

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM**  
**CHOICE BASED CREDIT SYSTEM (CBCS)**  
**SCHEME OF TEACHING AND EXAMINATION 2016-2017**  
M. Tech (Computer Network Engineering)

**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		
16SCN21	Multimedia Communications	4	--	3	20	80	100	4
16SCN22	Cloud Computing	4	--	3	20	80	100	4
16SCN23	Network Management	4	--	3	20	80	100	4
16SCN24	Managing Big Data	4	--	3	20	80	100	4
16SCN25x	Course Electives – II	4	--	3	20	80	100	3
16SCN26	Mini-project	--	<b>3 hrs lab</b>	3	20	80	100	2
16SCN27	Seminar	--	--	--	100	--	100	1
<b>Total</b>		<b>20</b>	<b>3</b>	<b>18</b>	<b>220</b>	<b>480</b>	<b>700</b>	<b>22</b>

<b>Course Elective II</b>	
16SCN251	Switching & Statistical Multiplexing In Telecommunications
16SCN252	Wireless Sensor Networks
16SCN253	Optical networks
16SCN254	Mobile application development

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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	16SCN31	Seminar / Presentation on Internship (After 8 weeks from the date of commencement)	-	-	-	25	-	25	20
2	16SCN32	Report on Internship	-	-	-	25	-	25	
3	16SCN33	Evaluation and Viva-Voce of Internship	-	-	-	-	50	50	
4	16SCN34	Evaluation of Project phase -1	-	-	-	50	-	50	1
<b>TOTAL</b>			-	-	-	<b>100</b>	<b>50</b>	<b>150</b>	<b>21</b>

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M. Tech (Computer Network Engineering)

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	16SCN41	Client Server Programming	4	-	3	20	80	100	4
2	16SCN42x	Course Electives-III	3	-	3	20	80	100	3
3	16SCN43	Evaluation of Project phase -2	-	-	-	50	-	50	3
4	16SCN44	Evaluation of Project and Viva-Voce	-	-	-	-	100+100	200	10
<b>TOTAL</b>			<b>7</b>	<b>-</b>	<b>6</b>	<b>90</b>	<b>360</b>	<b>450</b>	<b>20</b>

Elective	
16SCN421	Service Oriented Architecture
16SCN422	Analysis of Computer Networks
16SCN423	Network Routing Algorithm
16SCN424	Web Mining

**Note:**

- 1. Project Phase-1:** 6-week duration shall be carried out between 2<sup>nd</sup> and 3<sup>rd</sup> 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 4<sup>th</sup> 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 4<sup>th</sup> 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