

M-Tech 2015 Admission

Department : **Computer Science**

Stream : **Cyber Forensics and Information Security**

Semester 1 (23 credits)

Sl. No.	Course Number	Name	L-T-P	Marks Internal	End Semester Examination		Credit
					Marks	(hours) Duration	
A	01CS601	Engineering Mathematics and Statistics for Forensic Science	4-0-0	50	50	3	4
B	01CS603	Computer Algorithms	4-0-0	50	50	3	4
C	01CS607	Cyber Forensics Basics	4-0-0	50	50	3	4
D	01CS609	Information Security Basics	3-0-0	50	50	3	3
E		Elective 1	3-0-0	50	50	3	3
		Research Methodology	1-1-0	100	0	0	2
		Seminar	0-0-2	100	0	0	2
		Forensics Laboratory	0-0-2	100	0	0	1
		TOTAL		550	250	-	23

Elective 1

- 01CS611 File System Forensic Analysis
- 01CS613 Applied Cryptography
- 01CS615 Malware Forensics
- 01CS617 Cloud Computing and Security

Semester 2 (21 credits)

Examination Slot	Course Number	Name	L-T-P	MarksInternal	End Semester Examination		Credit
					Marks	(hours)Duration	
A	01CS602	Network and Wireless Security	4-0-0	50	50	3	4
B	01CS604	Operating Systems Security	4-0-0	50	50	3	4
C	01CS606	Ethical Hacking	4-0-0	50	50	3	4
D		Elective 2	3-0-0	50	50	3	3
E		Elective 3	3-0-0	50	50	3	3
		Mini Project	0-0-4	100	0	0	2
		Security Laboratory	0-0-2	100	0	0	1
		TOTAL		450	250	-	21

Electives 2 & 3

- 01CS608 Theory of Computation
- 01CS610 Windows and Linux Forensics
- 01CS612 Image Forensics and Security
- 01CS614 Coding Theory
- 01CS616 Virtual Forensics and Security
- 01CS618 Web Security Testing

Semester 3 (14 Credits)

Examination Slot	Course Number	Name	L-T-P	Internal Marks	End Semester Examination		Credit
					Marks	(hours)Duration	
A	01CS70 1	Elective 4	3-0-0	50	50	3	3
B	01CS70 3	Elective 5	3-0-0	50	50	3	3
C	01CS70 5	Seminar	0-0-2	100	0	3	2
D	01CS70 7	Project (Phase 1)	0-0-8	50	50	3	6
		TOTAL		250	150	-	14

Electives 4 & 5

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|---|---------------------------------|---|--|
| - | 01CS709 Operating System Design | - | 01CS717 Neural Networks |
| - | 01CS711 Biometric Security | - | 01CS719 Security Policies and Governance |
| - | 01CS713 Data Compression | - | 01CS721 Cyber Crime and Legal Issues |
| - | 01CS715 Parallel Algorithm | - | |

Semester 4 (12 Credits)

Examination Slot	Course Number	Name	L-T-P	Internal Marks	End Semester Examination		Credit
					Marks	(hours)Duration	
A	702	Project (Phase 2)	0-0-21	100	100	0	12
		TOTAL		100	100	-	12

Total Credits: 70