

PROGRAM STRUCTURE

I SEMESTER

S. No	Course Code	Name of the Course	Employability	Skill Development	Entrepreneurship	Remarks
1	203MC1T01	Business Communication	✓			Students are able to demonstrate competency in the domain of computers extension and business management enabling them to become an entrepreneur.
2	203MC1T02	Mathematical and Statistical Foundations		✓		Students are able to demonstrate problem solving skills by modelling physical phenomenon using differential equations, system of linear equations in various engineering disciplines.
3	203MC1T03	Computer Organization & Operating Systems	✓			Students are nurtured with the internal organization and functioning of Computer System and enabling them to get employed in the hardware sectors of computers.
4	203MC1T04	Data Structures		✓		Students are able to demonstrate the learn different sorting searching algorithms and data structures like stack, queue, linked list, Trees and Graphs.
5	203MC1T05	Object Oriented Programming with JAVA		✓		Students are able to demonstrate Problem solving skills to analyze the real time problem, and creative solutions using JAVA Programming language.
6	203MC1L01	Operating Systems and Linux Lab		✓		Students are able to demonstrate the basic knowledge in the operating system and Linux OS, which is very much essential for the career growth
7	203MC1L02	Data Structures Lab		✓		Students are able to demonstrate the data structures helps to gain problem-solving skills i.e. to solve a problem in a logical as well

						as creative way.
8	203MC1L03	JAVA Programming Lab		✓		Students are able to gain problem-solving skills i.e. to solve a problem in a logical as well as creative way using Java programming language.
9	203MC1P01	Socially Relevant Project using Design Thinking		✓		Students are able to analyse the real time problem analysis, and find the solutions in creative way.

II SEMESTER

S. No	Course Code	Name of the Course	Employability	Skill Development	Entrepreneurship	Remarks
10	203MC2T06	Database Management Systems		✓		Students are able to demonstrate Problem solving skills to analyze the Data Base Management Systems to gain knowledge in a structured way to store and retrieve the data in effective way.
11	203MC2T07	Computer Networks		✓		Students are able to demonstrate Problem solving skills to analyze basics of CN, different models of Computer Networks, layers protocol suite and Detailed study of the OSI reference model and the TCP IP architectures.
12	203MC2T08	Software Engineering And Design Patterns				
13	203MC2T09	Data Warehousing And Mining		✓		Students are able to demonstrate Problem solving skills to analyze the Data warehousing is a method of organizing and compiling data into one database.
14	203MC2E02	Design And Analysis Of Algorithms				
15	203MC2L04	Dbms Lab		✓		Students are able to demonstrate Problem solving skills to gain problem-solving skills i.e. to solve a problem in a logical as well as creative way using DBMS.
16	203MC2L05	Computer Networks Lab		✓		Students are able to demonstrate Problem solving skills to gain problem-solving skills i.e. to solve a problem in a logical as well as creative way using computer networks.

17	203MC2L06	Software Engineering And Design Patterns Lab		✓		Students are able to demonstrate Problem solving skills to analyze the software engineering and design patterns to achieve the “best” design of software's by imparting the suitable design pattern.
18	203MC2T10	Employability Skills	✓			The students can able to learn solving problems in creatively and can communicate effectively.

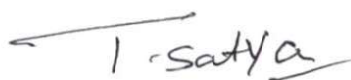
III SEMESTER

S. No	Course Code	Name of the Course	Employability	Skill Development	Entrepreneurship	Remarks
19	203MC3T11	Machine Learning With Python	✓			Students are able to acquire skills related to data science algorithms, enabling them to be employed as data scientists.
20	203MC3T12	Internet Of Things	✓			Students will be able to acquire technical skills to develop real time IOT devices which can be used in the field of medicine, agriculture, Vigilance, safety and security services which enable them to be employed as IOT developer.
21	203MC3T13	Web Technologies	✓			Students are able to acquire skills related to developing web pages, enabling them to be employed as front end developers.
22	203MC3T14	Cryptography And Network Security				
23	203MC3E08	Cloud Computing				
24	203MC3L07	Machine Learning With Python Lab	✓			Students are able to acquire skills related to data science algorithms, enabling them to be employed as data scientists.
25	203MC3L08	Iot Lab	✓			Students are able to acquire skills related to Internet of Things and enabling them to be employed for IoT sector.
26	203MC3L09	Web Technologies Lab	✓			Students are able to acquire skills related to developing web pages, enabling them to be employed as front end developers.


27	203MC3P02	Internship / Industry Oriented Mini Project/ Skill Development Course	✓			students will be able to demonstrate problem identification, analysis, design solutions or applications in electronics and communication domain through the acquired technical, cognitive, communication and creative skills to address societal needs.
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IV SEMESTER

S. No	Course Code	Name of the Course	Employability	Skill Development	Entrepreneurship	Remarks
28	203MC4E13	Deep Learning	✓			Students are able to acquire skills related to Deep learning, to analysis of different Deep learning algorithms and solving process in creative way.
29	203MC4E18	Big Data Analytics	✓			Students Are Able To Acquire Technical Skills To Work With Data On Cloud Using PIG And HIVE Tools Which Enable Them To Be Employed As Big Data Analyst.
30	203MC4P03	Project Work/ Dissertation	✓			Students Will Be Able To Demonstrate Problem Identification, Analysis, Design Solutions Or Applications In Electronics And Communication Domain Through The Acquired Technical, Cognitive, Communication And Creative Skills To Address Societal Needs.
Total No.Courses		30	13	13	0	



Program Coordinator


 Head of the Department
 Head of the Department
 Department of MCA
 Jyoti Engineering College