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About Us

Welcome to the Academic Year Subjects Tab website. We are dedicated to providing you with easy access to your academic year subjects in a user-friendly manner. Our mission is to make the educational journey smoother for students and educators alike.

With our tabbed interface, you can conveniently browse through subjects for different academic years. We aim to simplify the process of finding and accessing your curriculum, helping you stay organized and focused on your studies.

If you have any questions, suggestions, or feedback, please feel free to contact us. We value your input and are committed to improving your experience on our website.

Induction Program : 2 weeks at the beginning of semester-I and 1 week at the beginning of semester-II

TABLE 2 First Engineering (Electronics and Computer)_structure Semester-II

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credits			
		Theory	Practical	Tutorial	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
107008	Engineering Mathematics-II	04	--	01	30	70	25	--	--	125	04	--	01	05
107002/ 107009	Engineering Physics/ Engineering Chemistry	04	02	--	30	70	--	25	--	125	04	01	--	05
103004 / 104010	Basic Electrical Engineering / Basic Electronics Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
110005/ 101011	Programming and Problem Solving / Engineering Mechanics	03	02	--	30	70	--	25	--	125	03	01	--	04
102012	Engineering Graphics	01	02	01	--	50	25		--	75	01		01	02
110013	Project Based Learning	--	04	--	--	--	25	50	--	75	--	02	--	02
	Total	15	12	02	120	330	75	125	--	650	15	05	02	22
101014	Audit Course 2	02	Environmental Studies-II											
107015		--	Physical Education-Exercise and Field Activities											

TABLE -1 First Engineering(Electronics and Computer)_structure Semester-I

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credits			
		Theory	Practical	Tutorial	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
107001	Engineering Mathematics-I	03	--	01	30	70	25	--	--	125	03	--	01	04
107002/ 107009	Engineering Physics / Engineering Chemistry	04	02	--	30	70	--	25	--	125	04	01	--	05
102003	Systems in Mechanical Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
103004 / 104010	Basic Electrical Engineering / Basic Electronics Engineering	03	02	--	30	70	--	25	--	125	03	01	--	04
110005/ 101011	Programming and Problem Solving / Engineering Mechanics	03	02	--	30	70	--	25	--	125	03	01	--	04
111006	Workshop	--	02	--	--	--	--	25	--	25	--	01	--	01
	Total	16	10	01	150	350	25	125	--	650	16	05	01	22
101007	Audit Course 1	02	Environmental Studies-I											

Induction Program : 2 weeks at the beginning of semester-I and 1 week at the beginning of semester-II

Savitribai Phule Pune University, Pune
S.E. (Electronics & Computer Engineering) 2020 Course
(With effect from Academic Year 2021-22)

Semester-III

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
	Engineering Mathematics III	04	-	01	30	70	25	-	-	125	04	--	01	05
	Electronic Circuits	03	-	-	30	70	-	-	-	100	03	-	-	03
	Digital Circuits	03	-	-	30	70	-	-	-	100	03	-	-	03
	Data structures & Algorithms	03	-	-	30	70	-	-	-	100	03	-	-	03
	Computer Organization	03	-	-	30	70	-	-	-	100	03	-	-	03
	Electronic Circuit Lab	-	02	-	-	-	-	50	-	50	-	01	-	01
	Digital circuits Lab		02					50		50		01		01
	Data Structure and Algorithm Lab	-	02	-	-	-	-	-	25	25	-	01	-	01
	Computer Organization Lab	-	02	-	-	-	25	-	-	25	-	01	-	01
	Electronic Skill Development	-	02	-	-	-	25	-	-	25	-	01	-	01
	Mandatory Audit Course 3 *	-	-	-							-	-	-	-
Total		16	10	01	150	350	75	100	25	700	-		-	
Total Credit											16	05	01	22

Savitribai Phule Pune University, Pune
S.E. (Electronics & Computer Engineering) 2020 Course
(With effect from Academic Year 2021-22)

Semester-IV

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
	Signals & Systems	03	-	01	30	70	25	-	-	125	03	--	01	04
	Principles of Programming Language	03	-		30	70	-	-	-	100	03	-	-	03
	Principles of Communication System	03	-	-	30	70	-	-	-	100	03	-	-	03
	Object Oriented Programming	03	-	-	30	70	-	-	-	100	03	-	-	03
	System Programming & Operating Systems	03	-	-	30	70	-	-	-	100	03	-	-	03
	Signals & System Lab	-	02	-	-	-	25	-	-	50	-	01	-	01
	Communication Lab	-	02	-	-	-	-	50	-	50	-	01	-	01
	Object Oriented Programming Lab	-	02	-	-	-	-	-	25	25	-	01	-	01
	Employability Skill Development	-	02	-	-	-	25	-	-	25	-	01	-	01
	Project Based Learning $^{\text{я}}$	-	04	-	-	-	50	-	-	50	-	02	-	02
	Mandatory Audit Course 4 $^{\&}$	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		15	14	01	150	350	125	50	25	700	-	-	-	-
Total Credit											15	06	01	22

Abbreviations:

In-Sem: In semester   End-sem: End semester   TH : Theory   TW : Term Work

PR : Practical   OR : Oral   TUT : Tutorial

Note: Interested students of S.E. (Electronics/E&TC) can opt any one of the audit course from the list of audit courses prescribed by BoS (Electronics & Telecommunications Engineering)
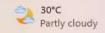
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Sr. No.	Subject	Course	Pattern
1	Microcontroller and Applcations	BE	2019 Patt.
2	Web Technology	BE	2019 Patt.
3	Internet of Things	BE	2019 Patt.
4	Ics	BE	2019 Patt.
5	HCI	BE	2019 Patt.

Savitribai Phule Pune University
BE (Electronics & Computer Engineering) 2019 Course
(With effect from Academic Year 2023-24)

Semester VII

Course Code	Course Name	Teaching Scheme (Hours/week)			Examination Scheme and Marks						Credit Scheme			
		Lecture	Practical	Tutorial	Mid-Sem	End-Sem	Term work	Practical	Oral	Total	Lecture	Practical	Tutorial	Total
	Data Science and Visualization	03	-	-	30	70	-	-	-	100	03	-	-	03
	Web Technology	03	-	-	30	70	-	-	-	100	03	-	-	03
	Internet of Things	03	-	-	30	70	-	-	-	100	03	-	-	03
	Elective-III	03	-	-	30	70	-	-	-	100	03	-	-	03
	Elective-IV	03	-	-	30	70	-	-	-	100	03	-	-	03
	Laboratory Practice I	-	04	-	-	-	25	50	-	75	-	02	-	02
	Laboratory Practice II	-	04	-	-	-	25	-	50	75	-	02	-	02
	Project Stage I	-	02	-	-	-	-	-	50	50	-	02	-	02
	Total	15	10	-	150	350	50	50	100	700	15	06	-	21
	Audit Course 7													Grade
											Total Credit	15	06	-	21

Elective-III
- Big Data & Analytics
- Mobile Application Development
- Information and Cyber Security
- Digital Image Processing

Elective-IV
- Robotics & Automation
- Human Computer Interface
- Digital System Design
- Augmented and Virtual Reality

Audit Course 7
- Botnet of Things
- Environmental issues and Disaster Management
- Emotional Intelligence
- Critical Thinking

Laboratory Practice I
Assignments from Data Science and Visualization and Internet of Things
Laboratory Practice II
Assignments from Web Technology and Elective-III

BE (Electronics & Computer Engineering) 2019 Course
(With effect from Academic Year 2023-24)

Semester VIII

Course Code	Course Name	Teaching Scheme (Hours/week)			Examination Scheme and Marks						Credit Scheme			
		Lecture	Practical	Tutorial	Mid-Sem	End-Sem	Term work	Practical	Oral	Total	Lecture	Practical	Tutorial	Total
	Artificial Intelligence and Machine Learning	03	-	-	30	70	-	-	-	100	03	-	-	03
	VLSI Design and Technology	03	-	-	30	70	-	-	-	100	03	-	-	03
	Elective-V	03	-	-	30	70	-	-	-	100	03	-	-	03
	Elective-VI	03	-	-	30	70	-	-	-	100	03	-	-	03
	Laboratory Practice III	-	04	-	-	-	25	50	-	75	-	02	-	02
	Laboratory Practice IV	-	02	-	-	-	25	-	50	75	-	02	-	02
	Project Stage II	-	06	-	-	-	100	-	50	150	-	05	-	05
	Total	12	12	-	120	280	150	50	100	700	12	09	-	21
	Audit Course 8													Grade
											Total Credit	12	09	—	21

Elective V
- Cloud Computing
- Embedded System and Real Time Operating Systems
- Software Testing and Quality Assurance
- Artificial Neural Network

Elective VI
- Data Mining and Warehousing
- Electric Vehicle Technology
- Software Defined Radio
- Wireless Sensor Network
- Open Elective

Audit Course 8
- Business Intelligence
- Quantum Computing
- Cognitive Computing
- Technologies, Disruptions and Entrepreneurial Opportunities

Laboratory Practice III
Assignments from Artificial Intelligence and Machine Learning and VLSI Design and Technology
Laboratory Practice IV
Assignments from Elective-V