

1.2.1 Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system	Link to the relevant document
530319110	SE (Civil)	2020-2021	Yes	2023-2024	Link
530319110	TE (Civil)	2021-2022	Yes	2023-2024	
530319110	BE (Civil)	2022-2023	Yes	2023-2024	
530324510	SE (Comp)	2020-2021	Yes	2023-2024	
530324510	TE (Comp)	2021-2022	Yes	2023-2024	
530324510	BE (Comp)	2022-2023	Yes	2023-2024	
530329310	SE (Ele.)	2020-2021	Yes	2023-2024	
530329310	TE (Ele.)	2021-2022	Yes	2023-2024	
530329310	BE (Ele.)	2022-2023	Yes	2023-2024	
530337210	SE (E&TC)	2020-2021	Yes	2023-2024	
530337210	TE (E&TC)	2021-2022	Yes	2023-2024	
530337210	BE (E&TC)	2022-2023	Yes	2023-2024	
530361210	SE (Mech.)	2020-2021	Yes	2023-2024	
530361210	TE (Mech.)	2021-2022	Yes	2023-2024	
530361210	BE (Mech.)	2022-2023	Yes	2023-2024	



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Savitribai Phule Pune University, Pune



Syllabus for BE Civil Engineering (2019 Pattern)

Implemented from Academic year 2022-23

Board of Studies in Civil Engineering

Faculty of Science and Technology

Savitribai Phule Pune University, Pune
BE (Civil Engineering) 2019 Pattern
(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	TW	PR	OR	TUT	Total
401001	Foundation Engineering	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
401002	Transportation Engineering	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
401003	Elective III	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
401004	Elective IV	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
401005	Project Stage I	--	04	--	--	--	50	--	50	100	--	01	--	02	--	03
401006	Transportation Engineering Lab	--	02	--	--	--	--	--	50	50	--	--	--	01	--	01
401007	Elective III Lab	--	02	--	--	--	--	--	50	50	--	--	--	01	--	01
401008	Elective IV Lab	--	02	--	--	--	50	--	--	50	--	01	--	--	--	01
401009	Computer Programming in Civil Engineering	01	02	--	--	--	50	--	--	50	--	02	--	--	--	02
401010	Audit Course I Stress Management by Yoga / Communication Etiquette in Workplaces	--	--	01	--	GR	--	--	--	GR	--	--	--	--	--	--
Total		13	12	01	120	280	150	--	150	700	12	04	--	04	--	20

Abbreviations: TH : Theory, TW: Term Work, PR : Practical, OR: Oral, TUT : Tutorial, GR: Grade

Elective III and IV

S N	Course Code	Elective III: Course Name	Course Code	Elective IV: Course Name
01	401003 a	Coastal Engineering	401004 a	Air Pollution and Control
02	401003 b	Advanced Design of Concrete Structures	401004 b	Advanced Design of Steel Structures
03	401003 c	Integrated Water Resources Planning & Management	401004 c	Statistical Analysis and Computational Method
04	401003 d	Finite Element Method	401004 d	Airport and Bridge Engineering
05	401003 e	Data Analytics	401004 e	Design of Prestressed Concrete Structures
06	401003 f	Operation Research	401004 f	Formwork and Plumbing Engineering

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	TW	PR	OR	TUT	Total
401011	Dams and Hydraulics Structures	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
401012	Quantity Surveying, Contracts and Tenders	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
401013	Elective V	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
401014	Elective VI	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
401015	Project Stage II	--	10	--	--	--	100	--	50	150	--	03	--	02	--	05
401016	Dams and Hydraulics Structures Lab	--	02	--	--	--	--	--	50	50	--	--	--	01	--	01
401017	Quantity Surveying, Contracts and Tenders Lab	--	02	--	--	--	--	--	50	50	--	--	--	01	--	01
401018	Elective V Lab	--	02	--	--	--	50	--	--	50	--	01	--	--	--	01
401019	Audit Course II Social Responsibility / Human Rights	--	--	01	--	GR	--	--	--	GR	--	--	--	--	--	--
Total		12	16	01	120	280	150	--	150	700	12	04	--	04	--	20

Abbreviations: TH : Theory, TW: Term Work, PR : Practical, OR: Oral and TUT : Tutorial, GR: Grade

Elective V and VI

S N	Course Code	Elective V: Course Name	Course Code	Elective VI: Course Name
01	401013 a	Earthquake Engineering	401014 a	TQM and MIS
02	401013 b	Structural Design of Bridges	401014 b	Advanced Transportation Engineering
03	401013 c	Irrigation and Drainage	401014 c	Geo Synthetic Engineering
04	401013 d	Design of Precast and Composite Structures	401014 d	Structural Design of Foundations
05	401013 e	Hydropower Engineering	401014 e	Green Structures and Smart Cities
06	401013 f	Structural Audit and Retrofitting of Structures	401014 f	Rural Water Supply and Sanitation

Savitribai Phule Pune University, Pune



Syllabus for TE Civil Engineering (2019 Pattern)

Implemented from Academic year 2021-22

Board of Studies in Civil Engineering

Faculty of Science and Technology

Savitribai Phule Pune University, Pune
TE (Civil Engineering) 2019 Pattern
(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	TW	PR	OR	TUT	Total
301001	Hydrology and Water Resources Engineering	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
301002	Water Supply Engineering	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
301003	Design of Steel Structures	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
301004	Engineering Economics and Financial Management	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
301005	Elective I	03	--	--	30	70	--	--	--	100	03	--	--	--	--	03
301006	Seminar	--	--	01	--	--	50	--	--	50	--	--	--	--	01	01
301007	Hydrology and Water Resources Engineering Lab	--	02	--	--	--	25	--	--	25	--	01	--	--	--	01
301008	Water Supply Engineering Lab	--	02	--	--	--	--	50	--	50	--	--	01	--	--	01
301009	Design of Steel Structures Lab	--	04	--	--	--	--	--	50	50	--	--	--	02	--	02
301010	Elective I Lab	--	02	--	--	--	25	--	--	25	--	01	--	--	--	01
301011	Audit Course I: Professional Ethics and Etiquettes/ Sustainable Energy Systems	--	--	01	--	GR	--	--	--	GR	--	--	--	--	--	--
Total		15	10	02	150	350	100	50	50	700	15	02	01	02	01	21

Abbreviations: TH : Theory, TW: Term Work, PR : Practical, OR: Oral, TUT : Tutorial, GR: Grade

Elective I: 301005

S N	Course Code	Course Name
01	301005 a	Advanced Fluid Mechanics and Hydraulic Machines
02	301005 b	Research Methodology and IPR
03	301005 c	Construction Management
04	301005 d	Advanced Concrete Technology
05	301005 e	Matrix Methods of Structural Analysis
06	301005 f	Advanced Mechanics of Structures

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	TW	PR	OR	TUT	Total
301012	Waste Water Engineering	03	--	--	30	70	--	--	--	100	03	--	--	--	03	
301013	Design of RC Structures	03	--	--	30	70	--	--	--	100	03	--	--	--	03	
301014	Remote Sensing and GIS	03	--	--	30	70	--	--	--	100	03	--	--	--	03	
301015	Elective II	03	--	--	30	70	--	--	--	100	03	--	--	--	03	
301016	Internship	--	--	--	--	--	100	--	--	100	--	04	--	--	04	
301017	Waste Water Engineering Lab	--	02	--	--	--	--	--	50	50	--	--	01	--	01	
301018	Design of RC Structures Lab	--	04	--	--	--	--	--	50	50	--	--	02	--	02	
301019	Remote Sensing and GIS Lab	--	02	--	--	--	50	--	--	50	--	01	--	--	01	
301020	Elective II Lab	--	02	--	--	--	50	--	--	50	--	01	--	--	01	
301021	Audit Course II: Leadership and Personality Development/ Industrial Safety	--	--	01	--	GR	--	--	--	GR	--	--	--	--	--	
Total		12	10	01	120	280	200	--	100	700	12	06	--	03	--	21

Abbreviations: TH : Theory, TW: Term Work, PR : Practical, OR: Oral and TUT : Tutorial, GR: Grade

Elective II: 301015

S N	Course Code	Course Name
01	301015 a	Advanced Engineering Geology with Rock Mechanics
02	301015 b	Soft Computing Techniques
03	301015 c	Advanced Surveying
04	301015 d	Advanced Geotechnical Engineering
05	301015 e	Architecture and Town Planning
06	301015 f	Solid Waste Management

Savitribai Phule Pune University



**Syllabus for SE (Civil Engineering) 2019 course
(To be implemented from June 2020)**

**Board of Studies in Civil Engineering
Faculty of Science and Technology
SPPU June 2020**

SE Civil

Savitribai Phule Pune University, Pune SE (Civil Engineering) 2019 Course (With effect from Academic Year 2020-21)

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
201001	Building Technology and Architectural Planning	03	-	-	30	70	-	-	-	100	03	-	-	03
201002	Mechanics of structure	03	-	-	30	70	-	-	-	100	03	-	-	03
201003	Fluid Mechanics	03	-	-	30	70	-	-	-	100	03	-	-	03
207001	Engineering Mathematics III	03	-	01	30	70	25	-	-	125	03	-	01	04
207009	Engineering Geology	03	-	-	30	70	-	-	-	100	03	-	-	03
201004	Building Technology and Architectural Planning Lab	-	04	-	-	-	50	-	-	50	-	02	-	02
201005	Mechanics of structure Lab	-	04	-	-	-	-	-	50	50	-	02	-	02
201006	Fluid Mechanics Lab	-	02	-	-	-	-	-	50	50	-	01	-	01
207010	Engineering Geology Lab	-	02	-	-	-	25	-	-	25	-	01	-	01
201007	Audit Course I Awareness to civil Engineering Practices / Road Safety Management / Foreign Language	-	01	-	-	Grade	-	-	-	Grade	-	-	-	-
Total		15	13	01	150	350	100	-	100	700	15	06	01	22

Abbreviations:

TH: Theory TW: Term Work PR : Practical OR: Oral TUT : Tutorial

Note: Interested students of S.E. (Civil) can opt any one of the audit courses from the list of audit courses prescribed by BoS (Civil Engineering)

Note for all the courses: The Underlined portion of the syllabus will be covered by video lectures/ on-line lectures/ flip classroom, self-study, NPTEL course lecture and/or using relevant ICT technique

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
201008	Geotechnical Engineering	03	-	-	30	70	-	-	-	100	03	-	-	03
201009	Survey	03	-	-	30	70	-	-	-	100	03	-	-	03
201010	Concrete Technology	03	-	-	30	70	-	-	-	100	03	-	-	03
201011	Structural Analysis	03	-	01	30	70	25	-	-	125	03	-	01	04
201012	Project management	03	-	-	30	70	-	-	-	100	03	-	-	03
201013	Geotechnical Engineering Lab	-	02	-	-	-	-	-	50	50	-	01	-	01
201014	Survey Lab	-	04	-	-	-	-	50	-	50	-	02	-	02
201015	Concrete Technology Lab	-	02	-	-	-	25	-	-	25	-	01	-	01
201017	Project Based Learning	-	04	-	-	-	50	-	-	50	-	02	-	02
201018	Audit Course II: Disaster Management	-	01	-	-	Grade	-	-	-	Grade	-	-	-	-
Total		15	13	01	150	350	100	50	50	700	15	06	01	22
Abbreviations: TH: Theory TW: Term Work PR : Practical OR: Oral TUT : Tutorial Note for all the courses: The Underlined portion of the syllabus will be covered by video lectures/ on-line lectures/ flip classroom, self-study, NPTEL course lectures and/or using relevant ICT technique														


HSBPVT's Gol
Faculty of Engineering, Kashti
Department of Civil Engineering

Date: 10/07/2023

Notice


Elective Subject Selection Sem I

All Civil Engineering Students are hereby informed that , as per SPPU syllabus you have to choose elective subjects (papers) for fulfilment of First Semester of final year curriculum. Elective subject list is given here. Before selecting elective subject it is suggested that, go through the detailed syllabus of each elective subject and then submit your elective subject choice to BE-Class Coordinator.


BE-Class Coordinator.


HOD,
Civil Department
Civil Engineering Department
Tal. Shrigonda, Dist. Ahmednagar




Principal
HSBPV Trust's, GOI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar

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DEPARTMENT OF CIVIL ENGG.

BE 2023-24 SEM -I ELECTIVE SUBJECTS and AUDIT COURSE-I SELECTION

Sr. No	Name of Student	Name of Elective-III (401003) Subjects					Audit Course I (401010)		Sign
		Coastal Engineering	Advanced Design of Concrete Structures	Advanced Design of Concrete Structures	Finite Element Method	Data Analytics	Operation Research	Stress Management by Yoga	
1	Adhav Prashant Balasaheb	✓							
2	Adhore Mayur Arjun	✓							
3	Chinchawale Harshl Pravin	✓							
4	Chitare Rohit Satish	✓							
5	Dhas Rutvik Shamrao	✓							
6	Dhotre Chetan Ashok	✓							
7	Gangarde Abhijeet C.	✓							
8	Gawali Navnath S.	✓							
9	Ghodke Utkarsh Prakash	✓							
10	Giramkar Bhushan Ramesh	✓							
11	Gore Bharti Pravin	✓							
12	Gore Nikhil Rajendra	✓							
13	Ilgar Basavraj Rangayya	✓							
14	Inamdar Gulib Akbar	✓							
15	Jadhav Ashwin Shivaji	✓							
16	Jagtap Rushikesh Shankar	✓							
17	Kakde Kiran Vijay	✓							
18	Khan Tanviya Yusuf	✓							
19	Khatavkar Pratik Suryakant	✓							
20	Khedkar Vishal Bandu	✓							
21	Lagad Shrinivas Nitin	✓							
22	Lalge Nikhil Vishnu	✓							
23	Langhi Archana Namdev	✓							
24	Lashakar Akash Raosaheb	✓							
25	Londhe Rohini Gautam	✓							
26	Magar Ankita Ashok	✓							
27	Mahajan Anurag Prasad	✓							
28	Mane Aniket Savleram	✓							
29	Nagwade Tejas Sachin	✓							
30	Narware Rushikesh Eknath	✓							
31	Nandkhile Gaurav Jalindar	✓							
32	Navsare Anandesh Sahebrao	✓							
33	Nimbalkar Abhijit Dattatray	✓							
34	Pachpute Swapnil Rajendra	✓							
35	Pawar Ashitosh Ramdas	✓							
36	Ransing Aniket Pravin	✓							

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DEPARTMENT OF CIVIL ENGG.**

BE 2023-24 SEM-4 ELECTIVE SUBJECTS SELECTION

Sr. No	Name of Student	Name of Elective-IV(401004) Subjects					Formwork and Plumbing Engineering	Sign
		Air Pollution and Control	Advanced Design of Steel Structures	Statistical Analysis and Computational Method	Airport and Bridge Engineering	Design of Prestressed Concrete Structures		
1	Adhav Prashant Balasahab	✓						<i>[Signature]</i>
2	Adhore Mayur Arjun	✓						<i>[Signature]</i>
3	Chinchawale Harshl Pravin	✓						<i>[Signature]</i>
4	Chitare Rohit Satish	✓						<i>[Signature]</i>
5	Dhas Rutvik Shamrao	✓						<i>[Signature]</i>
6	Dhotre Chetan Ashok	✓						<i>[Signature]</i>
7	Gangarde Abhijeet C.	✓						<i>[Signature]</i>
8	Gawali Navnath S.	✓						<i>[Signature]</i>
9	Ghodke Utkarsh Prakash	✓						<i>[Signature]</i>
10	Giramkar Bhushan Ramesh	✓						<i>[Signature]</i>
11	Gore Bhaarti Pravin	✓						<i>[Signature]</i>
12	Gore Nikhil Rajendra	✓						<i>[Signature]</i>
13	Ilgar Basavraj Rangyya	✓						<i>[Signature]</i>
14	Inamdar Galib Akbar	✓						<i>[Signature]</i>
15	Jadhav Ashwin Shivaji	✓						<i>[Signature]</i>
16	Jagtap Rushikesh Shankar	✓						<i>[Signature]</i>
17	Kokde Kiran Vijay	✓						<i>[Signature]</i>
18	Khan Tanviya Yusuf	✓						<i>[Signature]</i>
19	Khatavkar Pratik Suryakant	✓						<i>[Signature]</i>
20	Khedkar Vishal Ramdu	✓						<i>[Signature]</i>
21	Lagad Shrinivas Nitin	✓						<i>[Signature]</i>
22	Lalge Nikhil Vishnu	✓						<i>[Signature]</i>
23	Langhi Archana Namdev	✓						<i>[Signature]</i>
24	Lashkar Akash Raosaheb	✓						<i>[Signature]</i>
25	Londhe Rohini Gautam	✓						<i>[Signature]</i>
26	Magar Ankita Ashok	✓						<i>[Signature]</i>
27	Mahajan Anurag Anurag	✓						<i>[Signature]</i>
28	Mane Aniket Savitram	✓						<i>[Signature]</i>
29	Nagwade Tejas Sachin	✓						<i>[Signature]</i>
30	Nanaware Rushikesh Eknath	✓						<i>[Signature]</i>
31	Nanulkhile Gaurav Jalindar	✓						<i>[Signature]</i>
32	Navsare Aadesh Sahebrao	✓						<i>[Signature]</i>


HSBPVT's GoI
Faculty of Engineering, Kashti
Department of Civil Engineering


Date: 10/07/2023

Notice

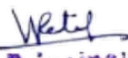
Elective Subject Selection Sem I

All Civil Engineering Students are hereby informed that, as per SPPU syllabus you have to choose elective subjects (papers) for fulfilment of First Semester of final year curriculum. Elective subject list is given here. Before selecting elective subject it is suggested that, go through the detailed syllabus of each elective subject and then submit your elective subject choice to TE-Class Coordinator.


TE-Class Coordinator.


HOD
Civil Department
HSBPVT's GoI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar
HOD,
Civil Engineering Department




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HSBPVT's GoI, Faculty of Engineering
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DEPARTMENT OF CIVIL ENGG.

TE 2023-24 SEM -I ELECTIVE SUBJECTS and AUDIT COURSE-I SELECTION

Sr. No	Name of Student	Name of (Elective I: 301005) Subjects					Audit Course I (301011)		Sign
		Advanced Fluid Mechanics and Hydraulic Machines	Research Methodology and IPR	Construction Management	Advanced Concrete Technology	Matrix Methods of Structural Analysis	Advanced Mechanics of Structures	Professional Ethics and Etiquette	
1	Bhoite Manjusha Bhagchand				✓				
2	Ghayad Prashant Balu				✓				Manjusha
3	Ghule Dnyaneshwar Bhausaheb				✓				Ghayad
4	Gorakhe Rahul Vijay				✓				Ghule
5	Inamdar Bushra Yasin				✓				Gorakhe
6	Jamaadar Mohinoddin Yunus				✓				Inamdar
7	Kadam Raj Anil				✓				Jamaadar
8	Kalaskar Mayur Anil				✓				Kadam
9	Khedkar Sudarshan Ajinath				✓				Kalaskar
10	Khise Ashish Sanjay				✓				Khedkar
11	Makhare Yashraj Bandu				✓				Khise
12	Mande Sameer Balasaheb				✓				Makhare
13	Mane Shubham Pandurang				✓				Mande
14	Pawar Abhimanyu Shankar				✓				Mane
15	Pawar Abhishek Shankar				✓				Pawar
16	Sathe Sagar Balu				✓				Pawar
17	Satpute Sarang Laxmanrao				✓				Sathe
18	Shendage Vishal Sahadu				✓				Satpute
19	Shinde Jay Bhalchandra				✓				Shendage
20	Toradmal Pravin Rajendra				✓				Shinde
21	Yanbhar Akash Rajaram				✓				Toradmal
22	Zagade Nikhil Ajinath				✓				Yanbhar

[Signature]
Class Coordinator

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Civil Department
HSBPVT's GOI, Faculty of Engineering
Rajapur, Dist. Amnagar


**Faculty of Engineering, Kashti
Department of Civil Engineering**


Date: 11/12/2023

Notice

Elective Subject Selection Sem II

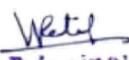
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TE-Class Coordinator.


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Civil Department
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Kashti Tal. Shrigonda, Dist. Ahmednagar

Civil Engineering Department




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HSBPVT's GOI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar

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DEPARTMENT OF CIVIL ENGG.

TE 2023-24 SEM -II ELECTIVE SUBJECTS and AUDIT COURSE-II SELECTION

Sr. No	Name of Student	Name of (Elective II: 301015) Subjects						Audit Course II (301021)		Sign
		Advanced Engineering Geology with Rock Mechanics	Soft Computing Techniques	Advanced Surveying	Advanced Geotechnical Engineering	Architecture and Town Planning	Solid Waste Management	Leadership and Personality Development	Industrial Safety	
1	Bhoite Manjusha Bhagchand				✓		✓	✓		Manjusha
2	Ghayad Prashant Balu						✓	✓		Prashant
3	Ghule Dnyaneshwar Bhausaheb						✓	✓		Ghule
4	Gorakhe Rahul Vijay						✓	✓		Gorakhe
5	Inamdar Bushra Yasin						✓	✓		Inamdar
6	Jamadar Mohinoddin Yunus						✓	✓		Jamadar
7	Kadam Raj Anil						✓	✓		Kadam
8	Kalaskar Mayur Anil						✓	✓		Kalaskar
9	Khedkar Sudarshan Ajjinath						✓	✓		Khedkar
10	Khise Ashish Sanjay						✓	✓		Khise
11	Makhare Yashraj Bandu						✓	✓		Makhare
12	Mande Sameer Balasaheb						✓	✓		Mande
13	Mane Shubham Pandurang						✓	✓		Mane
14	Pawar Abhimanyu Shankar						✓	✓		Pawar
15	Pawar Abhishek Shankar						✓	✓		Pawar
16	Sathe Sagar Balu						✓	✓		Sathe
17	Satpute Sarang Laxmanrao						✓	✓		Satpute
18	Shendage Vishal Sahadu						✓	✓		Shendage
19	Shinde Jay Bhalchandra						✓	✓		Shinde
20	Toradmal Pravin Rajendra						✓	✓		Toradmal
21	Yanbhar Akash Rajaram						✓	✓		Yanbhar
22	Zagade Nikhil Ajjinath						✓	✓		Zagade

[Signature]
Class Coordinator

[Signature]
Civil Department
HSBPVT's GOI, Faculty of Engineering
Kashti, Shrigonda, Dist. Ahmednagar

**HSBPVT's GOI, FOEKashti.
DEPARTMENT OF CIVIL ENGG.**

SE 2023-24 SEM -I AUDIT COURSE-I SELECTION

Sr. No	Name of Student	Audit Course I (201007)			Sign
		Awareness to civil Engineering Practices	Road Safety Management	Foreign Language	
1	Gote Aditya Rahul	✓			Aditya
2	Khetmalis Vaibhav Balasaheb	✓			V. Khet
3	Kuchekar Saurabh Rajendra	✓			K.S.R
4	Shinde Aditya	✓			Aditya
5	Abdar Sunil Popat	✓			Sunil
6	Amrale Ankita Prakash	✓			Ankita
7	Atole Sairaj Ishwar	✓			Atole
8	Avachar Rohan Janardan	✓			Rohan
9	Ban Haribhau Balasaheb	✓			Ban
10	Baravkar Sujit Anil	✓			Sujit
11	Bhalekar Vinayak Narayan	✓			B.V.N.
12	Bobade Sanket Keshav	✓			Sanket
13	Dhage Krishna Anil	✓			Krishna
14	Dhanake Abhishek Mahesh	✓			Abhishek
15	Gangarde Krushna Baban	✓			Krushna
16	Gore Vishal Laxman	✓			Vishal
17	Hirade Kiran Shivaji	✓			Kiran
18	Hirave Aniket Shahaji	✓			Aniket
19	Hirve Rohit Vitthal	✓			Rohit
20	Ithape Tushar Abasaheb	✓			Tushar
21	Jadhav Dnyaneshwari Ashok	✓			Dnyaneshwari
22	Jagdale Yash Ganesh	✓			Yash
23	Jagdhane Divyeash Nimba	✓			Divyeash
24	Jagtap Ganesh Sarjerao	✓			Ganesh
25	Janjire Prathamesh Suresh	✓			Prathamesh
26	Kadam Abhishek Narayan	✓			J.P.S.
27	Kadam Pravin Vasant	✓			Kabhi

28	Kapare Sagar Chandrakant	✓			K.S.C.
29	Kasare Om Satish	✓			Om
30	Kharade Aniket Rahul	✓			Aniket
31	Khendake Niranjan Laxman	✓			Niranjan
32	Machale Rutik Rajendra	✓			Rutik
33	Magar Sanketkumatr Suhas	✓			Sanket
34	Nagare Tejas Dilip	✓			Tejas
35	Pacharne Ganesh Eknath	✓			Ganesh
36	Pachpute Prathmesh Subhash	✓			Prathmesh
37	Pandit Rushikesh Ramesh	✓			Rushi
38	Pawar Vaibhavi Laxman	✓			Vaibhavi
39	Pirjade Sahil Shakur				Sahil
40	Pote Shruti Santosh	✓			Shruti
41	Rahinj Pratik Navanath	✓			Pratik
42	Sasane Shrikant Haridas	✓			Shrikant
43	Shelke Aniket Santosh	✓			Aniket
44	Shinde Shubhangi Rangnath	✓			Shubhangi
45	Thombare Nikhil Kalyan	✓			Nikhil
46	Tupe Omkar Ravindra	✓			Omkar
47	Unde Rutuja Avinash	✓			Rutuja
48	Wagaskar Pallavi Ambar	✓			Pallavi
49	Wagaskar Sandip Satish	✓			Sandip
50	Waghmode Digvijay Shilpesh	✓			Digvijay
51	Walunekar Rushikesh Arun	✓			Rushi
52	Zagade Niteen Kanta	✓			Niteen

Siva
Class Coordinator

P
HOD
Civil Department
K. J. Somaiya Institute of Engineering
and Information Technology
Vashi, Navi Mumbai


HSBPVT's GoI
Faculty of Engineering, Kashti
Department of Civil Engineering


Date: 11/12/2023

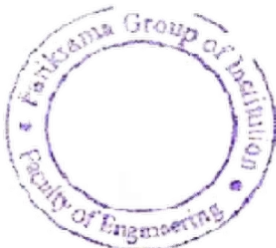
Notice

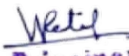
Elective Subject Selection Sem II

All Civil Engineering Students are hereby informed that , as per SPPU syllabus you have to choose elective subjects (papers) for fulfilment of First Semester of final year curriculum. Elective subject list is given here. Before selecting elective subject it is suggested that, go through the detailed syllabus of each elective subject and then submit your elective subject choice to BE-Class Coordinator.


BE-Class Coordinator.


HOD
Civil Engineering Department
HSBPVT's GoI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar
Civil Engineering Department




Principal
HSBPVT's GoI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar

**HSBPVT's GOI, FOE Kashti.
DEPARTMENT OF CIVIL ENGG.**

BE 2023-24 SEM-II ELECTIVE SUBJECTS and AUDIT COURSE-II SELECTION

Sr. No	Name of Student	Name of Elective-V (401013) Subjects						Audit Course II (401019)		Sign
		Earthquake Engineering	Structural Design of Bridges	Irrigation and Drainage	Design of Precast and Composite Structures	Hydropower Engineering	Structural Audit and Retrofitting of Structures	Social Responsibility	Human Rights	
1	Adhav Prashant Balasaheb					✓		✓		<i>[Signature]</i>
2	Adhore Mayur Arjun					✓		✓		<i>[Signature]</i>
3	Chinchawale Harshl Pravin					✓		✓		<i>[Signature]</i>
4	Chitare Rohit Satish					✓		✓		<i>[Signature]</i>
5	Dhas Rutvik Shamrao					✓		✓		<i>[Signature]</i>
6	Dhotre Chetan Ashok					✓		✓		<i>[Signature]</i>
7	Gangarde Abhijeet C.					✓		✓		<i>[Signature]</i>
8	Gawali Navnath S.					✓		✓		<i>[Signature]</i>
9	Ghodke Utkarsh Prakash					✓		✓		<i>[Signature]</i>
10	Girankar Bhushan Ramesh					✓		✓		<i>[Signature]</i>
11	Gore Bharti Pravin					✓		✓		<i>[Signature]</i>
12	Gore Nikhil Rajendra					✓		✓		<i>[Signature]</i>
13	Ilger Basavraj Rangayya					✓		✓		<i>[Signature]</i>
14	Inamdar Galib Akbar					✓		✓		<i>[Signature]</i>
15	Jadhav Ashwin Shivaji					✓		✓		<i>[Signature]</i>
16	Jagtap Rushikesh Shankar					✓		✓		<i>[Signature]</i>
17	Kakde Kiran Vijay					✓		✓		<i>[Signature]</i>
18	Khan Tanaiya Yusuf					✓		✓		<i>[Signature]</i>
19	Khatavkar Pratik Suryakant					✓		✓		<i>[Signature]</i>
20	Khedkar Vishal Bandu					✓		✓		<i>[Signature]</i>
21	Lagad Shrinivas Nitin					✓		✓		<i>[Signature]</i>
22	Lalge Nikhil Vishnu					✓		✓		<i>[Signature]</i>
23	Langhi Archana Namdev					✓		✓		<i>[Signature]</i>
24	Lashakar Akash Raosaheb					✓		✓		<i>[Signature]</i>
25	Londhe Rohini Gautam					✓		✓		<i>[Signature]</i>
26	Magar Ankita Ashok					✓		✓		<i>[Signature]</i>
27	Mahamuni Parashraman					✓		✓		<i>[Signature]</i>
28	Mane Aniket Savleram					✓		✓		<i>[Signature]</i>
29	Nagwade Tejas Sachin					✓		✓		<i>[Signature]</i>
30	Nanware Rushikesh Eknath					✓		✓		<i>[Signature]</i>
31	Nandkhile Gaarav Jalindar					✓		✓		<i>[Signature]</i>
32	Navsare Aadesh Sabendra					✓		✓		<i>[Signature]</i>
33	Nimbalkar Abhijit Dattatray					✓		✓		<i>[Signature]</i>
34	Pachpute Swapnil Rajendra					✓		✓		<i>[Signature]</i>
35	Pawar Ashitosh Ramdas					✓		✓		<i>[Signature]</i>

**HSBPVT's GOI, FOE Kashti,
DEPARTMENT OF CIVIL ENGG.**

BE 2023-24 SEM -II ELECTIVE SUBJECTS SELECTION

Sr. No	Name of Student	Name of Elective-VI (401014) Subjects					Sign
		TQM and MIS	Advanced Transportation Engineering	Geo Synthetic Engineering	Structural Design of Foundations	Green Structures and Smart Cities	
1	Adhav Prashant Balasaheb	✓					<i>[Signature]</i>
2	Adhore Mayur Arjun	✓					<i>[Signature]</i>
3	Chinchawale Harshl Pravin	✓					<i>[Signature]</i>
4	Chitane Rohit Satish	✓					<i>[Signature]</i>
5	Dhas Rutvik Shamrao	✓					<i>[Signature]</i>
6	Dhotre Chetan Ashok	✓					<i>[Signature]</i>
7	Gaigarde Abhijeet C.	✓					<i>[Signature]</i>
8	Gawali Navnath S.	✓					<i>[Signature]</i>
9	Ghodke Utkarsh Prakash	✓					<i>[Signature]</i>
10	Girankar Bhushan Ramesh	✓					<i>[Signature]</i>
11	Gore Bhaarti Pravin	✓					<i>[Signature]</i>
12	Gore Nikhil Rajendra	✓					<i>[Signature]</i>
13	Ilger Basavraj Rangayya	✓					<i>[Signature]</i>
14	Inamdar Galib Akbar	✓					<i>[Signature]</i>
15	Jadhav Ashwin Shivraji	✓					<i>[Signature]</i>
16	Jagtap Rushikesh Shankar	✓					<i>[Signature]</i>
17	Kakde Kiran Vijay	✓					<i>[Signature]</i>
18	Khan Tanaya Yusuf	✓					<i>[Signature]</i>
19	Khatavkar Pratik Suryakant	✓					<i>[Signature]</i>
20	Khedkar Vishal Bandu	✓					<i>[Signature]</i>
21	Lagad Shrinivas Nitin	✓					<i>[Signature]</i>
22	Lalge Nikhil Vishnu	✓					<i>[Signature]</i>
23	Lalghi Archana Namdev	✓					<i>[Signature]</i>
24	Lashakar Akash Ramesh	✓					<i>[Signature]</i>
25	Londhe Robini Gautam	✓					<i>[Signature]</i>
26	Magar Ankita Ashok	✓					<i>[Signature]</i>
27	Mane Aniket Savkram	✓					<i>[Signature]</i>
28	Mane Aniket Savkram	✓					<i>[Signature]</i>
29	Nagwade Tejas Suchin	✓					<i>[Signature]</i>
30	Namware Rushikesh Eknath	✓					<i>[Signature]</i>
31	Nandkshile Gaurav Jalindar	✓					<i>[Signature]</i>
32	Navsare Aadesh Subhraj	✓					<i>[Signature]</i>
33	Nimbalkar Abhijit Dattatray	✓					<i>[Signature]</i>

Faculty of Engineering
Savitribai Phule Pune University, Pune
Maharashtra, India



Curriculum
for
Fourth Year of Computer Engineering
(2019 Course)
(With effect from 2022-23)

Savitribai Phule Pune University
Fourth Year of Computer Engineering (2019 Course)
 (With effect from Academic Year 2022-23)

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**Curriculum
for
Third Year of Computer Engineering
(2019 Course)**

(With effect from 2021-22)



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Faculty of Science and Technology

**Savitribai Phule Pune University
Maharashtra, India**

Savitribai Phule Pune University
Third Year of Computer Engineering (2019 Course)
 (With effect from Academic Year 2021-22)

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Maharashtra, India**



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**Curriculum
for
Second Year of Computer Engineering
(2019 Course)
(With effect from 2020-21)**

Savitribai Phule Pune University
Second Year of Computer Engineering (2019 Course)
 (With effect from Academic Year 2020-21)

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HSBPVT's GOI
Faculty of Engineering, Kashti
Department of Computer Engineering

A.Y. 2023-24

Class-TE

Elective Subjects & Audit Course Selection List-Sem_I

Elective I	Audit Course
310245(A): Internet of Things and Embedded Systems	310250(A): Cyber Security
310245(B): Human Computer Interface	310250(B): Professional Ethics and Etiquettes
310245(C): Distributed Systems	310250(C): Learn New Skills- Full Stack Developer
310245(D): Software Project Management	310250(D): Engineering Economics
---	310250(E): Foreign Language (Japanese)-Module 3

Roll.No.	Student Name	Elective -1	Audit Course	Sign
1	AJABE SANTOSH VILAS	310245(A)	310250(B)	
2	AKASH KAILAS CHAVAN	310245(A)	310250(B)	
3	AMALE RUTUJA PRABHAKAR	310245(A)	310250(B)	
4	BADE ONKAR SURESH	310245(A)	310250(B)	
5	BARGAL SANIKA SANTOSH	310245(A)	310250(B)	
6	BHAGAT POONAM SHASHIKANT	310245(A)	310250(B)	
7	BHAND VAISHNAVI ANANDA	310245(A)	310250(B)	
8	BHILANGE AISHWARIYA MUKUND	310245(A)	310250(B)	
9	BHOSALE SAIEE PRAMOD	310245(A)	310250(B)	
10	BHOSALE SANKET BAPURAO	310245(A)	310250(B)	
11	BHOSALE SWAPNALI BAPURAO	310245(A)	310250(B)	



HSBPVT's GOI
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Department of Computer Engineering

A.Y. 2023-24

Class-TE

12	BOKEFOD SIDDHESH PRADIP	310245(A)	310250(B)	<u>[Signature]</u>
13	BORATE AKSHAY SADASHIV	310245(A)	310250(B)	A.S. Borate
14	CHAVHAN PRASHANT SAMPAT	310245(A)	310250(B)	<u>[Signature]</u>
15	DIGHE OM DATTATRAY	310245(A)	310250(B)	<u>[Signature]</u>
16	GADE NEHA PRAMOD	310245(A)	310250(B)	Gade
17	GAYAKE ABHISHEK RAJENDRA	310245(A)	310250(B)	<u>[Signature]</u>
18	GHARATE DEVENDRA HIRAMAN	310245(A)	310250(B)	<u>[Signature]</u>
19	GIRAMKAR SHRUSHTI ANKUSH	310245(A)	310250(B)	Shrushti
20	GORE GANESH MARUTI	310245(A)	310250(B)	Gore
21	GOSAVI ATHARV RAJESH	310245(A)	310250(B)	Gosavi
22	GURSALI APURVA DATTATRAY	310245(A)	310250(B)	Apurva
23	HIRADE POONAM SAHEBRAO	310245(A)	310250(B)	<u>[Signature]</u>
24	HIRADE VISHWAS SANJAY	310245(A)	310250(B)	<u>[Signature]</u>
25	HOLKAR ROHIT JALINDAR	72210610G	72210610G	Rohit
26	JADHAV AVINASH SOPANA	72210611E	72210611E	<u>[Signature]</u>
27	JADHAV RAHUL GORAKH	310245(A)	310250(B)	<u>[Signature]</u>
28	JAMBE NIKITA MOTIRAM	310245(A)	310250(B)	Nikita
29	KAKADE KOHRAJ GAJANAN	310255(A)	310250(B)	Kohraj
30	KALE ROHAN RAOSAHEB	310245(A)	310250(B)	Rohan
31	KANDEKAR ROHINI SUKHDEV	310245(A)	310250(B)	Rohini
32	KHAMKAR ROHIT POPAT	310245(A)	310250(B)	Rohit
33	KHEDKAR TEJASVI VITTHAL	310245(A)	310250(B)	Tejasvi



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A.Y. 2023-24

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34	KHUPTA SIDDHANT ABHAY	310245 (A)	310250(B)	<u>Khupta</u>
35	KOKAT ABHIJEET BALASAHEB	310245(A)	310250(B)	<u>Kokat</u>
36	LAGAD ROHAN SANDIP	310245(A)	310250(B)	<u>Lagad</u>
37	LOKHANDE GOVINDA KHANDU	310245(A)	310250(B)	<u>G. Lokhande</u>
38	LOKHANDE NEHA MARUTI	310245(A)	310250(B)	<u>Neha</u>
39	NAGAWADE PRATIK BHASKARRAO	310245(A)	310250(B)	<u>Nagawade</u>
40	NANDKHILE ABHISHEK SUNIL	310245(A)	310250(B)	<u>Abhishek</u>
41	NAVALE KOMAL JALINDAR	310245(A)	310250(B)	<u>Komal</u>
42	NIGADE GAURAV SANDIP	310245(A)	310250(B)	<u>Nigade</u>
43	PACHPUTE HARSHWARDHAN RAJENDRA	310245(A)	310250(B)	<u>Pachpute</u>
44	PADOLE PRANIT SHAHADEV	310245(A)	310250(B)	<u>Padole</u>
45	PANDIT ROSHANI SURESH	310245(A)	310250(B)	<u>Pandit</u>
46	PARAKHE SAURABH SANTOSH	310245(A)	310250(B)	<u>Parakhe</u>
47	PARKALE SAKSHI MOHAN	310245(A)	310250(B)	<u>Parkale</u>
48	PAWAR AKANKSHA DATTATRAYA	310245(A)	310250(B)	<u>Pawar</u>
49	PAWAR AMOL NARSING	310245(A)	310250(B)	<u>Pawar</u>
50	PAWAR OM SANTOSH	310245(A)	310250(B)	<u>Pawar</u>
51	PAWAR TANMAY DATTATRAY	310245(A)	310250(B)	<u>T.D.P</u>
52	PETKAR RUTIK RAJENDRA	310245(A)	310250(B)	<u>R.R. Petkar</u>
53	PRATHAMESH NITIN SONAWANE	310245(A)	310250(B)	<u>Prathamesh</u>
54	RUTUJA RAJENDRA SABALE	310245(A)	310250(B)	<u>Rutuja</u>
55	SALUNKE YASH SUDARSHAN	310245(A)	310250(B)	<u>Yash</u>



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56	SHAIKH ARJU DILAWAR	310245(A)	310250(B)	
57	SHAIKH ASIM BASHIR	310245(A)	310250(B)	A.B shai kh
58	SHAIKH SHANZEY ADIL	310245(A)	310250(B)	
59	SHINDE PRASANNA NAVNATH	310245(A)	310250(B)	
60	SHITOLE SANCHIT BALASO	310245(A)	310250(B)	
61	SONAWANE JANVI SANTOSH	310245(A)	310250(B)	Janvi
62	SONAWANE SAHIL SANTOSH	310245(A)	310250(B)	Sahil
63	TAKALE RUPALI SHRIKANT			Takale
64	TAMBOLI RAFAT IQBAL	310245(A)	310250(B)	Rafat.
65	TANDALE TUSHAR KRUSHNA	310245(A)	310250(B)	
66	TEKALE PRANJAL SHIVDAS	310245(A)	310250(B)	Pranjali
67	THORAT SUCHITA SHIVAJI	310245(A)	310250(B)	Suchita
68	TIMUNE SURAJ SUBHASH	310245(A)	310250(B)	Suraj
69	TUPE MANISHA NANA	310245(A)	310250(B)	M.N Tupe
70	UNDE RUSHIKESH SANTOSH	310245(A)	310250(B)	
71	VANJARE SNEHA DNYANDEV	310245(A)	310250(B)	Sanjari
72	WAGASKAR ARATI SHARAD	310245(A)	310250(B)	Arati
73	WAKADE VAIBHAV LAXIMAN	310245(A)	310250(B)	Vk
74	WAKTE SANGRAM ANIL	310245(A)	310250(B)	



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Elective Subjects & Audit Course Selection List- Sem II TE

Elective II
310254(A): Information Security
310254(B): Augmented and Virtual Reality
310254(C): Cloud Computing
310254(D): Software Modelling and Architecture
310259: Audit Course 6 Options:
AC6- I Digital and Social Media Marketing
AC6- II Sustainable Energy Systems
AC6- III Leadership and Personality Development
AC6- IV Foreign Language (one of Japanese/Spanish/French/German). Course contents for Japanese (Module 4) are provided. For other languages institute may design suitably
AC6- V MOOC- Learn New Skills

Write your choice for elective subject as A/B/C/D/E &

Audit Course choice I/II/III/IV/V

Roll No.	Student Name	Elective -III	Audit Course	Sign
1	ABHISHEK RAJENDRA GAYAKE	cloud computing	leadership & personality dev	
2	AJABE SANTOSH VILAS	cloud computing	leadership & personality dev	
3	AKASH KAILASH CHAVAN	cloud computing	leadership & personality dev	
4	BADE ONKAR SURESH	cloud computing	leadership & personality dev	
5	BARGAL SANIKA SANTOSH	cloud computing	leadership & personality dev	
6	BHAGAT POONAM SHASHIKANT	cloud computing	leadership & personality dev	
7	BHAND VAISHNAVI ANANDA	cloud computing	leadership & personality dev	V.A. Bhand
8	BHILANGE AISHWARYA MUKUND	cloud computing	leadership & personality dev	
9	BHOSALE SAIEE PRAMOD	cloud computing	leadership & personality dev	S.P. Bhosale
10	BHOSALE SANKET BAPURAO	cloud computing	leadership & personality dev	



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Roll No.	Student Name	Elective- III	Audit Course	Sign
11	BHOSALE SWAPNALI BAPURAO	cloud computing	leadership and personality dev.	<u>Swapnali</u>
12	BOKEFOD SIDDHESH PRADIP	Cloud computing	leadership & personality dev	<u>S</u>
13	BORATE AKSHAY SADASHIV	Cloud computing	Leadership & personality dev.	A.S.Borate.
14	CHAVHAN PRASHANT SAMPAT	cloud computing	leadership and personality dev.	<u>Pr</u>
15	DIGHE OM DATTATRAY	cloud computing	Leadership & personality dev.	<u>Om</u>
16	GADE NEHA PRAMOD	cloud computing	Leadership & personality dev.	<u>Neha</u>
17	GAYAKE ABHISHEK RAJENDRA	cloud computing	Leadership & personality dev.	<u>ABR</u>
18	GHARATE DEVENDRA HIRAMAN			
19	GIRAMKAR SHRUSHTI ANKUSH	Cloud computing	leadership and personality dev.	<u>Shrushti</u>
20	GORE GANESH MARUTI	cloud computing	leadership & personality dev.	<u>Gore</u>
21	GURSALI APURVA DATTATRAY	cloud computing	leadership & personality dev.	<u>Apurva</u>
22	HIRADE POONAM SAHEBRAO	cloud computing	leadership and personality dev.	<u>Poonam</u>
23	HIRADE VISHWAS SANJAY	cloud computing	Leadership	<u>VS</u>
24	HOLKAR ROHIT JALINDAR	cloud computing	Leadership and personality dev.	<u>Rohit</u>
25	JADHAV AVINASH SOPANA	cloud computing	Leadership and personality dev.	<u>Avinash</u>
26	JADHAV RAHUL GORAKH	cloud computing	Leadership & personality dev.	<u>Rahul</u>
27	JAMBE NIKITA MOTIRAM	cloud computing	Leadership & personality dev.	<u>Nikita</u>
28	KAKADE KOHRAJ GAJANAN	cloud computing	Leadership & personality dev.	<u>Kohraj</u>
29	KALE ROHAN RAOSAHEB	cloud computing	Leadership & personality dev.	<u>Rohan</u>
30	KANDEKAR ROHINI SUKHDEV	cloud computing	Leadership & personality dev.	<u>Rohini</u>
31	Khamkar Rohit Popat	Cloud computing	leadership and personality dev.	<u>Rohit</u>
32	KHEDKAR TEJASVI VITTHAL	cloud computing	Leadership & personality dev.	<u>Tejasvi</u>
33	KHUPTE SIDDHANT ABHAY	cloud computing	Leadership & personality dev.	<u>Siddhant</u>
34	KOKAT ABHJEET KOKAT	cloud computing	Leadership & personality dev.	<u>Abhjeet</u>
35	LAGAD ROHAN SANDIP	cloud computing	Leadership & personality dev.	<u>Rohan</u>
36	LOKHANDE GOVINDA KHANDU	Cloud computing	Leadership & personality dev.	<u>Govind</u>
37	LOKHANDE NEHA MARUTI	cloud computing	Leadership and personality dev.	<u>Neha</u>



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Roll No.	Student Name	Elective -III	Audit Course	Sign
38	NAGAWADE PRATIK BHASKARRAO	cloud computing	Leadership & personality development	
39	NANDKHILE ABHISHEK SUNIL	cloud computing	Leadership & personality development	
40	NAVALE KOMAL JALINDAR	cloud computing	Leadership & personality development	
41	NIGADE GAURAV SANDIP			
42	PACHPUTE HARSHWARDHAN .R.	Cloud Computing	Leadership & Personality Development	
43	PADALE VINAYAK SAYAJI			
44	PADOLE PRANIT .S			
45	PANDIT ROSHANI SURESH	cloud computing	Leadership & personality development	
46	PARKALE SAKSHI MOHAN	cloud computing	Leadership & personality development	
47	PARKHE SAURABH SANTOSH			
48	PAWAR AKANKSHA DATTATRAYA	cloud comp uting	Leadership & Personality develop ment	
49	PAWAR AMOL NARSING			
50	PAWAR OM SANTOSH	cloud computing	Leadership	
51	PAWAR TANMAY DATTATRAY	cloud computing	Leadership	
52	PETKAR RUTIK RAJENDRA	cloud computing	Leadership	
53	PRATHAMESH NITIN SONAWANE	cloud computing	Leadership & P.	
54	RUTUJA RAJENDRA SABALE	cloud Computing	Leadership & Personality devel.	
55	SALUNKE YASH SUDARSHAN	Cloud computing	Leadership	
56	SHAIKH ARJU DILAWAR	cloud computing	Leadership & Personality development	
57	SHAIKH ASIM BASHIR	cloud computing	Leadership	
58	SHAIKH SHANZEY ADIL	cloud computing	Leadership & Personality development	
59	SHINDE PRASANNA NAVNATH	cloud computing	Leadership & Personality dev	
60	SHITOLE SANCHIT BALASO	Cloud computing	Leadership & P.	
61	SONAWANE JANVI SANTOSH	Cloud Computing	Leadership & Personality devel	
62	SONAWANE SAHIL SANTOSH	cloud computing	Leadership	



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Roll No.	Student Name	Elective -III	Audit Course	Sign
63	TAKALE RUPALI SHRIKANT	Cloud Computing	Leadership & Personality development	Rupali
64	TAMBOLI RAFAT IQBAL	Cloud Computing	Leadership & Personality development	Rafat
65	TANDALE TUSHAR KRUSHNA	Cloud Computing	Leadership & Personality development	Tandale
66	TEKALE PRANJAL SHIVDAS	Cloud Computing	Leadership & Personality development	Pranjale
67	THORAT SUCHITA SHIVAJI	Cloud Computing	Leadership & Personality development	Suchita
68	TIMUNE SURAJ SUBHASH	Cloud Computing	Leadership & Personality development	Suraj
69	TUPE MANISHA NANA	cloud computing	Leadership & personal development	Manisha
70	UNDE RUSHIKESH SANTOSH			
71	Vanjare Sneha Dnyandev	cloud computing	Leadership & personality development	Vanjare
72	WAGASKAR ARATI SHARAD	cloud computing	Leadership & personality dev	Arati
73	WAKADE VAIBHAV LAXIMAN	cloud computing	Leadership	Wakade
74	WAKTE SANGRAM ANIL			



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Elective Subjects & Audit Course Selection List-Sem_I

Elective I	Elective II	Audit Course
410244(A): Pervasive Computing	410245(A): Information Retrieval	AC7-I: MOOC- Learn New Skills
410244(B): Multimedia Techniques	410245(B): GPU Programming and Architecture	AC7-II Entrepreneurship Development
410244(C): Cyber Security and Digital Forensics	410245(C): Mobile Computing	AC7-III: Botnet of Things
410244(D): Object oriented Modeling and Design	410245 (D): Software Testing and Quality Assurance	AC7- IV: 3D Printing
410244(E): Digital Signal Processing	410245(E): Compilers	AC7-V: Industrial Safety and Environment Consciousness

Roll.No.	Student Name	Elective -1	Elective-2	Audit Course	Sign
1	MUTHAL SARIKA GOKULDAS	410244	410245	AC7	
2	BANKAR MAYUR DADA	410244	410245	AC7	
3	BHOITE SHUBHAM RAMA	410244	410245	AC7	
4	BHOSALE SAKSHI SANJAY	410244	410245	AC7	
5	BHUJBAL BHAVESH GANGADHAR	410244	410245	AC7	
6	BODAKHE SAKSHI RAJESH	410244	410245	AC7	
7	BORKAR ROHAN RAMDAS	410244	410245	AC7	
8	DHAVADE SARIKA GORAKH	410244	410245	AC7	
9	DIVEKAR NIKHIL VILAS	410244	410245	AC7	
10	GADE PRITI MACHHINDRA	410244	410245	AC7	
11	GADE SHUBHAM PARSHURAM	410244	410245	AC7	
12	GAIKWAD VAIBHAV BABASAHEB	410244	410245	AC7	
13	GANDHALE PRADNYA TATYASO	410244	410245	AC7	
14	GAWALI AKANKSHA KUNDLIK	410244	410245	AC7	



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15	GAWALI SAYALI NANDU	410244	410245	AET	<u>Sayali</u>
16	GHEGADE MAYURI CHANDRAKANT	410244	410245	AET	<u>Mayuri</u>
17	GHODKE SHRUSHTI PRAKASH	410244	410245	AET	<u>Ghodke</u>
18	GODASE SMITA MANIK	CSDP	STQA	AET	<u>Smites</u>
19	GUNJAL KAJAL DATTATRAY	CSDP	410245	AET	<u>Gunjali</u>
20	JADHAV MRUNAL RAMDAS	410244	410245	ACT	<u>Jadhav</u>
21	JADHAV SOHAM GANESH	410244	410245	ACT	<u>Jadhav</u>
22	JADHAV TEJAS VINOD	410244	410245	ACT	<u>T.V. Jadhav</u>
23	JAGTAP PRASHANT KANTILAL	410244	410245	ACT	<u>Jagtap</u>
24	JANGALE NEHA BHASKAR	410244	410245	ACT	<u>Jangale</u>
25	JATHAR PALLAVI RAMESH	410244	410245	ACT	<u>Jathar</u>
26	KADAM ARJUN ANIL	410244	410245	ACT	<u>Kadam</u>
27	KAKADE KOMAL KISAN	410244	410245	ACT	<u>Kakade</u>
28	KALANE BHAGYASHRI BANDU	410244	410245	AET	<u>Bhagyashri</u>
29	KARALE SUMIT DNYANDEV	410244	410245	AET	<u>Karale</u>
30	KHAMKAR SNEHAL BHAUSAHEB	410244	410245	AET	<u>Khamkar</u>
31	KOPNAR SHANTILAL PIVRAJ	410244	410245	ACT	<u>Kopnar</u>
32	KOWE ANKIT PARSHURAM	410244	410245	ACT	<u>Kowe</u>
33	LADKAT ONKAR NAMDEV	410244	410245	ACT	<u>Ladkat</u>
34	LOKHANDE GAYATRI DIGAMBAR	410244	410245	AC	<u>Lokhande</u>
35	MACHALE MANJUSHRI SURESH	410244	410245	ACT	<u>Machale</u>
36	MACHALE SHAM ASHOK	410244	410245	ACT	<u>Machale</u>
37	MANE SHUBHAM BALU	410244	410245	ACT	<u>Mane</u>
38	MARKAD AKSHAY SANJAY	410244	410245	ACT	<u>Markad</u>
39	MORE MAYUR SHRIRAM	410244	410245	ACT	<u>More</u>
40	MUTHAL AMRUTA BALASAHEB	410244	410245	ACT	<u>Muthal</u>
41	NIKAM MAHESH DEOMAN	410244	410245	ACT	<u>Nikam</u>
42	NIKAM SHUBHANGI BHIVA	410244	410245	ACT	<u>Nikam</u>



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43	PADALE VINAYAK SAYAJI				
44	PANDARKAR SAKSHI SUNIL	410244	410245	ACT	<u>SPati</u>
45	PANDARKAR VAIBHAV VASANT	410244	410245	ACT	<u>Utkarsh</u>
46	PARDESHI VISHAKHA SUKHDEVISING	410244	410245	ACT	<u>Rishabh</u>
47	PATHAN SIMRAN SIKANDAR	410244	410245	ACT	<u>Ramona</u>
48	PATHARE UJJWALA BALASAHEB	410244	410245	ACT	<u>Deshraj</u>
53	PAWAR AKANKSHA TUKARAM	410244	410245	ACT	<u>Akhil</u>
54	PAWAR AKASH SANJAY	410244	410245	ACT	<u>Pranav</u>
55	RAHINJ PRATIKSHA YUVRAJ	410244	410245	ACT	<u>Pratiksha</u>
56	RAJGURU AKSHAY DIPAK	410244	410245	ACT	<u>Rajguru</u>
57	RAJNANDINI SHARAD TIKKAL	410244	410245	ACT	<u>Rajni</u>
58	RAYKAR VAISHNAVI SOMNATH	410244	410245	ACT	<u>RS</u>
59	RUSHIKESH KISAN KAMBLE	410244	410245	ACT	<u>Rushikesh</u>
60	SALVE PRIYA CHIHAGAN	410244	410245	ACT	<u>Sachin</u>
61	SAPRE NEHA RAVINDRA	410244	410245	ACT	<u>Sapre</u>
62	SHELAR ANIKET DATTARAY	410244	410245	ACT	<u>Sekar</u>
63	SHELAR KAJAL SHIVAJI	410244	410245	ACT	<u>Kajal</u>
64	SHENDAGE PRASHANT SANJAY	410244	410245	ACT	<u>Shendage</u>
65	SHINARE SAKSHI SAMPAT	410244	410245	ACT	<u>RS</u>
66	SHIRKE VAISHNAVI ARVIND	410244	410245	ACT	<u>Shirke</u>
67	SHITAL RAMESH JADHAV	410244	410245	ACT	<u>Shital</u>
68	SHRIKANT RAJENDRA JAGTAP	410244	410245	ACT	<u>Shri</u>
69	SUPEKAR VAIBHAV NANDKUMAR	410244	410245	ACT	<u>Supekar</u>
70	TIKOLE SNEHAL SANTOSH	410244	410245	ACT	<u>Snehal</u>
71	TODMAL RUTUJA ASHOK	410244	410245	ACT	<u>Rutuja</u>
72	UDAMALE DIPAK HANUMAN	410244	410245	ACT	<u>Udamale</u>

Zagade Onkar Ajun 410244 410245 ACT Zagade

Sanket Pratap Yadav 410245 ACT Sanket

Dange Asmita Chandrakant 410245 ACT Dange

Wolke Shivom Ramesh 410245 ACT Shivom



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Elective subject selection List- BE Sem-2

Elective V	Elective VI	Audit Course 8(AC8) Options:
410252(A) Natural Language Processing	410253(A) Pattern Recognition	AC8- I Usability Engineering
410252(B) Image Processing	410253(B) Soft Computing	AC8- II Conversational Interfaces
410252(C) Software Defined Networks	410253(C) Business Intelligence	AC8- II Social Media and Analytics
410252(D) Advanced Digital Signal Processing	410253(D) Quantum Computing	AC8- IV MOOC- Learn New Skills
410252(E) Open Elective	410253(E) Open Elective	AC8- V Emotional Intelligence

Write your elective subject & Audit Course choice:

Roll. No.	Student Name	Elective -1	Elective-2	Audit Course	Sign
1	MUTHAL SARIKA GOKULDAS	410252(A)	410253(C)	AC8	
2	BANKAR MAYUR DADA	410252(A)	410253(C)	AC8	
3	BHOITE SHUBHAM RAMA	410252(A)	410253(C)	AC8	
4	BHOSALE SAKSHI SANJAY	410252CA)	410253(C)	AC8	
5	BHUJBAL BHAVESH GANGADHAR	410252(A)	410253(C)	AC8	
6	BODAKHE SAKSHI RAJESH	410252(A)	410253(U)	AC8	
7	BORKAR ROHAN RAMDAS	410252(A)	410253(C)	AC8	
8	DHAVADE SARIKA GORAKH	410252(A)	410253(C)	AC8	
9	DIVEKAR NIKHIL VILAS	410252(A)	410253(C)	AC8	
10	GADE PRITI MACHHINDRA	410252(A)	410253(C)	AC8	
11	GADE SHUBHAM PARSHURAM	410252(A)	410253(C)	AC8	
12	GAIKWAD VAIBHAV BABASAHEB	410252CA)	410253(C)	AC8	

13	GANDHALE PRADNYA TATYASO	410252(A)	410253(C)	ACB	Panchmi
14	GAWALI AKANKSHA KUNDLIK	410252(A)	410253(C)	ACB	Gawali
15	GAWALI SAYALI NANDU	410252(A)	410253(C)	ACB	Sayali
16	GHEGADE MAYURI CHANDRAKANT	410252(A)	410253(C)	ACB	Mayuri
17	GHODKE SHRUSHTI PRAKASH	410252(A)	410253(C)	ACB	Ghodke
18	GODASE SMITA MANIK	410252(A)	410253(C)	ACB	Smita
19	GUNJAL KAJAL DATTATRAY	NLP	410253(C)	ACB	Gujal
20	JADHAV MRUNAL RAMDAS	NLP	410253(C)	ACB	Mrunal
21	JADHAV SOHAM GANESH	410252(A)	410253(C)	ACB	Soham
22	JADHAV TEJAS VINOD	410252(A)	410253(C)	ACB	T.V. Jadhav
23	JAGTAP PRASHANT KANTILAL	410252(A)	410253(C)	ACB	Jagtap
24	JANGALE NEHA BHASKAR	410252(A)	410253(C)	ACB	Jangale
25	JATHAR PALLAVI RAMESH	410252(A)	410253(C)	ACB	Jathar
26	KADAM ARJUN ANIL	410252(A)	410253(C)	ACB	Kadam
27	KAKADE KOMAL KISAN	410252(A)	410253(C)	ACB	Kakade
28	KALANE BHAGYASHRI BANDU	410252(A)	410253(C)	ACB	Kalane
29	KARALE SUMIT DNYANDEV	410252(A)	410253(C)	ACB	Karale
30	KHAMKAR SNEHAL BHAUSAHEB	410252(A)	410253(C)	ACB	Khamkar
31	KOPNAR SHANTILAL PIVRAJ	410252(A)	410253(C)	ACB	Kopnar
32	KOWE ANKIT PARSHURAM	410252(A)	410253(C)	ACB	Kowe
33	LADKAT ONKAR NAMDEV	410252(A)	410253(C)	ACB	Ladkat
34	LOKHANDE GAYATRI DIGAMBAR	410252(A)	410253(C)	ACB	Lokhande
35	MACHALE MANJUSHRI SURESH	410252(A)	410253(C)	ACB	Machale
36	MACHALE SHAM ASHOK	410252(A)	410253(C)	ACB	Machale
37	MANE SHUBHAM BALU	410252(A)	410253(C)	ACB	Mane
38	MARKAD AKSHAY SANJAY	410252(A)	410253(C)	ACB	A.S. Markad
39	MORE MAYUR SHRIRAM	410252(A)	410253(C)	ACB	More
40	MUTHAL AMRUTA BALASAHEB	410252(A)	410253(C)	ACB	Muthal
41	NIKAM MAHESH DEOMAN	410252(A)	410253(C)	ACB	Nikam

42	NIKAM SHUBHANGI BHIVA	410252(A)	410253(C)	ACB	<u>Nikam</u>
43	PADALE VINAYAK SAYAJI				
44	PANDARKAR SAKSHI SUNIL	410252(A)	410253(C)	ACB	<u>Salpal</u>
45	PANDARKAR VAIBHAV VASANT	410252(A)	410253(C)	ACB	<u>Pileli</u>
46	PARDESHI VISHAKHA SUKHDEVISING	410252(A)	410253(C)	ACB	<u>SilwS</u>
47	PATHAN SIMRAN SIKANDAR	410252(A)	410253(C)	ACT	<u>Skama</u>
48	PATHARE UJJWALA BALASAHEB	410252(A)	410253(C)	ACB	<u>Dhar</u>
49	PAWAR AKANKSHA TUKARAM	410252(C)	410253(C)	ACB	<u>(A) Pawar</u>
50	PAWAR AKASH SANJAY	410252(C)	410253(C)	ACB	<u>SPaul</u>
51	RAHINJ PRATIKSHA YUVRAJ	410252(C)	410253(C)	ACB	<u>Pette</u>
52	RAJGURU AKSHAY DIPAK	410252(C)	410253(C)	ACB	<u>Rajguru</u>
53	RAJNANDINI SHARAD TIKKAL	410252(C)	410253(C)	ACB	<u>Radgat</u>
54	RAYKAR VAISHNAVI SOMNATH	410244	410253(C)	ACB	<u>RS</u>
55	RUSHIKESH KISAN KAMBLE	410244(A)	410253(C)	ACB	<u>Rkamble</u>
56	SALVE PRIYA CHHAGAN	410244(A)	410253(C)	ACB	<u>SachinPc</u>
57	SAPRE NEHA RAVINDRA	410244(A)	410253(C)	ACB	<u>Sapre</u>
58	SHELAR ANIKET DATTARAY	410244(A)	410245(C)	ACB	<u>Shelar</u>
59	SHELAR KAJAL SHIVAJI	410252(A)	410253(C)	ACB	<u>Shelar</u>
60	SHENDAGE PRASHANT SANJAY	410252(A)	410253(C)	ACB	<u>Shendage</u>
61	SHINARE SAKSHI SAMPAT	410252(A)	410253(C)	ACB	<u>Shin</u>
62	SHIRKE VAISHNAVI ARVIND	410252(A)	410253(C)	ACB	<u>Shirke</u>
63	SHITAL RAMESH JADHAV	410252(A)	410253(C)	ACB	<u>Shital</u>
64	SHRIKANT RAJENDRA JAGTAP	410252(A)	410253(C)	ACB	<u>Shri</u>
65	SUPEKAR VAIBHAV NANDKUMAR	410252(A)	410253(C)	ACB	<u>Supekar</u>
66	TIKOLE SNEHAL SANTOSH	410252(A)	410253(C)	ACB	<u>Tikole</u>
67	TODMAL RUTUJA ASHOK	410252(A)	410253(C)	ACB	<u>Rutuja</u>
68	UDAMALE DIPAK HANUMAN	410252(A)	410253(C)	ACB	<u>Udamale</u>
69	UNDE PRATIKSHA SANJAY	410252(A)	410253(C)	ACB	<u>Pratiksha</u>
70	WALKE SHIVAM RAMESH	410252(A)	410253(C)	ACB	<u>Shivam</u>

71	YADAV SANKET PRATAP	410252(A)	410253(C)	ACB	<i>[Signature]</i>
72	ZAGADE ONKAR ARJUN	410252(A)	410253(C)	ACB	<i>[Signature]</i>



[Signature]
Principal
HSBPV Trust's GOI, Faculty of Engineering
Kashb, Tal. Strigonda, Dist. Ahmednagar

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE



Faculty of Science and Technology

**Board of Studies
Electrical Engineering**

**Syllabus
Final Year Electrical Engineering
(2019 Course)
(w.e.f. 2022-2023)**

BE Electrical (2019 Course)

SEM-I

Course Code	Course Name	Teaching Scheme				Examination Scheme						Credit				
		Th	Pr	Tu	PW	ISE	ESE	TW	PR	OR	Total	Th	Pr	Tu	PW	Total
403141	Power System Operation & Control	3	2	-	-	30	70	25	-	25	150	3	1	-	-	4
403142	Advanced Control System	3	2	-	-	30	70	-	-	50	150	3	1	-	-	4
403143	Elective-I	3	2	-	-	30	70	-	-	25	125	3	1	-	-	4
403144	Elective-II	3	-	2*	-	30	70	25	-	-	125	3	-	1	-	4
403145	Project Stage-I	-	-	-	4	-	-	50	-	50	100	-	-	-	2	2
403146	MOOCs	-	-	-	-	-	-	50	-	-	50	-	-	-	2	2
403147	Audit Course-VII	2#	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		12	6	2	4	120	280	150	-	150	700	12	3	1	4	20

403143: Elective-I

403144: Elective-II

403147: Audit Course-VII

403143A: PLC and SCADA
403143B: Power Quality Management
403143C: High Voltage Engineering
403143D: Robotics and Automation

403144A: Alternate Energy System
403144B: Electrical & Hybrid Vehicle
403144C: Special-purpose Machines
403144D: HVDC & FACTS

403147 A: German Language I
403147B: Engineering Economics I
403147C: Sustainability(IGBC)

SEM-II

Course Code	Course Name	Teaching Scheme				Examination Scheme						Credit				
		Th	Pr	Tu	PW	ISE	ESE	TW	PR	OR	Total	Th	Pr	Tu	PW	Total
403148	Switchgear and Protection	3	2	-	-	30	70	25	-	50	175	3	1	-	-	4
403149	Advanced Electrical Drives & Control	3	2	-	-	30	70	25	50	-	175	3	1	-	-	4
403150	Elective-III	3	-	-	-	30	70	-	-	-	100	3	-	-	-	3
403151	Elective-IV	3	-	-	-	30	70	-	-	-	100	3	-	-	-	3
403152	Project stage II	-	-	-	12	-	-	100	-	50	150	-	-	-	6	6
403153	Audit course VIII	2#	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		12	4	-	12	120	280	150	50	100	700	12	2	-	6	20

403150: Elective-III

403151: Elective-IV

403153: Audit Course-VIII

403150 A: Digital Control System
403150 B: Restructuring and Deregulation
403150 C: Smart Grid
403150 D: Sensor Technology (Open Elective)

403151A: EHV AC Transmission
403151B: Illumination Engineering
403151C: Electromagnetic Fields
403151D: AI and ML (Open Elective)

403153A: German Language II
403153B: Engineering Economics II
403153C: Green Building

Savitribai Phule Pune University, Pune



Faculty of Science and Technology

**Board of Studies
Electrical Engineering**

**Syllabus
Third Year Electrical Engineering
(2019 course)
(w.e.f. 2021-22)**

Savitribai Phule Pune University, Pune
Syllabus: Third Year (TE) Electrical Engineering (2019 course)
(w.e.f 2021-22)

SEMESTER-I

Course code	Course Name	Teaching Scheme				Examination Scheme						Credit				
		Th	Pr	Tu	SEM /PW /IN	ISE	ESE	TW	PR	OR	Total	Th	Pr	Tu	SEM /PW /IN	Total
303141	Industrial and Technology Management	3	0	0	0	30	70	0	0	0	100	3	0	0	0	3
303142	Power Electronics	3	4#	0	0	30	70	0	50	0	150	3	2	0	0	5
303143	Electrical Machines-II	3	2	0	0	30	70	25	25	0	150	3	1	0	0	4
303144	Electrical Installation, Design and Condition Based Maintenance	3	4#	0	0	30	70	25	0	25	150	3	2	0	0	5
303145	Elective-I	3	0	0	0	30	70	0	0	0	100	3	0	0	0	3
303146	Seminar	0	0	0	1	0	0	50	0	0	50	0	0	0	1	1
303147	Audit course-V	2*	0	0	0	0	0	0	0	0	0	GRADE: PP/NP				0
Total		15	10	0	1	150	350	100	75	25	700	15	5	0	1	21

303145: Elective-I

303147 : Audit Course-V

303145A : Advanced Microcontroller and Embedded System

303147A : Energy storage systems

303145B : Digital Signal Processing

303147B : Start-up & Disruptive innovation

303145C : Open Elective

SEMESTER-II

Course code	Course Name	Teaching Scheme				Examination Scheme						Credit				
		Th	Pr	Tu	SEM /PW /IN	ISE	ESE	TW	PR	OR	Total	Th	Pr	Tu	SEM /PW /IN	Total
303148	Power System-II	3	2	1	0	30	70	25	50	0	175	3	1	1	0	5
303149	Computer Aided Design of Electrical Machines	3	4#	0	0	30	70	50	0	25	175	3	2	0	0	5
303150	Control System Engineering	3	2§	1§	0	30	70	25	0	25	150	3	1	0	0	4
303151	Elective-II	3	0	0	0	30	70	0	0	0	100	3	0	0	0	3
303152	Internship	0	0	0	4	0	0	100	0	0	100	0	0	0	4	4
303153	Audit Course VI	2*	0	0	0	0	0	0	0	0	0	GRADE: PP/NP				0
Total		12	8	2	4	120	280	200	50	50	700	12	4	1	4	21

303151: Elective-II

303153 : Audit Course-VI

303151A : IoT and its Applications in Electrical Engineering

303153A: Ethical Practices for Engineers

303151B : Electrical Mobility

303153B : Project Management

303151C: Cybernetic Engineering

303151D: Energy Management

#Practical consists of Part A & part B. PART A: Regular experiments & part B; to bridge the gap between theory & actual industrial practices. For subject 303144; there will be auto cad drawing on Electrical installation, Electrical wiring, cabling etc. For 303149, Part A, Regular drawing by hand & part B same drawing by AutoCAD.

§ tutorial credit merged with Practical.

* Conduct over and above these lectures.

Savitribai Phule Pune University, Pune



Faculty of Science and Technology

**Board of Studies
Electrical Engineering**

**Syllabus
Second Year Electrical Engineering
(2019 Course)**

(w.e.f. AY: 2020-21)

Savitribai Phule Pune University

Syllabus: Second Year (SE) Electrical Engineering (2019 Course) w.e.f. AY:2020-2021

SEMESTER-I

Course Code	Courses Name	Teaching Scheme			Examination Scheme and Marks						Credits			
		TH	PR	TUT	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
207006	Engineering Mathematics-III	03	--	--	30	70	--	--	--	100	03	--	--	03
203141	Power Generation Technologies	03	--	--	30	70	--	--	--	100	03	--	--	03
203142	Material Science	03	04#	--	30	70	25	--	25	150	03	02	--	05
203143	Analog and Digital Electronics	03	02	--	30	70	--	50	--	150	03	01	--	04
203144	Electrical Measurement & Instrumentation	03	04#	--	30	70	25	25	--	150	03	02	--	05
203150	Applications of Mathematics in Electrical Engineering	--	02*	--	--	--	25	--	--	25	--	01	--	01
203151	Soft Skill	--	02	--	--	--	25	--	--	25	--	01	--	01
203152	Audit Course-III	--	--	--	--	--	--	--	--	--	Grade: PP/NP			
Total		15	14	--	150	350	100	75	25	700	15	07	--	22

SEMESTER-II

Course Code	Courses Name	Teaching Scheme			Examination Scheme and Marks						Credits			
		TH	PR	TUT	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
203145	Power System-I	03	--	--	30	70	--	--	--	100	03	--	--	03
203146	Electrical Machines-I	03	02	--	30	70	--	50	--	150	03	01	--	04
203147	Network Analysis	03	02	--	30	70	25	--	--	125	03	01	--	04
203148	Numerical Methods & Computer Programming	03	02	--	30	70	--	25	--	125	03	01	--	04
203149	Fundamental of Microcontroller and Applications	03	04\$	--	30	70	25	--	25	150	03	02	--	05
203152	Project Based Learning	--	04	--	--	--	50	--	--	--	--	02	--	--
203153	Audit Course-IV	--	--	--	--	--	--	--	--	--	Grade: PP/NP			
Total		15	14	--	150	350	100	75	25	700	15	07	--	22

* - Lab sessions on application of Mathematics in Electrical Engineering using professional software.

- Practical section will comprises of two Part : a) PART A : 2 hours per week : Regular curriculum listed practical total 12 numbers out of which conduction of 8 numbers will be mandatory b) PART B : 2 Hours a week :Practical/case studies/assignments to enable active learning based on advances related to subject to bridge gap between curriculum and enhance practical knowledge required in field .

\$ - Practical section will comprises of two Part : a) PART A : 2 hours per week : Regular curriculum listed practical total 12 numbers out of which conduction of 8 numbers will be mandatory b) PART B : 2 Hours a week : IOT application in Electrical Engineering using microcontroller and GSM module to bridge gap between curriculum and enhance application knowledge.

Abbreviation: TH: Theory, PR: Practical, TUT:Tutorial, ISE: Insem Exam, ESE: End Sem Exam, TW: Term Work, OR: Oral



HSBPVT's GOI
Faculty of Engineering, Kashti
Department of Electrical Engineering

Ref.: HSBPVTGOI/PCOE/EE/2023-24/03

Date: 10 July 2023

NOTICE

All the students of BE are hereby informed that, select an electives and Audit Course subjects for the Sem -1 from the following Subject list. It's mandatory to Select Elective -1, Elective -2 and Audit Course (VII) Subjects (AY 2023-24)

403143: Elective-I	403144: Elective-II	403147: Audit Course-VII
1.403143A: PLC and SCADA ✓	403144A: Alternate Energy System	403147 A: German Language I
2.403143B: Power Quality Management	403144B: Electrical & Hybrid Vehicle ✓	403147B: Engineering Economics I
3.403143C: High Voltage Engineering	403144C: Special-purpose Machines	403147C: Sustainability (IGBC) ✓
4.403143D: Robotics and Automation	403144D: HVDC & FACTS	



S. S. S. S.
HoD

V. S.
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HSBPV Trust's, GOI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar

Department of Electrical Engineering
B.E Elective Selection 2023-2024

Roll No.	Name of Students	EL I	EL II	AC VII	Sustainability
BE01	ANIKET SHIVAJI BORKAR	PLC	EHV	IGBC	ANIKET
BE02	ASHISH TILAK BAGATE	PLC	EHV	IGBC	ASHISH
BE03	BABAR KETAN BALASAHEB	PLC	EHV	IGBC	BABAR
BE04	BABAR OMKAR ASHOK	PLC	EHV	IGBC	K.B
BE05	BAGALE YASH RAJENDRA	PLC	EHV	IGBC	Y.B
BE06	BHOPALE VIKAS ARUN	PLC	EHV	IGBC	VIKAS
BE07	BHUJBAL ROHAN PARSHURAM	PLC	EHV	IGBC	BHUJBAL
BE08	BHUTADA GANESH SATYANARAYAN	PLC	EHV	IGBC	BHUTADA
BE09	CHAKANE DATTATRAY NAVNATH	PLC	EHV	IGBC	CHAKANE
BE10	CHAKANE GANESH SHIVAJI	PLC	EHV	IGBC	CHAKANE
BE11	CHAVAN SHAHAJI DILIP	PLC	EHV	IGBC	CHAVAN
BE12	DAGADE PRATIK BALASAHEB	PLC	EHV	IGBC	DAGADE
BE13	DAREKAR SUSHANT MANIK	PLC	EHV	IGBC	DAREKAR
BE14	DHAWALE HARSHADA RAMBHAU	PLC	EHV	IGBC	DHAWALE
BE15	DHIRAJ SATISH MOTE	PLC	EHV	IGBC	DHIRAJ
BE16	GADHAVE MARUTI ASHOK	PLC	EHV	IGBC	GADHAVE
BE17	GAVALI AKASH ASHOK	PLC	EHV	IGBC	GAVALI
BE18	HANDAL SHUKRACHARYA BALU	PLC	EHV	IGBC	HANDAL
BE19	HOJAGE AKASH SURYKANT	PLC	EHV	IGBC	HOJAGE
BE20	ITHAPE SHUBHAM SANTOSH	PLC	EHV	IGBC	ITHAPE
BE21	ITHAPE SURAJ RAMCHANDRA	PLC	EHV	IGBC	ITHAPE
BE22	JADHAV MAHESH VILAS	PLC	EHV	IGBC	JADHAV
BE23	JADHAV SIDDHARTH SHRIKANT	PLC	EHV	IGBC	JADHAV
BE24	KALKHAIRE MAYUR SANJAY	PLC	EHV	IGBC	KALKHAIRE
BE25	KAYGUDE AKSHAY RAVINDRA	PLC	EHV	IGBC	KAYGUDE
BE26	KHARTODE AKASH GABAJI	PLC	EHV	IGBC	KHARTODE
BE27	KHICHADE AKSHAY ANIL	PLC	EHV	IGBC	KHICHADE
BE28	KORATKAR VISHAL KANTILAL	PLC	EHV	IGBC	KORATKAR
BE29	KOTHAWALE ASHUTOSH SHARAD	PLC	EHV	IGBC	KOTHAWALE
BE30	KULWANT GAURAV VIJAY	PLC	EHV	IGBC	KULWANT
BE31	KUMBHAR ABHISHEK ABASAHEB	PLC	EHV	IGBC	KUMBHAR
BE32	LAGAD MAHESH PARMESHWAR	PLC	EHV	IGBC	LAGAD
BE33	LAGAD MONIKA SHIVAJI	PLC	EHV	IGBC	LAGAD
BE34	LANDGE PRADIP BHAGVAT	PLC	EHV	IGBC	LANDGE
BE35	LASHKARE PRATHMESH DILIP	PLC	EHV	IGBC	LASHKARE
BE36	LOKHANDE AVINASH VILAS	PLC	EHV	IGBC	LOKHANDE
BE37	MHASKE SHUBHAM DIGAMBER	PLC	EHV	IGBC	MHASKE
BE38	MORE NIKHIL GOPINATH	PLC	EHV	IGBC	MORE
BE39	MORE SHUBHAM GANPAT	PLC	EHV	IGBC	MORE
BE40	MUNDHEKAR SWAPNIL ADIK	PLC	EHV	IGBC	MUNDHEKAR

BE41	NAGAWADE SAURABH SATISH	—G—	—W—	IGBC	
BE42	NAZIRKAR NAGESH SHANKAR				
BE43	OVHAL SHUBHAM SHAHADEO	PLC	EHV	IGBC	
BE44	PAWAR ARYAN SHASHANK	PLC	EHV	IGBC	
BE45	PAWAR ISHWAR NAVNATH				
BE46	PIMPLEKAR NILESH SURYABHAN	PLC	EHV	IGBC	
BE47	SANGALE NILESH GORAKH				
BE48	SHAHA NADIM MASUM	PLC	EHV		
BE49	SHAIKH MOHMAD ASHPAK HAROON				
BE50	SHENDAGE AKASH ANIL				
BE51	SHINDE SHUBHAM SHAM	PLC	EHV	IGBC	Shubham
BE52	SHINGADE YOGESH DHANAJI	PLC	EHV	IGBC	Y.D.S
BE53	SHINGATE ABHIJEET BHAUSO	—M—	—W—	—W—	
BE54	SONAVANE SOMANATH NAMDEV				
BE55	SONAWANE AKSHAY MOHAN	PLC	EHV	IGBC	
BE56	SONAWANE SURAJ BHIMRAO				
BE57	SONDKAR SANKET NANDKUMAR	PLC	EHV	IGBC	
BE58	SUDKE VINAYAK MADHAV	PLC	EHV	IGBC	
BE59	BAGAL SUHAS MANIK	PLC	EHV	IGBC	
BE60	SURAJ RAMCHANDRA GHALME				
BE61	SURBHURE SWAPANIL LAXMAN	PLC	EHV	IGBC	
BE62	WAGH KIRAN DATTATRAYA				
BE63	WARANKAR SHUBHAM DATTATRAY	PLC	EHV	IGBC	
BE64	YARMULKAR NITIN BABAN				

Elective I = PLC & SCADA

Elective - II = EHV

ACV II = Sustainability.

Savaji
HOD 12/7/25



Principal
HSBPV Trust's GOI, Faculty of Engineering
Kashib, Tal. Shrigonda, Dist. Ahmednagar



HSBPVT'S GOI FACULTY OF ENGINEERING, KASHTI.
Department of Electrical Engineering
2023_24 (Even Sem)

Date: 11/12/2023

Notice

All student of Class BE are hereby inform that, you have to select one **Audit Course subject** and one **Elective Subject** for **AY- 2023-24 (Even Sem)**. List of subject is provided in SPPU Syllabus copy (2019 Pattern). All student please give your selection for the same.

List of subject is given as below.

Audit Course-VIII	Elective-III	Elective-IV
403153A: German Language II 403153B: Engineering Economics II 403153C: Green Building	403150 A : Digital Control System 403150 B : Restructuring and Deregulation 403 150 C: Smart Grid 403150 D: Sensor Technology (Open Elective)	403151A: EHV AC Transmission 403151B : Illumination Engineering 403151C: Electromagnetic Fields 403151D: AI and ML (Open Elective)


HoD

Department of Electrical Engineering

2023_24 (Even Sem)

Audit Course & Elective Subject Selection

Roll No.	Name of Students	Name of Audit Course	Name of Elective III Sub.	Name of Elective IV Sub.	Sign.
BE01	ANIKET SHIVAJI BORKAR	GB	SG	IE	<u>Sev</u>
BE02	ASHISH TILAK BAGATE	GB	SG	IE	<u>A</u>
BE03	BABAR KETAN BALASAHEB	GB	SG	IE	<u>Tilak</u>
BE04	BABAR OMKAR ASHOK	GB	SG	IE	<u>Omkar</u>
BE05	BAGALE YASH RAJENDRA	GB	SG	IE	<u>Yash</u>
BE06	BHOPALE VIKAS ARUN	GB	SG	IE	<u>Vikas</u>
BE07	BHUJBAL ROHAN PARSHURAM	GB	SG	IE	<u>B</u>
BE08	BHUTADA GANESH SATYANARAYAN	GB	SG	IE	<u>Guy</u>
BE09	CHAKANE DATTATRAY NAVNATH	GB	SG	IE	<u>D</u>
BE10	CHAKANE GANESH SHIVAJI	GB	SG	IE	<u>Guy</u>
BE11	CHAVAN SHAHAJI DILIP	GB	SG	IE	<u>Sush</u>
BE12	DAGADE PRATIK BALASAHEB	GB	SG	IE	<u>Pratik</u>
BE13	DAREKAR SUSHANT MANIK	GB	SG	IE	<u>S</u>
BE14	DHAWALE HARSHADA RAMBHAU	GB	SG	IE	<u>Huss</u>
BE15	DHIRAJ SATISH MOTE	GB	SG	IE	<u>Sush</u>
BE16	GADHAVE MARUTI ASHOK	GB	SG	IE	<u>M</u>
BE17	GAVALI AKASH ASHOK	GB	SG	IE	<u>A</u>
BE18	HANDAL SHUKRACHARYA BALU	GB	SG	IE	<u>S</u>
BE19	HOJAGE AKASH SURYKANT	GB	SG	IE	<u>A</u>
BE20	ITHAPE SHUBHAM SANTOSH	GB	SG	IE	<u>Suy</u>
BE21	ITHAPE SURAJ RAMCHANDRA	GB	SG	IE	<u>Suraj I</u>
BE22	JADHAV MAHESH VILAS	GB	SG	IE	<u>Madhav</u>
BE23	JADHAV SIDDHARTH SHRIKANT	GB	SG	IE	<u>M.S.S</u>
BE24	KALKHAIRE MAYUR SANJAY	GB	SG	IE	<u>Mayur</u>
BE25	KAYGUDE AKSHAY RAVINDRA	GB	SG	IE	<u>Akshay</u>
BE26	KHARTODE AKASH GABAJI	GB	SG	IE	<u>Akhartode</u>
BE27	KHICHADE AKSHAY ANIL	GB	SG	IE	<u>Akhichade</u>
BE28	KORATKAR VISHAL KANTILAL	GB	SG	IE	<u>Koratkarn</u>
BE29	KOTHAWALE ASHUTOSH SHARAD	GB	SG	IE	<u>Ashutosh</u>
BE30	KULWANT GAURAV VIJAY	GB	SG	IE	<u>Kulwant</u>

BE31	KUMBHAR ABHISHEK ABASAHEB	GB	SG	IE	A.A.K
BE32	LAGAD MAHESH PARMESHWAR	GB	SG	IE	lagad
BE33	LAGAD MONIKA SHIVAJI	GB	SG	IE	Monika
BE34	LANDGE PRADIP BHAGVAT	GB	SG	IE	P
BE35	LASHKARE PRATHMESH DILIP	GB	SG	IE	prathmesh
BE36	LOKHANDE AVINASH VILAS	GB	SG	IE	Amy
BE37	MHASKE SHUBHAM DIGAMBER	GB	SG	IE	Sury
BE38	MORE NIKHIL GOPINATH	GB	SG	IE	more
BE39	MORE SHUBHAM GANPAT	GB	SG	IE	Mr Shubh
BE40	MUNDHEKAR SWAPNIL ADIK	GB	SG	IE	S
BE41	NAGAWADE SAURABH SATISH	GB	SG	IE	Saurabh
BE42	NAZIRKAR NAGESH SHANKAR	GB	SG	IE	N.S
BE43	OVHAL SHUBHAM SHAHADEO	GB	SG	IE	S. Sury
BE44	PAWAR ARYAN SHASHANK	GB	SG	IE	Amy
BE45	PAWAR ISHWAR NAVNATH	GB	SG	IE	Ishwar
BE46	PIMPLEKAR NILESH SURYABHAN	GB	SG	IE	Nilesh
BE47	SANGALE NILESH GORAKH	GB	SG	IE	Nilesh
BE48	SHAHA NADIM MASUM	GB	SG	IE	Nadim
BE49	SHAIKH MOHMAD ASHPAK HAROON	GB	SG	IE	MOHMAD
BE50	SHENDAGE AKASH ANIL	GB	SG	IE	Anil
BE51	SHINDE SHUBHAM SHAM	GB	SG	IE	Shubham
BE52	SHINGADE YOGESH DHANAJI	GB	SG	IE	Yogesh
BE53	SHINGATE ABHJEET BHAUSO	GB	SG	IE	Amy
BE54	SONAVANE SOMANATH NAMDEV	GB	SG	IE	S.S.N
BE55	SONAWANE AKSHAY MOHAN	GB	SG	IE	Sonawane
BE56	SONAWANE SURAJ BHIMRAO	GB	SG	IE	Sury
BE57	SONDKAR SANKET NANDKUMAR	GB	SG	IE	Sanket
BE58	SUDKE VINAYAK MADHAV	GB	SG	IE	Vinayak
BE59	BAGAL SUHAS MANIK	GB	SG	IE	suhas B
BE60	SURAJ RAMCHANDRA GHALME	GB	SG	IE	R
BE61	SURBHURE SWAPANIL LAXMAN	GB	SG	IE	Swapnil
BE62	WAGH KIRAN DATTATRAYA	GB	SG	IE	K
BE63	WARANKAR SHUBHAM DATTATRAY	GB	SG	IE	Shubham
BE64	YARMULKAR NITIN BABAN	GB	SG	IE	Nitin
BE65	IDHATE SUSHMA	GB	SG	IE	Sushma



HSBPVT'S GOI FACULTY OF ENGINEERING, KASHTI.
Department of Electrical Engineering
2023_24 (Even Sem)

Date: 11/12/2023

Notice

All student of Class BE are hereby inform that, As per suggestions/recommendation received from you for selection of one **Audit Course subject and Elective Subject** for **AY- 2023-24 (Even Sem)** based on majority, we have selected following subjects for current Academic year.

List of selected subjects is given as below.

Audit Course-VIII	Elective-III	Elective-IV
403153C: Green Building	403 150 C: Smart Grid	403151B : Illumination Engineering



Wet
Principal
HSBPV Trust's, GOI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar

Pravali
HOD

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 - 1	-	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

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 Credits											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



HSBPVT's GOI
Faculty of Engineering, Kashti
Department of E&TC Engineering
A.Y. 20223-24

Elective Subjects & Audit Course Selection List-Sem1(TE)

Elective I	Audit Course 5
1. Digital Signal Processing	1. Developing Soft skill and Personality
2. Electronic Measurement	2. Entrepreneurship and IP Strategy 3. Urbanization and Environment
3. Fundamental of JAVA Programming	4. Environmental & Resources Economics
4. Computer Networks	5. Environment and Development 6. Globalization and Culture

Sr. No.	Students Name	Elective 1	Audit Course 5
1	ARKAS SHIVAM DEVIDAS	3 Fundamental of JAVA	1. Develop soft skill & p.
2	BELEKAR MONIKA KARBHARI	3) Fundamental of JAVA Prog.	1) Developing soft skill & personality
3	CHOR SANKET SANTOSH	Fundamental of JAVA prog.	1. Develop soft skill & personality
4	DANDEKAR BHAGYASHRI H.	3) Fundamental of JAVA Prog.	1) Develop soft skill & Personality
5	DEVKAR ARTI SANTOSH	3) Fundamental Java Program.	1. Develop soft skill & personality
6	DHAVAL ASHWINI RAJU	Fundamental of JAVA prog	Develop soft skill & personality
7	DHAVAL HARSHAD LAHU	Fundamental of Java Program	Develop soft skill & personality
8	DHAWADE SHRUTIKA BAPURAO	Fundamental of Java prog	1. Develop soft skill & personality
9	DOLAS OMKAR RAMESH	3) Fundamental of JAVA pr.	1. Develop soft skill & Personality
10	DUGAD SHREYASH MANOJ	Fundamental of Java prog.	1. Develop soft skill & personality.
11	GANGARDE BHAGYASHRI D.	3) Fundamental of JAVA Prog.	1. Develop soft skill & personality
12	GARDARE DNYANESHWARI J.	3) Fundamental Java Progr.	1. Develop soft skill & Personality
13	GAWADE ATHARV DADASAHEB	Fundamental of JAVA Prog.	1. Develop soft skill & Personality
14	GHALME DADA ARUN	3) Fundamental of JAVA P.	1. Developing soft skill & p.
15	GHEGADE VIKRAM R.	Fundamental of Java	Development of soft skills



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16	JADHAV SAKSHI RAJENDRA	Fundamental of Java prog	1. Develop soft skill & personality
17	JADHAV VAIBHAV VILAS	3. fundamental of java prog	1. Develop soft skill & personality
18	JAGTAP ADITYA SURESH	3. fundamental of java	1. Develop soft skill & personality
19	KADAM JAY SUBHASH	3 Fundamental of Java	1. Develop soft skill & personality
20	KEVATE ROHAN RAJENDRA	3. fundamental of Java	1. Develop of skill & personality.
21	KHADKE HARSHAL NITIN	3] fundamental of java	1] Develop soft skill & personality
22	KHEDKAR DIPTI DATTATRAYA	3) fundamental java	Develop soft skill of personality
23	KHEDKAR VAISHNAVI VITTHAL	3) Fundamental of Java	Development of soft skill
24	KOKATE ANKITA VIJAY	fundamental of java	development of soft skill
25	KSHIRSAGAR JITENDRA R.	Fundamental of Java prog	Development of soft skill
26	LABADE PRERANA SURESH	Fundamental of Java	Development of soft skill
27	LADHANE TUSHAR PANDIT	fundamental of java prog	Development of soft skill
28	LONDHE VAIBHAV SURESH	fundamental of java	development of soft skill
29	MHASKE NIKITA SUDAM	3. fundamental of Java	Development of soft skill
30	MUNGASE AMRUTA D.	3. fundamental of JAVA Prog.	1. Developing soft skill & p
31	NAGARE ARTI RAMESH	fundamental Java Program	Developing soft skill
32	NAGAWADE PRATHAMESH B.	3. fundamental of Java Prog	3. develop soft skill
33	PANSARE VAIBHAV RAVSAHEB	Fundamental of Java Prog	Develop soft skill & p
34	PAWAR DNYANESHWARI N.	Fundamental Java Prog	Developing soft skill
35	PAWAR KOMAL BHAGCHAND	3. fundamental of JAVA prog	1. Develop soft skill & personality
36	PAWAR NIKITA NIKAM	2. fundamental of Java	1. Develop soft skill & p
37	PHADKE PRIYANKA DIPAK	fundamental of Java	Develop soft skill & p
38	PHARATE AJIT DNYANESHWAR	Fundamental of Java	Develop. soft skill
39	PIMPARKAR AISHWARYA M.	Fundamental of Java	Development of soft skill
40	PISE ANJALI CHANDRAKANT	3. Fundamental of JAVA Prog.	1] Develop soft skill & personality
41	RAHINJ BHUSHAN NAVANATH	Fundamental of JAVA Prog.	1) Develop soft skill & Personality.
42	RAHINJ DHANASHRI S.	3] Fundamental of JAVA Prog.	1] Develop soft skill & personality
43	RAYKAR NILAM S.	Fundamental of java prog	Development of soft skill
44	SANAP SAYALI SANTOSH		
45	SHELAKHE AISHWARYA A.	Fundamental of Java	Development of soft skill
46	SHELAR PRERNA DATTU	Fundamental of java	development of soft skill
47	SHINDE AMRUTA GOPINATH	3. Fundamental of JAVA Prog.	1. Developing soft skill & p



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A.Y. 20223-24

49	SONAWANE GANESH KAILAS	3. FOJP	1. Developing soft skill.
50	SONAWANE PRATHMESH VITTHAL	3. Fundamental of java	Developing of soft skill
51	SURYAWANSHI DNYANESHWAR B.	3. Fundamental of java	Developing of soft skill.
52	TANPURE PRATIKSHA MANOJ	3. Fundamental of JAVA	1. DSICP
53	YELE RAMKRUSHAN BHAGWAT	3. Fundamental of Java	1. Develop Soft Skill personally
54	PATHAN ALISHA GULJAR	3. Fundamental of java prog.	1. Develop soft skill 3 priority


HOD

(E &TC Engineering)

HOD

E & TC Department
HSBPV Trust's, GOI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar




Principal

HSBPV Trust's, GOI, Faculty of Engineering
Kashti, Tal. Shrigonda, Dist. Ahmednagar

Savitribai Phule Pune University
Faculty of Science & Technology



Curriculum/Syllabus

For

Third Year

Bachelor of Engineering

(Choice Based Credit System)

Mechanical Engineering

(2019 Course)

Board of Studies – Mechanical and Automobile Engineering

(With Effect from Academic Year 2021-22)

Savitribai Phule Pune University
Board of Studies - Automobile and Mechanical Engineering
Undergraduate Program - Mechanical Engineering (2019 pattern)

Course Code	Course Name	Teaching Scheme (Hrs./week)			Examination Scheme and Marks					Credit				
		TH	PR	TUT	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
Semester-V														
302041	Numerical & Statistical Methods	3	-	1	30	70	25	-	-	125	3	-	1	4
302042	Heat & Mass Transfer	3	2	-	30	70	-	50	-	150	3	1	-	4
302043	Design of Machine Elements	3	2	-	30	70	-	-	25	125	3	1	-	4
302044	Mechatronics	3	2	-	30	70	-	-	25	125	3	1	-	4
302045	Elective I	3	-	-	30	70	-	-	-	100	3	-	-	3
302046	Digital Manufacturing Laboratory	-	2	-	-	-	50	-	-	50	-	1	-	1
302047	Skill Development	-	2	-	-	-	25	-	-	25	-	1	-	1
302048	Audit course - V ^s	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		15	10	1	150	350	100	50	50	700	15	5	1	21
Semester-VI														
302049	Artificial Intelligence & Machine Learning	3	2	-	30	70	-	-	25	125	3	1	-	4
302050	Computer Aided Engineering	3	2	-	30	70	-	50	-	150	3	1	-	4
302051	Design of Transmission Systems	3	2	-	30	70	-	-	25	125	3	1	-	4
302052	Elective II	3	-	-	30	70	-	-	-	100	3	-	-	3
302053	Measurement Laboratory	-	2	-	-	-	50	-	-	50	-	1	-	1
302054	Fluid Power & Control Laboratory	-	2	-	-	-	50	-	-	50	-	1	-	1
302055	Internship/Mini project *	-	4	-	-	-	100	-	-	100	-	4	-	4
302056	Audit course - VI ^s	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		12	14	-	120	280	200	50	50	700	12	9	-	21
Elective-I						Elective-II								
302045-A	Advanced Forming & Joining Processes	302052-A						Composite Materials						
302045-B	Machining Science & Technology	302052-B						Surface Engineering						
Abbreviations: TH: Theory, PR: Practical, TUT: Tutorial, ISE: In-Semester Exam, ESE: End-Semester Exam, TW: Term Work, OR: Oral														
Note: Interested students of TE (Automobile Engineering and Mechanical Engineering) can opt for any one of the audit course from the list of audit courses prescribed by BOS (Automobile and Mechanical Engineering)														
Instructions:														
<ul style="list-style-type: none"> Practical/Tutorial must be conducted in FOUR batches per division only. Minimum number of Experiments/Assignments in PR/Tutorial shall be carried out as mentioned in the syllabi of respective courses. Assessment of tutorial work has to be carried out similar to term-work. The Grade cum marks for Tutorial and Term-work shall be awarded on the basis of continuous evaluation. ^sAudit course is mandatory but non-credit course. Examination has to be conducted at the end of Semesters for award of grade at institute level. Grade awarded for audit course shall not be calculated for grade point & CGPA. 														

Savitribai Phule Pune University
Faculty of Science & Technology



Curriculum/Syllabus
For

Fourth Year

Bachelor of Engineering
(Choice Based Credit System)

Mechanical Engineering
(2019 Course)

Board of Studies – Mechanical and Automobile Engineering
(With Effect from Academic Year 2022-23)

Savitribai Phule Pune University
Board of Studies - Mechanical and Automobile Engineering
 Undergraduate Program – Final Year Mechanical Engineering (2019 pattern)

Course Code	Course Name	Teaching Scheme (Hrs./week)			Examination Scheme and Marks							Credit			
		TH	PR	TUT	ISE	ESE	TW	PR	OR	TOTAL	TH	PR	TUT	TOTAL	
Semester-VII															
402041	Heating Ventilation Air-Conditioning and Refrigeration	3	2	-	30	70	-	-	25	125	3	1	-	4	
402042	Dynamics of Machinery	3	2	-	30	70	-	-	25	125	3	1	-	4	
402043	Turbomachinery	2	2	-	-	50	25	-	25	100	2	1	-	3	
402044	Elective - III	3	-	-	30	70	-	-	-	100	3	-	-	3	
402045	Elective - IV	3	-	-	30	70	-	-	-	100	3	-	-	3	
402046	Data Analytics Laboratory	-	2	-	-	-	50	-	-	50	-	1	-	1	
402047	Project (Stage - I)	-	4	-	-	-	50	-	50	100	-	2	-	2	
Total		14	12	-	120	330	125	-	125	700	14	6	-	20	
Semester-VIII															
402048	Computer Integrated Manufacturing	3	2	-	30	70	25	-	25	150	3	1	-	4	
402049	Energy Engineering	3	2	-	30	70	25	-	25	150	3	1	-	4	
402050	Elective - V	3	-	-	30	70	-	-	-	100	3	-	-	3	
402051	Elective - VI	3	-	-	30	70	-	-	-	100	3	-	-	3	
402052	Mechanical Systems Analysis Laboratory	-	2	-	-	-	25	-	25	50	-	1	-	1	
402053	Project (Stage - II)	-	10	-	-	-	100	-	50	150	-	5	-	5	
Total		12	16	-	120	280	175	-	125	700	12	8	-	20	
Elective-III					Elective-V										
402044A	Automobile Design				402050A	Quality and Reliability Engineering									
402044B	Design of Heat Transfer Equipments				402050B	Energy Audit and Management									
402044C	Modern Machining Processes				402050C	Manufacturing Systems and Simulation									
402044D	Industrial Engineering				402050D	Engineering Economics and Financial Management									
402044E	Internet of Things				402050E	Organizational Informatics									
402044F	Computational Fluid Dynamics				402050F	Computational Multi Body Dynamics									
Elective-IV					Elective-VI										
402045A	Product Design and Development				402051A	Process Equipment Design									
402045B	Experimental Methods in Thermal Engineering				402051B	Renewable Energy Technologies									
402045C	Additive Manufacturing				402051C	Automation and Robotics									
402045D	Operations Research				402051D	Industrial Psychology and Organizational Behavior									
402045E	Augmented Reality and Virtual Reality				402051E	Electrical and Hybrid Vehicle									

Abbreviations: TH: Theory, PR: Practical, TUT: Tutorial, ISE: In-Semester Exam, ESE: End-Semester Exam, TW: Term Work, OR: Oral

- Student can select any elective subjects from the list given as per his/her choice. However, it is advised to select the subjects from within a group identified for specialization.

Instructions:

- Practical/Tutorial must be conducted in **FOUR batches per division** only.
- Minimum number of Experiments/Assignments in PR/Tutorial shall be carried out **as mentioned in the syllabi** of respective courses.
- Assessment of tutorial work has to be carried out similar to term-work. The Grade cum marks for Tutorial and Term-work shall be awarded on the basis of **continuous evaluation**.

Savitribai Phule Pune University
Faculty of Science & Technology



Curriculum/Syllabus
for
Second Year
Bachelor of Engineering
(Choice Based Credit System)
Mechanical Engineering and Automobile Engineering
(2019 Course)

Board of Studies - Automobile and Mechanical Engineering
(With Effect from Academic Year 2020-21)

Savitribai Phule Pune University
Board of Studies - Automobile and Mechanical Engineering
Undergraduate Program - Automobile Engineering & Mechanical Engineering (2019 pattern)

Course Code	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks						Credit			
		TH	PR	TUT	ISE	ESE	TW	PR	OR	TOTAL	TH	PR	TUT	TOTAL
Semester-III														
202041	Solid Mechanics	4	2	-	30	70	-	50	-	150	4	1	-	5
202042	Solid Modeling and Drafting	3	2	-	30	70	-	50	-	150	3	1	-	4
202043	Engineering Thermodynamics	3	2	-	30	70	-	-	25	125	3	1	-	4
202044	Engineering Materials and Metallurgy	3	2	-	30	70	25	-	-	125	3	1	-	4
203156	Electrical and Electronics Engineering	3	2	-	30	70	25	-	-	125	3	1	-	4
202045	Geometric Dimensioning and Tolerancing Lab	-	2	-	-	-	25	-	-	25	-	1	-	1
202046	Audit Course - III	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		16	12	-	150	350	75	100	25	700	16	6	-	22
Semester-IV														
207002	Engineering Mathematics - III	3	-	1	30	70	25	-	-	125	3	-	1	4
202047	Kinematics of Machinery	3	2	-	30	70	-	-	25	125	3	1	-	4
202048	Applied Thermodynamics	3	2	-	30	70	-	-	25	125	3	1	-	4
202049	Fluid Mechanics	3	2	-	30	70	-	-	25	125	3	1	-	4
202050	Manufacturing Processes	3	-	-	30	70	-	-	-	100	3	-	-	3
202051	Machine Shop	-	2	-	-	-	50	-	-	50	-	1	-	1
202052	Project Based Learning - II	-	4	-	-	-	50	-	-	50	-	2	-	2
202053	Audit Course - IV	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		15	12	1	150	350	125	-	75	700	15	6	1	22

Abbreviations: TH: Theory, PR: Practical, TUT: Tutorial, ISE: In-Semester Exam, ESE: End-Semester Exam, TW: Term Work, OR: Oral

Note: Interested students of SE (Automobile Engineering and Mechanical Engineering) can opt for any one of the audit course from the list of audit courses prescribed by BoS (Automobile and Mechanical Engineering)

Instructions

- Practical/Tutorial must be conducted in three batches per division only.
- Minimum number of required Experiments/Assignments in PR/ Tutorial shall be carried out as mentioned in the syllabi of respective subjects.
- Assessment of tutorial work has to be carried out as a term-work examination. Term-work Examination at second year of engineering course shall be internal continuous assessment only.
- Project based learning (PBL) requires continuous mentoring by faculty throughout the semester for successful completion of the tasks selected by the students per batch. While assigning the teaching workload of 2 Hrs/week/batch needs to be considered for the faculty involved. The Batch needs to be divided into sub-groups of 5 to 6 students. Assignments / activities / models/ projects etc. under project based learning is carried throughout semester and Credit for PBL has to be awarded on the basis of internal continuous assessment and evaluation at the end of semester.
- Audit course is mandatory but non-credit course. Examination has to be conducted at the end of Semesters for award of grade at institute level. Grade awarded for audit course shall not be calculated for grade point & CGPA.



Hon. Shri Babanrao Pachpute Vichardhara Trust's Group of Institutions
Faculty of Engineering
Department of Mechanical Engineering
AY: 2023-2024
Elective Subject Selection Report

Year: Third Year

Semester: Sixth

Report

Google form along with sixth semester syllabus was shared with Third Year students and asked to respond to it. (Link: <https://forms.gle/NUG2JN359YoWppm6>)

Response noted as bellow;

Sr. No.	Full Name of Student (Surname First)	PRN No.	Email Address	Choose any one option from below as your elective subject for sixth semester.
1	lagad akshay ashok	58L	akshaylagad273@gmail.com	(302052-A) Composite Materials
2	Kartik Dipak Wable	72254954H	Kartikwable0@gmail.com	(302052-A) Composite Materials
3	Jadhav Akshay jalindar	72254946G	akshayjadhav63941@gmail.com	(302052-A) Composite Materials
4	Dhumal shubham rajendra	72254935M	shubhamdhumal4183@gmail.com	(302052-A) Composite Materials
5	Nikhil Devidas Pimple	72254969F	nikhilnppimpale04@gmail.com	(302052-A) Composite Materials
6	Pawar Nilesh Maruti	72254968H	pawarnilesh8667@gmail.com	(302052-A) Composite Materials
7	Jathar Pratik Dattatray	72210616f	jatharpratik07@gmail.com	(302052-A) Composite Materials
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9	Pratik vinod padale	72254963G	padalepratik6@gmail.com	(302052-A) Composite Materials
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12	Kawade sachin prakash	72254955F	Sachinkawade17@gmail.com	(302052-A) Composite Materials
13	Boke Sonali Dashrath	9022139208	sonalib2232@gmail.com	(302052-A) Composite Materials
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15	Inamdar Ashraf Sattar	72254943B	inamdarashraf1809@gmail.com	(302052-A) Composite Materials
16	Nalage Akshay Kaka	72254959J	akshaynalage071@gmail.com	(302052-A) Composite Materials
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18	Patil Priyanka Mahesh	72254965C	palyasonya@gmail.com	(302052-A) Composite Materials
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25	Pawar Gaurav Sanjay	S	gauravpawar7655@gmail.com	(302052-A) Composite Materials
26	Azar Mansur Shaikh	72254975L	shaikhazar213313@gmail.com	(302052-A) Composite Materials
27	Santosh Sambhaji kale	72254 952m	santoshkale5252@gmail.com	(302052-A) Composite Materials
28	Jadhav Rahul Santosh	72254948C	rahuljadhav9708@gmail.com	(302052-B) Surface Engineering
29	Ithape Shambhuraj Shamrao	72254945J	shambhurajithape2019@gmail.com	(302052-A) Composite Materials

Subject Selected	Count
(302052-A) Composite Materials	28
(302052-B) Surface Engineering	1

As maximum students select (302052-A) Composite Materials as there Elective Subject for Sixth Semester this subject is selected as elective subject for sixth semester.




HOD


Principal
HSBPV Trust's, GOI, Faculty of Engineering
Kashib, Tal. Shrigonda, Dist. Ahmednagar

Sr. No.	Full Name of Student (Surname First)	PRN No.	Email Address	Choose any one option from below as your elective subject for sixth semester
1	lagad akshay ashok	58L	akshaylagad273@gmail.com	(302052-A) Composite Materials
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5	Nikhil Devidas Pimple	72254969F	nikhilnppimpale04@gmail.com	(302052-A) Composite Materials
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24	Deshmukh Onkar	72254932G	onkardeshmukh2781@gmail.com	(302052-A) Composite Materials
25	Pawar Gaurav Sanjay	S	gauravpawar7655@gmail.com	(302052-A) Composite Materials
26	Azar Mansur Shaikh	72254975L	shaikhazar213313@gmail.com	(302052-A) Composite Materials
27	Santosh Sambhaji kale	72254 952m	santoshkale5252@gmail.com	(302052-A) Composite Materials
28	Jadhav Rahul Santosh	72254948C	rahuljadhav9708@gmail.com	(302052-B) Surface Engineering
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Subject Selected		Count		
(302052-A) Composite Materials		28		
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