

**Department of Information Technology**  
**Course Outcomes of all courses of B Tech 7<sup>th</sup> semester IT**

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

Course	COURSE OUTCOMES	
<b>C401 - Cryptography and Network Security</b>	<b>C401.1</b>	<b>Define</b> encryption algorithms for confidentiality and their design principles.( <i>Level 1</i> )
	<b>C401.2</b>	Public key encryption algorithms and their <b>design</b> principles ( <i>Level 6</i> )
	<b>C401.3</b>	<b>Utilize</b> message authentication codes, hash functions , digital signature and public key certificates ( <i>Level 3</i> )
	<b>C401.4</b>	<b>Analyze</b> Network security tools and applications. ( <i>Level 4</i> )
	<b>C401.5</b>	<b>Solve</b> System-level security issues like threat of and countermeasures for intruders and viruses. ( <i>Level 3</i> )

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Course	COURSE OUTCOMES	
<b>C402 - Cloud Computing</b>	<b>C402.1</b>	<b>Understand</b> the main concepts, key technologies, strengths, and limitations of cloud computing.( <i>Level 2</i> )
	<b>C402.2</b>	<b>Identify</b> the architecture and infrastructure of cloud computing, including SaaS, PaaS, IaaS, public cloud, private cloud, hybrid
	<b>C402.3</b>	<b>Simplify</b> the core issues of cloud computing such as security, privacy, and interoperability.
	<b>C402.4</b>	Provide the appropriate cloud computing <b>solutions</b> and recommendations according to the applications used ( <i>Level 6</i> )
	<b>C402.5</b>	<b>Develop</b> Hardware/Software verification concept & smart phone activities. ( <i>Level 6</i> )

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Course	COURSE OUTCOMES	
<b>C403 - Enterprise Resource Planning (ERP)</b>	<b>C403.1</b>	<b>Define</b> the Basic concepts and technologies used in ERP.( <i>Level 1</i> )
	<b>C403.2</b>	<b>Classify</b> ERP package selection process. ( <i>Level 2</i> )
	<b>C403.3</b>	<b>Apply</b> the process of developing and implementing ERP systems. ( <i>Level 3</i> )
	<b>C403.4</b>	<b>Identify</b> and describe typical functional modules in ERP system. ( <i>Level 3</i> )
	<b>C403.5</b>	<b>Explain</b> the different applications of ERP systems. ( <i>Level 2</i> )

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Course	COURSE OUTCOMES	
<b>C404 - Decision Support System</b>	<b>C404.1</b>	Recognize the <b>relationship</b> between business information needs and decision making
	<b>C404.2</b>	<b>Select</b> the general nature and range of decision support systems ( <i>Level 3</i> )
	<b>C404.3</b>	Appraise issues related to the <b>Analyse</b> , design, development and implement a DSS ( <i>Level 4</i> )
	<b>C404.4</b>	<b>Select</b> appropriate modeling techniques ( <i>Level 3</i> )
	<b>C404.5</b>	<b>design</b> , implementation: benefits and pitfalls. Risk assessment. Decision analysis and strategic decision support ( <i>Level 6</i> )

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Course	COURSE OUTCOMES	
C405 - Managerial Skills	C405.1	<b>Understand</b> basic management principles to execute daily activities ( <i>Level 2</i> )
	C405.2	Use principles of <b>planning</b> and organizing for accomplishment of tasks. ( <i>Level 3</i> )
	C405.3	<b>Define</b> principles of directing and controlling for implementing the plans ( <i>Level 1</i> )
	C405.4	<b>Apply</b> principles of safety management in all activities. ( <i>Level 3</i> )
	C405.5	<b>Understand</b> various provisions of industrial acts. ( <i>Level 2</i> )

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Course	COURSE OUTCOMES	
C406 Cryptography and Network Security Lab	C406.1	<b>Build</b> security of the data over the network.(level 3)
	C406.2	<b>Identify</b> basic security attacks and services. (level 3)
	C406.3	<b>Explain</b> use of symmetric and asymmetric key algorithms for cryptography(level 2)
	C406.4	<b>Build</b> crypto systems by applying symmetric and public key encryption algorithms. (level 3)
	C406.5	<b>Construct</b> code for authentication algorithms. (level 6)

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Course	COURSE OUTCOMES	
C407 Cloud Computing Lab	C407.1	<b>Create</b> AWS Account.(level 6)
	C407.2	<b>Create</b> Windows and Linux instances.(level 6)
	C407.3	<b>Make use of</b> operating system instances.(level 3)
	C407.4	<b>Analyze</b> elastic file system.(level 4)
	C407.5	<b>Develop</b> load balancer.(level 6)



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# Chhatrapati Shivaji Institute of Technology

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Course	COURSE OUTCOMES	
C408 Project(Phase-I)	C408.1	<b>Apply</b> engineering knowledge and utilize technical resources in real life projects by integrating classroom theory with real-time situations.(level 3)
	C408.2	<b>Analyze</b> practical skills, organizational skills, professional awareness and experience working on projects. (level 4)
	C408.3	<b>Explain</b> knowledge of how to make optimal decisions to resolve technical challenges. (level 2)
	C408.4	Be able to <b>Create</b> technical documents related to the project work completed. (level 6)
	C408.5	<b>Simplify</b> effective communication skill to present the completed project in a promise manner. (level 4)