

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016
B.E. Telecommunication Engineering

V SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credits
			Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15XX51	Management and Entrepreneurship / Project Management and Economics	04		03	80	20	100	4
2	15XX52	Digital Signal Processing	04		03	80	20	100	4
3	15XX53	Microwaves and Antennas	04		03	80	20	100	4
4	15XX54	Information Theory and Coding	04		03	80	20	100	4
5	15XX55X	Professional Elective-1	03		03	80	20	100	3
6	15XX56X	Open Elective-1	03		03	80	20	100	3
7	15XXL57	DSP Lab		1I+2P	03	80	20	100	2
8	15XXL58	Microwave and Antenna Lab		1I+2P	03	80	20	100	2
TOTAL			22	06	24	640	160	800	26

Professional Elective		Open Elective	
15XX551	Transmission Lines and Wave Guides	15XX561	Virtual Instrumentation
15XX552	Artificial Neural Networks	15XX562	Robotics
15XX553	Computer Organization	15XX563	Automotive Electronics
15XX554	Operating System	15XX564	Software Engineering
15XX555	Engineering Materials	15XX565	Programming in C++
15XX555		15XX566	Laser Physics and Non-linear Optics

1. Professional Elective: Elective relevant to chosen specialization/ branch

Last date for Feedback is on or before 09th May 2017

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016
B.E. Telecommunication Engineering

2. Open Elective: Electives from other technical and/or emerging subject areas. There could be some more open electives of interdisciplinary nature that would be offered by other branches, which will be notified and list will be finalized later.

VI SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credits
			Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15XX61	Digital Communication	04		03	80	20	100	4
2	15XX62	Embedded Systems	04		03	80	20	100	4
3	15XX63	HDL	04		03	80	20	100	4
4	15XX64	Computer Communication Networks	03		03	80	20	100	4
5	15XX65X	Professional Elective-2	03		03	80	20	100	3
6	15XX66X	Open Elective-2	03	1I+2P	03	80	20	100	3
7	15XXL67	Embedded Systems Lab.		1I+2P	03	80	20	100	2
8	15XXL68	HDL lab		1I+2P	03	80	20	100	2
TOTAL			22	6	24	640	160	800	26

Professional Elective		Open Elective	
15XX651	Medical Electronics	15XX661	Mechatronics
15XX652	Nano Electronics	15XX662	Data Structures Using C++
15XX653	Image Processing	15XX663	Artificial Intelligence
15XX654	Digital System design using Verilog	15XX664	Big Data Analytics
15XX655	Radio Frequency ICs	15XX665	JAVA & CGI programming
15XX656	Digital Switching Systems	15XX666	Management Information Systems
		15XX667	Cloud Computing

Last date for Feedback is on or before 09th May 2017

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016
B.E. Telecommunication Engineering

		15XX668	Advanced Physics for Engineers
--	--	---------	--------------------------------

1. Professional Elective: Elective relevant to chosen specialization/ branch

2. Open Elective: Electives from other technical and/or emerging subject areas. There could be some more open electives of interdisciplinary nature that would be offered by other branches, which will be notified and list will be finalized later.

VII SEMESTER

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				
			Theory	Practical/ Drawing	Duration	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15XX71	Cellular Wireless Communication	04		03	20	80	100	4
2	15XX72	Satellite Communication	04		03	20	80	100	4
3	15XX73	Multimedia Communication	04		03	20	80	100	4
4	15XX74X	Professional Elective-3	03		03	20	80	100	3
5	15XX75X	Professional Elective-4	03		03	20	80	100	3
6	15XXL76	Advanced communication Lab		1I+2P	03	20	80	100	2
7	15XXL77	CCN Lab		1I+2P	03	20	80	100	2
8	15XXP78	Project Work Phase – I + Seminar		-		100	-	100	2
TOTAL			18	6	21	240	560	800	24

Professional Elective-3		Professional Elective-4	
15XX741	Radar Engineering	15XX751	DSP Architecture
15XX742	Biomedical Signal Processing	15XX752	Network programming
15XX743	Fiber Optics and ATM networks	15XX753	Wireless sensor networks

Last date for Feedback is on or before 09th May 2017

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016
B.E. Telecommunication Engineering

15XX744	Real Time Systems	15XX754	Advanced Computer Architecture
15XX745	CMOS VLSI	15XX755	Adaptive Signal Processing
15XX746	Modelling and Analysis of Communications Networks		

1. Project Phase –I + Seminar: Literature Survey, Problem Identification, objectives and Methodology. Submission of synopsis and seminar.

Sl. No	Subject Code	Title	Teaching Hours /Week		Examination				Credit
			Theory	Practical/ Drawing	Durati on	I.A. Marks	Theory/ Practical Marks	Total Marks	
1	15XX81	Broad Band Wireless Communication	4	-	3	20	80	100	4
2	15XX82	Cryptography and Network Security	4	-	3	20	80	100	4
3	15XX83X	Professional Elective-5	3	-	3	20	80	100	3
4	15XX84	Internship	Industry Oriented		3	50	50	100	2
5	15XXP85	Project Work	-	6	3	100	100	200	6
6	15XXS86	Seminar	-	4	-	100	-	100	1
TOTAL			11	10	15	310	390	700	20

Professional Elective -5	
15XX831	MEMS
15XX832	GPS & Localization
15XX833	Machine Learning
15XX834	Wireline Communication
15XX835	Satellite Remote Sensing
15XX836	Low Power VLSI

Last date for Feedback is on or before 09th May 2017

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
CHOICE BASED CREDIT SYSTEM (CBCS)
SCHEME OF TEACHING AND EXAMINATION 2015-2016
B.E. Telecommunication Engineering

1. Internship / Professional Practice: To be carried between the 6th and 7th semester vacation or 7th and 8th semester vacation period.

Last date for Feedback is on or before 09th May 2017