

Wardha Road, Nagpur - 441108 Accredited with NAAC A + Grade & NBA Accredited (EE & ME) Approved by AICTE, New Delhi, Govt. of Maharashtra (An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

## **Information Technology Department**

## **B.Tech Fourth Sem (NEP)**

## BIT32401 – Operating System

CO	Course Outcomes
BIT32401.1	Classify the structure and key features of operating system
BIT32401.2	Analyze the interaction between process scheduling and synchronization techniques to ensure efficiency.
BIT32401.3	Illustrate memory allocation techniques and their impact.
BIT32401.4	Evaluate strategies for managing deadlocks, and recovery techniques.
BIT32401.5	Examine the performance of disk scheduling algorithms and their role in optimizing file system operations.





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### **Information Technology Department**

### **B.Tech Fourth Sem (NEP)**

## BIT32402: Database Management System

со	Course Outcomes
BIT32402.1	Classify the fundamentals of database systems and DBMS concepts.
BIT32402.2	Demonstrate attributes and their significance in database modeling.
BIT32402.3	Examine the use of aggregation functions and GROUP BY/HAVING clauses.
BIT32402.4	Analyze a given schema to determine violations of normal forms and suggest improvements.
BIT32402.5	Evaluate error recovery mechanism and suggest improvements for ensuring data integrity.







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## **B.Tech Fourth Sem (NEP)**

# BSH32401 – Discrete Mathematics & Graph Theory

	Course Outcomes
	Solve Recurrence Relations, Generating Functions, Combinatorial Problems and Understand
1	the concepts of Groups, Rings, Lattices.
2	Interpret Fuzzy Set Theory and d Uncertainty Concept.
3	Analyze Computational Problems in Graph Theoretical Framework.



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## **B.Tech Fourth Sem (NEP)**

# Open Elective-II: BIT32413: Artificial Intelligence

CO	Course Outcomes
BIT32413.1	Explain the fundamental concepts and terminologies of Artificial Intelligence and Machine Learning.
BIT32413.2	Describe the workflows of Machine Learning and Data Science projects.
BIT32413.3	<b>Evaluate</b> major application areas of AI in industries, assessing their potential and limitations.





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## **B.Tech Fourth Sem (NEP)**

# BSH32404 – Leadership and Team Dynamics

	Course Outcomes
1	Explain how global leadership skills contribute to leadership effectiveness.
2	Understand the leader's role in team-based organizations.
3	Classify the potential contribution of outdoor training to the development of team leadership.





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## **B.Tech Fourth Sem (NEP)**

## BBA32402: Innovation & Entrepreneurship

со	Course Outcomes
BBA32402.1	Describe demand & utility of product in industries.
BBA32402.2	Discuss the terms price determinations, depreciation, and market
BBA32402.3	Apply the elements of a business plan required to set up and start a business.





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## **B.Tech Fourth Sem (NEP)**

# BSH32403 – Human Values for Professional Society

	Course Outcomes
1	Explain the importance of Values Education in life.
2	Understand the significance of harmony in family and society.
3	Apply ethics in personal and professional life.