

SEMESTER - VII		
Sr. No.	Subjects	Subject Code
B.Tech	Advanced Computer Architecture	PCC-CS701
1	Demonstrate concepts of parallelism in hardware/software.	
2	Discuss memory organization and mapping techniques	
3	Describe architectural features of advanced processors.	
4	Explain data flow in arithmetic algorithms.	
5	Development of software to solve computationally intensive problems	
B.Tech	Cloud Computing	PCC- CS702
1	Explain basic concepts, key technologies, strengths, and limitations of cloud computing	
2	Differentiate several deployment models and services of cloud	
3	Identify the virtualization concepts	
4	Analyse the various security issues in cloud computing	
5	Select Appropriate algorithms and approaches for real time issues	
B.Tech	Advanced Database Systems	PCC- CS703
1	Understand and identify issues arising from parallel and distributed processing of data.	
2	Select appropriate database and construct solution to real world problems of storing large data.	
3	Compare and Contrast NoSQL databases with each other and Relational Database Systems.	
4	Make use of SQL cursors, triggers, stored procedures, and procedural SQL to write complex SQL scripts.	
5	Learn database administration tasks and security measures.	
B.Tech	Elective-I Artificial Intelligence	PCE- CS704
1	Evaluate Artificial Intelligence (AI) methods and describe their foundations.	
2	Discuss current scope and limitations of AI and societal implications.	
3	Demonstrate knowledge of reasoning and knowledge representation for solving real world problems.	
4	Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation and learning.	
5	Analyze and illustrate how search algorithms play vital role in problem solving.	
B.Tech	Web Technologies	PCC- CS705
1	Apply knowledge of client side scripting	
2	Develop web application using PHP.	
3	Design web application using MVC and Angular JS.	
4	Demonstrate use of server side technologies	
5	Demonstrate use of server side technologies	
B.Tech	Project-I	PW- CS706
1	Explain the need of a software project for the society	
2	Identify requirement analysis like functional and technical requirements for the project	
3	Come up with design documents for the project consisting of Architecture and diagrams	
4	Demonstrate analysis and design.	
5	Prepare the technical report consisting of Requirement specification, Analysis and Design of Project	

SEMESTER - VI		
Sr. No.	Subjects	Subject Code
B.Tech	Big Data Analytics	PCC- CS801
1	Analyze several key technologies used in manipulating, storing, and analyzing big data.	
2	Acquire clear understanding of R & Hadoop.	
3	Acquire clear understanding of Integrating R & Hadoop and Acquire clear understanding of Hadoop Streaming and its importance.	
4	Manage Big Data and analyze Big Data.	
5	Apply tools and techniques to analyze Big Data	
B.Tech	Deep Learning	PCC- CS802
1	Describe basic concepts of artificial intelligence and deep learning.	
2	Develop different deep learning models for given tasks.	
3	Devise the correct parameters and hyper-parameters of developed model for getting improved results.	
B.Tech	Elective-II PROJECT MANAGEMENT	PCE- CS803
1	Understand project characteristics and various stages of a project.	
2	Understand the conceptual clarity about project organization and feasibility analyses	
3	Analyze the learning and understand techniques for Project planning, project risk, scheduling and Execution	
4	Resolve IT related crises using project management	
5	Manage the phases and infrastructure of IT projects	
6	Describe fundamental concepts of agile methodology and agile development practices	
B.Tech	Elective-III Human Computer Interaction	PCE- CS804
1	Explain principles of User Interface	
2	Demonstrates HCI design process	
3	Demonstrate screen designing techniques	
4	Apply windows based UI interfaces	
5	Design and Develop Mobile Applications	
B.Tech	Mobile Application Development	PCC- CS805
1	To Install and configure Android application development tools.	
2	To Design and develop user Interfaces for the Android platform.	
3	To Design and develop database based android application.	
4	To Apply Java programming concepts to Android app development	
B.Tech	Project-II	PW- CS806
1	Design and develop usable User Interface	
2	Analyze and apply emerging technologies in development of a project	
3	Test the modules in Project	
4	Demonstrate working of project	