1.2.2

Name of all programs adopting elective course system: Electrical Program code:
Details of Elective options offered by the University and those opted by the Institute:

Academic Year	Semester (sem -I Sem II)	Name of Class	Name of Elective Subject	Number of Student opted
2017-18	Sem - I	BE Electrical 2012	Elective I- SPM,PQ,RES,DSP	Power quality- 50
			Elective II- R&D,EF,EHVAC,IETS	IETS- 50
2017-18	Sem -II	BE Electrical 2012	Elective I- HVE,HVDC&FACTS,DCS	HVE-43
			Elective II- SG,R&A,ILL,VLSI	SG -43

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Savitribai Phule Pune University
B.E. (Electrical Engineering) - 2012 Course
(w.e.f. 2015-2016)
Semester I

Subject code	Subject Title	Teaching Scheme Weekly load in Hrs.			Examination Scheme (Marks)					
					Theory		PR	OR	TW	Max. Marks
		Lecture	Tutorial	PR	In Semester Exam	End Semester Exam				
403141	Power System Operation and Control	03	--	02	30	70	--	25	25	150
403142	PLC and SCADA Applications	04	--	02	30	70	50	--	25	175
403143	Elective I	03	--	02	30	70	--	--	25	125
403144	Elective II	03	--	--	30	70	--	--	--	100
403145	Control System II	03	--	02	30	70	--	25	25	150
403146	Project	--	02	--	--	--	--	50	--	50
TOTAL		16	02	08	150	350	150		100	750

Semester II

Subject code	Subject Title	Teaching Scheme Weekly load in Hrs.			Examination Scheme (Marks)					
					Theory		PR	OR	TW	Max. Marks
		Lecture	Tutorial	PR	In Semester Exam	End Semester Exam				
403147	Switchgear and Protection	04	--	02	30	70	--	25	50	175
403148	Power Electronic controlled Drives	04	--	02	30	70	50	--	25	175
403149	Elective III	03	--	02	30	70	--	25	25	150
403150	Elective IV	03	--	--	30	70	--	--	--	100
403146	Project	--	06	--	--	--	--	100	50	150
TOTAL		14	06	06	120	280	200		150	750

Elective I (403143)
- A) Special Purpose Machines
- B) Power Quality
- C) Renewable Energy Systems
- D) Digital Signal Processing

Elective II (403144)
- A) Restructuring and Deregulation
- B) Electromagnetic Fields
- C) EHV AC Transmission
- D) Introduction to Electrical Transportation Systems

Elective III (403149)
- A) High Voltage Engineering
- B) HVDC and FACTS
- C) Digital Control System
- D) Intelligent Systems and its Applications in Electrical Engineering

Elective IV (403150)
- A) Smart Grid
- B) Robotics and Automation
- C) Illumination Engineering
- D) Open Elective*:VLSI Design

Department of Electrical Engineering AY 2017-18 SEM I, Class: BE				
Roll No	Name of student	Elective I	Elective II	Sign of student
1	Vishal Dilip Saikhede	PQ	ETS	
2	Sachin Satish Tambe	PQ	ETS	
3	Diksha Dayaram Amrutkar	PQ	ETS	
4	Sushama Uttam Avhad	PQ	ETS	
5	Rajashree Pramod Chavan	PQ	ETS	
6	Swati Dilip Jaybhaye	PQ	ETS	
7	Rakshanda Rohidas Jagtap	PQ	ETS	
8	Saurabh Bharat Pandit	PQ	ETS	
9	Komal Bharat Godse	PQ	ETS	
10	Akash Nandkumar Pawar	PQ	ETS	
11	Nikhil Shrikrishna Bondre	PQ	ETS	
12	Pavan Sampat Varpe	PQ	ETS	
13	Pavan Sampat Varpe	PQ	ETS	
14	Targe Yogita Kishor	PQ	ETS	
15	Mohini Ramchandra Mithe	PQ	ETS	
16	Deepak Kumar Chourasia	PQ	ETS	
17	Shubhangi vinayak rajguru	PQ	ETS	
18	Shashank Arunrao Topale	PQ	ETS	
19	Ashwini BhaskarShinde	PQ	ETS	
20	Satish Pandit Chine	PQ	ETS	
21	Sanket Dattatray Aher	PQ	ETS	
22	Roshan Annasaheb Thakare	PQ	ETS	
23	Shubham Ashok Kale	PQ	ETS	
24	Mayuri Vijay Awasarmol	PQ	ETS	
25	Amol Pandharinath Varpe	PQ	ETS	
26	Darshana Ashok Gaidhani	PQ	ETS	
27	Pradnya Subhash Chaskar	PQ	ETS	
28	Suraj Jayram Shinde	PQ	ETS	
29	Rohit Balkrushna Pawar	PQ	ETS	
29	Vishvas Balasaheb Handore	PQ	ETS	
30	Khatale Rahul Vishnu	PQ	ETS	
31	Chaudhari Hemant	PQ	ETS	
32	Gangurde Komal Vasant	PQ	ETS	
33	Pardeshi Akshay	PQ	ETS	
34	Gaidhani Gayatri	PQ	ETS	

35	Raut sachin	PQ	ETS	Sachin
36	Sayankar Yashodhan	PQ	ETS	
37	Bendale Pankaj	PQ	ETS	
38	Sanap Machhindra	PQ	ETS	
39	Sangale Jayesh	PQ	ETS	
40	Pawase Vaibhav Madhukar	PQ	ETS	
41	Patil Tushar Pandit	PQ	ETS	Tushar Patil
42	Harale Avinash Balu	PQ	ETS	
43	Puyed Sachin	PQ	ETS	
44	Patil Ankita	PQ	ETS	
45	Kadam Shubhangi	PQ	ETS	
46	Sonawane Pratik	PQ	ETS	
47	Rajwat Prithviraj	PQ	ETS	
48	Suraj Ashok Verma	PQ	ETS	
49	Sayankar Yashodhan	PQ	ETS	
50	Sumit Bapurao Saindre	PQ	ETS	

Elective I : 1. PQ 2. RES OR 3.DSP

E;ective II : 1. ETS 2.IE, 3.EHVAC

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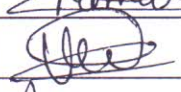
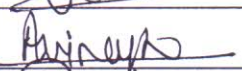
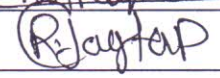
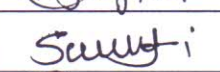
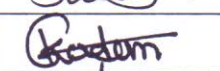
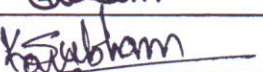
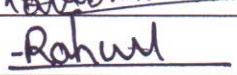
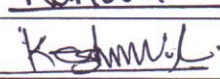
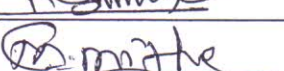
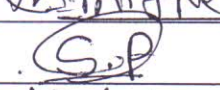
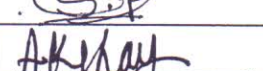
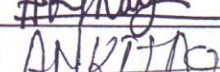
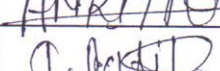
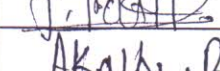
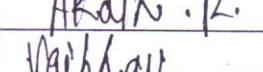
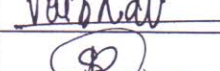
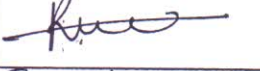
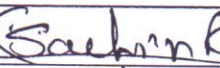
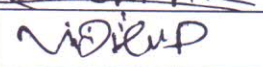
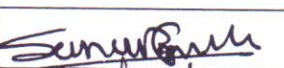
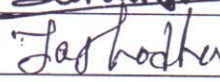
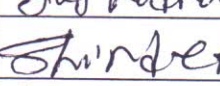
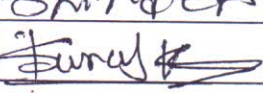
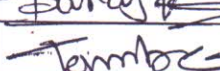
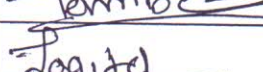
Name of all programs adopting elective course system: Electrical **Program code:**
Details of Elective options offered by the University and those opted by the Institute:

Academic year	Semester (Sem-I or Sem-II)	Name of class	Name of elective subject	No of Students opted
2013-14	Sem-I	BE	RES,PQ ,EHVAC, ETS	79
2013-14	Sem-II	BE	HVE,SG,ILLUMINATION	70
2014-15	SEMI	BE	RES,PQ ,EHVAC, ETS	86
2014-15	SEMII	BE	HVE,SG,ILLUMINATION	76
2015-16	SEMI	BE	RES,PQ ,EHVAC, ETS	83
2015-16	SEMII	BE	HVE,SG,ILLUMINATION	83
2016-17	SEMI	BE	RES,PQ ,EHVAC, ETS	81
2016-17	SEMII	BE	HVE,SG,ILLUMINATION	78
2017-18	SEMI	BE	RES,PQ ,EHVAC, ETS	50
2017-18	SEMII	BE	HVE,SG,ILLUMINATION	43

Department of Electrical Engineering AY 2017-18 SEM II, Class: BE

Roll No	Name of student	Elective I	Elective II	Sign of student
1	AHER SANKET DATTATRAY	HVE,	SG	
2	AMRUTKAR DIKSHA DAYARAM	HVE,	SG	
3	AVHAD SUSHAMA UTTAM	HVE,	SG	
4	BENDALE PANKAJ PRAMOD	HVE,	SG	
5	BONDRE NIKHIL SHRIKRUSHNA	HVE,	SG	
6	CHASKAR PRADNYA SUBHASH	HVE,	SG	
7	CHAVAN RAJASHREE PRAMOD	HVE,	SG	
8	CHINE SATISH PANDIT	HVE,	SG	
9	CHOUDHARI HEMANT PRAMOD	HVE,	SG	
10	DEEPAK KUMAR CHOURASIA	HVE,	SG	
11	GAIDHANI DARSHANA ASHOK	HVE,	SG	
12	GANGURDE KOMAL VASANTRAO	HVE,	SG	

13	GODSE KOMAL BHARAT	HVE,	SG	
14	HANDORE VISHVAS BALASAHEB	HVE,	SG	
15	HARALE AVINASH BALU	HVE,	SG	
16	JAGTAP RAKSHANDA ROHIDAS	HVE,	SG	
17	JAYBHAYE SWATI DILIP	HVE,	SG	
18	KADAM SHUBHANGI RAJENDRA	HVE,	SG	
19	KALE SHUBHAM ASHOK	HVE,	SG	
20	KHATALE RAHUL VISHNU	HVE,	SG	
21	LAD KESHAV BABAN	HVE,	SG	
22	MITHE MOHINI RAMCHANDRA	HVE,	SG	
23	PANDIT SAURABH BHARAT	HVE,	SG	
24	PARDESHI AKSHAY CHOTUSING	HVE,	SG	
25	PATIL ANKITA KISHOR	HVE,	SG	
26	PATIL TUSHAR PANDIT	HVE,	SG	
27	PAWAR AKASH NANDKUMAR	HVE,	SG	
28	PAWASE VAIBHAV MADHUKAR	HVE,	SG	
29	PUYED SACHIN GOVIND	HVE,	SG	
30	RAJAWAT PRITHVIRAJSINGH HEMRAJSINGH	HVE,	SG	
31	RAUT SACHIN SANJAY	HVE,	SG	
32	SAIKHEDE VISHAL DILIP	HVE,	SG	
33	SANAP MACHHINDRANATH PUNJA	HVE,	SG	
34	SAYANKAR YASHODHAN RAJENDRA	HVE,	SG	
35	SHINDE ASHWINI BHASKAR	HVE,	SG	
36	SHINDE SURAJ JAYRAM	HVE,	SG	
37	TAMBE SACHIN SATISH	HVE,	SG	
38	TARGE YOGITA KISHOR	HVE,	SG	
39	THAKARE ROSHAN ANNASAHEB	HVE,	SG	

40	TOPALE SHASHANK ARUNRAO	HVE,	SG	
41	VARPE AMOL PANDHARINATH	HVE,	SG	
42	VARPE PAVAN SAMPAT	HVE,	SG	
43	VERMA SURAJKU ASHOKU	HVE,	SG	
Elective I : 1. PQ 2. RES OR 3.DSP E;ective II : 1. ETS 2.IE, 3.EHVAC				

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1.2.2 QnM	***Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented (current year data)*** 1.2.2. Number of Programmes in which CBCS/ Elective course system implemented. Data Requirement: (As per Data Template in Section B) • Name of all Programmes adopting CBCS • Name of all Programmes adopting elective course system Formula: $\frac{\text{Number of Programmes in which CBCS or elective course system implemented}}{\text{Total number of Programmes offered}}$ **X 100** **File Description (Upload)** • Any additional information • Minutes of relevant Academic Council/ BOS meetings • Institutional data in prescribed format (Data Template)	10	

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/elective course system has been implemented

2017-18	2016-17	2015-16	2014-15	2013-14
01	01	01	01	01

Principal
Sir Visvesvaraya Institute of Technology
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