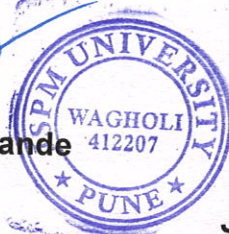# JSPM UNIVERSITY PUNE
Faculty of Science and Technology (FST)
School of Electrical and Communication Sciences
Course Structure: B. Tech. Second Year
(Electronics and Telecommunication Engineering)

Semester – III
Level 5
(For Regular Students)

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	BSC	230GMAB07_03	Ordinary Differential Equations and Multivariate Calculus	2	1	-	-	100	-	-	3
02	PCC	230GETB03_03	Electronic Circuits and Applications	3	-	-	-	100	-	-	3
03	PCC	230GETB04_03	Digital Electronics	3	-	-	-	100	-	-	3
04	PCC	230GETB05_03	Network Analysis	3	-	-	2	100	-		3.5
05	MMC	230GCSB18_03	Basics of Data Structures and Algorithms	1	-	2			50	50	2
06	IOC	230GCSB19_03	Introduction to Programming Languages	2	-	-	-	100	-	-	2
07	VSC	230IINB02_03	Innovation	1	-	-	2	-	-	50	1.5
08	VEC (HSMC)	230USYB02_03	Professional Laws, Ethics, Values and Harmony	2	-	-	-	50	-	-	2
09	LC	230GETB06_03	Electronic Circuits and Applications Lab	-	-	2	-	-	50	-	1
10	LC	230GETB07_03	Digital Electronics Lab	-	-	2	-	-	50	-	1
Total Academic Engagement and Credits				17	1	6	4	550	150	100	22
				24				800			

Dr. A. S. Deshpande
Academic Coordinator
FST

Dr. R. S. Deshpande
Dean
FST

Dr. B. B. Ahuja
Vice Chancellor
JSPM University Pune

JSPM UNIVERSITY PUNE
Faculty of Science and Technology (FST)
School of Electrical and Communication Sciences
Course Structure: B. Tech. Second Year
(Electronics and Telecommunication Engineering)

Semester – III
Level 5
(For Lateral Entry Students)

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	BSC	230GMAL01_03	Linear Algebra and Univariate Calculus	3	1	-	-	100	-	-	4
02	PCC	230GETB03_03	Electronic Circuits and Applications	3	-	-	-	100	-	-	3
03	PCC	230GETB04_03	Digital Electronics	3	-	-	-	100	-	-	3
04	PCC	230GETB05_03	Network Analysis	3	-	-	2	100	-		3.5
05	MMC	230GCSB18_03	Basics of Data Structures and Algorithms	1	-	2			50	50	2
06	IOC	230GCSB19_03	Introduction to Programming Languages	2	-	-	-	100	-	-	2
07	VSC	230IDCB01_03	Design Thinking and Creativity	1	-	-	2	-	-	50	1.5
08	AEC (HSMC)	230UENB01_03	Effective Communication Skills	1	-	2	-	50	-	-	2
09	LC	230GETB06_03	Electronic Circuits and Applications Lab	-	-	2	-	-	50	-	1
10	LC	230GETB07_03	Digital Electronics Lab	-	-	2	-	-	50	-	1
Total Academic Engagement and Credits				17	1	8	4	550	150	100	23
				26				800			23

Dr. A. S. Deshpande
Academic Coordinator
FST

Dr. R. S. Deshpande
Dean
FST

Dr. B. B. Ahuja
Vice Chancellor
JSPM University Pune

JSPM UNIVERSITY PUNE
Faculty of Science and Technology (FST)
School of Electrical and Communication Sciences
Course Structure: B. Tech. Second Year
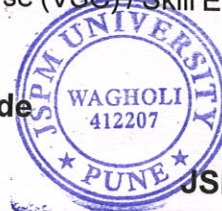## (Electronics and Telecommunication Engineering)

Semester – IV
Level 5
(For Regular Students)

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	BSC	230GMAB08_04	Vector Calculus and Partial Differential Equations	2	1	-	-	100	-	-	3
02	BSC	230HFSB16_04	Biology for Engineers	2	-	-	-	100	-	-	2
03	PCC	230GETB11_04	Signals and Systems	3	-	-	-	100	-	-	3
04	PCC	230GETB12_04	Analog Communication	2	-	-	-	100	-	-	2
05	PCC	230GETB13_04	Control Systems	2	-	-	-	50	-	-	2
06	MMC	230GMTB01_04	Sensors and Actuators	1	-	2	-	-	50	50	2
07	SEC	230GCSB22_04	Programming in Python	2	-	2	-	-	50	50	3
08	AEC (HSMC)	230UENB02_04	Communicative Proficiency Skills	1	-	2	-	50	-	-	2
09	LC	230GETB14_04	Analog Communication Lab	-	-	2	-	-	50	-	1
10	IITP/ FP/ CEP	230GETB15_04	Internship / Field Project / Community Engagement Programme	4 to 6 weeks				-	-	50	2
Total Academic Engagement and Credits				15	1	8	0	500	150	150	22
				24				800			

Note: A **Diploma** will be awarded if a student exits after second year. For Exit at the end of second year the student must complete:(Total credits = 8)
    a) An internship / OJT of 8 - 10 weeks (4 credits)
    b) Additional Course 1 (4 credits) (Vocational Skill Course (VSC)/Skill Enhancement Course (SEC))

Dr. A. S. Deshpande
Academic Coordinator
FST

Dr. R. S. Deshpande
Dean
FST

Vice Chancellor
JSPM University Pune

JSPM UNIVERSITY PUNE
Faculty of Science and Technology (FST)
School of Electrical and Communication Sciences
Course Structure: B. Tech. Second Year
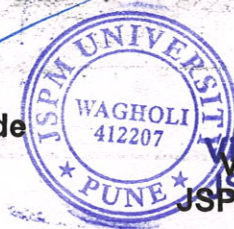## (Electronics and Telecommunication Engineering)

Semester – IV
Level 5
(For Lateral Entry Students)

Sr. No.	Course Type	Course Code	Course Name	Teaching Scheme (Hrs. per week)				Examination and Marking Scheme			Credits
				L	T	P	EL	TH	PR	OR	
01	BSC	230GMAL02_04	Multivariate Calculus and Differential Equations	3	1	-	-	100	-	-	4
02	BSC	230HFSB16_04	Biology for Engineers	2	-	-	-	100	-	-	2
03	PCC	230GETB11_04	Signals and Systems	3	-	-	-	100	-	-	3
04	PCC	230GETB12_04	Analog Communication	2	-	-	-	100	-	-	2
05	PCC	230GETB13_04	Control Systems	2	-	-	-	50	-	-	2
06	MMC	230GMTB01_04	Sensors and Actuators	1	-	2	-	-	50	50	2
07	SEC	230GCSB22_04	Programming in Python	2	-	2	-	-	50	50	3
08	AEC (HSMC)	230UENB02_04	Communicative Proficiency Skills	1	-	2	-	50	-	-	2
09	LC	230GETB14_04	Analog Communication Lab	-	-	2	-	-	50	-	1
10	IITP/ FP/ CEP	230GETB15_04	Internship / Field Project / Community Engagement Programme	4 to 6 weeks				-	-	50	2
Total Academic Engagement and Credits				16	1	8	0	500	150	150	23
				25				800			

Note: A **Diploma** will be awarded if a student exits after second year. For Exit at the end of second year the student must complete:(Total credits = 8)
    a) An internship / OJT of 8 - 10 weeks (4 credits)
    b) Additional Course 1 (4 credits) (Vocational Skill Course (VSC) / Skill Enhancement Course (SEC))

Dr. A. S. Deshpande
Academic Coordinator
FST

Dr. R. S. Deshpande
Dean
FST

Dr. B. B. Ahuja
Vice Chancellor
JSPM University Pune