

B. Tech. (Electronics) – 2014 Course

Semester- I					Contact Hours: 30 Hrs/week Total Credits: 25 Total Marks: 700						
Sr. no.	Subject	Teaching Scheme(Hrs)			Examination Scheme (Marks)					Total Marks	Total Credits
		L	P	T	End Semester Exam	Continuous Assessment			TW		
1	Engineering Mathematics-I	3	1	0	60	20	10	10	-	100	4
2	Fundamentals of Civil Engineering	3	0	2	60	20	10	10	25	125	4
3	Engineering Graphics	4	0	2	60	20	10	10	25	125	5
4	Engineering Chemistry	4	0	2	60	20	10	10	25	125	5
5	Elements of Electronics Engineering	3	0	2	60	20	10	10	25	125	4
6	Professional Skill Development-I	2	0	0	30	0	20	0	0	50	2
7	Workshop Technology	0	0	2	0	0	0	0	50	50	1
	Total	19	01	10	330	100	70	50	150	700	25

Note:

1. Sem-I & Sem-II are common to the branches (Electronics, Biomedical & E & T/C)
2. * indicates subjects common to the branches (Electronics, Biomedical & E & T/C)
3. ** indicates subjects common to the branches (Electronics & E & T/C)
4. Engineering Mathematics –I, II, III are common to the branches (Electronics, Biomedical & E & T/C)
5. Internal assessment of 40 marks comprises of 20 marks average of two Unit tests, 10 marks tutorials/assignments and 10 marks attendance

B. Tech. (Electronics) – 2014 Course

Semester- II											
Contact Hours: 30 Hrs/week											
Total Credits: 25											
Total Marks: 700											
Subject Code	Subject	Teaching Scheme(Hrs)			Examination Scheme (Marks)					Total Marks	Total Credits
		L	T	P	End Semester Exam	Continuous Assessment			TW		
						Unit test	Tutorials / Assignments	Attendance			
8	Engineering Mathematics -II	3	1	0	60	20	10	10	-	100	4
9	Fundamentals of Mechanical Engineering	3	0	2	60	20	10	10	25	125	4
10	Fundamentals of Engineering Mechanics	4	0	2	60	20	10	10	25	125	5
11	Engineering Physics	4	0	2	60	20	10	10	25	125	5
12	Fundamentals of Electrical Engineering	3	0	2	60	20	10	10	25	125	4
13	Professional Skill Development-II	2	0	0	30	0	20	0	0	50	2
14	Fundamentals of Computing	0	0	2	0	0	0	0	50	50	1
	Total	19	01	10	330	100	70	50	150	700	25

Bharati Vidyapeeth University, Pune
Faculty of Engineering & Technology
Programme : B.Tech (Electronics) Sem – III (2014 Course)

Sr. No.	Name of the course	Teaching Scheme Hrs. / Week			Examination Scheme (Marks)						Total Marks	Credits		
		L	P	T	End Semester Exam	Continuous Assessment			TW & PR	TW & OR		Theory	TW	Total Credit s
						Unit Test	Attendance	Assignments						
15	Engineering Mathematics-III	3	0	1	60	20	10	10	-	-	100	4	-	4
16	Analog Electronics	4	2	0	60	20	10	10	50	-	150	4	1	5
17	Signals & Systems	3	2	0	60	20	10	10	-	50	150	3	1	4
18	Digital Logic Circuits	3	2	0	60	20	10	10	50	-	150	3	1	4
19	Circuit theory	3	2	0	60	20	10	10	50	-	150	3	1	4
20	Professional Skill Development-III	4	0	0	100	0	00	0	-	-	100	4	0	4

	Total	20	8	1	400	100	50	50	150	50	800	21	04	25
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Bharati Vidyapeeth University, Pune
Faculty of Engineering & Technology
Programme : B.Tech (Electronics) Sem – IV (2014 Course)

Sr. No.	Name of the course	Teaching Scheme Hrs. / Week			Examination Scheme (Marks)						Total Marks	Credits		
		L	P	T	End Semester Exam	Continuous Assessment			TW & PR	TW & OR		Theory	TW	Total Credits
						Unit Test	Attendance	Assignments						
21	Analog integrated circuits	3	2	0	60	20	10	10	50	-	150	3	1	4
22	Electronic Circuits and Applications	4	2	0	60	20	10	10	50	-	150	4	1	5
23	Instrumentation & Control System	3	0	1	60	20	10	10	-	-	100	4	0	4
24	Analog Communication	3	2	0	60	20	10	10	-	50	150	3	1	4
25	Data Structure & Files	3	2	0	60	20	10	10	-	50	150	3	1	4
26	Professional Skill Development-IV	4	0	0	100	-	--	-	-	-	100	4	0	4

	Total	20	08	01	400	100	50	50	100	100	800	21	4	25
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Total Credits Sem – III : 25
Total Credits Sem – IV : 25
Grand total : 50

Bharati Vidyapeeth University, Pune
Faculty of Engineering & Technology
Programme : B.Tech (Electronics) Sem – V (2014 Course)

Sr. No.	Name of the Course	Teaching Scheme (Hrs/week)			Examination Scheme (Marks)						Total Marks	Credits		
		L	P	T	End Semester Exam	Continuous Assessment			TW & PR	TW & OR		Theory	TW	Total Credits
						Unit Test	Attendance	Assignments						
27	Microprocessors and Microcontrollers	4	2	0	60	20	10	10	50	-	150	4	1	5
28	Electronic Instruments & Measurement System	3	2	0	60	20	10	10	-	50	150	3	1	4
29	Digital Communication Systems	3	2	0	60	20	10	10	-	50	150	3	1	4
30	Power Devices & Machines	3	2	0	60	20	10	10	-	50	150	3	1	4
31	Electromagnetic Engineering	3	0	1	60	20	10	10	-	-	100	4	-	4

32	Professional Skill Development-V	4	0	0	100	0	-	-	-	-	100	4	-	4
	Total	20	08	01	400	100	50	50	50	150	800	21	4	25

Optional Subject

Sr. No.	Name of Course	Teaching Scheme			Examination Scheme							Credits		
		L	P	T	ESE	Continuous Assessment			Practical		Total	Theory	TW	Total
						Unit Test	Attendance	Assignment	TW PR	TW OR				
	Engineering Mathematics IV	4	--	--	60	20	10	10	--	--	100	4	--	4

Bharati Vidyapeeth University, Pune
Faculty of Engineering & Technology
Programme : B.Tech (Electronics) Sem – VI (2014 Course)

Sr. No.	Name of the Course	Teaching Scheme (Hrs/week)			Examination Scheme (Marks)						Total Marks	Credits		
		L	P	T	End Semester Exam	Continuous Assessment			TW & PR	TW & OR		Theory	TW	Total Credits
						Unit test	Attendance	Assignments						
33	Digital Signal Processing	4	2	0	60	20	10	10	-	50	150	4	1	5
34	Embedded Systems	3	2	0	60	20	10	10	-	50	150	3	1	4
35	VLSI Design	3	2	0	60	20	10	10	50	-	150	3	1	4
36	Project Management & Finance	3	0	0	60	20	10	10	-	-	100	3	-	3

37	Electronic Circuit Design	4	2	0	60	20	10	10	-	50	150	4	1	5
38	Professional Skill Development-VI	4	0	0	100	0	-	-	-	-	100	4	-	4
	Total	21	8	0	400	100	50	50	50	150	800	21	4	25

Total Credits Sem – V	: 25	Total Credits Sem – VI	: 25
Grand total	: 50		

Sr. No.	Name of Course	Teaching Scheme			Examination Scheme						Credits			
		L	P	T	ESE	Continuous Assessment			Practical		Total	Theory	TW	Total
						Unit Test	Attendance	Assignment	TW PR	TW OR				
39	Environmental Studies	3	-	-	100	-	-	25	-	-	125	-	-	-

Bharati Vidyapeeth University, Pune
Faculty of Engineering & Technology
Programme : B.Tech (Electronics) Sem – VII (2014 Course)

Semester- VII										Contact Hours: 23 Hrs/week			
										Total Credits: 25			
										Total Marks: 750			
Sr. No.	Subject	Teaching Scheme(Hrs)			Examination Scheme (Marks)						Total Marks	Credits	
		L	T	P		Continuous Assessment			Tw &Pr	TW & OR			
					End Semeste r Exam	Unit Test	Tutorials / Assignments	Attendance					

40	Computer Networks	3	0	2	60	20	10	10	-	50	150	4
41	Programmable Logic Controllers & Applications	3	0	2	60	20	10	10	50	-	150	4
42	Electronic System Design	3	0	0	60	20	10	10	-	-	100	3
43	Advanced Communication System	2	0	0	60	20	10	10	-	-	100	2
44	ELECTIVE-I	3	1	0	60	20	10	10	-	50	150	4
45	Project Stage-I	0	0	4	-	-	-	-	-	50	50	4
46	In-plant Training	0	0	0	-	-	-	-	-	50	50	4
	Total	14	01	08	300	100	50	50	50	200	750	25

Elective-I

- 1) Mobile & Broadband Communication
- 2) Digital Image processing

- 3) Advanced Digital Signal Processing
- 4) Advance Computer Programming

Bharati Vidyapeeth University, Pune
Faculty of Engineering & Technology
Programme : B.Tech (Electronics) Sem – VIII (2014 Course)

Semester- VIII											Contact Hours: 28 Hrs/week			
											Total Credits: 25		Total Marks: 750	
Sr. No.	Subject	Teaching Scheme(Hrs)			Examination Scheme (Marks)						Total Marks	Total Credits		
		L	T	P	End Semester Exam	Continuous Assessment			Tw &Pr	TW & OR				
						Unit Test	Tutorials / Assignments	Attendance						
47	Optical Communication Fiber	3	0	2	60	20	10	10	50	-	150	4		

48	Biomedical Engineering	3	0	2	60	20	10	10	-	50	150	4
49	Wireless Network	3	1	0	60	20	10	10	-	-	100	4
50	Elective-II	3	1	0	60	20	10	10	-	50	150	4
51	Seminar	0	0	2	-	-	-	-	-	50	50	1
52	Project Stage-II	0	0	8	-	-	-	-	-	150	150	8
	Total	12	02	14	240	80	40	40	50	300	750	25
53	Environmental Studies	3	0	0	60	20	10	10	-	-	100	0

Elective-II

1) Agricultural Electronics
SOC (System on Chip)

3) Speech Processing
4) Fuzzy Logic & Neural Network