

Savitribai Phule Pune University

Faculty of Science and Technology



Syllabus for

T.E (Electronics & Telecommunication Engineering)

(Course 2019)

(w.e.f. June 2021)

Savitribai Phule Pune University, Pune
T.E. (Electronics & Telecommunication Engineering) 2019 Course
 (With effect from Academic Year 2021-22)

Semester-V

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credit			
		Theory	Practical	Tutorial	In-Sem	End-Sem	TW	PR	OR	Total	TH	PR	TUT	Total
304181	Digital Communication	03	-	-	30	70	-	-	-	100	03	-	-	03
304182	Electromagnetic Field Theory	03	-	01	30	70	25	-	-	125	03	-	01	04
304183	Database Management	03	-	-	30	70	-	-	-	100	03	-	-	03
304184	Microcontrollers	03	-	-	30	70	-	-	-	100	03	-	-	03
304185	Elective - I	03	-	-	30	70	-	-	-	100	03	-	-	03
304186	Digital Communication Lab	-	02	-	-	-	-	50	-	50	-	01	-	01
304187	Database Management Lab	-	02	-	-	-	-	-	25	25	-	01	-	01
304188	Microcontroller Lab	-	02	-	-	-	-	50	-	50	-	01	-	01
304189	Elective I Lab	-	02	-	-	-	-	25	-	25	-	01	-	01
304190	Skill Development	-	02	-	-	-	25	-	-	25	-	01	-	01
304191A	Mandatory Audit Course 5 &	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		15	10	01	150	350	50	125	25	700	-			
Total Credit											15	05	01	21

Elective -I

- 1) Digital Signal Processing
- 2) Electronic Measurements
- 3) Fundamentals of JAVA Programming
- 4) Computer Networks

Savitribai Phule Pune University, Pune
T.E. (Electronics & Telecommunication Engineering) 2019 Course
 (With effect from Academic Year 2021-22)

Semester-VI

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credit			
		Theory	Practical	Tutorial	In-Sem	End-Sem	TW	PR	OR	Total	TH	PR	TUT	Total
304192	Cellular Networks	03	-	-	30	70	-	-	-	100	03	-	-	03
304193	Project Management	03	-	-	30	70	-	-	-	100	03	-	-	03
304194	Power Devices & Circuits	03	-	-	30	70	-	-	-	100	03	-	-	03
304195	Elective-II	03	-	-	30	70	-	-	-	100	03	-	-	03
304196	Cellular Networks Lab	-	02	-	-	-	-	-	50	50	-	01	-	01
304197	Power Devices & Circuits Lab	-	02	-	-	-	-	50	-	50	-	01	-	01
304198	Elective-II Lab	-	02	-	-	-	-	25	-	25	-	01	-	01
304199	Internship**	-	-	-	-	-	100	-	-	100	-	-	04	04
304200	Mini Project	-	04	-	-	-	25	-	50	75	-	02	-	02
304191 B	Mandatory Audit Course 6 &	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		12	10	00	120	280	125	75	100	700				
Total Credit											12	05	04	21

Abbreviations:

In-Sem: In semester

End-Sem: End semester

TH: Theory

TW : Term Work

PR: Practical

OR: Oral

TUT: Tutorial

Note: Students of T.E. (Electronics & Telecommunications) have to opt any one of the audit course from the list of audit courses prescribed by BoS (Electronics & Telecommunications Engineering)

Elective -II

- 1) Digital Image Processing
- 2) Sensors in Automation
- 3) Advanced JAVA Programming
- 4) Embedded Processors
- 5) Network Security

Savitribai Phule Pune University
Faculty of Science and Technology



Syllabus for

B.E (Electronics & Telecommunication Engineering)

(Course 2019)

(w.e.f. June 2022)

Savitribai Phule Pune University, Pune
B.E. (Electronics & Telecommunication) 2019 Course
 (With effect from Academic Year 2022-23)

Semester-VII

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credit			
		Theory	Practical	Tutorial	In-Sem	End-Sem	TW	PR	OR	Total	TH	PR	TUT	Total
404181	Radiation & Microwave Theory	03	-	-	30	70	-	-	-	100	03	-	-	03
404182	VLSI Design and Technology	03	-	-	30	70	-	-	-	100	03	-	-	03
404183	Cloud Computing	03	-	-	30	70	-	-	-	100	03	-	-	03
404184	Elective - 3	03	-	-	30	70	-	-	-	100	03	-	-	03
404185	Elective - 4	03	-	-	30	70	-	-	-	100	03	-	-	03
404186	Lab Practice - 1 (RMT & Cloud Computing)	-	04	-	-	-	25	-	50	75	-	02	-	02
404187	Lab Practice - 2 (VLSI Design & Elective -3)	-	04	-	-	-	25	50	-	75	-	02	-	02
404188	Project Stage - I	-	02	-	-	-	50	-	-	50	-	01	-	01
404189	Mandatory Audit Course 7	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		15	10	-	150	350	100	50	50	700	-	-	-	-
Total Credits											15	05	-	20

Elective - 3	Elective - 4
1. Speech Processing	1. Data Mining
2. PLC SCADA & Automation	2. Electronic Product Development
3. JAVA Script	3. Deep Learning
4. Embedded & RTOS	4. Low Power CMOS
5. Modernized IoT	5. Smart Antennas

Mandatory Audit Course - 7
1. Management Information System
2. Patent Search & Analysis
3. Knowledge Management
4. Energy Economics & Policy
5. Educational Leadership
6. Human Resource Development

Savitribai Phule Pune University, Pune
B.E. (Electronics & Telecommunication) 2019 Course
 (With effect from Academic Year 2022-23)

Semester-VIII

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credit			
		Theory	Practical	Tutorial	In-Sem	End-Sem	TW	PR	OR	Total	TH	PR	TUT	Total
404190	Fiber Optic Communication	03	-	-	30	70	-	-	-	100	03	-	-	03
404191	Elective - 5	03	-	-	30	70	-	-	-	100	03	-	-	03
404192	Elective - 6	03	-	-	30	70	-	-	-	100	03	-	-	03
404193	Innovation & Entrepreneurship	-	-	02	-	-	50	-	-	50	-	-	02	02
404194	Digital Business Management	-	-	02	-	-	50	-	-	50	-	-	02	02
404195	Fiber Optic Lab	-	02	-	-	-	25	-	50	75	-	01	-	01
404196	Lab Practice - 3 (Elective - 5)	-	02	-	-	-	25	50	-	75	-	01	-	01
404197	Project Stage - II	-	10	-	-	-	100	-	50	150	-	05	-	05
Total		09	14	04	90	210	250	50	100	700	-	-	-	-
Total Credits											09	07	04	20

Elective - 5	Elective - 6
1. Biomedical Signal Processing	1. System on Chip
2. Industrial Drives & Automation	2. Nano Electronics
3. Android Development	3. Remote Sensing
4. Embedded System Design	4. Digital Marketing
5. Mobile Computing	5. Open Elective



Hope Foundation's
International Institute of Information Technology, Pune
Department of Electronics and Telecommunication
Academic Year 22-23 SEM-II
Class : TE E&TC

Elective Choices Confirmation and Roll call

Roll No.	Exam Seat No.	Name of Student	Elective I	Audit Course	Batch
TE22201	T190953003	ANKIT RAJ SHARMA	AJP	Six Sigma	A3E
TE22202	T190953004	APURVA SANTOSH APUNE	AJP		
TE22203	T190953005	ARGULWAR AJAY MANOJ	AJP		
TE22204	T190953006	ATHARVA SAGAR CHATUR	AJP		
TE22205	T190953007	BARAVKAR PIYUSH SURESH	AJP		
TE22206	T190953010	BHURE VYANKAT ACHYUTE	AJP		
TE22207	T190953012	CHITNIS CHINMAY MAHESH	AJP		
TE22208	T190953013	DAYMA GIRIRAJ MANISH	AJP		
TE22209	T190953014	DESAI GAURI SANJAY	AJP		
TE22210	T190953017	GAIDHANI VISHVESH PUSHKAR	AJP		
TE22211	T190953018	G HARDE ARADHYA VIJAY	AJP		
TE22212	T190953019	GHATOL AMIT SANJAY	AJP		
TE22213	T190953020	GIRIYAL ATHARVA JAGADISH	AJP		
TE22214	T190953021	GODASE ABHINESH MOHAN	AJP		
TE22215	T190953022	HEMANG AMRITLAL JAIN	AJP		
TE22216	T190953028	KAITKAR PRIYANKA MAHESH	AJP		
TE22217	T190953029	KAMBLE GEETA SURYAKANT	AJP		
TE22218	T190953030	KANAWADE DEEP RAJENDRA	AJP		
TE22219	T190953033	KHOLE DHANANJAY VIVEK	AJP		
TE22220	T190953035	KODAG SARTHAK MAHENDRA	AJP		
TE22221	T190953037	KUSALE NIKHIL DATTATRAY	AJP		
TE22222	T190953038	MAHARAJ SHUBHAM KRISHNAMURARI	AJP		
TE22223	T190953039	MALAVADE MEGHNA NITIN	AJP		
TE22224	T190953041	MALI VIRENDRA MUKUNDRAJ	AJP		
TE22225	T190953045	MISHRA YASH MANOJ	AJP		
TE22226	T190953046	MRUNMAI PRAVIN KULKARNI	AJP		
TE22227	T190953047	MUJAWAR SALMAN BABULAL	AJP		
TE22228	T190953049	NADARGE SAKSHI ANIL	AJP		
TE22229	T190953050	PARKHE KHUSHI KIRAN	AJP		
TE22230	T190953051	PATIL ANUSHREE UMESH	AJP		
TE22231	T190953052	PATIL DIGVIJAY RAVIRAJ	AJP		
TE22232	T190953057	PATIL SAKSHI ULHAS	AJP		
TE22233	T190953054	RANE YASH YOGIRAJ	AJP		
TE22234	T190953055	RAVI PRAKASH	AJP		
TE22235	T190953058	SANSKRUTI DIPAKRAO PATOND	AJP		
TE22236	T190953060	SARTHAK GUPTA	AJP		
TE22237	T190953061	SATHE SAYALI KAILAS	AJP		
TE22238	T190953066	SHIRKE KALPESH CHANDRAKANT	AJP		
TE22239	T190953068	SHREYA SHARMA	AJP		
TE22240	T190953070	SUMIT AMIT TIWARI	AJP		

Roll No.	Exam Seat No.	Name of Student	Elective I	Audit Course	Batch
TE22241	T190953071	SURANA SMRUTI SUNIL	AJP		C3E
TE22242	T190953073	THAKARE RUPESH VIJAY	AJP		C3E
TE22243	T190953075	VARUN SURESH GUPTA	AJP		C3E
TE22244	T190953078	WAGH ONKAR SHAHU	AJP		C3E
TE22245	T190953079	WAGHMARE ATHARVA DATTATRAY	AJP		C3E
TE22246	T190953080	YASH PRADIP JAGTAP	AJP		C3E
TE22247	T190953081	YASHSINGH DINESHSINGH CHANDEL	AJP		C3E
TE22248	T190953082	YUKTA MILIND KABRA	AJP		C3E
TE22249	T190953083	ZAHRA JAWEED AMIN	AJP		C3E
TE22250	T190953009	BHURE RUPESH DATTA	NS		
TE22251	T190953034	KHOT SHRISHAIL SANJAY	NS		
TE22252	T190953040	MALEGAVI PRAJWAL ASHOK	NS		
TE22253	T190953056	RISHAB KAR CHAUDHURI	NS		
TE22254	T190953059	SARDAR ANURAG PRABIR	NS		
TE22255	T190953064	SHEREKAR YASH RAVINDRA	NS		
TE22256	T190953001	ABHISHEK DILIP RATHOD	NS		
TE22257	T190953002	ALTE SHRUTI VILAS	NS		
TE22258	T190953008	BARI SAKSHI SUNIL	NS		
TE22259	T190953011	CHOUDHARY NARAYAN RAMESHKUMAR	NS		
TE22260	T190953016	DHAKNE ASHISH VIJAY	NS		
TE22261	T190953024	JAWALEKAR PARTH SHAILESH	NS		
TE22262	T190953025	KADAM ATHARV YOGESH	NS		
TE22263	T190953026	KADAM BHAKTI BHAGWAN	NS		
TE22264	T190953027	KADAM VAIBHAV HINDURAO	NS		D3E
TE22265	T190953031	KHAMGAL DHANASHREE GORAKHNATH	NS		D3E
TE22266	T190953032	KHAMGAL NIKITA VITTHAL	NS		D3E
TE22267	T190953042	MANDLK GAURI PRAVIN	NS		D3E
TE22268	T190953043	MANE NEHA SAMBHAJI	NS		D3E
TE22269	T190953044	MIRKALE TANISHQ RAJKUMAR	NS		D3E
TE22270	T190953053	PATIL VAISHALI UMAKANT	NS		D3E
TE22271	T190953062	SATPUTE TEJAS SAMBHAJI	NS		D3E
TE22272	T190953065	SHINDE AAKANKSHA BALAJI	NS		D3E
TE22273	T190953067	SHIVANGI SANTOSH JADHAO	NS		D3E
TE22274	T190953069	SOLANKE MANGESH MANOHAR	NS		D3E
TE22275	T190953072	TEJAS BHAGAT	NS		D3E
TE22276	T190953074	UMBARKAR YASH RAJIV	NS		D3E
TE22277	T190953076	VINAY VILAS MORALE	NS		D3E
TE22278	T190953077	WAGH OM NILESH	NS		D3E



R. Chhatrala
Dr. Risil Chhatrala
Name and Sign of HoD



Hope Foundation's
International Institute of Information Technology, Pune
Department of Electronics and Telecommunication
Academic Year 22-23 SEM-II

Class : BE E&TC

Elective Choices Confirmation and Roll call

Roll No.	Exam Seat No.	Name of Student	Elective V	Elective VI	Batch
BE22201	B190953001	AAYUSH JOSHI	Mobile Computing	Remote Sensing	A4E
BE22202	B190953037	ABHISHEK KULKARNI	Mobile Computing	Remote Sensing	
BE22203	B190953002	ADITI NAIK	Mobile Computing	Remote Sensing	
BE22204	B190953007	ADITYA AVACHAT	Mobile Computing	Remote Sensing	
BE22205	B190953003	AKASH SOLUNKE	Mobile Computing	Remote Sensing	
BE22206	B190953058	AKSHAY SABLE	Mobile Computing	Remote Sensing	
BE22207	B190953004	ALAN ROY	Mobile Computing	Remote Sensing	
BE22208	B190953005	ALANKRIT SINHA	Mobile Computing	Remote Sensing	
BE22209	B190953019	ANAMAY VASANT DHEPE	Mobile Computing	Remote Sensing	
BE22210	B190953006	ARCHIT VERMA	Mobile Computing	Remote Sensing	
BE22211	B190953025	ASHISH HANDE	Mobile Computing	Remote Sensing	
BE22212	B190953014	ASHWINI VILAS CHAUDHARI	Mobile Computing	Remote Sensing	
BE22213	B190953012	ATHARV BOBDE	Mobile Computing	Remote Sensing	
BE22214	B190953050	ATHARVA NATHE	Mobile Computing	Remote Sensing	
BE22215	B190953069	AVANTIKA SATISH TELLAWAR	Mobile Computing	Remote Sensing	
BE22216	B190953008	AYUSH GUPTA	Mobile Computing	Remote Sensing	
BE22217	B190953024	CEANA SAJI	Mobile Computing	Remote Sensing	
BE22218	B190953010	CHAITALI BHAMERE	Mobile Computing	Remote Sensing	
BE22219	B190953053	DARSHAN ARUN PATIL	Mobile Computing	Remote Sensing	
BE22220	B190953017	DARSHAN SATISH PATIL	Mobile Computing	Remote Sensing	
BE22221	B190953077	DEEP MAROTI WAGHMARE	Mobile Computing	Remote Sensing	B4E
BE22222	B190953048	DEEPAK MUNDE	Mobile Computing	Remote Sensing	
BE22223	B190953011	DHRUVIL BHAVSAR	Mobile Computing	Remote Sensing	
BE22224	B190953074	DINESHKUMAR VHANANAVAR	Mobile Computing	Remote Sensing	
BE22225	B190953046	HARSH MEWADA	Mobile Computing	Remote Sensing	
BE22226	B190953026	HIMADRI SHANKAR BEHERA	Mobile Computing	Remote Sensing	
BE22227	B190953027	HRITHIK MAHATO	Mobile Computing	Remote Sensing	
BE22228	B190953030	JAY RAVIRAJ DEORE	Mobile Computing	Remote Sensing	
BE22229	B190953079	KAJAL YADAV	Mobile Computing	Remote Sensing	
BE22230	B190953033	KALYANI KATHANE	Mobile Computing	Remote Sensing	
BE22231	B190953022	KAVITA GAIKWAD	Mobile Computing	Remote Sensing	
BE22232	B190953039	KUMARSHIVAM SINGH	Mobile Computing	Remote Sensing	
BE22233	B190953041	KUNAL KANASE	Mobile Computing	Remote Sensing	
BE22234	B190953042	KUNAL SOMINATH NIMBONE	Mobile Computing	Remote Sensing	
BE22235	B190953040	MADHUSUDAN SHIVAPPA KUMBHAR	Mobile Computing	Remote Sensing	
BE22236	B190953047	MAITHILEE RAJENDRA MULE	Mobile Computing	Remote Sensing	
BE22237	B190953065	MANISHA POPATRAO SONAWANE	Mobile Computing	Remote Sensing	
BE22238	B190953018	MUGDHA SHANTANU DESHMUKH	Mobile Computing	Remote Sensing	
BE22239	B190953013	NAMITHAA CHANDRASHEKHAR	Mobile Computing	Remote Sensing	
BE22240	B190953066	NEHA ANIL SURVASE	Mobile Computing	Remote Sensing	
BE22241	B190953045	NIKITA LOHALE	Mobile Computing	Remote Sensing	
BE22242	B190953062	NINAD SHAHGADKAR	Mobile Computing	Remote Sensing	
BE22243	B190953034	OMKAR SATISH KHADAKE	Mobile Computing	Remote Sensing	
BE22244	B190953029	PAYAL NARHARI JADHAV	Mobile Computing	Remote Sensing	
BE22245	B190953049	PIYUSH NAGPAL	Mobile Computing	Remote Sensing	
BE22246	B190953056	PRANAV KULKARNI	Mobile Computing	Remote Sensing	

Roll No.	Exam Seat No.	Name of Student	Elective V	Elective VI	Batch
BE22247	B190953023	PRANAV MANSING GAIKWAD	Mobile Computing	Remote Sensing	C4E
BE22248	B190953044	PRATHMESH LANDE	Mobile Computing	Remote Sensing	
BE22249	B190953001	PRATIK DILIP PAYMODE	Mobile Computing	Remote Sensing	
BE22250	B190953070	PRATIK TIWARI	Mobile Computing	Remote Sensing	
BE22251	B190953035	PRIYANKA RAJESH KOLHE	Mobile Computing	Remote Sensing	
BE22252	B190953009	RUSHAB PRAVIN BAGRECHA	Mobile Computing	Remote Sensing	
BE22253	B190953054	SACHIN KAILAS PATIL	Mobile Computing	Remote Sensing	
BE22254	B190953031	SADANAND JORI	Mobile Computing	Remote Sensing	
BE22255	B190953036	SAKSHI KSHIRSAGAR	Mobile Computing	Remote Sensing	
BE22256	B190953059	SAMIKSHA SARNAIK	Mobile Computing	Remote Sensing	
BE22257	B190953078	SAMIKSHA WATTAMWAR	Mobile Computing	Remote Sensing	
BE22258	B190953060	SAMPADA WAGHMARE	Mobile Computing	Remote Sensing	
BE22259	B190953028	SARVESH INGALE	Mobile Computing	Remote Sensing	
BE22260	B190953051	SHARATH CHANDRA PALLE	Mobile Computing	Remote Sensing	
BE22261	B190953021	SHEKINAH EZEKIEL	Mobile Computing	Remote Sensing	D4E
BE22262	B190953016	SHRUTI DAREKAR	Mobile Computing	Remote Sensing	
BE22263	B190953043	SHRUTIKA KURUNKAR	Mobile Computing	Remote Sensing	
BE22264	B190953064	SHUBHAM CHAUHAN	Mobile Computing	Remote Sensing	
BE22265	B190953057	SIDDHESHWAR RAUT	Mobile Computing	Remote Sensing	
BE22266	B190953063	SIMRAN FIROJ SHAIKH	Mobile Computing	Remote Sensing	
BE22267	B190953032	SOURABH NAVANATH KADAM	Mobile Computing	Remote Sensing	
BE22268	B190953067	SURYA PRAKASH DAS	Mobile Computing	Remote Sensing	
BE22269	B190953061	SUSHANT SARODE	Mobile Computing	Remote Sensing	
BE22270	B190953076	TEJAL SANTOSH WAGH	Mobile Computing	Remote Sensing	
BE22271	B190953071	UMESH RAMESHWAR PAWAR	Mobile Computing	Remote Sensing	
BE22272	B190953068	VAISHALI GHIGE	Mobile Computing	Remote Sensing	
BE22273	B190953038	VAISHNAVI MADHUKAR TAWDE	Mobile Computing	Remote Sensing	
BE22274	B190953073	VARAD KULKARNI	Mobile Computing	Remote Sensing	
BE22275	B190953075	VARUN SINGH	Mobile Computing	Remote Sensing	
BE22276	B190953020	VEDANGEE DIWATE	Mobile Computing	Remote Sensing	
BE22277	B190953075	VIKRAM SAWANT	Mobile Computing	Remote Sensing	
BE22278	B190953052	VINAYAK PARASHAR	Mobile Computing	Remote Sensing	
BE22279	B190953015	YASH CHAVAN	Mobile Computing	Remote Sensing	

Dr. Risil Chhatrala
Dr. Risil Chhatrala
Name and Sign of HoD

