



R.M.K. ENGINEERING COLLEGE

[An Autonomous Institution]

R.S.M Nagar, Kavaraipettai, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu- 601
206 Affiliated to Anna University, Chennai / Approved by AICTE, New Delhi/ Accredited by NAAC
with A+ Grade An ISO 9001:2015 Certified Institution / All the Eligible UG Programs are accredited by NBA,
New Delhi.



Department of Computer Science and Design

Course Outcomes

EVEN Semester 2022-23

Sl. No.	Semester	Theory/ Practical	Course Code / Course Name
1.	4	Theory	20MA402 - Probability and Statistics
2.	4	Theory	20CS907 - Human Computer Interaction
3.	4	Theory	20CS402 - Design and Analysis of Algorithms
4.	4	Theory	20CD401 - Design Programming(Lab Integrated)
5.	4	Theory	20CD402 - Information Design and Visualization
6.	4	Theory	20CD403 - Operating System Design
7.	4	Practical	20CD411 - Information Design and Visualization Laboratory
8.	4	Practical	20CD412 - Operating System Design Laboratory
9.	4	Practical	20CD413 - Internship
10.	4	Practical	20CS414 - Aptitude and Coding Skills – II

EVEN Semester 2022-23

4th Semester B.E. Computer Science and Design

20MA402- Probability And Statistics

Cos

Course Outcome : The students, after the completion of the course, are expected to

CO1: Understand the fundamental knowledge of modern probability theory and standard Distributions.

CO2: Categorize the probability models and function of random variables based on one and two Dimensional random variables.

CO3: Employ the concept of testing the hypothesis in real life problems.

CO4: Implement the analysis of variance for real life problems.

CO5: Apply statistical quality control in engineering and management problems.

20CS907- Human Computer Interaction

Cos	Course Outcome : The students, after the completion of the course, are expected to
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CO1: Enumerate the basic concepts of human, computer interactions

CO2: Inspect software design process in human computer interaction

CO3: Examine various models and theories related to human computer interaction

CO4: Build meaningful user interface

CO5: Establish the different levels of communication across the application stakeholders.

20CS402- Design And Analysis Of Algorithms

Cos	Course Outcome : The students, after the completion of the course, are expected to
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CO1: Analyze the efficiency of recursive and non-recursive algorithms mathematically

CO2: Explain brute force and divide and conquer design techniques.

CO3: Apply dynamic programming and greedy techniques for solving various problems.

CO4: Use iterative improvement technique to solve optimization problems

CO5: Examine the limitations of algorithmic power and handle it in different problems.

20CD401- Design Programming (Lab Integrated)

COs	Course Outcome : The students, after the completion of the course, are expected to
CO1: Learn about Blender interface	
CO2: Understand Texture Mapping and Rendering	
CO3: Analyze Text to Mesh Object and Curve conversion	
CO4: Know the scripting fundamentals	
CO5: Understand accessing game objects	

20CD402- Information Design And Visualization	
COs	Course Outcome : The students, after the completion of the course, are expected to
CO1: Identify the characteristics of Design Fundamentals	
CO2: Understand the design controlling process.	
CO3: Apply the python libraries for Visualization	
CO4: Examine the data visualization process	
CO5: Describe the methods of a visualization model	

20CD403- Operating System Design	
COs	Course Outcome : The students, after the completion of the course, are expected to
CO1: Understand the basics of Operating Systems	
CO2: Understand deadlock, prevention and avoidance algorithms.	
CO3: Compare and contrast various memory management schemes.	
CO4: Understand the functionality of file systems and Perform administrative tasks on Linux Servers.	
CO5: Compare iOS and Android Operating Systems.	

Laboratory

COs **Course Outcome : The students, after the completion of the course, are expected to**

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CO1:	Apply adobe illustrator for image techniques
CO2:	Implement transformation process in computer design
CO3:	Apply fundamentals of data visualization with python libraries
CO4:	Implement basic classification algorithms with visualization
techniques CO5:	Apply Real time dataset using visualization tools.

20CD412- Operating System Design Laboratory	
COs	Course Outcome : The students, after the completion of the course, are expected to
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CO1:	Compare the performance of various CPU Scheduling Algorithms
CO2:	Implement Deadlock avoidance and Detection algorithms.
CO3:	Implement Semaphores and Create processes and implement IPC
CO4:	Analyze the performance of the various Page Replacement Algorithms.
CO5:	Implement File Organization and File Allocation Strategies.

20CS414- Aptitude And Coding Skills – Ii	
COs	Course Outcome : The students, after the completion of the course, are expected to
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CO1:	Develop advanced vocabulary for effective communication and reading skills.
CO2:	Build an enhanced level of logical reasoning and quantitative skills.
CO3:	Develop error correction and debugging skills in programming.
CO4:	Apply data structures and algorithms in problem solving.