



RSR RUNGTA COLLEGE OF ENGINEERING & TECHNOLOGY

Rungta Knowledge City

Kohka – Kurud Road, Bhilai (C.G.)-490024

Recognized by AICTE, New Delhi and Affiliated to CSVTU, Bhilai.

Department of Computer Science & Engineering

Course Outcomes

Programme: Master of Technology

Course Name :Advanced Operating System

Semester: I

Course Code : 522111 (22)

CO1 - Hands-on experience with the development of a specific system on an operating system. By analyzing a research problem with scientific methods, the students will focus on system development, including system design, implementation, performance analysis and evaluation.

CO2 - Designing the evaluation plan to test the developed system in a comprehensive way

CO3 - Learning the recent development of Operating Systems and understanding the new techniques that advance the start-of-the-art of Operating Systems.

CO4 - Identifying the major research challenges in current research of Operating Systems; Accomplishing a project and write the project results with high standard

CO5 - Working in a team and presenting the results by oral presentation.



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Department of Computer Science & Engineering Course Outcomes

Programme: Master of Technology

**Course Name :Java Programming and
Applications**

Semester: I

Course Code : 522112 (22)

CO1- Use the syntax and semantics of java programming language and basic concepts of OOP.

CO2- Develop reusable programs using the concepts of inheritance, polymorphism, interfaces and packages.

CO3-Apply the concepts of Multithreading and Exception handling to develop efficient and error free codes

CO4- Design event driven GUI and web related applications which mimic the real word scenarios.



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Department of Computer Science & Engineering

Course Outcomes

Programme: Master of Technology

Course Name :Advanced Computer Architecture

Semester: I

Course Code : 522113 (22)

CO1- Interpret the performance of a processor based on metrics such as execution time, cycles per instruction (CPI), Instruction count.

CO2- Predict the challenges of realizing different kinds of parallelism (such as instruction, data, thread, core level) and leverage them for performance advancement.

CO3- Apply the concept of memory hierarchy for efficient memory design and virtual memory to overcome the memory wall.

CO4- Explore emerging computing trends, computing platforms, and design trade-offs.



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Course Outcomes

Programme: Master of Technology

Course Name : Advanced Computer Networks

Semester: I

Course Code :522114 (22)

CO1- Understand advanced concepts and next generation networks.
CO2- Analyze TCP/IP variants, network Algorithm's, Protocols and their functionalities.
CO3-Comprehend features of SDN and its application to next generation systems.
CO4- Analyze the performance of various server implementations.



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Department of Computer Science & Engineering

Course Outcomes

Programme: Master of Technology

Course Name :System Simulation

Semester: I

Course Code 522133 (22)

CO1- Define the basics of simulation modeling and replicating the practical situations in organizations.
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CO2- Generate random numbers and random variates using different techniques.
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CO3- Develop simulation model using heuristic methods.
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CO4- Analysis of Simulation models using input analyzer, and output analyzer.

CO5- Explain Verification and Validation of simulation model.



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Course Outcomes

Programme: Master of Technology

Course Name :A. I. and Applications

Semester: II

Course Code 522211 (22)

CO1 - Design, build, and implement an expert system and to provide solutions to real world problems.

CO2 - Demonstrate fundamental understanding of artificial intelligence (AI) and expert systems.

CO3 - Apply basic principles of AI in solutions that require problem solving, inference, perception, knowledge representation, and learning.

CO4 - Demonstrate awareness and a fundamental understanding of various applications of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.

CO5 - Demonstrate proficiency in applying scientific method to models of machine learning.



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Department of Computer Science & Engineering

Course Outcomes

Programme: Master of Technology

Course Name:Advanced Database Management System

Semester: II

Course Code 522212 (22)

CO1 - Students will be able to design a database based on the given requirements.
CO2 - Students will be able to make projects with knowledge of subject provided to them.
CO3 - Students will be able to write standard query language statements.
CO4 - Students are expected to apply normalization techniques on a given database.
CO5.-Understand the basic concepts and the applications of database systems.



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Department of Computer Science & Engineering

Course Outcomes

Programme: Master of Technology

Course Name: Software Engineering Techniques

Semester: II

Course Code 522213 (22)

CO1 - The student will have a fair idea about the importance of using s/w engg. principals in real life experience.

CO2 - The student will be able to prepare SRS documents.

CO3 - The student will be able to use mathematical models for calculating the size, cost and duration of real life projects.

CO4 - The students will be able to develop quality planning either through procedural as well as quantitative approach.

CO5 - The students will be able to test and maintain software projects.



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Department of Computer Science & Engineering

Course Outcomes

Programme: Master of Technology

Course Name: Computer Graphics & Multimedia

Semester: II

Course Code 522214 (22)

CO1 - Discuss various algorithms for scan conversion and filling of basic objects and their comparative analysis.

CO2 - Use of geometric transformations on graphics objects and their application in composite form.

CO3 - Extract scene with different clipping and transformation methods; also exploring projections and visible surface detection techniques for display of 3D scene on 2D screen.

CO4 - Render projected objects to naturalize the scene in 2D view and use of illumination models for this.

CO5 - Design simple applications using principles of virtual reality.



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Department of Computer Science & Engineering

Course Outcomes

Programme: Master of Technology

Course Name :Neural Networks

Semester: II

Course Code522231 (22)

CO1 - Understand the difference between a biological neuron and artificial neuron.
CO2 - Understand the application areas of neural networks.
CO3 - Understand building blocks of Neural Networks.
CO4 - Develop neural network models.
CO5 - Design and develop applications using neural networks.



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Course Outcomes

Programme: Master of Technology

Course Name: Enterprise Resource Planning

Semester: III

Course Code: 522311 (22)

CO1: Make basic use of Enterprise software, and its role in integrating business functions
CO2: Analyze the strategic options for ERP identification and adoption
CO3: Design the ERP implementation strategies.
CO4: Create reengineered business processes for successful ERP implementation.
CO5: To comprehend the technical aspects of ERP systems;



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Course Outcomes

Programme: Master of Technology

Course Name: Data warehousing and data mining

Semester: III

Course Code: 522333 (22)

CO1: Understand the functionality of the various data mining and data warehousing component.

CO2: Appreciate the strengths and limitations of various data mining and data warehousing models.

CO3: Explain the analyzing techniques of various data.

CO4: Describe different methodologies used in data mining and data warehousing.

CO5: Compare different approaches of data warehousing and data mining with various technologies.