



R. M. D. ENGINEERING COLLEGE
(An Autonomous Institution)
Kavaraipettai
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



REGULATION 2022

| S.No | Course ID | Course Code | Course Name | Course # | Course Outcomes: Upon the completion of the course, a student can able to |
|------|-----------|-------------|--|----------|---|
| 1 | CS201 | 22MA301 | DISCRETE MATHEMATICS | C201.1 | Validate the arguments using connectives and rule of inference |
| | | | | C201.2 | Solve linear recurrence relations |
| | | | | C201.3 | Determine Euler's path and Hamilton paths |
| | | | | C201.4 | Identify algebraic structures of groups, rings, and fields |
| | | | | C201.5 | Interpret lattices as algebraic structures |
| 2 | CS202 | 22CS301 | ADVANCED JAVA PROGRAMMING | C202.1 | Apply collections and IO Streams to efficiently manage and process data structures and perform input/output operations in Java |
| | | | | C202.2 | Apply Java Stream API and Junits to streamline data manipulation and perform unit testing for robust code development. |
| | | | | C202.3 | Develop a Seamlessly integrate object-oriented programming with database operations for web applications using hibernate |
| | | | | C202.4 | Construct the power of the Spring Framework to provide a solid foundation for building scalable and maintainable applications. |
| | | | | C202.5 | Organize application logic, user interface, and data flow using the Spring MVC framework for efficient and modular development. |
| 3 | CS203 | 22CS302 | COMPUTER ORGANIZATION AND ARCHITECTURE | C203.1 | Explain the basic principles and operations of digital computers |
| | | | | C203.2 | Design Arithmetic and Logic Unit to perform fixed and floating-point operations |
| | | | | C203.3 | Develop pipeline architectures for RISC Processors |

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| | | | | C203.4 | Summarize Various Memory systems &I/O interfacings |
| | | | | C203.5 | Recognize Parallel Processor and Multi Processor Architectures |
| 4 | CS204 | 22CS303 | DESIGN AND ANALYSIS OF ALGORITHMS | C204.1 | Solve mathematically the efficiency of recursive and non-recursive algorithms |
| | | | | C204.2 | Design and Analyse the efficiency of divide and conquer and transform and conquer algorithmic techniques |
| | | | | C204.3 | Implement and analyse the problems using dynamic programming |
| | | | | C204.4 | Solve the problems using and greedy technique and iterative improvement technique for optimization |
| | | | | C204.5 | Compute the limitations of algorithmic power and solve the problems using backtracking and branch and bound technique |
| 5 | CS205 | 22CS304 | OPERATING SYSTEM | C205.1 | Implement the basic concepts of operating systems and process |
| | | | | C205.2 | Analyse various CPU scheduling algorithms and thread mechanism |
| | | | | C205.3 | Implement the concepts of process synchronization and deadlocks |
| | | | | C205.4 | Design various memory management schemes to given situation |
| | | | | C205.5 | Implement various I/O and file management techniques |
| 6 | CS206 | 22CS311 | APTITUDE AND CODING SKILLS – I | C206.1 | Develop vocabulary for effective communication and reading skills |
| | | | | C206.2 | Build the logical reasoning and quantitative skills |
| | | | | C206.3 | Develop error correction and debugging skills in programming |
| 7 | CS207 | 22GE311 | PRODUCT DEVELOPMENT LAB – 3 (Design and Analysis Phase) | C207.1 | Enhance their skills in design concepts, rules and procedures |
| | | | | C207.2 | Develop their cognitive strategy to think, organize, learn and behave |
| | | | | C207.3 | Demonstrate the ability to provide conceptual design strategies for a product |
| | | | | C207.4 | Describe the procedure for designing a Mock-up model |
| | | | | C207.5 | Recognize and apply appropriate interdisciplinary and integrative strategies for solving complex problems |

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| 8 | CS208 | 22GE301 | UNIVERSAL HUMAN VALUES II: UNDERSTANDING HARMONY | C208.1 | Would become more aware of themselves, and their surroundings (family, society, nature) |
| | | | | C208.2 | Would become more responsible in life, and in handling problems with sustainable solutions, while keeping human relationships and human nature in mind. |
| | | | | C208.3 | Would have better critical ability |
| | | | | C208.4 | Would become sensitive to their commitment towards what they have understood (human values, human relationship, and human society) |
| | | | | C208.5 | Would be able to apply what they have learnt to their own self in different day-today settings in real life, at least a beginning would be made in this direction. |
| 9 | CS209 | 22GE201 | TAMILS AND TECHNOLOGY | C209.1 | Identify the role of weaving and ceramic technology in ancient Tamil Culture |
| | | | | C209.2 | Assess the design and construction technology ideas in the current Tamil society |
| | | | | C209.3 | Identify the different types of manufacturing technology used in Tamil society and their significance. |
| | | | | C209.4 | Classify agricultural and irrigation technologies in ancient Tamil society and its current relevance |
| | | | | C209.5 | Discuss the fundamentals of scientific Tamil and Tamil computing |