



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)

Computer Science & Engineering Department

B.Tech Fourth Sem (NEP)

BCS32401 – Operating System

	Course Outcomes
1	Understand the evolution of OS functionality, structures and layers.
2	Execute a model scheduling algorithm to computer scheduling criteria.
3	Analysis page replacement algorithms, memory management problems and segmentation.





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Computer Science & Engineering Department

B.Tech Fourth Sem (NEP)

BCS32402 – Database Management System

	Course Outcomes
1	Understand Model data requirements for an application using conceptual modelling tools.
2	Model database schemas by applying normalization techniques.
3	Perform efficient data storage and retrieval queries using SQL.
4	Evaluate the cost and efficiency of various Query Operations such as selection, sorting and
	Join in different query execution scenarios.
5	Analyze how different schedules impact the recoverability of a database during system failures
	and the role of transactions logs in ensuring recoverable states.





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Computer Science & Engineering Department

B.Tech Fourth Sem (NEP)

BCS32403 – Theorotical Foundation of Computer Science

	Course Outcomes
	Understand formal language, translation logic, essentials of translation, alphabets, language
1	representation and apply it to design Finite Automata and its variants.
2	Construct regular expression to present regular language and understand pumping lemma for
	RE.
3	Design Context Free Grammars and learn to simplify the grammar.
4	Construct Pushdown Automation model for the Context Free Language Design Turing
	Machine for the different requirements outlined by theoretical computer science.
5	Understand different classes of problems, classify and analyze them and study concepts of NP
	completeness.





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Computer Science & Engineering Department

B.Tech Fourth Sem (NEP)

BCS32406-Open Elective- II

Introduction to Database Management System

	Course Outcomes
1	Understand the Lifecycle of Database Management Systems.
2	Apply Database Design Principles and Tools and use data modeling techniques.
3	Perform Database Problem-Solving for Business Challenges.





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Computer Science & Engineering Department

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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Computer Science & Engineering Department

B.Tech Fourth Sem (NEP)

BBA32401 – Entrepreneurship and Management

	Course Outcomes
1	Explain the evolution of the concept of entrepreneurship, characteristics and functions, types of entrepreneurs.
2	Discover post-independence growth of entrepreneurship in India, role of entrepreneurship in economic development.
3	Demonstrate managerial skills in planning organizing, leading and controlling entrepreneurial ventures.





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Computer Science & Engineering Department

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.





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Computer Science & Engineering Department

B.Tech Fourth Sem (NEP)

BSH32404 – Leadership & 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.