

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2016-2017
M.Tech (Cyber Forensics and Information Security)

II Semester

CREDIT BASED

Subject Code	Name of the Subject	Teaching hours/week		Duration of Exam in Hours	Marks for		Total Marks	CREDITS
		Lecture	Practical / Field Work / Assignment/ Tutorials		I.A.	Exam		
16SFC21	Preserving and Recovering Digital Evidence	4	--	3	20	80	100	4
16SFC22	Operating System Security	4	--	3	20	80	100	4
16SFC23	Secured Programming	4	--	3	20	80	100	4
16SFC24	Cyber Laws and Ethics	4	--	3	20	80	100	4
16SFC25x	Electives -II	4	--	3	20	80	100	3
16SFC26	Mini project	--	3(2 hrs lab+ 1 hr instruction)	3	20	80	100	2
16SFC27	Seminar	--	--	--	100	--	100	1
Total		20	3	18	220	480	700	22

Course Elective II	
16SFC251	Biometric Security
16SFC252	Test Management in E-commerce
16SFC253	Information Security Policies in Industry
16SFC254	Database Security

Mini-project Evaluation: Will be notified at the earliest.

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III SEMESTER: Internship

CREDIT BASED

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theory	Practical/Field Work/Assignment	Duration	I.A. Marks	Theory/Practical Marks	Total Marks	
1	16SFC31	Seminar / Presentation on Internship (After 8 weeks from the date of commencement)	-	-	-	25	-	25	20
2	16SFC32	Report on Internship	-	-	-	25	-	25	
3	16SFC33	Evaluation and Viva-Voce of Internship	-	-	-	-	50	50	
4	16SFC34	Evaluation of Project phase -1	-	-	-	50	-	50	1
TOTAL			-	-	-	100	50	150	21

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IV SEMESTER

CREDIT BASED

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theory	Practical/Field Work/Assignment	Duration	I.A. Marks	Theory/Practical Marks	Total Marks	
1	16SFC41	File System Forensic Analysis	4	-	3	20	80	100	4
2	16SFC42X	Elective-III	3	-	3	20	80	100	3
3	16SFC43	Evaluation of Project phase -2	-	-	-	50	-	50	3
4	16SFC44	Evaluation of Project and Viva-Voce	-	-	-	-	100+100	200	10
TOTAL			7	-	6	90	360	450	20

Elective	
16SFC421	Security Architecture Design
16SFC422	Steganography and Digital Watermarking
16SFC423	Mobile Device Forensics
16SFC424	Security Assessment and Verification

Note:

- 1. Project Phase-1:** 6-week duration shall be carried out between 2nd and 3rd Semester vacation. Candidates in consultation with the guide shall carry out literature survey/visit industries to finalize the topic of Project.
- 2. Project Phase-2:** 16-week duration during 4th semester. Evaluation shall be done by the committee constituted comprising of HoD as Chairman, Guide and Senior faculty of the department.
- 3. Project Evaluation:** Evaluation shall be taken up at the end of 4th semester. Project work evaluation and Viva-Voce examination shall be conducted
- 4. Project evaluation:**
 - a. Internal Examiner shall carry out the evaluation for 100 marks.
 - b. External Examiner shall carry out the evaluation for 100 marks.
 - c. The average of marks allotted by the internal and external examiner shall be the final marks of the project evaluation.
 - d. Viva-Voce examination of Project work shall be conducted jointly by Internal and External examiner for 100 marks.