CMR TECHNICAL CAMPUS
UGC AUTONOMOUS
Accredited by NBA & NAAC with 'A' Grade
Approved by AICTE, New Delhi and JNTU, Hyderabad
Kandlakoya, Medchal Road, Hyderabad- 501 401, Telangana

ESTD: 2009

DEPARTMENT OF CSE (AI & ML)

COURSE OUTCOMES FOR R22 REGULATION

II Year I SEMESTER

22MA301BS: Discrete Mathematics

1.Construct precise mathematical proofs.

2.Demonstrate the logic and set theory to formulate precise statements.

3.Solve counting problems on finite and discrete structures.

4.Make use of Elementary Combinatorics.

5.Apply graph theory concepts in solving computing problem.

22AM302PC: Programming with Python

1.Define syntax and semantics in Python.

2.Demonstrate proficiency in handling Strings and Arrays.

3.Develop Python Programs using core data structures.

4.Conduct experiments on file handling, exception handling and module.

5.Appy the concepts of Object-Oriented Programming in Python.

22AM303PC: Computer Organization and Architecture

1.Define the basics of instruction sets and their impact on processor design.

2.Demonstrate the design of the functional units of a digital computer system.

3.Identify cost performance and design trade-offs in designing.

4.Design a pipeline for consistent execution of instructions with minimum hazards.

5.Formulate representations of numbers stored in digital computers.

22AM304PC : Software Engineering

1. Define the end-user requirements into the system.

2. Translate and apply the process model based on software requirements.

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3. Build the design of a systematic models.

4. Categories the testing strategies and generate a report.

5 .Formulate the metrics for process and plan.

22AM305PC: Operating Systems

1.Define the operating system concepts.

2.Compare different CPU Scheduling Algorithms.

3.Analyze process management and synchronization mechanisms.

4.Determine different memory management techniques.

5.Examine file system interface and operations.

22AM306PC : Python Programming Lab

1.Define python syntax, semantics and flow control.

2.Demonstrate proficiency in handling strings, list tuples and arrays.

3 Develop python programs using core data structures.

4 Conduct experiments on file handling, exception handling and modules.

5.Design the application specific codes using python.

22AM307PC: Operating Systems Lab

1.Examine different operating system concepts.

2 Develop C programs using Unix system call.

3 llustrate the following IPC mechanisms.

4 Simulate Page Replacement Algorithms.

5 Demonstrate Deadlock management.

22AM308PC: Software Engineering Lab

1.Translate end-user requirements into system and software requirements.

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2.Design the Software Configuration Management and Risk Management.

3.Measure the high-level design of the system from the software requirements.

4.Develop awareness of testing problems with testing report.

5.Demonstrate the sample project.

22AM309PC : Skill Development Course

1 Define and build a custom website with HTML, CSS, and Bootstrap and little JavaScript.

2. Demonstrate Advanced features of JavaScript and learn about JDBC

3. Develop Server – side implementation using Java technologies like

4. Compile the server – side implementation using Node JS.

5. Design a Single Page Application using React.

22EN310MC: Constitution of India

1 Outline the evolution of Constitution.

2. Relate constitutional fundamentals with the present Era.

3. Analyse Liberalism Federalism and Socialism.

4. Infer the knowledge of Administration and Governance.

5. Appraise and address the role of governments

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II Year II SEMESTER

22AM401PC: Mathematical and Statistical Foundations

1. Define the fundamental theorem of arithmetic and concurrence

2. Apply the number theory concepts to cryptography domain

3. Build the concepts of probability and distributions to some case studies

4. Make use of the material of one unit to the material in other units

5. Compare the potential misconceptions and hazards in each topic of study.

22AM402PC: Automata Theory and Compiler Design

1. Define about the finite state machines for modeling and solving computing problems.

2. Design context free grammars for formal languages.

3. Compare decidability and undecidability.

4. Demonstrate the knowledge of patterns, tokens & regular expressions for lexical analysis.

5. Evaluate skills in using lexical tool and design LR parsers.

22AM403PC: Database Management Systems

1. Design a database conceptually using ER Diagrams.

2. Demonstarte a database using Relational Model.

3. Make use of SQL for managing databases.

4. Funtion different transaction processing and Concurrency control mechanisms

5. Compare different file organization methods.

22AM404PC: Introduction to Artificial Intelligence

1. Formulate an efficient problem space for a problem expressed in natural language.

2. Define search algorithm for a problem solving and estimate the performance analysis.

3. Apply knowledge using the appropriate technique for a given problem.

4. Build AI techniques to solve problems of game playing and machine learning

5. Formulate uncertain problem solving using probability.

22AM405PC: Object Oriented Programming Through Java

1. Solve real world problems using OOP techniques.

2. Apply the packages and interfaces, streams in programs.

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3.Develop exceptions, multithreaded applications with synchronization.

4.Demonstrate the application using collection framework.

5.Design GUI based applications using applets and swing

22AM406PC: Database Management Systems Lab

1.Design database schema for a given application and apply normalization

2.Acquire skills in using SQL commands for data definition and data manipulation.

3.Develop solutions for database applications using procedures.

4.Make use of Cursors and triggers to demonstrate database applications

5.Perform queries using Aggregation function.

22AM407PC: Java Programming Lab

1.Explaine the programs for solving real world problems using Java OOP principles.

2.Design programs using Exceptional Handling approach.

3.Compile program on multithreaded applications.

4.Construct Graphical User Interfaces using applets and swing control

5.Experiment with all mouse events.

22AM409PC: Skill Development Course (Prolog/ Lisp/ Pyswip)

1. Develop the program in Prolog/Lisp/PYSWIP

2. Demonstrate Real time application

3. Slove Real time problems

4. Experiment program using functions

5. Analaze the prolog predicate

22EN410MC: Gender Sensitization Lab

1. Students will have developed a better understanding of important issues related to gender in contemporary India.
2. Students will attain a finer grasp of how gender discrimination works in our society and how to counter it.
3. Students will acquire insight into the gendered division of labour and its relation to politics and economics.
4. Men and women students and professionals will be better equipped to work and live together as equals .
5. Students will develop a sense of appreciation of women in all walks of life