Department of Information Technology
Course Outcomes of all courses of B Tech 8th semester IT

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

Course	COURSE OUTCOMES	
C409 - Cyber Security	C409.1	To create cyber security awareness and understand principles of web security. ***(Level 6)***
	C409.2	To **understand** the fundamentals of computer forensics, Evidence Collection Etc. ***(Level 2)***
	C409.3	To **Understand** key terms and concept in cyber law and cyber crimes. ***(Level 2)***
	C409.4	**Illustrate** intellectual property trademarks and domain theft ***(Level 2)***
	C409.5	To **make** attentive to students about possible hacking and threats in this communication era. ***(Level 3)***

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

Course	COURSE OUTCOMES	
C410 - Introduction to Data Science	C410.1	**Identify** and describe the methods and techniques commonly used in data science.
	C410.2	**Demonstrate** proficiency with the methods and techniques for obtaining, organizing, exploring, andanalyzing data. ***(Level 2)***
	C410.3	**Justify** how data analysis, inferential statistics, modeling, machine learning, and statistical computing can be utilized
	C410.4	**Create** and modify customizable tools for data analysis and visualization ***(Level 6)***
	C410.5	**Demonstrate** the ability to clean and prepare data for analysis and assemble data from a variety ofsources. ***(Level 2)***

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

Course	COURSE OUTCOMES	
C411 - Big Data Analytics	**C411.1**	**Define** fundamental concepts and competitive advantages of big data analytics
	C411.2	**Analyze** the big data by utilizing various statistical and data mining approaches. ***(Level 4)***
	C411.3	**Understand** various data analysis methods and intelligent techniques. (***Level 5***)
	C411.4	**Apply** analytics on real-time streaming data. ***(Level 3)***
	C411.5	**Understand** various No SQL database models and visualization techniques.

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

Course	COURSE OUTCOMES	
C412 Hadoop Lab	C412.1	**Define** the tools required to manage and analyze big data.(level 1)
	C412.2	**Understand** Map Reduce Paradigm .(level 2)
	C412.3	**Identify** various sources of Big data.(level 3)
	C412.4	Be able to **solve** complex real-world problems.(level 3)
	C412.5	**Develop** programming tools PIG and HIVE in Hadoop eco system. (level 6)

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Course	COURSE OUTCOMES	
C413 Simulation (Lab)	C413.1	**Make Use** the MATLAB based IT tools for the analysis of data and systems.(level 3)
	C413.2	**Design** different automated systems as a project of their choice using these IT tools.(level 2)
	C413.3	**Identify** and explore different IT tools in MATLAB.(level 3)
	C413.4	**Extend** machine learning and deep learning tools.(level 2)
	C413.5	**Extend** ANN and AI tools.(level 2)

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Course	COURSE OUTCOMES	
C414 Project (Phase– II)	C414.1	Be able to **apply** engineering knowledge.(level 2)
	C414.2	**Analyze** technical resources in real life projects.(level 2)
	C414.3	**Explain** practical skills, organizational skills, Communication skills, professional awareness andexperience working on projects.(level 3)
	C414.4	**Understand** knowledge of how to make optimal decisions to resolve technical challenges.(level 2)
	C414.5	**Create** Technical documents and give presentations.(level 6)