



**Criterion** : II – Teaching-Learning and Evaluation

**Metric** : 2.6.1 – Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) – M. SC (CS&IT)

**Year** : 2015 - 2020



## FATIMA COLLEGE (AUTONOMOUS), MADURAI – 625018

**NAME OF THE PROGRAMME: M. SC (CS & IT)**

**PROGRAMME CODE: PSCI**

### COURSE OBJECTIVES:

**2015 - 2016**

COURSE CODE	COURSE TITLE	COURSE OBJECTIVES
MCT318	Client Server Computing	<ul style="list-style-type: none"> <li>Describe the concepts of programming for networking, including, multithreading, delegate and event handling.</li> <li>Analyse different server configurations.</li> <li>Evaluate various networking concepts.</li> <li>Apply various development and deployment techniques.</li> <li>Analyse various trends in client server computing</li> </ul>
MCT319	JAVA & J2EE	<ul style="list-style-type: none"> <li>Understand the concepts of Object-Oriented Programming &amp; Java Programming Constructs.</li> <li>Understand basic concepts of Java such as operators, classes, objects, inheritance, packages, Enumeration and</li> </ul>



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		<p>various keywords.</p> <ul style="list-style-type: none"> <li>• Understand the concept of packages, threads, exceptions.</li> <li>• Design Java &amp; Java applet based applications.</li> <li>• Design JDBC related applications.</li> </ul>
MCT320	Mobile Computing and Wi-Fi technology	<ul style="list-style-type: none"> <li>• Understand the infrastructure to develop mobile communication systems.</li> <li>• Identify the characteristics of different multiple access techniques in mobile communication.</li> <li>• Analyse the measures GSM systems and the entire protocol architecture of GSM.</li> <li>• Understand the GPRS technologies and architecture for communication using Mobile Devices.</li> <li>• Illustrate ad-hoc and sensor networks.</li> </ul>
MCT321A	Web Technology	<ul style="list-style-type: none"> <li>• Explain Various HTML &amp; DHTML tags.</li> <li>• Understand VbScript.</li> <li>• Know JSP concepts</li> <li>• Demonstrate asp.net concepts.</li> <li>• Develop WebPages with database.</li> </ul>



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MCT321B	Linux Shell Programming	<ul style="list-style-type: none"> <li>• Know the concept of Shell programming.</li> <li>• Implement various concepts with files.</li> <li>• Understand Linux Environment.</li> <li>• Recognize the concept of terminal and implement threads concept.</li> <li>• Use Text based screens</li> </ul>
MCT321C	Organisational Behaviour	<ul style="list-style-type: none"> <li>• Demonstrate the applicability of the concept of organizational behaviour to understand the behaviour of people in the organization.</li> <li>• Demonstrate the applicability of analysing the complexities associated with management of individual behaviour in the organization.</li> <li>• Analyse the complexities associated with management of the group behaviour in the organization.</li> <li>• Demonstrate how the organizational behaviour can integrate in understanding the motivation behind behaviour of people in the organization.</li> <li>• Analyse various conflict management techniques.</li> </ul>



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MCT322B	Image Processing	<ul style="list-style-type: none"> <li>• Illustrate the fundamental concepts of digital image processing system.</li> <li>• Categorize various applications of digital image processing in various fields.</li> <li>• Discuss the various mathematical tools used in digital image processing.</li> <li>• Interpret basic compression methods.</li> <li>• Analyse different image segmentation techniques.</li> </ul>
MCT322C	Cryptography and Information Security	<ul style="list-style-type: none"> <li>• Understands the basic concepts of security</li> <li>• Analyse various cryptographic algorithms while applying practically.</li> <li>• Identify email and IP security.</li> <li>• Compare different web security techniques.</li> <li>• Summarize the concepts of firewall and viruses.</li> </ul>
MCT322A	Enterprise Resource Planning	<ul style="list-style-type: none"> <li>• Demonstrate a good understanding of basic issues in Enterprise Systems</li> <li>• Explain the scope of common Enterprise Systems</li> <li>• Analyse the challenges associated with implementing</li> </ul>





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		<p>enterprise systems and their impacts on organisations</p> <ul style="list-style-type: none"> <li>Describe the selection, acquisition and implementation of enterprise systems Communicate and assess an organisation's readiness for enterprise system implementation with a professional approach in written form.</li> <li>Demonstrate an ability to work independently and in a group.</li> </ul>
MCT323	Object Oriented Analysis and Design	<ul style="list-style-type: none"> <li>Understand the complexity of Industrial Strength Software and the application of Unified Process Model.</li> <li>Identify classes and objects using Object Oriented Analysis techniques</li> <li>Develop new classes from the problem domain by applying object oriented design principles</li> <li>Incorporate design patterns to create classes with reusability and extensibility.</li> <li>Design different design documents to show logical view using UML for any given application</li> </ul>



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MCT324	Lab V Advanced JAVA Programming	<ul style="list-style-type: none"> <li>• Implement Object Oriented programming concept using operators and control Structures..</li> <li>• Design java programs using inheritance, interfaces and packages.</li> <li>• Implement exception handling mechanism and multithreading concept.</li> <li>• Design Java applet based applications.</li> <li>• Design applications to Handle Events using AWT components.</li> </ul>
MCT325	Lab VI Web Designing	<ul style="list-style-type: none"> <li>• Explain Various HTML tags.</li> <li>• Design WebPages with DHTML.</li> <li>• Design Web pages using VB script.</li> <li>• Develop client side Scripting using VB script.</li> <li>• Develop WebPages with ASP.NET</li> </ul>
MCT 428	Special Course II- PHP & MYSQL	<ul style="list-style-type: none"> <li>• Understand basic PHP syntax.</li> <li>• Apply MySQL commands.</li> <li>• Analyse various error handling and debugging techniques.</li> <li>• Design PHP programming with MySQL database.</li> <li>• Develop WebPages with PHP.</li> </ul>