Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING & TECHNOLOGY
BAMBHORI, POST BOX NO. 94, JALGAON- 425001. (M.S.)
Included Under Section 2(f) & 12(B) of the UGC Act, 1956
ISO 9001:2015 Certified

November 2021

CURRICULUM DELIVERY

Phone: (0257) 2258393, 94, 95 Fax: (0257) 2258392
Website- www.sscoetjalgaon.ac.in Email: sscoetjal@gmail.com

INDEX

1.1.1 The Institution Ensures Effective Curriculum Delivery through A Well Planned And Documented Process

Curriculum delivery by the institute is as per the guidelines provided by the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon. Based on the guidelines of the University the institute prepares academic calendar to accomplish the mission and vision. The academic calendar explores resource potentials, executes institutional objectives and imparts quality education towards students' development.

Institute ensures that the academic calendar is well planned in consultation with all concerned for effective execution. Academic Calendar includes schedule for student registration, internal sessional examinations, co-curricular activities and extra-curricular activities etc. The departments adhere to the institute calendar and prepare departmental academic calendar to accomplish Programme Specific Outcomes. The academic calendar is disseminated to all concerned.

Before the start of every semester, faculty members are assigned courses based on their specialization, interest and competency through consultation at the department and accordingly the department prepares timetable. All faculty members prepare / update lesson plan, lecture notes, Lab manuals, model answers and other resource materials. During pandemic such materials were made available to students online.

Periodic review in the meeting of HODs with Principal helps in effective curriculum delivery. Further, students' feedback fine tunes to fulfil the academic need of students. Identification of slow learners and advanced learners also helps to cater the need. These are the regular practices of the institute and adapted in the curriculum in well planned manner.

As part of curriculum the students are required to undergo internship during vacations. The institute encourages students for internships by acting as liaison.

Academic Calendar

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

॥ ज्ञानी पेटवू ज्ञानज्योत ॥

कवयित्री बहिणाबाई चौधरी उत्तर महाराष्ट्र विद्यापीठ, जळगाव

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

अभ्यासमंडळ विभाग

कबचौउमवि/२९/अभ्यासमंडळ विभाग/ /२०१९ दि.२५.०५.२०१९

प्रति,
मा.संचालक,
परीक्षा व मूल्यमापन मंडळ,
कबचौउमवि, जळगांव.

विषय : विज्ञान व तंत्रज्ञान विद्याशाखेंतर्गत अभियांत्रिकीसाठी शै.वर्ष २०१९-२० साठी शैक्षणिक दिनदर्शिका (Academic Calender) पाठविणेबाबत...

महोदय,

वरील विषयांस अनुसरुन, मा.डॉ.संजय प्रतापसिंग शेखावत, (सहयोगी अधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा) यांनी मेल व्दारे विज्ञान व तंत्रज्ञान विद्याशाखेचे अभियांत्रिकीचे शै.वर्ष २०१९-२० साठी शैक्षणिक दिनदर्शिका (Academic Calender) तयार करुन पाठविले आहे.

तेव्हा, शै.वर्ष २०१९-२० साठी शैक्षणिक दिनदर्शिका (Academic Calender) पुढील योग्य त्या कार्यवाहीसाठी आपणाकडे पुढील योग्य कार्यवाहीसाठी पाठवित आहोत.कृपया स्विकार व्हावा ही विनंती

फळाचे

आपला विश्वासू,

(अनिल चि मनोरे)
उपकुलसचिव
अभ्यासमंडळ व पात्रता विभाग

सोबत : शै.वर्ष २०१९-२० साठी शैक्षणिक दिनदर्शिका (Academic Calender)

प्रत माहितीसाठी :-
१.मा.संचालक, परीक्षा व मूल्यमापन मंडळ, कबचौउमवि., जळगाव.
२.मा.प्र-कुलगुरु कार्यालय, कबचौउमवि., जळगाव.
३.मा.सहा.कुलसचिव, अभियांत्रिकी विभाग, परीक्षा विभाग, कबचौउमवि., जळगाव.
४.सहा अधिकारी, परीक्षा योगदान, कबचौउमवि., जळगाव.

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Faculty of Science & Technology, (Engineering)

Tentative Academic Calendar for the A. Y. **2019-20**

Term – I (UG Program)

Sr. No.	Business	Dates	No. of Months/ weeks/ Days
1	Starting of Semester for SE to BE	01/07/2019	15 weeks
2	End of Semester for SE to BE	12/10/2019	
3	Starting of Semester for FE	01/08/2019	14 weeks
4	End of Semester for FE	23/10/2019	
5	Internal Sessional Examination –I (ISE-I) for SE to BE	06/08/2019 To 08/08/2019	03 days
6	Internal Sessional Examination –II (ISE-II) for SE to BE	11/09/2019 To 13/09/2019	03 days
7	Internal Sessional Examination –I (ISE-I) for FE	05/09/2019 To 07/09/2019	03 days
8	Internal Sessional Examination –II (ISE-II) for FE	10/10/2019 To 12/10/2019	03 days
9	Internal Sessional Examination (Backlog) for SE & TE	03/10/2019 to 07/10/2019	05 days
10	Internal Continuous Assessment for SE to BE (Term Work Submission)	11/10/2019 to 12/10/2019	02 days
11	Internal Continuous Assessment for FE (Term Work Submission)	21/10/2019 to 22/10/2019	02 days
12	Start of Practical/ Oral Examinations of FE to BE	31/10/2019	10 days
13	End of Practical/ Oral Examinations of FE to BE	09/11/2019	
14	Start of Theory Examination FE to BE	11/11/2019	01 Month
15	End of Theory Examination FE to BE	10/12/2019	
16	Declaration of Examination Results upto	10/01/2020	
17	Commencement of Next Academic Year	06/01/2020	

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

Faculty of Science & Technology, (Engineering)

Tentative Academic Calendar for the A. Y. 2019-20

Term – II (UG Program)

Sr. No.	Business	Dates	No. of Months/ weeks/ Days
1	Starting of Semester for FE to BE	06/01/2020	14 weeks
2	End of Semester for FE to BE	11/04/2020	
3	Internal Sessional Examination –I (ISE-I)	18/02/2020 To 20/02/2020	03 days
4	Internal Sessional Examination –II (ISE-II)	26/03/2020 To 28/03/2020	03 days
5	Internal Sessional Examination (Backlog) for FE,SE & TE	30/03/2020 to 04/04/2020	05 days
6	Internal Continuous Assessment (Term Work Submission)	08/04/2020 to 09/04/2020	02 days
7	Start of Practical/ Oral Examinations of FE to BE (except Project)	15/04/2020	11 days
8	End of Practical/ Oral Examinations of FE to BE(except Project)	25/04/2020	
9	Practical/ Oral Examinations of BE (Project)	02/06/2020 to 05/06/2020	04 days
10	Start of Theory Examination FE to BE	02/05/2020	01 Month
11	End of Theory Examination FE to BE	31/05/2020	
12	Declaration of Examination Results upto	30/06/2020	
13	Commencement of Next Academic Year	01/07/2020	

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

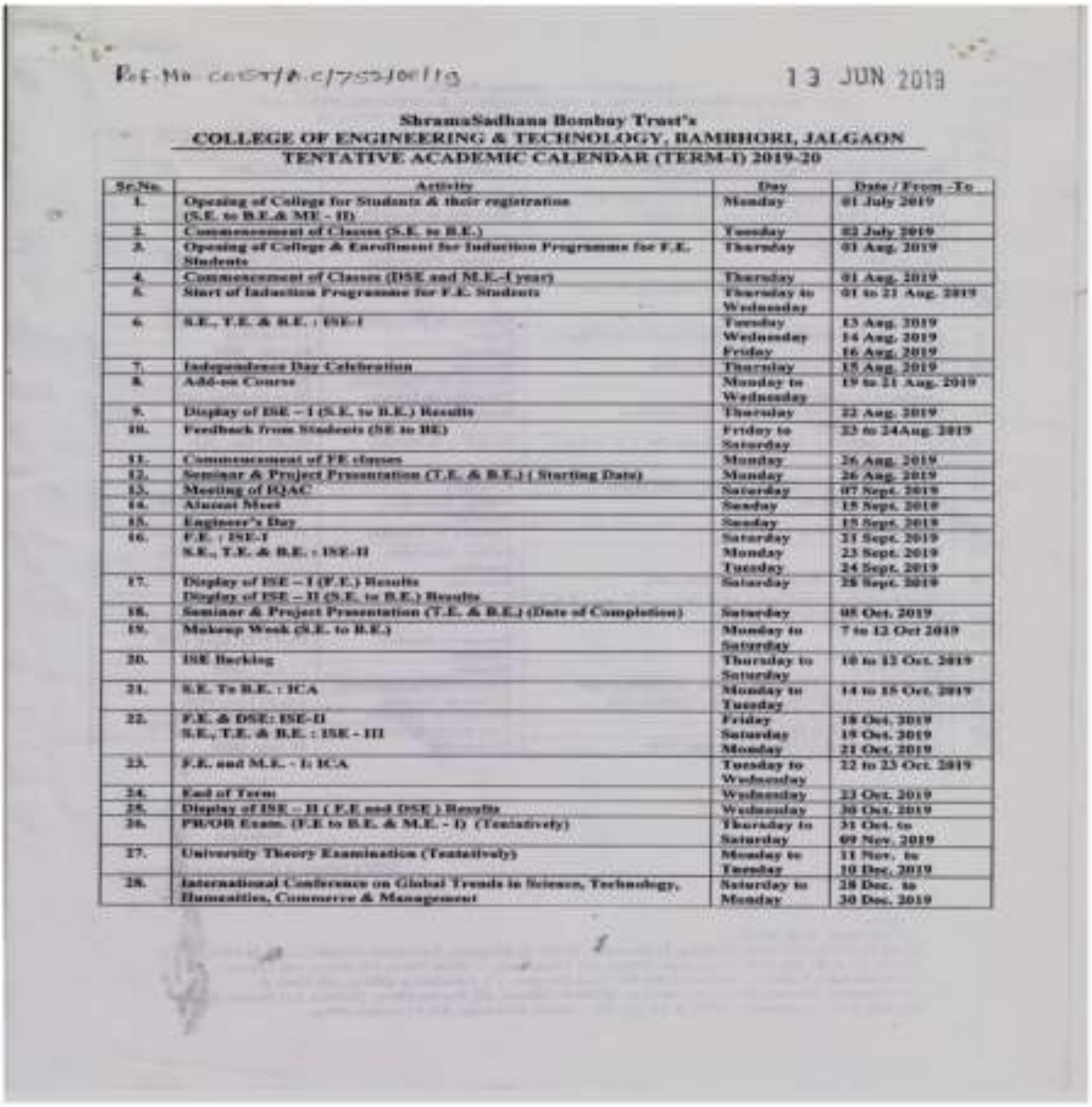
Faculty of Science & Technology, (Engineering)

Tentative Academic Calendar for the A. Y. 2019-20

Term – I (PG Program)

Sr. No.	Business	Dates	No. of Months/ weeks/ Days
1	Starting of Semester for ME	01/08/2019	14 weeks
2	End of Semester for ME	23/10/2019	
3	Internal Continuous Assessment (Term Work Submission)	21/10/2019 to 22/10/2019	02 days
4	Start of Practical/ Oral Examinations of ME	31/10/2019	11 days
5	End of Practical/ Oral Examinations of ME	09/11/2019	
6	Start of Theory Examination ME	11/11/2019	01 Month
7	End of Theory Examination ME	10/12/2019	
8	Declaration of Examination Results upto	10/01/2020	
9	Commencement of Next Academic Year	06/01/2020	

Institute Academic Calendar



Ref No. coetja/175/2019 13 JUN 2019

ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING & TECHNOLOGY, BAMBHORI, JALGAON
TENTATIVE ACADEMIC CALENDAR (TERM-I) 2019-20

Sr.No.	Activity	Day	Date / From -To
1.	Opening of College for Students & their registration (S.E. to B.E.& ME - II)	Monday	01 July 2019
2.	Commencement of Classes (S.E. to B.E.)	Tuesday	02 July 2019
3.	Opening of College & Enrollment for Induction Programme for F.E. Students	Thursday	01 Aug. 2019
4.	Commencement of Classes (DSE and M.E.-I year)	Thursday	01 Aug. 2019
5.	Start of Induction Programme for F.E. Students	Thursday to Wednesday	01 to 21 Aug. 2019
6.	S.E., T.E. & B.E. : ISE-I	Tuesday Wednesday Friday	13 Aug. 2019 14 Aug. 2019 16 Aug. 2019
7.	Independence Day Celebration	Thursday	15 Aug. 2019
8.	Add-on Course	Monday to Wednesday	19 to 21 Aug. 2019
9.	Display of ISE – I (S.E. to B.E.) Results	Thursday	22 Aug. 2019
10.	Feedback from Students (SE to BE)	Friday to Saturday	23 to 24Aug. 2019
11.	Commencement of FE classes	Monday	26 Aug. 2019
12.	Seminar & Project Presentation (T.E. & B.E.) (Starting Date)	Monday	26 Aug. 2019
13.	Meeting of IQAC	Saturday	07 Sept. 2019
14.	Alumni Meet	Sunday	15 Sept. 2019
15.	Engineer's Day	Sunday	15 Sept. 2019
16.	F.E. : ISE-I S.E., T.E. & B.E. : ISE-II	Saturday Monday Tuesday	21 Sept. 2019 23 Sept. 2019 24 Sept. 2019
17.	Display of ISE – I (F.E.) Results Display of ISE – II (S.E. to B.E.) Results	Saturday	28 Sept. 2019
18.	Seminar & Project Presentation (T.E. & B.E.) (Date of Completion)	Saturday	05 Oct. 2019
19.	Makeup Week (S.E. to B.E.)	Monday to Saturday	7 to 12 Oct 2019
20.	ISE Backlog	Thursday to Saturday	10 to 12 Oct. 2019
21.	S.E. To B.E. : ICA	Monday to Tuesday	14 to 15 Oct. 2019
22.	F.E. & DSE: ISE-II S.E., T.E. & B.E. : ISE - III	Friday Saturday Monday	18 Oct. 2019 19 Oct. 2019 21 Oct. 2019
23.	F.E. and M.E. - I: ICA	Tuesday to Wednesday	22 to 23 Oct. 2019
24.	End of Term	Wednesday	23 Oct. 2019
25.	Display of ISE – II (F.E and DSE) Results	Wednesday	30 Oct. 2019
26.	PR/OR Exam. (F.E to B.E. & M.E. - I) (Tentatively)	Thursday to Saturday	31 Oct. to 09 Nov. 2019
27.	University Theory Examination (Tentatively)	Monday to Tuesday	11 Nov. to 10 Dec. 2019
28.	International Conference on Global Trends in Science, Technology, Humanities, Commerce & Management	Saturday to Monday	28 Dec. to 30 Dec. 2019

Ref. No. COET/ACTem-II/64/01/20 13 JAN 2020

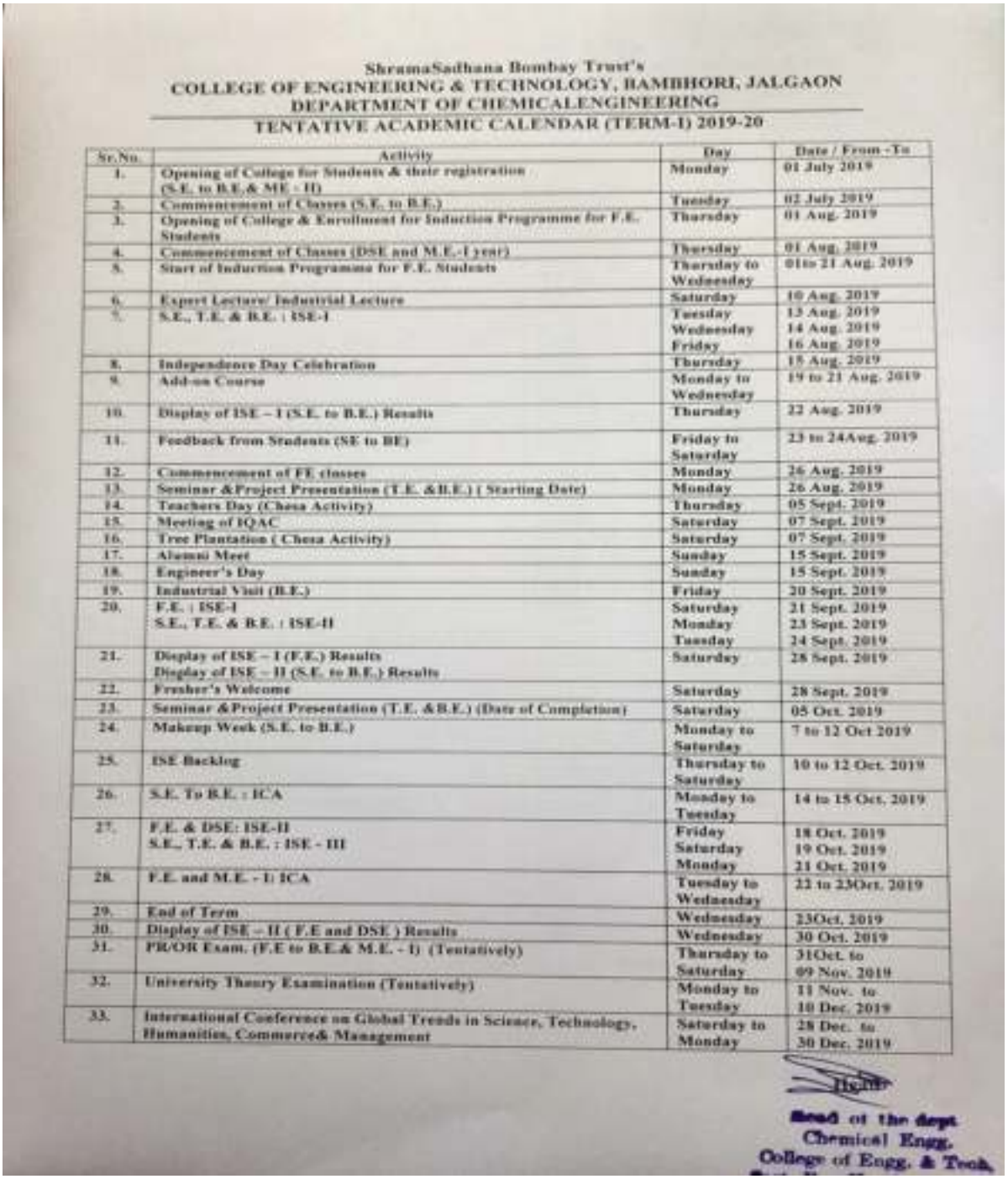
ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING & TECHNOLOGY, BAMBHORI, JALGAON.
TENTATIVE ACADEMIC CALENDAR (TERM-II) 2019 – 20

Sr. No.	Activity	Day	Date / From -To
1.	Start of II Term: Registration of students (F.E. to B.E. and M.E. – I)	Monday	13 Jan. 2020
2.	Commencement of Classes (F.E. to B.E. and M.E. – I)	Tuesday	14 Jan. 2020
3.	FEAST (Festival of Engineers, Administrators, Scientists, and Technocrats)	Thursday to Saturday	9, 10, 11 Jan. 2020
4.	Republic Day Celebration	Sunday	26 Jan.2020
5.	F.E. to B.E. : ISE-I	Tuesday, Thursday, Saturday	18, 20, 22Feb. 2020
6.	Cultural Activities and Annual Gathering (VasantUtsav)	Monday to Saturday	24 to 29 Feb. 2020
7.	Annual Sports	Tuesday to Thursday	25 to 27 Feb. 2020
8.	Science Exhibition for FE (By Applied Science Dept.)	Friday	28 Feb.2020
9.	Parents Meet	Sunday	01Mar. 2020
10.	Display of ISE – I (F.E. to B.E.) Results	Monday	02Mar. 2020
11.	Add-on Course	Monday to Wednesday	02 to 04 Mar. 2020
12.	Feedback from Students	Thursday to Friday	05 to 06 Mar. 2020
13.	Student Level Technical Paper Presentation (Milestone 2K20)	Saturday	07 Mar. 2020
14.	Entrepreneurship Awareness Camp. for T.E. &B.E. Students	Saturday & Sunday	07, 08 Mar. 2020
15.	Women's day	Sunday	08 Mar. 2020
16.	Project Presentation (T.E.& B.E.) (Till Date)	Saturday	21 Mar. 2020
17.	F.E. to B.E.: ISE-II	Friday, Saturday, Monday	27, 28, 30 Mar.2020
18.	Makeup Week (F.E. to B.E.)	Tuesday to Tuesday	31 Mar. to 7 Apr. 2020
19.	ISE Backlog	Friday, Saturday, Tuesday	03, 04, 07 April 2020
20.	Display of ISE – II (F.E. to B.E.) Results	Saturday	04 Apr. 2020
21.	Shod PrakalpaPratiyogita 2020 (Project Demo - B.E.)	Saturday	04Apr. 2020
22.	F.E. to B.E. and M.E. – I: ICA	Wednesday to Thursday	08 to 09 Apr.2020
23.	ISE – III	Saturday, Sunday, Monday	11, 12, 13 April 2020
24.	End of Term	Monday	13 Apr. 2020
25.	PR/Oral Exam., FE to BE & ME – I (Tentatively)	Wednesday to Saturday	15 to 25 Apr. 2020
26.	Theory Exam., FE to BE & ME (Tentatively)	Friday to Monday	2 to 31 May 2020
27.	Internship (S.E. & T.E.)	Monday to Tuesday	01 to 30 Jun. 2020
28.	Project Oral (BE) (Tentatively)	Tuesday to Friday	02 to 05 June 2020
29.	Commencement of Next Academic Year	Wednesday	01 July. 2020

13.1.2020
(Dr. K.S.Wani)
Principal
PRINCIPAL
SSBT's College of Engineering & Technology
Bambhori,Jalgaon-425001(M.S.)

Copy to:
1) Chairman, G.B. &C.D.C.
2) All H.O.Ds, 3) Vice Principal 4) DOA, 5) Director, R&D, 6) Director, Technical Development, 7) TPO, 8) Registrar 9) A.R. 10) O.S., 11) Exam. Office, 12) Chairman, Alumni Meet, 13) Store, 14) Library, 15) Chairman, Cultural Activities 16) Physical Director 17) Admission Office, 18) PRO & Coordinator- Parents Meet, 19) Student Welfare Officer, 20) Rector (Boys Hostel), 21) Rector (Girls Hostel), 22) Coordinator, ISTE & IE (I), 23) Vehicle Incharge, 24) Principal office

Departmental Academic Calendar



ShramaSadhana Bombay Trust's
COLLEGE OF ENGINEERING & TECHNOLOGY, BAMBHORI, JALGAON
DEPARTMENT OF CHEMICALENGINEERING
TENTATIVE ACADEMIC CALENDAR (TERM-I) 2019-20

Sr.No.	Activity	Day	Date / From -To
1.	Opening of College for Students & their registration (S.E. to B.E.& ME - II)	Monday	01 July 2019
2.	Commencement of Classes (S.E. to B.E.)	Tuesday	02 July 2019
3.	Opening of College & Enrollment for Induction Programme for F.E. Students	Thursday	01 Aug. 2019
4.	Commencement of Classes (DSE and M.E.-I year)	Thursday	01 Aug. 2019
5.	Start of Induction Programme for F.E. Students	Thursday to Wednesday	01to 21 Aug. 2019
6.	Expert Lecture/ Industrial Lecture	Saturday	10 Aug. 2019
7.	S.E., T.E. & B.E. : ISE-I	Tuesday Wednesday Friday	13 Aug. 2019 14 Aug. 2019 16 Aug. 2019
8.	Independence Day Celebration	Thursday	15 Aug. 2019
9.	Add-on Course	Monday to Wednesday	19 to 21 Aug. 2019
10.	Display of ISE – I (S.E. to B.E.) Results	Thursday	22 Aug. 2019
11.	Feedback from Students (SE to BE)	Friday to Saturday	23 to 24Aug. 2019
12.	Commencement of FE classes	Monday	26 Aug. 2019
13.	Seminar &Project Presentation (T.E. &B.E.) (Starting Date)	Monday	26 Aug. 2019
14.	Teachers Day (Chesa Activity)	Thursday	05 Sept. 2019
15.	Meeting of IQAC	Saturday	07 Sept. 2019
16.	Tree Plantation (Chesa Activity)	Saturday	07 Sept. 2019
17.	Alumni Meet	Sunday	15 Sept. 2019
18.	Engineer's Day	Sunday	15 Sept. 2019
19.	Industrial Visit (B.E.)	Friday	20 Sept. 2019
20.	F.E. : ISE-I S.E., T.E. & B.E. : ISE-II	Saturday Monday Tuesday	21 Sept. 2019 23 Sept. 2019 24 Sept. 2019
21.	Display of ISE – I (F.E.) Results Display of ISE – II (S.E. to B.E.) Results	Saturday	28 Sept. 2019
22.	Fresher's Welcome	Saturday	28 Sept. 2019
23.	Seminar &Project Presentation (T.E. &B.E.) (Date of Completion)	Saturday	05 Oct. 2019
24.	Makeup Week (S.E. to B.E.)	Monday to Saturday	7 to 12 Oct 2019
25.	ISE Backlog	Thursday to Saturday	10 to 12 Oct. 2019
26.	S.E. To B.E. : ICA	Monday to Tuesday	14 to 15 Oct. 2019
27.	F.E. & DSE: ISE-II S.E., T.E. & B.E. : ISE - III	Friday Saturday Monday	18 Oct. 2019 19 Oct. 2019 21 Oct. 2019
28.	F.E. and M.E. - I: ICA	Tuesday to Wednesday	22 to 23Oct. 2019
29.	End of Term	Wednesday	23Oct. 2019
30.	Display of ISE – II (F.E and DSE) Results	Wednesday	30 Oct. 2019
31.	PR/OR Exam. (F.E to B.E.& M.E. - I) (Tentatively)	Thursday to Saturday	31Oct. to 09 Nov. 2019
32.	University Theory Examination (Tentatively)	Monday to Tuesday	11 Nov. to 10 Dec. 2019
33.	International Conference on Global Trends in Science, Technology, Humanities, Commerce& Management	Saturday to Monday	28 Dec. to 30 Dec. 2019

Head of the dept.
Chemical Engg.
College of Engg. & Tech.

Load Distribution

S.S.B.T'S College of Engineering & Technology, Bambhori, Jalgaon
Department of Information Technology
Load Distribution (Term-II) 2016-17

Sr. No.	Staff Name	Designation	Class	Subject	Theory	Practical	Total Load
1	Dr. U. S. Bhadade	Professor	TE IT	DBMS	3+1	--	08
			BE IT	Project & Seminar	--	4	
2	Mrs. A. K. Bhavsar	Asso. Prof	SE IT	DC	3+1	2*4=8	16
			BE IT	Project & Seminar	--	4	
3	Mr. S. J. Patil	Asst. Prof	BE IT	IS	3	2*4=8	18
			SE IT	COM	3		
			BE IT	Project & Seminar	--	4	
4	Mr. N. P. Jagtap	Asst. Prof	BE IT	DWM	3	2*4=8	18
			TE IT	MIS	3		
			BE IT	Project & Seminar	--	4	
5	Mr. S. H. Rajput	Asst. Prof	TE IT	E-COM	3	--	20
			SE IT	MPMCI	3+1+1	2*4=8	
			BE IT	Project & Seminar	--	4	
6	Mr. R. B. Sangore	Asst. Prof	BE IT	CNS	3	2*4=8	19
			SE IT	CO	3		
			TE IT	WPL	01	--	
			BE IT	Project & Seminar	--	4	
7	Mr. S. K. Singh	Asst. Prof	BE IT	CC	3		20
			SE IT	DS	3+1+1	2*4=8	
			BE IT	Project & Seminar	--	4	
8	Mr. P. C. Hama	Asst. Prof	TE IT	OOMD	3	2*3=6	14
			SE IT	ADL	1(T)	--	
			BE IT	Project & Seminar	--	4	
9	Mr. M. L. Mahajan	Asst. Prof	TE IT	OS	3+1	2*3=6	14
			BE IT	Project & Seminar	--	4	
10	Ms. S. M. Deshmukh	Asst. Prof	TE IT	DBMS		2*3=6	14
			SE IT	CGM	-	2*4=8	
11	Ms. P. B. Gaikwad	Asst. Prof	SE IT	ADL	--	2*4=8	14
			TE IT	WPL	-	2*3=6	
						Total	175
1	Mr. S. B. Ahire (ASc. Dept.)	Asst. prof.	SE IT	CS	02	--	02

HEAD
Information Technology Department
SSBT's College of Engineering & Technology
Bambhori, Jalgaon-425 001 (M.S.)

HOD IT
(Dr. U. S. Bhadade)

Time-Table

ISO 9001:2015

Shrama Sadhana Bombay Trust's

COLLEGE OF ENGINEERING AND TECHNOLOGY

BAMBHORI, POST BOX NO. 94, JALGAON – 425001 (M.S.)

Included under section 2 (f) & 12 (B) of the UGC Act, 1956

Grade B ++ (2.91) NAAC Accredited

DEPARTMENT OF COMPUTER ENGINEERING

CLASS TIMETABLE

Academic Year 2019 –20 (Term –I)

Class:BE Div.:A Semester:VII Room No.:114 w.e.f.:

Class Teacher: Archana Shinde Class Counselor: K.P.Adhiya

Time	11.00 – 12.00	12.00 – 1.00		1.45 – 2.45	2.45 – 3.45	3.45 – 4.45	4.45 – 5.45
Period	1	2		3	4	5	6
MON	SEPM YB	AUP KPA		ACN GKP	AIES AS	A1— ESL — PRS — Lab4 A2 —ACNL —NYS — Lab8 A3 — AUPL —KPA— Lab10	
TUE	SEPM YB	ACN GKP		ES PRS	AUP KPA	A1—ACNL —NYS — Lab8 A3 — ESL — PRS — Lab4 A4 — AUPL —KPA— Lab10	
WED	SEPM YB	AIES AS		AUP KPA	AUP KPA		
THU	ES PRS	AIES AS		APTI SB	APTI SB		
FRI	A1—AUPL —KPA — Lab10 A2 — ESL — X1 — Lab4 A4 — ACNL —NYS— Lab8			ACN GKP	AUP KPA	AUP KPA	APTI SB
SAT	Teacher - Guardian Contact Hour	ES PRS		A2—AUPL —KPA — Lab10 A3 — ACNL —NYS— Lab8 A4 — ESL — X1 — Lab4			

LUNCH BREAK

Name of the Course	Abbreviation	TH / PR	Name of the Faculty Member	Abbreviation
Software Engineering & Project Management	SEPM	TH	Yogeshwari Bute	YB
Embedded System	ES	TH	Priti Sharma	PRS
Advanced Computer Network	ACN	TH	Girish Patnaik	GKP
Advanced Unix Programming	AUP	TH	K.P.Adhiya	KPA
Embedded System Lab	ESL	PR	Priti Sharma	PRS
Embedded System Lab	ESL	PR		X1
Advanced Computer Network Lab	ACNL	PR	N.Y. Suryawanshi	NYS
Advanced Unix Programming Lab	AUPL	PR	K.P.Adhiya	KPA

Batches for Practical		
Batch	Roll No.	
	From	To
A1	1	19
A2	20	38
A3	39	57
A4	58	74

Timetable In-charge

24/06/19

Head of the Department

Computer Engineering Department

SSBT's College of Engineering & Technology

Bambhori,Jalgaon-425001(M.S.)

UG Programs - Engineering: Bio-Technology, Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Mechanical Engineering & Technology

PG Programs - Engineering: Computer, Electrical

- Management: MBA

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COLLEGE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF MECHANICAL ENGINEERING

CLASS TIMETABLE

Academic Year 2019 – 20 (Term – II)

Class: T.E. Div.: B Semester: VI Room No.: M-303 w.e.f.: 20/01/2020

Class Teacher: Mr. A.V. Rajput Class Counselor: Dr. P. G. Bande

time	11.00 – 12.00	12.00 – 1.00	1.00 – 2.00		1.45 – 2.45	2.45 – 3.45	3.45 – 4.45	4.45 – 5.45
riod	1	2	3		3	4	5	6
ION	P.E. (C.K.M.) M-303	M.T. (A.R.B.) M-303	K. &T.O.M. (D.C.T.) M-303		LUNCH BREAK	M. E. (A.J.P.) M-303	B1 –M.E. – (C.K.M.)-(M-203) B3-M.T. -(A.R.B.)-(Workshop) B4- K. &T.O.M. -(D.C.T.)-(M-206)	
UE	B2-K. &T.O.M. -(T.D.T.)-(M-210) B3- M.E. – (A.J.P.)-(M-203) B4– M.T. -(A.R.B.)-(Workshop)		I.C.E. (M.V.K.) M-303		LUNCH BREAK	K. &T.O.M. (D.C.T.) M-303		
WED	M.T. (A.R.B.) M-303	P.E. (C.K.M.) M-303	M. E. (A.J.P.) M-303		LUNCH BREAK	I.C.E. (M.V.K.) M-303	B1- M.T. -(A.R.B.)-(Workshop) B2- M.E. – (A.J.P.)-(M-203) B3- K. &T.O.M. -(D.C.T.)-(M-210)	
THU	M.T. (A.R.B.) M-303	K. &T.O.M. (D.C.T.) M-303	LUNCH BREAK		B1- K. &T.O.M. -(S.B.S.)-(M-210) B2- M.T. -(A.R.B.)-(Workshop) B4- M.E. – (C.K.M.)-(M-203)			
FRI	M. E. (A.J.P.) M-303	P.E. (C.K.M.) M-303	I.C.E. (M.V.K.) M-303					
SAT	Teacher - Guardian Contact Hour	MINOR PROJECT			MINOR PROJECT			

Name of the Course	Abbreviation	TH / PR	Name of the Faculty Member	Abbreviation
Internal Combustion Engine	I.C.E.	TH	Mr. M.V. Kalkani	M.V.K.
Manufacturing Technology	M.T.	TH	Mr. A.R.B. Bhardwaj	A.R.B.
Kinematics and Theory of Machines	K. & T.O.M.	TH	Mr. D.C. Tahile	D.C.T.
Piping Engineering	P.E.	TH	Mr. C.K. Mukherjee	C.K.M.
Material Engineering	M.E.	TH	Mr. A.J. Puri	A.J.P.
Manufacturing Technology	M.T.	PR	Mr. A. R. Bhardwaj	A.R.B.
Kinematics and Theory of Machines	K. & T.O.M.	PR	Mr. D.C. Tahile Mr. S.B. Shaikh Mr. T.D. Tayade	D.C.T. S.B.S. T.D.T.
Material Engineering	M.E.	PR	Mr. C.K. Mukherjee Mr. A.J. Puri	C.K.M. A.J.P.

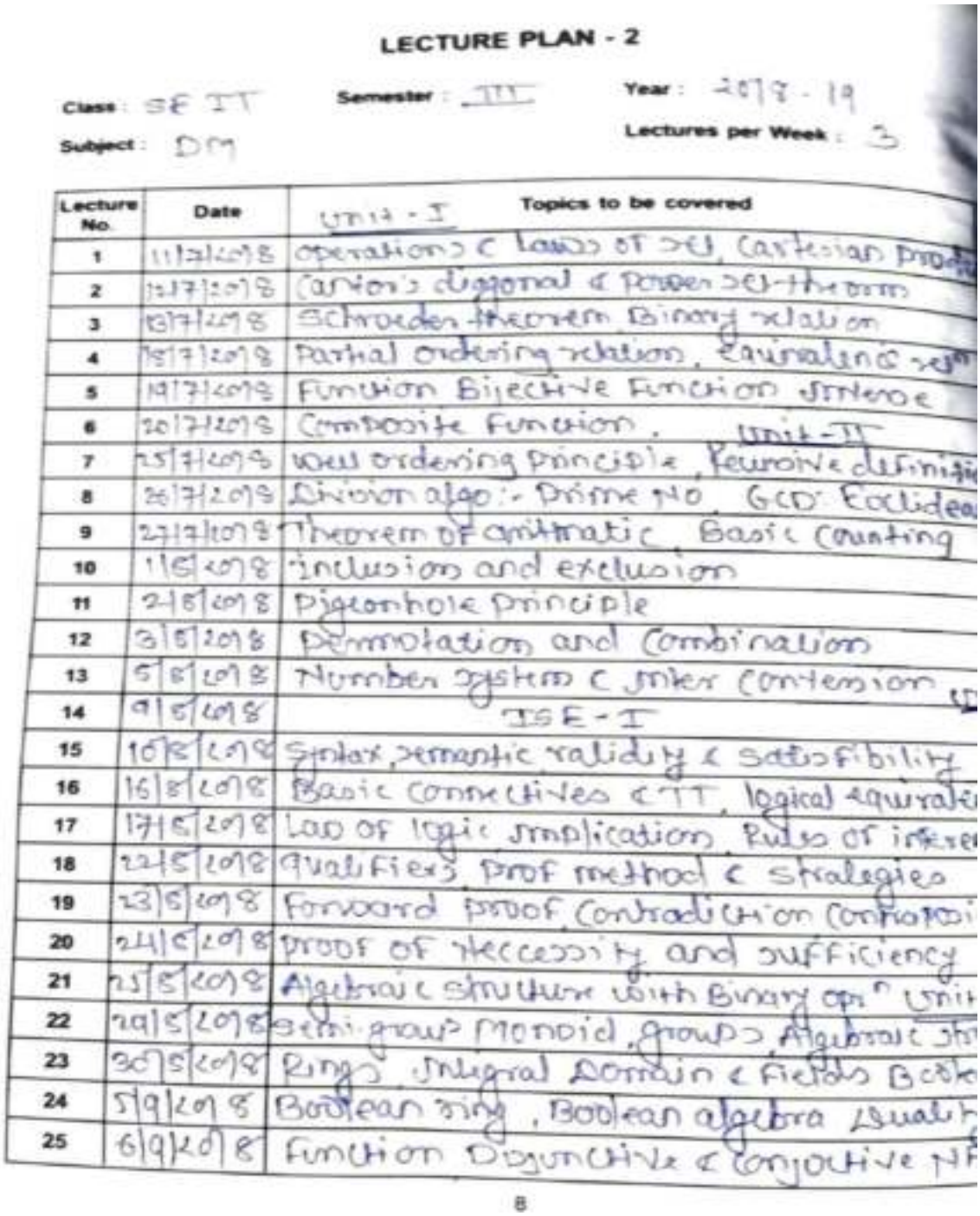
Batches for Practical		
Batch	Roll No.	
	From	To
B1	1	20
B2	21	40
B3	41	60
B4	61	79

20/01/2020
Timetable In-charge

Head of the Department

UG Programs- Engineering: Bio-Technology, Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Information Technology, Mechanical
PG Programs - Engineering: Computer, Electrical
- Management: MBA

Teaching/ Lesson Plan



LECTURE PLAN - 2

Class: SE IT Semester: III Year: 2018-19

Subject: DM Lectures per Week: 3

Lecture No.	Date	Topics to be covered
		Unit - I
1	11/7/2018	operations & laws of set, Cartesian Prod
2	12/7/2018	Cardinality of power set theorem
3	13/7/2018	Schroeder theorem Binary relation
4	18/7/2018	Partial ordering relation, Equivalence rel
5	19/7/2018	Function Bijective Function Inverse
6	20/7/2018	Composite function.
		Unit - II
7	25/7/2018	Well ordering principle, Recursive definitio
8	26/7/2018	Division algo:- Prime no. GCD Euclidean
9	27/7/2018	Theorem of arithmatic, Basic Counting
10	1/8/2018	inclusion and exclusion
11	2/8/2018	Pigeonhole principle
12	3/8/2018	Permutation and Combination
13	5/8/2018	Number system & integer conversion
14	9/8/2018	ISE - I
15	10/8/2018	Syntax, semantic validity & satisfibility
16	16/8/2018	Basic connectives & TT, logical equivalen
17	17/8/2018	Law of logic implication, Rules of infere
18	22/8/2018	Qualifiers, Prof method & strategies
19	23/8/2018	Forward proof Contradiction Contrapos
20	24/8/2018	proof of Necessity and sufficiency
21	25/8/2018	Algebraic structure with Binary op^n Unit
22	29/8/2018	Semi group Monoid, groups Algebraic str
23	30/8/2018	Rings, Integral Domain & Fields Boole
24	5/9/2018	Boolean ring, Boolean algebra Equival
25	6/9/2018	Function Disjunctive & Conjuctive NF

8

LECTURE PLAN - 2

Class: SE IT Semester: III Year: 2018-19

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1	11/7/2018	operations & laws of set, Cartesian Prod
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		Unit
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25	6/9/2018	Function Disjunctive & Conjuctive NF

8

LECTURE PLAN - 2

Class : SE IT Semester : III Year : 2018-19

Subject : DM Lectures per Week : 3

Lecture No.	Date	Topics to be covered
26	7/9/2018	ISE - II Unit - V
27	12/9/2018	Graph & their properties
28	13/9/2018	Degree, connectivity, Path
29	14/9/2018	Cycle sub graph Isomorphism
30	19/9/2018	Eulerian & Hamiltonian walk
31	20/9/2018	Graph Coloring, Coloring maps
32	21/9/2018	Planner graph, Dijkstra's SP
33	26/9/2018	Perfect graph
34	27/9/2018	Definition properties & Example
35	28/9/2018	rooted trees, trees & Sorting, WT
36	3/10/2018	Perfix codes Kruskal & Prim's algo.
37		
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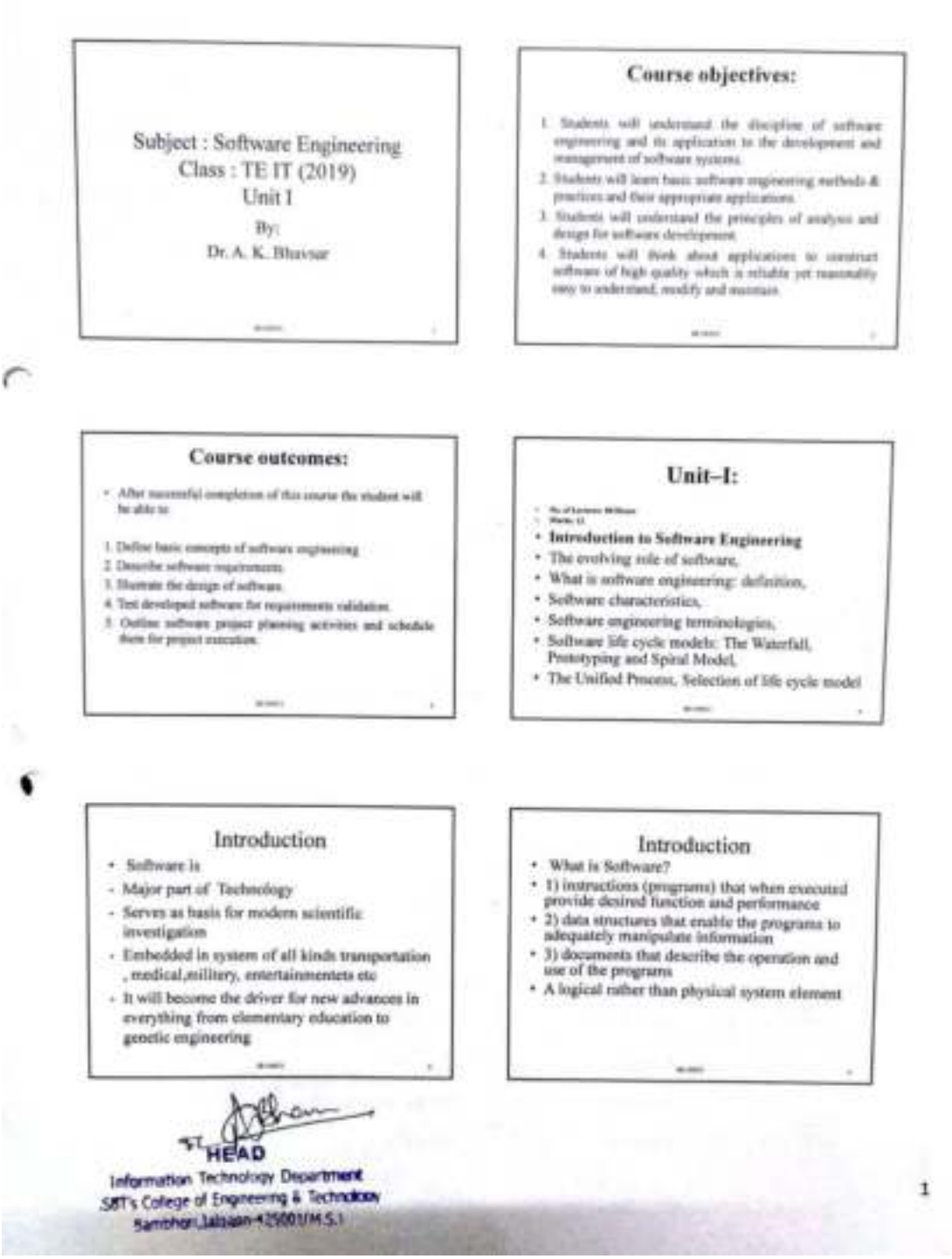
10

Lecture Notes



Subject : Software Engineering
Class : TE IT (2019)
Unit I
By:
Dr. A. K. Bhavsar

Course objectives:

1. Students will understand the discipline of software engineering and its application to the development and management of software systems.
2. Students will learn basic software engineering methods & practices and their appropriate applications.
3. Students will understand the principles of analysis and design for software development.
4. Students will think about applications to construct software of high quality which is reliable yet reasonably easy to understand, modify and maintain.

Course outcomes:

After successful completion of this course the student will be able to:

1. Define basic concepts of software engineering.
2. Describe software requirements.
3. Illustrate the design of software.
4. Test developed software for requirements validation.
5. Outline software project planning activities and schedule them for project execution.

Unit–I:

- **Introduction to Software Engineering**
- The evolving role of software,
- What is software engineering: definition,
- Software characteristics,
- Software engineering terminologies,
- Software life cycle models: The Waterfall, Prototyping and Spiral Model,
- The Unified Process, Selection of life cycle model

Introduction

- Software is
- Major part of Technology
- Serves as basis for modern scientific investigation
- Embedded in system of all kinds transportation , medical,military, entertainmentets etc
- It will become the driver for new advances in everything from elementary education to genetic engineering

Introduction

- What is Software?
- 1) instructions (programs) that when executed provide desired function and performance
- 2) data structures that enable the programs to adequately manipulate information
- 3) documents that describe the operation and use of the programs
- A logical rather than physical system element

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1

What is software?

- **Computer programs and associated documentation**

What is software?

Software=Program+Documentation+Operating Procedures Components of software

What is Software Engineering?

- Software engineering is an engineering discipline which is concerned with all aspects of software production
- Software engineers should adopt a systematic and organised approach to their work and use appropriate tools and techniques depending on the problem to be solved, the development constraints and the resources available

What Is the Difference Between Software Engineering and Computer Science?

- Computer science is concerned with theory and fundamentals; Software engineering is concerned with the practicalities of developing and delivering useful software
- Computer science theories are currently insufficient to act as a complete underpinning for software engineering

What is software engineering?

Software engineering is an engineering discipline which is concerned with all aspects of software production

Software engineers should

- adopt a systematic and organised approach to their work
- use appropriate tools and techniques depending on
  - the problem to be solved,
  - the development constraints and
- use the resources available

What is software engineering?

At the first conference on software engineering in 1968, Fritz Bauer defined software engineering as: "The establishment and use of sound engineering principles in order to obtain economically developed software that is reliable and works efficiently on real machines".

Stephen Schach defined the same as "A discipline whose aim is the production of quality software, software that is delivered on time, within budget, and that satisfies its requirements".

Both the definitions are popular and acceptable to majority. However, due to increase in cost of maintaining software, objective is now shifting to produce quality software that is maintainable, delivered on time, within budget, and also satisfies its requirements.

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Lab Manuals

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Department of Electronics & Telecommunication

Laboratory Journal

T.E. E&TC

Electronic Design Lab

Academic Year- 2020 - 2021

Name of student: .....
Section: .....
Roll no: .....
University Exam Seat No.: .....

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SSBT's COLLEGE OF ENGINEERING & TECHNOLOGY, BAMBHORI, JALGAON -425001
Year: 2019 -2020
Department of Electronics & Telecommunication

Vision of the department

The light of progressive knowledge and the brilliance of Electronics & Telecommunication Engineering is chasing the path towards Excellence for achieving an irreplaceable height in the global fraternity.

Mission of the department

To develop Electronics and Telecommunication Engineers with patriotism and excellence to meet out the irresistible standards par locally and globally.

Program Education Objectives:

1. **Core Knowledge:** To build a strong foundation of electronics & telecommunication engineering required to solve engineering challenges.
2. **Employment:** To develop an ability to apply the technical skills for meeting the industrial needs of electronics and telecommunication field as well as academics.
3. **Professional Competency:** To empower the persona of electronics & telecommunication engineering graduates filled with professional and ethical responsibilities.

Program Outcomes:

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

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6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

1. An ability to apply the fundamental concepts and knowledge of core Electronics and Telecommunication engineering subjects for analysis, design and development of various electronics and telecommunication systems.
2. An ability to solve complex Electronics and Telecommunication engineering problems using various electronic and telecommunication tools/equipments to demonstrate practical knowledge. .
3. Exhibit proficiency and knowledge of interdisciplinary environment in demonstrating the work efficiency for industry and society to achieve a successful career / entrepreneur.

Course Outcome (Cos)

CO1: Acquire basic knowledge to design, implement and troubleshoot analog circuits.
CO2: Develop the ability to design power supply and small signal amplifiers.
CO3: Able to design and implement oscillators and wave shaping circuits.
CO4: Able to design and test the analog filters.
CO5: Able to design and fabricate the circuit on PCB.

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Mapping of COs, POs and PSOs

Course Outcome	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
CO1	3	3	3	3	-	-	-	-	-	-	-	-	3	3	-
CO2	3	3	3	3	-	-	-	-	-	-	-	-	3	3	-
CO3	3	3	3	3	-	-	-	-	-	-	-	-	3	3	-
CO4	3	3	3	2	-		-		-	-	-	-	3	3	-
CO5	3	2	3	2	-	-	-	-	-	-	-	-	3	3	-

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SSBT's COLLEGE OF ENGINEERING& TECHNOLOGY,
BAMBHORI,
JALGAON - 425001
Year: 2020-2021
Department of Electronics & Telecommunication

CERTIFICATE

This is to certify that Mr./Ms.....T.E(E&TC)

Roll No....., Exam Seat No. ..... , has completed the term-work satisfactorily in Electronic Design Lab for the academic year 2020 - 2021 as prescribed in the Curriculum.

Staff–Member Incharge **Head of Department** **Principal**

Department Electronics &Telecommunication

List of Experiments

INDEX

Subject: Electronic Design Lab

Sr. No	Name of Experiment	Page No.	Date of Performance	Date of Completion	Remark	Signature
1	To design, implement & testing of regulated power supply using IC LM-340					
2	Design of Single stage Common Emitter amplifier using BJT					
3	Design of Single stage Tuned Amplifier using BJT for given center frequency					
4	Design of Astable Multivibrator using BJT					
5	Design, Testing & Implementation of second order low pass sallen key filter using op-amp					
6	Design & fabrication of a circuit on Printed Circuit Board					

Grades:
A–Excellent, B– Good, C –Average, P –Poor

** Lab file should consists of Minimum Six Experiments

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SSBT'S COLLEGE OF ENGINEERING & TECHNOLOGY,

BAMBHORI, JALGAON

Dept. Name:

Name of Student: ***Roll No.:***

Date of Performance: / / **Date of Completion: / /**

EXPERIMENT NO. 1

AIM: To design, implement & testing of regulated power supply using **IC LM-340**.

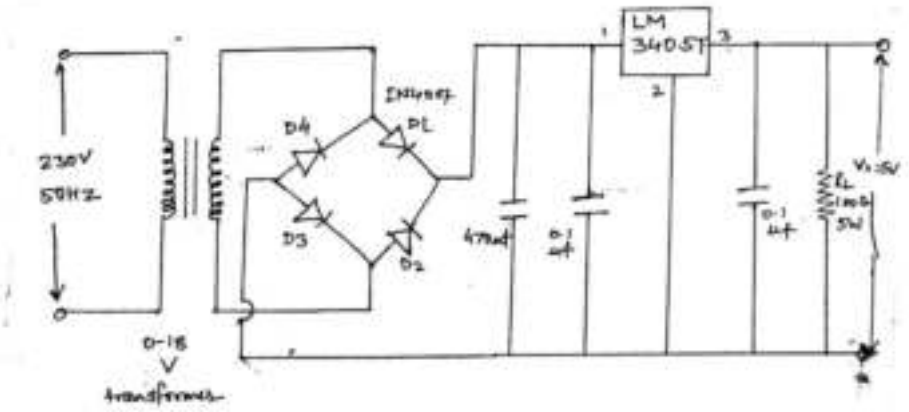
OBJECTIVES: 1) To design regulated power supply using 3 terminal IC.

2) To test waveforms and signals at various discrete components of power supply.

APPARATUS

INSTRUMENT	RATINGS	QUANTITY
DMM	-----	1
LM-340	5T	1

CIRCUIT DIAGRAM



STATEMENT OF NUMERICAL

Design a regulated power supply using IC LM 340 to produce output DC voltage of 5 V with load current of 50 mA at 30°C. Select a transformer with secondary rating of 0-18 V& ripple voltage of 1.2 V_{p-p} For LM340-5T.

$T_j = 150°C$

$\Theta_{JA} = 50°C/W$

DESIGN PROCEDURE

1) Selection of load resistance, R_L

$$V_{dc} = I_L \times R_L$$

$R_L = V_{dc}/I_L$

$= 5/(50 \times 10^{-3})$

$= 100\ \Omega$

$P_{RL} = I_L^2 \times R_L$

$= (50 \times 10^{-3})^2 \times 100$

$= 0.25\ W$

2) Selection of regulator

For getting fixed output voltage 5V & $\Theta_{JA} = 50°C/W$, we have to select LM 340-5T IC.

3) Selecting $C_i = 1\mu F$ to reduce the effect of lead inductance.

4) Selecting $C_o = 1\mu F$ to improve output impedance and good ripple rejection.

5) Selection of unregulated power supply

$$V_2 rms = Vm/\sqrt{2}$$

$V_m = (V_{2rms} \times \sqrt{2})$

$= (18 \times \sqrt{2})$

$V_m = 25.45V$

$V_{dc} = V_m - V_{p-p}/2$

$= 25.45 - 1.2/2$

= 24.85 V

6) Transformer Selection

$N_1/N_2 = V_{1rms}/V_{2rms} = 230/18 = 12.77:1$

7) Selection of diode

PIV rating of the diode

PIV = Vm

= 24.85 V

Thus, selecting diode with PIV > 24.05 V. So, IN4007 having PIV=50V is selected.

8) Selection of capacitor

$$V_r(Pk)/2 = I_{dc}/4FC$$

0.6 = 50/ (4x50xC)

Thus, C= 416.66μF.

Selecting, C = 470μF.

9) Selection of heat sink

Θ_{JA} (max) = $(T_J - T_A)/p$

P= $(V_{in}$ (dc) – $V_{out})$ x I_{out}

= (23.43-5) x50x10^{-3}

=922.5mW

Θ_{JA} (max) = (150-30)/922.5x10^{-4}

=130.08°C/W

As Θ_{JA} (CAL.) > Θ_{JA} (spec)

130.08°>50°C

So, heat sink is not required.

DESIGN TABLE:-

COMPONENT	DESIGN VALUE	SELECTED VALUE
C		
C_i		
C_0		
R_L		
D		
Transformer		
IC LM-340		

PROCEDURE

1) Mount the entire component on bread board as shown.
2) Measure secondary input voltage of transformer on DMM.
3) Then measure output of rectifier on DMM.
4) After it measure filter output, then final output on DMM.

OBSERVATION

Parameter	Theoretical value	Practical value
V_{2rms}	18V	
V_{dc}(capcitor)	24.05	
V_{dc}	5V	

RESULT

CONCLUSION

From above experiment, it is seen that regulated power supply using IC LM340-5T is designed & practically implemented which produces constant dc output voltage.

ORAL QUESTIONS

1) Give the selection criteria of heat sink.

2) What are the features of IC LM 340?

3) Describe the selection criteria of the filter capacitor.

4) Explain the performance parameter of voltage regulator.

5) Differentiate between Line & Switching regulator.

Date: -

Signature of Subject I/C

S.S.B.T.C.O.E.T BAMBHORI

E & TC DEPTT.

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BAMBHORI, JALGAON

Dept. Name:

Name of Student: ***Roll No.:***

Date of Performance: / / **Date of Completion : / /**

AIM: Design of Single stage Common Emitter amplifier using BJT.

OBJECTIVES: 1) To verify Q point practically.

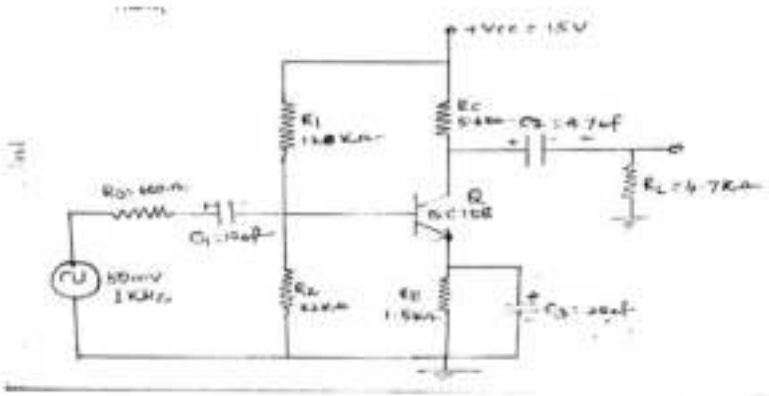
2) To observe the frequency response.

3) To verify theoretical and practical Av.

APPARATUS:

INSTRUMENT	RATINGS	QUANTITY
Power supply	0-30V	1
DMM	-----	1
CRO	15 MHz	1
Function Generator	1MHz	1

CIRCUIT DIAGRAM



STATEMENT OF NUMERICAL

Design a single stage inverting amplifier using BJT to provide V_o= 3 Vrms with V_{cc}=15 V & RL=4.7 KΩ, Rs = 680Ω. Select BJT with h_{fe} (min) =180 & B.W =30Hz-300 KHz.

DESIGN PROCEDURE

1) Selection of Q point

$$V_{CEQ} \geq V_O(p) + 1$$

$$V_O(p) = V_{Orms} \times \sqrt{2}$$

$= 3 \times \sqrt{2}$

$= 4.24$

$V_{CEQ} \geq 4.24+1$

≥ 5.24

$V_{CEQ} \approx 8V$

$I_{CQ} = V_O(p)/R_L = 4.24/4.7 = 0.90\ mA \approx 1mA.$

Q_p = [8V, 1mA]

$$P_{dmax} = V_{CEQ} \times I_{CQ}$$

$= 8mW.$

2) Selection of R_E

$$R_E = V_{RE}/I_{RE} \approx 10\ \%\ of\ V_C/I_C$$

$R_E = 1.5/1 = 1.5\ k\Omega$

3) Selection of R_C

$$R_C = (V_C - V_{CE} - V_{RE})/I_C$$

$= 15-8-1.5/1$

$= 5.5k\Omega$

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4) Selection of R_1 & R_2

$$R_2 = V_{B2}/I_1 = (V_{BE} + V_{RE})/(I_C/10)$$

$= (0.7 + 1.5)/ (1/10)$

$= 22k\Omega.$

$P_{R2} = R_2 x I_1^2 = 22 \times (0.1)^2 = 0.22mW$

$$R_1 = (V_{CC}-V_{B2})/I_1$$

$= 15-2.2/ (1/10) = 128k\Omega$

$P_{R1} = R_1 \times I_1 = 1.28mW.$

5) Selection of capacitors.

$$C_1 = 1/ (2\Pi F_L \times Req_1)$$

$$Req_1 = (R_3 + (R_B \parallel hie))/10$$

Assuming $R_3 = 680\Omega$

$R_B = (R_1 \times R_2)/(R_1 + R_2) =$

$h_e = h_e/40Ic = 5k\Omega$

Req1 =

$C_1 =$

$C_2 = 1/2\pi F_2 Req_2$

$Req_2 = (R_C + R_L)/10 =$

$C_2 =$

$C_3 = 1/2\pi F_L Req_3$

$Req_3 = R_E/10 = 1k/10$

$C_3 =$

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DESIGN TABLE

COMPONENT	DESIGN VALUE	SELECTED VALUE
R_E		
R_C		
R_1		
R_2		
R_3		
R_L		
C_1		
C_2		
C_3		

PROCEDURE

A) FOR MEASUREMENT OF Q-POINT

1) Connect the circuit as shown in figure.
2) Through DMM first measure V_{CEQ} (Q) & then measure I_{CQ}(Q) after giving 15 V Vcc from power supply.
3) Then compare designed with practical values measured.

B) FOR MEASUREMENT OF GAIN

1) Mount all components as shown in fig.
2) Supply +15V Vcc from power supply.
3) Apply i/p voltage of 50mV & 1KHz as shown in figure from function generator.
4) Measure its respective output voltage, obtain gain.
5) Vary the frequency from 50Hz-1MHz & measure corresponding o/p voltage on CRO.
6) Draw frequency response graph.

OBSERVATION

I_{CQ}(PRACTICALLY) =

V_{CEQ} (PRACTICALLY) =

OBSERVATION TABLE

Serial No.	Frequency	O/P voltage	Gain (Av)

RESULT

CONCLUSION

Thus, we have studied single stage common emitter amplifier who's theoretical and practical values of Q point are nearly equal and provides high voltage gain.

ORAL QUESTIONS

1) What is the purpose of coupling and bypass capacitor?

2) Give the selection criteria of transistor.

3) What is feedback? How it can be used in practical circuits?

4) Explain the classification of amplifier with CE, CC & CB configuration.

5) How a transistor is identified? How to identify NPN or PNP transistor?

Date:

Signature of subject I/C

S.S.B.T.C.O.E.T BAMBHORI

E & TC DEPTT.

Sample of Question Paper and Model Answer

Seat Number

कोक - 092

Power System Operation and Control
(Also Old Sem-VII Equivalence)
(167105)

P. Pages : 2
Time : Three Hours **Max. Marks : 80**

Instructions to Candidates :
1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any two** sub questions from each unit.
5. Diagram/ sketches should be given wherever necessary.
6. Use of non-programmable calculator is permitted.

UNIT – I

1. a) Derive an expression for transmission loss for n machine system. Hence write an expression for loss co-efficient state its units. 8

b) Explain 8

i) Input, output curve ii) Heat rate curve

c) Explain the concept of automatic load dispatching. 8

UNIT – II

2. a) Describe with diagram the static excitation system. State the advantages of static excitation system. 8

b) Draw block diagram of AVR and explain in detail. 8

c) Discuss the following. 8

i) Cross coupling between p-f and q-v control channel.

ii) Dynamic response of AVR loops.

UNIT – III

3. a) Explain hydraulic valve actuator for individual generator. 8

b) Explain the following and it's Advantages. 8

i) Flat frequency control.

ii) Flat tie-line load control.

iii) Tie – line load bias control.

c) Explain turbine speed governing system of steam turbine. Derive mathematical model for it. 8

UNIT – IV

4. a) Draw and explain block diagram of two area load frequency control. 8

b) What do you mean by pool operation? Discuss it's advantages and Disadvantages. 8

c) Explain single area and multiarea control power system. 8

UNIT – V

5. a) Explain. 8

i) Power system security.

ii) Voltage stability.

b) Explain 8

i) Voltage stability analysis.

ii) Preventive measures of voltage collapse.

c) Explain compensation of transmission line. State the facts devices in power system. 8

****

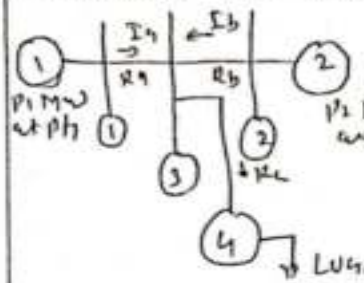
(Model Answer) नमुना उत्तरपत्रिका

Subject विषय: Power System Operation & Control

Total Time एकूण वेळ: Three Hours Total Marks एकूण गुण: 80

Q.No. प्रश्न क्र.	UNIT- I	Marks गुण

1. a) Expression for transmission line loss/efficiency



$$P_L = 3I_1^2 R_a + 3I_2^2 R_b + 3(I_1+I_2)^2 R_c \quad \text{---(1)}$$

$$P_L = P_1^2 B_{11} + 2 P_1 P_2 B_{12} + P_2^2 B_{22}$$

where,

$$B_{11} = \frac{R_a + R_c}{V_1^2 \cdot P_{f1}^2}$$

$$B_{12} = \frac{R_c}{V_1 V_2 P_{f1} P_{f2}}$$

$$B_{22} = \frac{R_b + R_c}{V_2^2 \cdot P_{f2}^2}$$

For Total n system

$$P = \begin{bmatrix} P_1 \\ P_2 \\ \vdots \\ P_5 \end{bmatrix} \quad B = \begin{bmatrix} B_{11} & B_{12} & B_{13} & \cdots & B_{15} \\ B_{21} & B_{22} & B_{23} & \cdots & B_{2n} \\ \vdots & & & & \\ B_{51} & B_{52} & B_{53} & \cdots & B_{55} \end{bmatrix}$$

$$P^T = [P_1, P_2 \cdots P_i]$$

— 8 marks

b) Explination & it's graph

i) Input-Output curve ii) Heat rate curve — 4 marks

c) Diagram of Automatic load Dispatching — 4 marks

Explination of each components -

i) Computer ii) Data I/p

iii) Console iv) Machine controller — 4 marks

2. a) Diagram and Explination of static excitation system — 6 marks

Advantages of static excitation system — 2 marks

b) Diagram of AVR — 4 marks

प्राध्यापकाची स्वाक्षरी
Signature of Paper Setter

45386

अध्यक्षाची स्वाक्षरी
Signature of Chairman

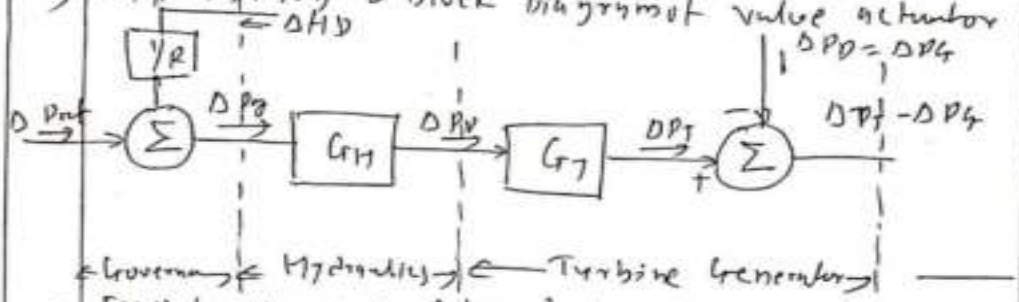
(Model Answer) नमुना उत्तरपत्रिका

पेज क्र. 02

Subject विषय : Power System Operation & Control

Total Time वहुण वेळ : Three Hours | Total Marks वहुण गुण : 70

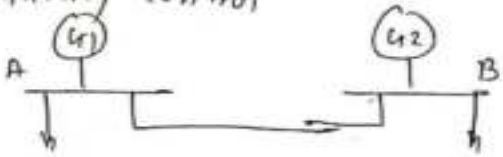
Q.No. प्रश्न क्र.		Marks गुण
	Explaination and its T.F of following.	
	i) P.T ii) Differencing Device	
	iii) Error Amplifier iv) Alternator	
	v) Stabilizing Transformer ——— 4 marks	
c)	Explaination –	
	(i) (with) Coupling between p-f and q-v (control) — 4 marks	
	(ii) Dynamic response of AVR loops ——— 4 marks	
	UNIT – III	
3.		
a)	Explaination & Block Diagram of Valve actuator	



——— 8 marks

b) Explaination and Advantage each

i) Flat frequency (control)



ii) Flat - Tie - line load (control)

iii) Tie - line bias (control) ——— 8 marks

45387

अध्यक्षांची स्वाक्षरी
Signature of Chairman

Subject विषय : Power System Operation & Control

Total Time एकूण वेळ : Three Hours Total Marks एकूण गुण : 80

Q.No. प्रश्न क्र.	UNIT-IV	Marks गुण
4.		
a)	Explination of two area load frequency control — 4 m. Block diagram of two area load frequency control ——— 4 marks	
b)	Explination of pool operation — 4 marks ii) Advantages & Disadvantages — 4 marks	
c)	Explination of, single area power system — 4 marks Multi area power system — 4 marks	
	UNIT - V	
5.		
a)	Explination of each i) power system security ——— 4 marks ii) voltage stability ——— 4 marks	
b)	Explination of each i) voltage stability analysis ——— 4 marks ii) Preventive measures of voltage collapse — 4 marks	

प्राध्यापकाची स्वाक्षरी
Signature of Paper Setter

अध्यक्षाची स्वाक्षरी
Signature of Chairman

(Model Answer) नमुना उत्तरपत्रिका

पेज क्र. 04

Subject विषय : Power system operation & control

Total Time एकूण वेळ : Three hours Total Marks एकूण गुण: 70

Q.No. प्रश्न क्र.		Marks गुण
c)	Explination of compensation of transmission line and FACTS device and explain each — 8 marks	

प्राध्यापकाची स्वाक्षरी
Signature of Paper Setter

45384

अध्यक्षाची स्वाक्षरी
Signature of Chairman

Question Bank

Electrical Machines-II

UNIT-I

1. Define and derive the formula of Distribution factor (Kd).
2. Elaborate the advantages of rotating field over stationary field system for alternator?
3. Derive emf equation of three phase synchronous alternator. Explain the effect of distribution and pitch factor on magnitude of emf.
4. Explain the advantages of distributed winding and short pitced winding.
5. Draw and explain the typical excitation system for three phase alternator.

UNIT-II

1. Explain the procedure to find voltage regulator of three phase alternator by mmf method and discuss the results.
2. Why short circuit characteristic is straight line whereas open circuit characteristic is a curve.
3. Derive the power angle $(P - \delta)$ curve for cylindrical rotor and salient pole rotor synchronous alternator and discuss on the equation.
4. Describe the synchronous power coefficient ? give its significance.
5. Summarize the need of parallel operation? What are the necessary condition for parallel operation of three phase alternators?
6. Explain the terms direct axis reactance and quadrature axis reactance of salient pole alternator. Upon what factors do these value depend?
7. Apply the necessary and desirable condition for parallel operation of three phase alternators
8. Characterize the armature reaction and explain the effect at different power factors.
9. Explain effect of change of excitation for two parallel operated alternator under no load and load condition.
10. Explain effect of change of excitation for alternator connected to infinite bus under no load and load condition.
11. Enumerate the different methods of parallel operation ? Explain any one in details.

UNIT-III

1. Explain/ Characterize the torque slip characteristic of three phase induction motor and derive the relation for maximum torque.
2. Apply the method to improve the starting torque of three phase squirrel cage induction motor.
3. Classify the different losses in three phase induction motor. Rotor iron loss is negible small under running condition .Why?

4. Explain the construction and working operation of double squirrel cage induction motor . What are advantages over single cage and slip ring induction motor?
5. Demonstrate cogging and crawling of induction.Explain causes and remedies.
6. Explain three phase induction motor as three phase generalized three phase transformer. Draw its equivalent circuit.
7. Explain the different methods of electric braking applied to three phase induction motor.Explain any one in details.
8. Explain the effects of harmonics on three phase induction motor. *(Ref cogging and crawling).*
9. Explore the different methods of speed control for three phase induction motors. Compare these methods.
10. Explain the operation and application of induction generator.
11. Justify advantages and disadvantages of losses and efficiency calculation by no load and block rotor test on three phase induction motor.

UNIT-IV

1. What do you meant by "v" curve of synchronous motor? Explain with help of vector diagrams?
2. Elaborate hunting in synchronous motor? Explain cause and its remedies.
3. Explain the power flow in three phase synchronous motor.
4. Summarize main features of three phase synchronous motor? State application based on its special characteristic.
5. Explain the characteristic of synchronous motor at constant load and variable excitation. *(Ref. V- cure)*
6. Explain the characteristic) of synchronous motor at excitation and variable load.
7. Explain the functions of damper winding in three phase synchronous motor.

UNIT-V

1. Explain the double revolving theory for single phase induction motor.
2. Justify that single phase induction motor is not self staring and state the methods to make it self starting.
3. Explain the construction and working operation of capacitor start induction motor.
4. Explain the toque - speed characteristic and starting torque of capacitor start induction motor.
5. Explain the construction and working operation of shaded pole induction motor.
6. Explain the toque - speed characteristic and starting torque of shaded pole induction motor.
7. Explain the construction and working operation of split phase induction motor.
8. Explain the toque - speed characteristic and starting torque of split phase induction motor.
9. Explain the characteristic and application of AC Series motor.
10. Explain the starting and working operation of repulsion motor.

Question Bank

Electrical Machines-I

Unit-I

1. Explain linear and non linear behavior of magnetic circuit and its impact in electrical machines.
2. Explain energy conversion for electromechanical system .
3. Identify the application of Lap and wave winding in dc generator with their justifications.
4. Differentiate the electrical and magnetic circuit.
5. Explain Biot Savart law and Ampere Law.
6. Explain the operation of commutator in dc machines

Unit-II

1. Characterize demagnetization and cross magnetization effect of armature reaction. Estimate cross magnetization and demagnetization Amp-Turn.
2. Discriminate characteristic of DC shunt and Compound generator and comments on voltage regulation.
3. Explain the significance of critical field resistance of dc shunt generator.
4. Enumerate the causes of failures in voltage built- up for dc shunt generator.
5. Elaborate the process of bad commutation in dc generator and identify the method to improve process of commutation.

Unit-III

1. Discriminate the characteristic of DC Series and Shunt motor and state the applications.
2. Identify the advantages and disadvantages of following test methods on dc machines. (I) Swinburne's test (II) Hopkinson's test and (III) Field's test
3. Elaborate the Swinburn's Test and state the advantages and disadvantages.
4. Explain the power stages and lossesin dc motors.
5. Explain the speed control methods for dc motors.
6. Derive the general toque equation of dc motor.

Unit-IV

1. Describe the different losses in transformer? Explain the effect of frequency and variation of load on transformer losses.
2. Derive emf equation of transformer and prove that voltage per turn of both winding is same.
3. Explain the winding arrangement in shell and core type transformer.
4. Derive the condition for maximum efficiency of transformer and also write the equation for output kVA rating under maximum efficiency.
5. Explain voltage regulation of transformer under different power factor load conditions.
6. Draw and Explain phaser of transformer under no load and lagging load condition.
7. Explain equivalent circuit of transformer and state its advantages.
8. Describe the open circuit and short circuit test on transformer and state advantages of test on direct load test methods.

Unit-V

1. Describe the Scott connection on transformer and state the applications
2. Describe the open delta or V –V connection and load sharing under this connection with respect to normal operation.
3. Enumerate the necessary and desirable conditions for parallel operation of transformer along with their equations.
4. Enumerate the advantages and disadvantages of three phase unit transformer and transformer bank of three single phase transformer.
5. Explain polarity test on transformer and its significance in parallel operation of transformer
6. Explain the inrush current phenomena in transformer

ShramaSadhana Bombay Trust's

COLLEGE OF ENGINEERING AND TECHNOLOGY

BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)

DEPARTMENT OF INFORMATION TECHNOLOGY/ COMPUTER ENGINEERING

Software Engineering Question Bank

Unit-1

Q.1	What is Software?
Q.2	What is software engineering?
Q.3	What Is the Difference Between Software Engineering and Computer Science?
Q.4	What is the aim of software engineering? Describe the characteristics of software contrasting it with the characteristics of hardware.
Q.5	What do you understand by the term Software Development Life cycle (SDLC)? Discuss The generic waterfall model.
Q.6	Define the term " Software Engineering". Also Discuss some terminologies which are frequently used in the field of software engineering.
Q.7	Discuss selection process parameters for a life cycle model.
Q.8	Draw a diagram for pure waterfall life cycle.
Q.9	What is Software Development Life Cycle? (SDLC)
Q.10	What are the various categories of software?
Q.11	List the task regions in the Spiral model.
Q.12	What are the drawbacks of spiral model?

Unit-2

Q.1	What are the crucial process steps of requirement engineering? Discuss with the help of a diagram.
Q.2	List out requirement elicitations techniques. Describe FAST
Q.3	Consider the problem of railway reservation system and design the following things: (i)Problem Statement , (ii) Use case diagram
Q.4	Consider the problem of railway reservation system and design the following things: (i)Problem Statement , (ii) Use case diagram
Q.5	What is requirement engineering?
Q.6	What are the prototyping approaches in software process?
Q.7	Explain Spiral model
Q.8	Explain in detail about the software process.
Q.9	What are the Objectives of Requirement Analysis?

Unit-3

Q.1	Discuss the objectives of software design. Define module Coupling and explain types of Coupling.
Q.2	List a few well-established function oriented software design techniques. Discuss Structure Chart.
Q.3	Describe the various strategies of Design. Explain the most popular Hybrid design
Q.4	Define the following terms: Objects, Messages, Abstraction , Class, Inheritance and Polymorphism.
Q.5	Define design process. List the principles of a software design.
Q.6	What are the different types of Cohesion?
Q.7	What is coupling?What are the various types of coupling?

Unit-4

Q.1	What is a coding standard ? List coding standard. Identify the problem that might occur if the engineers of an organization do not adhere to any coding standard.
Q.2	Distinguish between coding standard and coding Guidelines. Write down coding guidelines that you would recommend.
Q.3	Discuss the role of software testing during SDLC. Explain Testing Strategy with diagram
Q.4	Why should we test? Comment on this Statement. Briefly discuss Alpha, Beta and Acceptance Testing.
Q.5	What is the difference between a coding guideline and a coding standard?
Q.6	What are the various types of system testing? Explain the types of software testing.
Q.7	Explain in detail about Black box testing.
Q.8	Explain about the software testing strategies.
Q.9	Explain in detail about White box testing.
Q.10	What are the various testing activities?

Unit-5

Q.1	Discuss various types of COCOMO mode. Explain Basic COCOMO Model
Q.2	Describe any two software size estimation techniques.
Q.3	Describe the various levels of CMM.
Q.4	Explain Project scheduling using Gantt charts & PERT
Q.5	What do you understand by the terms CASE tool and CASE environment? What is a programming environment?
Q.6	Explain PERSONAL SOFTWARE PROCESS with levels.
Q.7	Schematically draw the architecture of a CASE environment and explain how the different tools are integrated.
Q.8	Define the purpose of SIX SIGMA. Explain it detail.
Q.9	Define CASE Tools.

Minutes of Meeting

Shrama Sadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO. 94, JALGAON – 425001. (M.S.)

Ref. No. COET/P.O./922/06/17 Date: June 23, 30, 2017

Minutes of the meeting of all HoDs, TPO, Physical Director and Cultural Committee Chairman with Principal held on 22.06.2017 at 3.00 p.m. in the Principal's meeting hall.

Following members were present.

1.	Dr. K. S. Wani	Principal
2.	Dr. S. P. Shekhawat,	HoD, Mechanical
3.	Dr. G. K. Patnaik	DOA & HoD, Computer
4.	Dr. S. R. Suralkar	DOAD & HoD, E&TC
5.	Dr. M. Hussain	HoD, Civil
6.	Dr. P. J. Shah	HoD, Electrical
7.	Dr. V. R. Diware	HoD, Chemical
8.	Dr. V. S. Rana	HoD, MBA
9.	Dr. I. D. Patil	HoD, Biotech
10.	Dr. V. U. Edlabadkar	HoD, App. Sc.
11.	Mr. S. J. Patil	Asst. Prof., IT
12.	Dr. S. A. Thakur	TPO
13.	Mr. J. B. Sisidiya	Physical Director
14.	Mr. M. V. Rawalani	Cultural Committee Chairman

Following are the minutes of the meeting:-

1. Tentative Academic Calendar for the Academic Year 2017 – 18 is discussed and finalized.
2. Seminar / Project Presentation should be completed on or before stipulated date.
3. For ISE – I and ISE – II, maximum mark is 10. Marks secured by the students in ISE – I and ISE – II should be added for the award of total ISE marks out of 20.
4. Students must have more than or equal to 75% attendance in theory of respective subject to be eligible to appear for ISE – I and ISE – II in the respective subject.
5. Student Feedback should be taken bit early so that appropriate majors can be taken to improve.
6. Students with attendance less than 75% in theory subjects should not be allowed to participate in Cultural / Sports activities.
7. Undertaking regarding attendance should be taken from each and every student at the time of registration.
8. International Conference is to be organized jointly by Chemical and Civil Engineering department.
9. Teacher – Guardian Scheme should be implemented effectively. If possible, ONE hour slot may be allocated in the time-table for the same.
10. ONE senior faculty should be entrusted as Class / Division Head so as to take care of Academic Activities in the respective Class / Division.
11. Principal / Director / HoD will counsel the final year students regarding T & P activities, GATE 2019 Examination etc.

12. Technical competition for the students should be organized throughout the year to improve their skill and competitiveness.
13. (Innovative) projects at TE and BE should be assigned by the faculty, and repetition should be avoided.
14. Students and Faculty members should be made aware of NPTEL / SWAYAM / Moodle / National Digital Library / Institute Repository etc.
15. Patent filing should be encouraged.
16. BE Students should be allowed to register in Interdisciplinary Elective on First-Cum-First-Serve basis within ONE Week of commencement of classes. List of offered Interdisciplinary Elective with Intake should be displayed on the notice board.
17. Management related theory subjects of Chemical deptt., Computer Deptt. and Electrical deptt. should be taken by the faculty members of MBA deptt.
18. Time-table for the academic year 2017 – 18, Term – I should be submitted to the Principal on or before June 29, 2017.

The meeting ended with vote of thanks.

30.6.17

PRINCIPAL

PRINCIPAL
SSBT's College of Engg. & Technology
Bambhori,Jalgaon-425001(M.S.)

Copy to:
1. All HoDs
2. Principal's office

Feedback

2019 – 20 II

Mid – Sem Feedback Form for Teacher Appraisal by Students

Class: TE Div B

Sr. No.		Environmental Engineering (Dr.M.Husain)	Structural Engineering (P.R.Punase)	Smart City Planning (S.J.Ingole)	Building construction Practices (J.N.Kale)	Transportation Engineering (Ankita Sarode)
1	The teacher is punctual in the class.	5	4	5	5	5
2	The teacher comes well prepared for the class.	4	5	5	4	4
3	The teacher uses modern teaching aids, handouts, suitable references, presentation slides, web-resources, etc.	4	4	4	5	5
4	The teacher provides the course outline at the beginning of Semester.	5	5	4	5	4
5	The teacher revises the topics covered in the previous class.	5	4	5	4	3
6	The teacher discusses topics and interact in the class.	4	5	4	5	4
7	The teacher uses examples effectively.	5	4	5	4	5
8	The teacher gives clear explanations.	5	4	5	4	4
9	The teacher creates interest in the subject / topic.	4	4	3	5	4
10	The teacher encourages students to ask questions and give answers.	4	5	5	4	5
11	Classroom delivery by the teacher is audible and understandable.	4	4	4	5	4
12	The teacher controls the students in effectively conducting the class.	5	5	5	5	4

13	The teacher manages the class time effectively.	4	5	4	5	4
14	The teacher focuses on Syllabus.	4	5	5	4	4
15	The teacher indicates important points to remember.	5	4	5	5	4
16	The teacher provides helpful comments on subject / topic for exams.	5	4	4	4	5
17	The teacher's attitude towards the students is friendly & helpful.	4	5	5	4	4
18	The teacher is available and accessible in the department for extra help when required.	5	4	4	4	5
19	The teacher has Self-confidence in the subject.	4	5	4	5	4
20	The teacher has good Communication skills.	5	4	4	5	4
21	The evaluation process by the teacher is fair and unbiased.	4	4	4	4	3
22	I have learnt and understood subjects / topics in this course.	4	5	5	5	5

1.Strongly Disagree
2.Disagree
3.Neutral
4.Agree 5.Strongly Agree

SSBT's College of Engineering and Technology ,Jalgaon

Civil Engineering Department

Teachers Appraisal by Students (2019-20 Term-II)

TE B

Sr.No.	Name Of Teacher	Subject	Performance	Signature Of Subject Teacher
1	Dr.M.Husain	Environmental Engg.	95.30	
2	J.N.Kale	Building construction practice	90..60	
3	J.R.Mali /P.R. Punace	Structural Enggineering	90.20	
4	Ankita Sarode	Transportation Enggineering	76.56	
5	Sneha Ingole	Smart city planning	74.66	

Signature of Class teacher

Head Civil Engineering Department

Head, Civil Engineering
SSBT's College of Engg. & Tech.
Bambhori,Jalgaon(M.S.)

Remedial Class (Slow Learner)

ShramSadhana Bombay Trust's
COLLEGE OF ENGINEERING AND TECHNOLOGY
BAMBHORI, POST BOX NO.94, JALGAON – 425001.(M.S.)
Information Technology Department

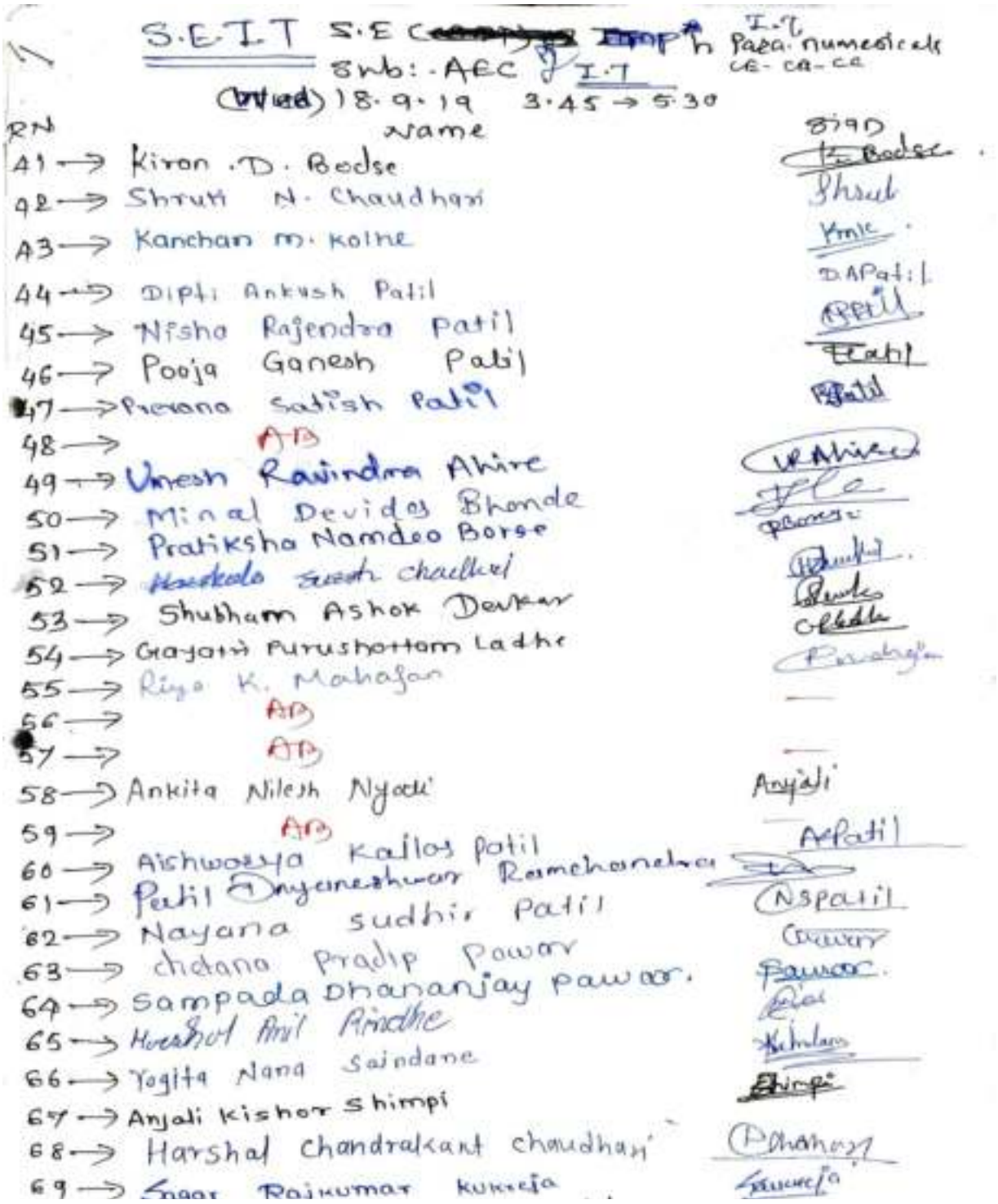
Date: 16/09/2019

NOTICE

All the SE Information Technology students are hereby informed to attend the remedial classes for the Subject Analog Electronic Circuits on 18 September 2019 from 3:45 PM to 5:30 PM.

Dr. M. P. Deshmukh
Subject Incharge

HOD



S.E.I.T S.E C[illegible] [illegible] h
Sub: AEC I.T
(Wed) 18.9.19 3.45 → 5.30
I.T Para. numericals CE- CA- CA

RN	Name	BJPD
41 →	Kiran .D. Bedse	Bedse
42 →	Shruti N. Chaudhari	Shruti
43 →	Kanchan M. Kolhe	Kmle
44 →	Dipti Ankush Patil	DAPatil
45 →	Nisha Rajendra Patil	RPatil
46 →	Pooja Ganesh Patil	[illegible]
47 →	Prerana Satish Patil	[illegible]
48 →	AB	
49 →	Umesh Ravindra Ahire	UR Ahire
50 →	Minal Devidas Bhonde	[illegible]
51 →	Pratiksha Namdeo Borse	[illegible]
52 →	Harekale Sneh chaudhari	[illegible]
53 →	Shubham Ashok Devkar	[illegible]
54 →	Gayatri Purushottam Ladhe	[illegible]
55 →	Riya K. Mahajan	—
56 →	AB	
57 →	AB	—
58 →	Ankita Nilesh Nyadi	Anjali
59 →	AB	APatil
60 →	Aishwarya Kailas Patil	[illegible]
61 →	Patil Dnyaneshwar Rameshwar	NSPatil
62 →	Nayana sudhir Patil	[illegible]
63 →	chetana Pradip Pawar	Pawar
64 →	Sampada Dhananjay pawar.	[illegible]
65 →	Harshal Anil Pindhe	[illegible]
66 →	Yogita Nana Saindane	[illegible]
67 →	Anjali Kishor Shimpi	[illegible]
68 →	Harshal Chandrakant chaudhari	[illegible]
69 →	Sagar Rajkumar Kukreja	[illegible]

Department of Applied Science

Date:-08/03/19

All the Students of First Year Section F, G, H, I are hereby informed to attend the remedial classes for the subject BEEE as per the schedule given below

Sr No	Date	Time
1	11/03/19	9:30 AM to 10:45 AM
2	12/03/19	9:30 AM to 10:45 AM
3	13/03/19	9:30 AM to 10:45 AM
4	18/03/19	9:30 AM to 10:45 AM
5	19/03/19	9:30 AM to 10:45 AM
6	22/03/19	9:30 AM to 10:45 AM

Subject Incharge

Dr. M. P. Deshmukh

HOD

Head
Applied Science Dept.
C.O.E.T., Bambhori, Jalgaon

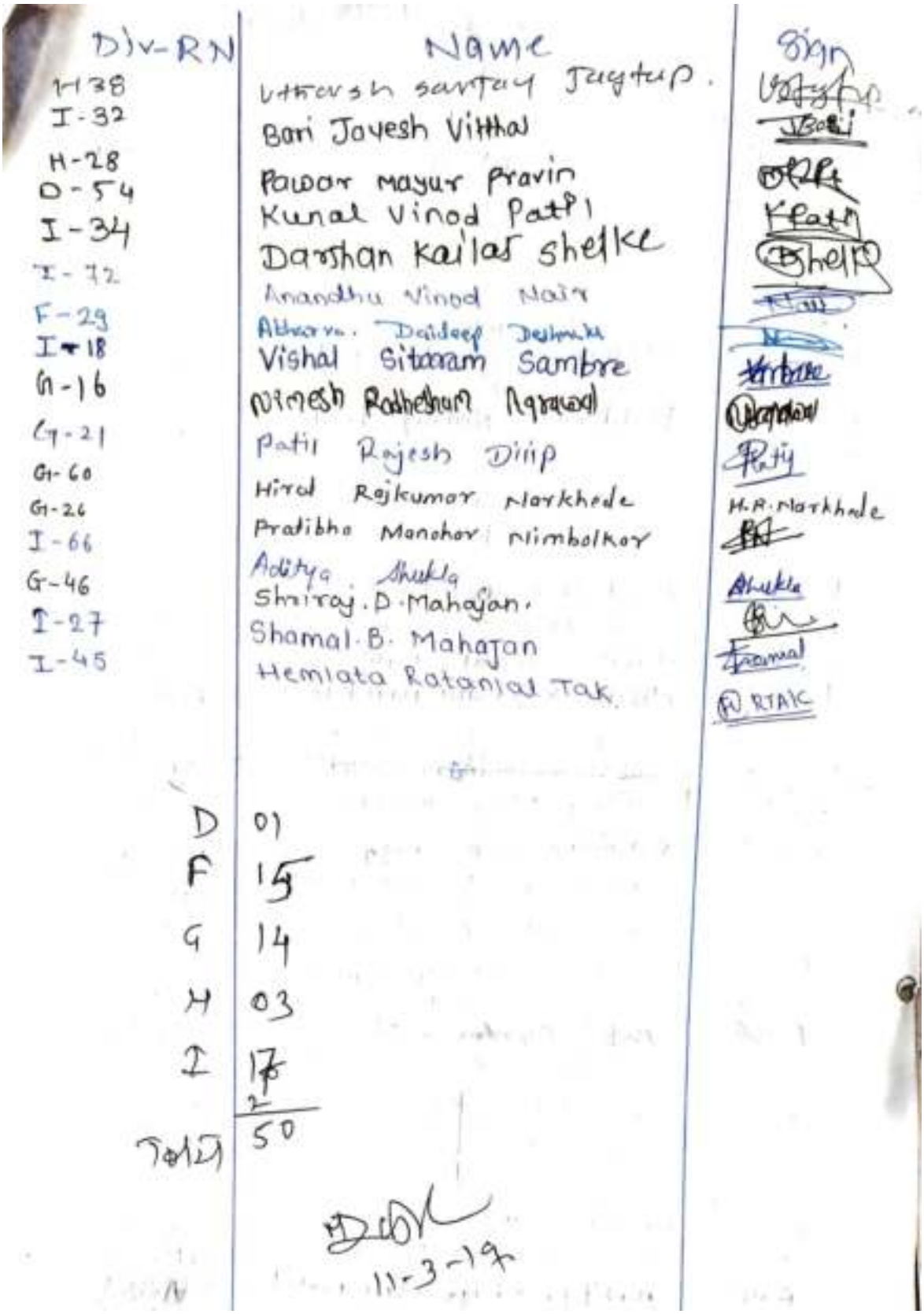
Dr. K. S. Patil

BEEE – Remedial class

MON:- 11-3-2019

9.30 - 10.45

DIV-RN	Name	Sign
G - 57	Mansi Ganesh Sarkate	M.S.
G - 66	Ashwini Prakash Naiknaware	Naikwa
I - 01	Poonam Tukaram Patil	Patel
I - 03	Shweta Samrat Pakihar	Spathar
F - 38	Mayuri Rajendra patil	Mpatil
F - 62	Pooja Rajendra Vispute	Vispute
F - 31	Pratiksha Dattatray Ubhale	Ubhale
I - 54	Vinita suresh Bajaj	Bajaj
I - 9	Gayatri Rajesh Patil	Gpatil
G - 9	Purva Vishnu patil	Ppatil
F - 32	Vrushali Manoj Patil	Vpatil
I - 8	Mohini Onyaneshwar Jadhav	MJadhav
I - 53	Shital Sanjay Patil	Patil
F - 57	Nikita Rajendra Baviskar.	NBaviskar
F - 46	Pooja Santosh Mali	Pmali
F - 33	Janvi Ravindra Patil	Patil
G - 32	Taskeen Moiz Quadri	Mquadri.
G - 01	Harshikesh Sanjay wagh	Hwagh
G - 36	Thamanne Shivam Anil	SA Thamanne
F - 28	Tgue Kailas Scindone	
F - 30.	Chaitanya pradip Shinde.	Cshinde
F - 24	Aniket mohan patil	Apatil
F - 56	Prajod Rajendra Patil	Ppatil
F - 63	Kartik Nandkumar Pawar	Kpatil
F - 27	Devendra Bajarang Kharatmal	DKCHF
I - 28	Patil Narendra Gokul	Npatil
G - 55	patil Yashodha Abasaheb	Ypatil
G - 43	Mathe Sandip Shravan	Smathe
I 55	Prajwal Arun Parakh	PAParakh
F 06	Aaditya Bhagwansing Patil	Apatil
G 56	Kiran Prakash Payade	Kpayade
I - 39	Akash Prakash Temkar	Atemkar.
I - 22	Mayur Subhash Khairnar	Mkhai



Div-RN	Name	Sign
H-38	Utkarsh Santaji Jagtap.	
I-32	Bari Javesh Vitthal	
H-28	Pawar mayur pravin	
D-54	Kunal Vinod Patil	
I-34	Darshan Kailas shelke	
I-72	Anandhu Vinod Nair	
F-29	Abhaya Daideep Deshmukh	
I-18	Vishal Sitaram Sambre	
H-16	Nimesh Radheshyam Agrawal	
G-21	Patil Rajesh Dilip	
G-60	Hiral Rajkumar Markhede	
G-26	Pratibha Manohar Nimbalkar	
I-66	Aditya Shukla	
G-46	Shivraj. D. Mahajan.	
I-27	Shamal. B. Mahajan	
I-45	Hemlata Ratanlal Tak	

D	01
F	15
G	14
H	03
I	17
	2
Total	50

11-3-19

Add-On Course (Advanced Learner)

SSBT's Collage of Engineering and Technology , Bambhori
Department of Information Technology
Schedule of Add-on Course
Class: BE

Sr No	Date	Time	Topic
1	02/03/2020	11:00 to 1:oo	How to Prepare for Arithmetic Apptitude
2		1:45 to 3:45	warm up session (Operations on numbrs,Somplification, Squares, Cubes,
3		4:00 to 6:00	Rratio and Proportion, Partnership
4	03/03/2020	11:00 to 1:oo	Percentage , Average
5		1:45 to 3:45	Alligation, Boat and stream
6		4:00 to 6:00	Time and Work, Work and Wedges
7	04/02/2020	11:00 to 1:oo	Time and Distance
8		1:45 to 3:45	Data analysis
9		4:00 to 6:00	Comphrension, Communication

Patil
26/2/2020

26/2/2020
Dr. U. S. Bhadade
Professor & Head

DEPARTMENT OF COMPUTER ENGINEERING
Shram Sadhana Bombay Trust's
COLLEGE OF ENGINEERING & TECHNOLOGY
Bambhori, Post Box.No.94, JALGAON - 425 001 (MS)
Phone No.: 0257-2258391/93/94/95 Ext 324, Fax:0257-2258392
Web: http://www.sscoetjalgaon.ac.in

Ref. No.:

Date: 09/08/2017

NOTICE for TE and BE COMPUTER STUDENTS

TWO days Add-on course for the students of TE and BE Computer is organized as per the following schedule.

Class	Date & Time	Add-on Course	Venue	Resource Persons
TE-Comp- A	18/08/2017 (11:00AM To 5:30PM)	Routing Configuration and Packet Tracer	Lab 10	Mr. Manoj E. Patil, Mr. Sandip S. Patil
	19/08/2017 (11:00AM To 5:30PM)	LaTeX	Lab 5 (A1,A2)	Miss. Shweta Pandey Miss. Priyanka Sonawane Miss. Priti Sharma
			Lab 6 (A3,A4)	Mr. Satpalsing D. Rajput Miss. Archana Shinde Mr. Dipak D. Bage
TE-Comp-B	18/08/2017 (11:00AM To 5:30PM)	LaTeX	Lab 5 (B1,B2)	Miss. Shweta Pandey Miss. Priyanka Sonawane Miss. Priti Sharma
			Lab 6 (B3,B4)	Mr. Satpalsing D. Rajput Miss. Archana Shinde Mr. Dipak D. Bage
	19/08/2017 (11:00AM To 5:30PM)	Routing Configuration and Packet Tracer	Lab 10	Mr. Manoj E. Patil, Mr.Sandip S. Patil
BE-Comp- A	18/08/2017 (11:00AM To 5:30PM)	Python	Lab-9	Mr. Sushant S. Bahekar Mr. Pravin K. Patil Mr. Harshal R. Kotwal
	19/08/2017 (11:00AM To 5:30PM)	R Programming	Lab-11 (A1,A2)	Miss. Dhanshree Tayade Mr. Nitin Y. Suryawanshi Miss. Suchita Kolhe
			Lab-12 (A3,A4)	Mr. Akhash D. Wagmare Mr. Dinesh D. Puri Mrs. Shital A. Patil
BE-Comp-B	18/08/2017 (11:00AM To 5:30PM)	R Programming	Lab-11 (B1,B2)	Miss. Dhanshree Tayade Mr. Nitin Y. Suryawanshi Miss. Suchita Kolhe
			Lab-12 (B3,B4)	Mr. Akhash D. Wagmare Mr. Dinesh D. Puri Mrs. Shital A. Patil
	19/08/2017 (11:00AM To 5:30PM)	Python	Lab-9	Mr. Sushant S. Bahekar Mr. Pravin K. Patil Mr. Harshal R. Kotwal

It is compulsory for all the students to attend the same.
TE Computer students are asked to bring their own Laptop with Windows OS for the said Add-on courses. Further they are also asked to collect the required software in-advance from the concerned resource persons and copy the same in their own Laptop before the scheduled course.

(Dr. Girish R. Pathak)
Prof. & Head

Vision: To emerge as the leading Computer Engineering department for inclusive development of students.
Mission: To provide student-centered conducive environment for preparing knowledgeable, competent and value-added computer engineers.

S.S.B.T.'s College of Engineering and Technology, Bambhori
Computer Engineering Department
Attendance Report

A-1

Name of Workshop: Latex Date: 19/8/17

Sr. No	Name of Student	Roll No.	Class with section	Sign
01	Chetan Sanjay Ahire	01	TE (A)	Ahire
02	Revati Atul Akole	02	TE(A)	
03	Ansari Zohaib Faisal	03	TE(A)	
04	Ansari Mazhar Ahmed Mobin	04	TE (A)	
05	Badgujar Prajakta Ravindra	05	TE(A)	
06	Unnati S. Badgujar	06	TE(A)	
07	Sayali R Bagul	07	TE(A)	
08	Pooja Pramod Bangali	08	TE(A)	
09	Radhika Ramesh Bangar	09	TE(A)	
	ABSENT			
11	Pooja R. Barhate	11	TE(A)	
12	Prachi A Barkale	12	TE(A)	
13	Pragati subhash Bendale	13	TE(A)	
	ABSENT			
15	Dhiraj D. Bhagat	15	TE(A)	
16	Komal D. Bhagvat	16	TE(A)	
17	Bhagyashri S. Bhirambe	17	TE(A)	
18	Bhavesh Ramesh I Rokit	18	TE(A)	

Name & Signature of Resource Persons:

1) Priti Sharma
2) Sweta Pandey
3) Priyanka Sonar

S.S.B.T.'s College of Engineering and Technology, Bambhori

Computer Engineering Department

Attendance Report A2

Name of Workshop: Latex Date: 19/8/17

Sr. No	Name of Student	Roll No.	Class with section	Sign
1	Shraddha Kishor Bhirud	19	T.E(A)	
2	Roshani U. Fulpagare	36	T.E(A)	
3	Neha Chaudhari	28	TE(A)	
4	Anjali Arun Deware	33	T.E[A]	
5	Sakshi Jiyan Bhosale	21	T.E [A]	
6	Mohini Dinesh Chaudhari	27	T.E [A]	
7	Arati Rajendra Dhake	34	TE[A]	
8	Harshada Ravindra Chaudhari	25	TE(A)	
9	Rajshri Bhagwan Chaudhari	29	TE(A)	
10	Archana Anna Borse	23	TE(A)	
11	Anjali Prabhakar Dongre	35	TE(A)	
12	Rahul Chopade	31	TE(A)	
13				
14				
15	Ritesh Hridaya Bhojwani	20	TE(A)	
16	Milind Rahul Ashade	22	T.E(A)	
17	Sumedh Bhadke	14	T.E(A)	
18	Shubham V Kejariwal	53	TE(A)	
19	Alfaaz Firoz Jahagirdar	41	TE(A)	
20	Malik Azhar Umrai	11	TE(A)	

ABSENT

Name & Signature of Resource Persons:

1) Priti Sharma

2) Sweta Pandey

3) Priyanka Sonawane

S.S.B.T.'s College of Engineering and Technology, Bambhori
Computer Engineering Department
Attendance Report

Name of Workshop: Latex Date: 18/8/17

Sr. No	Name of Student	Roll No.	Class with section	Sign
33	Ravina Sunil Patil	33	TE(A)	R.S.Patil
34	Sachin Gapesh Patil	34	TE(B)	
35	ABSENT			
36	Patil shital sanjay	36	TE(B)	Patil
37	ABSENT			

Prem K. Pdy

Name & Signature of Resource Persons:

1) Priti Shegme
2) Sweta Pandey
3) Priyanka Sonawane

TE-B (2017-18) - B3, B4

S.S.B.T.'s College of Engineering and Technology, Bambhori
Computer Engineering Department
Attendance Report

Name of Workshop: LaTeX Date: 18/08/2017

Sr. No	Name of Student	Roll No.	Class with section	Sign
1)	Snehal R. Patil	37	TEB	
2)	Pallavi S. Raut	51	TE B	P.S Raut
3)	Toshna D. Patil	39	TE.(B)	
4)	Vasundhara J. Patil	40	TE (B)	
5)	Vrushali D. Sonawane	P7	TE(B)	
6)	pranjali T. pawar	42	TE (B)	
7)	shital s. Wagh	65	TE (B)	
8)	Tejaswini P. Rajurkar	49	TE(B)	
9)	Pratiksha S. Shimbre	P4	TE(B)	
10)	Ritika Anil Rajput	48	TE (B)	
11)	Rupali Pradip Pawar	43	TE [B]	
12)	Dipali B. Patar	46	TE [B]	
13)	Patil Yogita Sopan	41	TE [B]	
14)	Rucha Kailas Sonawane	62	TE (B)	
15)	Namrata Anil Rathod	50	TE (B)	
16)	Dipali R. Sali	53	TE (B)	
17)	Sameeksha R. shinde	59	TE (B)	
18)	Dhanshri G. Sapkale	54	TE (B)	
19)	Anita V. Rozadhkar	52	TE (B)	A.V.Rozadkar
20	Tejal K. patil	38	TE (B)	
21	Snehal A. shimpi	58	TE (B)	
22	Ashwini D. Sawant	55	TE (B)	
23	Nidhi Kishor Zope	69	T.E(B)	
24	Sapana Mukesh Patil.	35	TE(B)	
25	Sukanya K. Sonar	69	TE (B)	
26	Sharayu S. Rajwad	P2	TE (B)	
27	Revati C. Pimpalkar	45	TE(B)	
28 ~~66~~	Samiksha D. Wani	66	TE(B)	
29	Gauri D. Kshirsagar	73	TE (A)	
30	Sanket S Pawar	44	TE (B)	
31	Harshal S. Sonar	60	TE (B)	
32	Jaypal A Rajput	47	TE(B)	

Name & Signature of Resource Persons:

Prof. K.P.W

Head
Computer Engineering Department
SSBT's College of Engineering & Technology

S.S.B.T.'s College of Engineering and Technology, Bambhori
Computer Engineering Department
Attendance Report

Name of Workshop:

Date:

Sr. No	Name of Student	Roll No.	Class with section	Sign
1	yash Sanjay Sharma	57	TE-B	
2	Kalpesh Rajendra Pawar	P5	TE-B	
3	Kalpit Madhusudan Vadnerkar	63	TE-B	
4	Hemant Madhukar Zope	68	TE B	
5	Chetan Shyamkant wankhedekar	G1	TE B	
6	Rajendra Vilas Deshmukh	P6	TE B	
7	~~Hemraj Anil Jadhao~~			

Name & Signature of Resource Persons:

Prof. S. K. Patil

TE A (2017-18) - A3, A4

S.S.B.T.'s College of Engineering and Technology, Bambhori
Computer Engineering Department
Attendance Report

Name of Workshop: Latex Date: 19/08/17

Sr. No	Name of Student	Roll No.	Class with section	Sign
1.	Kavishwar Vasant Mahale	69	TE-A	
2.	Kanade Shubhangi Sanjay	48	TE-A	
3.	Mahajan Madhuri Vikram	CC	TE-A	
4.	Kukreja Kirti Pradeep	P1	TE-A	
5.	Sanjay N. Hemnani	38	T.E-A	
6.	Hardeep B. Jethwani	46	T.E.A	
7	Nikita Y. Mahajan	68	TE A	
8.	Bhawna S. Jain	42	T.E.A	
9.	Priyanka Prafful Jabade	43	T.E A	
10.	Jaya Suryawanshi	45	TE. A	
11.	Tejal P. Gharate	37	TE-A	
12.	Nikita S. Kadekar	52	TE-A	
13	Mayuri K. Lohar	60	TE A	
14	Prerna D. Kapse	50	TE A	
15	Priyanka P Koli	56	TEA	
16	Megha S Jalasiya	51	TEA	
17	Lalit S Mahajan	65	TE A	
18	Digvijay Balkrishna Mahajan	63	TE A	
19	Ganesh C Koli	55	TE A	
20	Snehal A Kumawat	57	TE A	
21	Hemangi R. Jadhav	40	TE A	
49	Damini P. Rangale	49	TE A	
23	Mamta R. Lambole	59	TE A	
24	Priyanka S. Ladhe	58	TE A	
25.	Shruti Jagle	39	TE A	
26.	Rupali H. Lokhande	61	TE A	
27	Neha Pandurang Mahajan.	67	TE (A)	
28	Jayashree Mohan Mahajan.	64	TE (A)	
29	Ashwini Vijay Mahajan	62	TE (A)	

Name & Signature of Resource Persons:

Prof. K. Patil