

Department of Artificial Intelligence and Data Science
Course Outcomes of all courses of B Tech 6'th semester AI & DS

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C310 Compiler Design	C310.1	Create and understand the basic concept of compiler and lexical analyzer. (Level 2,6)
	C310.2	Evaluate and distinguish various parsing techniques. (Level 2,4)
	C310.3	Identify and analyze the syntax directed translation and intermediate code generation. (Level 2)
	C310.4	Recognize and apply runtime environment using activation tree and activation record. (Level 2,3)
	C310.5	Understand code optimization and code generation techniques. (Level 2)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C311 Computer Networks	C311.1	Understand basic computer network technology. (Level 2)
	C311.2	Analyze Data Communications System and its components. (Level 4)
	C311.3	Memorize the different types of network topologies and protocols. (Level 1)
	C311.4	Analyze the layers of the OSI model and TCP/IP. Explain the function(s) of each layer. (Level 4)
	C311.5	Apply and building the skills of sub-netting and routing mechanism. (Level 3)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C312 Software Engineering & Project Management	C312.1	To introduce software project and to understand about the different software processes & their uses. (Level 2)
	C312.2	To understand and conceptualize the process of software development life cycle (SDLC) models. (Level 2)
	C312.3	To introduce ethical and professional issues and to explain why they are concern to software engineers. (level 1,2,4)
	C312.4	Apply use of software life cycle to implement the projects successfully in the corporate world. (Level 3)
	C312.5	To understand how Software engineering & Project Management is concerned with theories, methods and tools for professional software development. (level 1,2)

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Course	COURSE OUTCOMES	
C313 Big Data Analytics using Hadoop	C313.1	To introduce and to understand the Big data platform and its use cases. (Level 2)
	C313.2	To understand HDFS concepts and interfacing with HDFS. (Level 2)
	C313.3	To introduce and provide an overview of Apache Hadoop. (level 1,2,4)
	C313.4	Apply analytics on structured and unstructured data. (Level 3)
	C313.5	To understand Map, Reduce Jobs. (level 1,2)

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Course	COURSE OUTCOMES	
C314 Data Warehousing and Mining	C314.1	To introduce and to understand the functionality of the various data mining and data warehousing component (Level 2)
	C314.2	To understand the strengths and limitations of various data mining and data warehousing models. (Level 2)
	C314.3	To introduce and explain the analysing techniques of various data. (level 1,2,4)
	C314.4	Describe and apply different methodologies used in data mining and data warehousing. (Level 3)
	C314.5	To understand the different approaches of data warehousing and data mining with various technologies. (level 1,2)

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Course	COURSE OUTCOMES	
C315 Android Laboratory	C315.1	Understand the limitations and features of developing for mobile devices. (Level 2)
	C315.2	Design a complete mobile app with a significant programming component, involving the sensors and hardware features of the phone. (Level 6)
	C315.3	Evaluate existing state of mobile app development via researching existing apps, meeting with industry professionals, and formulating new ideas. (Level 5)
	C315.4	Formulate proficiency in coding on a mobile programming platform. (Level 6)
	C315.5	Use good knowledge of economics and features of the app marketplace by offering the app for download. (Level 3)

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Course	COURSE OUTCOMES	
C316 Computer Network Laboratory	C316.1	Identify and use various networking components understand different transmission media and design cables for establishing a network. (Level 2, 3)
	C316.2	Use simulation tools. (Level 3)
	C316.3	Implement the various networking protocols. (Level 3)
	C316.4	Analyse the performance of the protocols in different layers. (Level 4)
	C316.5	Design , install and configure servers. (Level 6)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C317 Big Data Analytics using Hadoop Lab	C317.1	Use Hadoop and perform File management tasks. (Level 3)
	C317.2	Apply MapReduce programs to real time issues like word count, weather datasets, and sales of a company. (Level 2)
	C317.3	Critically analyze huge data set using Hadoop and Mapreduce. (Level 4)
	C317.4	Apply data processing tools. (Level 3)
	C317.5	Develop a java application to find the maximum temperature using spark. (Level 6)

On successful completion of this course, students should be able to

Course	COURSE OUTCOMES	
C318 Minor Project Phase - II	C318.1	Apply theoretical knowledge to practical scenarios effectively, showcasing an understanding of core principles in the vocational field. (Level 3)
	C318.2	Develop and manage a project plan, including setting objectives, timelines, resource allocation, and documentation. (Level 6)
	C318.3	Understand and adhere to industry safety standards and regulations, ensuring a safe working environment. (Level 2)
	C318.4	Implement quality control measures to ensure the output meets industry standards. (Level 2)
	C318.5	Understand the basics of entrepreneurship, including business planning, financial management, and marketing within the vocational domain. (Level 2)