

Post Graduate Department of Computer Sciences,  
The University of Kashmir,  
Srinagar - 190006



Curriculum and Evaluation Scheme for  
Master of Technology in  
Computer Science

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*AI*

*10/11/11*  
*10/Nov/2018*

*Shahid*

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*Hyderat*

2018 – 2020

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*Wazir*

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**Structure of Curriculum for M. Tech. in Computer Science**

Semester-I (24 Credit unit Semester)						
Course Code	Course name	Category	Hours / Week			Credits
			L	T	P	
<b>CORE SUBJECTS</b>						
CSE511	Database Management Systems	Core	4	0	0	4
CSE512	Lab Database Management Systems	Core	0	0	4	2
CSE513	Data Structures using C++	Core	4	0	0	4
CSE514	Lab Data Structures using C++	Core	0	0	4	2
CSE515	Artificial Intelligence	Core	4	0	0	4
<b>ELECTIVE SUBJECTS</b>						
CSE516x	Elective 1	Elective	4	0	0	4
CSE516x	Elective 2	Elective	4	0	0	4

**List of Elective Subjects:**

- i) CSE5161 Data Communications
- ii) CSE5162 Embedded Systems
- iii) CSE5163 Engineering Mathematics

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M. Tech. Syllabus –P.G. Dept. of Computer Science, University of Kashmir

Semester-II (24 Credit unit Semester)						
Course Code	Course name	Category	Hours / Week			Credits
			L	T	P	
<b>CORE SUBJECTS</b>						
CSE521	Network Protocols and Security	Core	4	0	0	4
CSE522	Lab Network Protocols and Security	Core	0	0	4	2
CSE523	Image Processing	Core	4	0	0	4
CSE524	Lab Image processing	Core	0	0	4	2
CSE525	Machine Learning	Core	4	0	0	4
<b>ELECTIVE SUBJECTS</b>						
CSE526x	Elective 1	Elective	4	0	0	4
CSE526x	Elective 2	Elective	4	0	0	4

List of Elective Subjects:

- iv) CSE5261 Algorithms and Complexity
- v) CSE5262 Software Reliability Engineering
- vi) CSE5263 Optimization Techniques

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M. Tech. Syllabus –P.G. Dept. of Computer Science, University of Kashmir

Semester-III (24 Credit unit Semester)						
Course Code	Course name	Category	Hours / Week			Credits
			L	T	P	
<b>CORE SUBJECTS</b>						
CSE531	Minor Project	Core	0	4	0	4
CSE532	Parallel and Distributed Algorithms	Core	4	0	0	4
CSE533	Real Time Operating Systems	Core	4	0	0	4
CSE534	Wireless and Mobile Computing	Core	4	0	0	4
<b>ELECTIVE SUBJECTS</b>						
CSE535x	Elective 1	Elective	4	0	0	4
CSE535x	Elective 2	Elective	4	0	0	4

List of Elective Subjects:

- i) CSE5351 Cloud Computing
- ii) CSE5352 Network Security
- iii) CSE5353 Natural Language Processing

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Semester-IV(24 Credit unit Semester)						
Course Code	Course name	Category	Hours / Week			Credits
			L	T	P	
<b>CORE SUBJECTS</b>						
CSE541	Major Project Problem Identification	Core	0	2	0	2
CSE542	Major Project Problem Analysis	Core	0	4	0	4
CSE543	Major Project Software Development	Core	0	6	0	6
CSE544	Major Project Research Component	Core	0	6	0	6
CSE545	Major Project Dissertation	Core	0	6	0	6

The section contains several handwritten signatures and initials in blue ink. One signature is clearly legible as "Hyder Abbas". Other signatures are more stylized and difficult to decipher. There is also a green box containing the letters "MI".

A single handwritten signature in blue ink located at the bottom center of the page.