas, including machine translation, speech recognition, and information retrieval	

**Approved By:-
Head of Department**