

Criterion 1 - Curricular Aspects

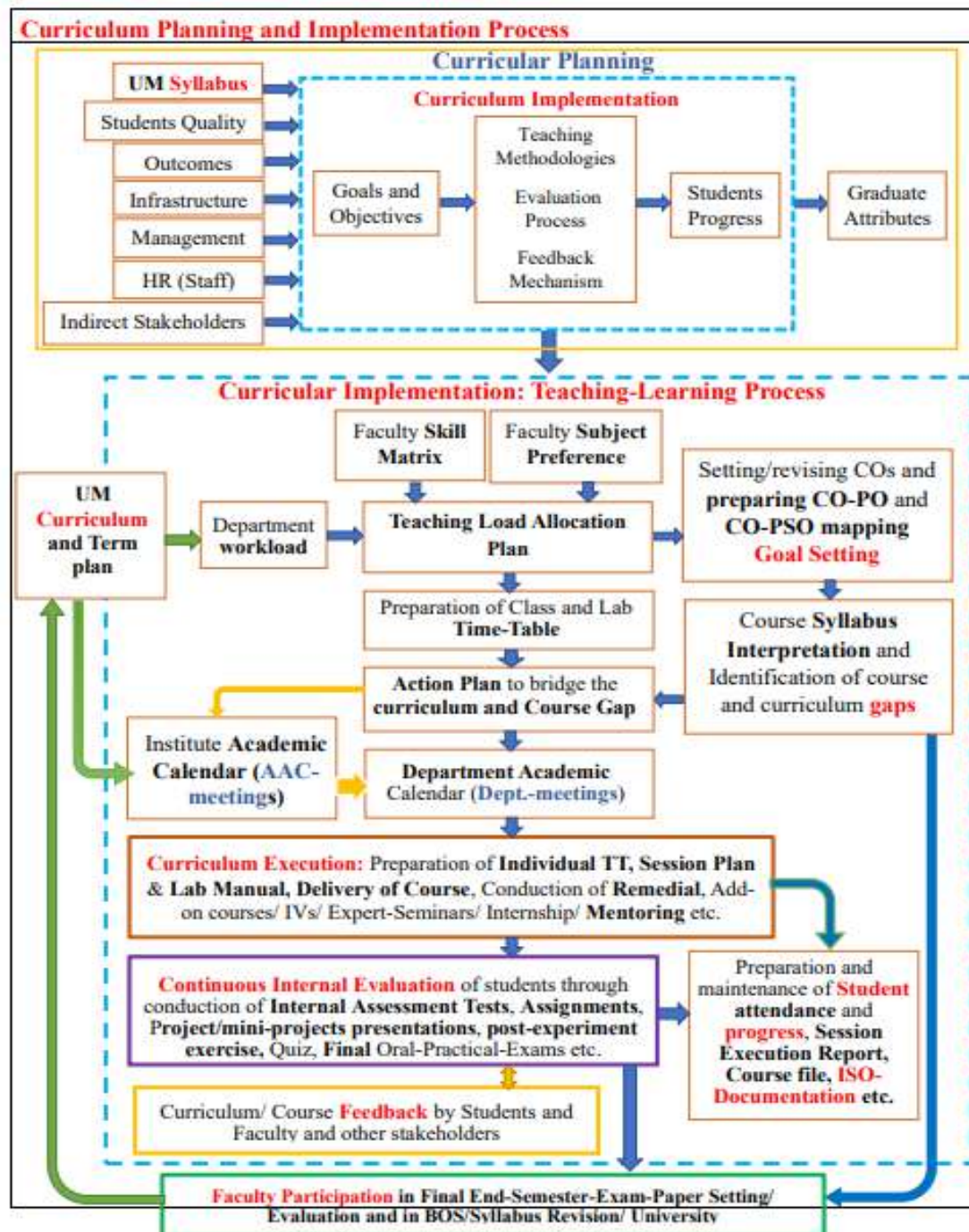
1.1 Curricular Planning and Implementation

Support File for Cri-1.1.1: The institution adheres to the academic calendar including for the conduct of CIE

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Curriculum Planning and Implementation Process



Subject-Preference Form of faculty-ISO Template

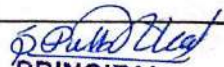
ST. FRANCIS INSTITUTE OF TECHNOLOGY			
Mount Painsur, SVP Road, Borivali (W), MUMBAI - 400103.			
			SFIT/MECH/F-01/REV0
Department of Mechanical Engineering			
Subject Preference Form (SPF)			
Name of Teacher :			
Qualification/s with Specialisation :			
Academic Year: 2022-23		Semester: ODD / EVEN	
Subjects taught in the corresponding semester of previous academic years.			
Sr. No.	Class / Semester	Subjects	No. of times taught previously
1			
2			
3			
4			
Subjects you would like to teach in current semester in your department (in order of preference)			
Sr. No.	Class / Semester	Subjects	No. of times taught previously
1			
2			
3			
4			
Subjects you would like to teach in current semester in other departments (in order of preference)			
Sr. No.	Class / Semester	Subjects	No. of times taught previously
1			
2			
3			
4			
Signature of the concerned staff member with date :			
Signature of H.O.D / In Charge H.O.D / Department Coordinator with date :			




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Subject-Preference Form of Faculty- Sample

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			SFIT/MECH/F-01/REV0
Department of Mechanical Engineering Subject Preference Form (SPF)			
Name of Teacher : <i>Byrani Malakondaiah</i>			
Qualification/s with Specialisation : <i>M.E / Thermal</i>			
Academic Year: <i>2022-23</i>		Semester: ODD / EVEN	
Subjects taught in the corresponding semester of previous academic years.			
Sr. No.	Class / Semester	Subjects	No. of times taught previously
1	<i>BE / VIII</i>	<i>Power Engineering</i>	<i>1</i>
2	<i>TE / VI</i>	<i>MQE</i>	<i>1</i>
3	<i>BE / II</i>	<i>Engineering Graphics</i>	<i>12</i>
4			
Subjects you would like to teach in current semester in your department (in order of preference)			
Sr. No.	Class / Semester	Subjects	No. of times taught previously
1	<i>BE / VIII</i>	<i>Product Design and Development</i>	<i>NIL</i>
2	<i>TE / VI</i>	<i>Turbo Machinery</i>	<i>NIL</i>
3	<i>TE / VI</i>	<i>Metal Forming Technology</i>	<i>NIL</i>
4			
<i>Engg Graphics</i>			
Subjects you would like to teach in current semester in other departments (in order of preference)			
Sr. No.	Class / Semester	Subjects	No. of times taught previously
1	<i>BE / II</i>	<i>Engineering Graphics</i>	<i>12</i>
2			
3			
4			
Signature of the concerned staff member with date : <i>B. Byrani</i> <i>2-11-2022</i> .			
Signature of H.O.D / In Charge H.O.D / Department Coordinator with date :			


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Department Workload-Sample

ODD SEM

Workload Computer: ODD SEM 2022-23

SEM		Lecture(hrs×div)	Practical(hr×batch)	Total
2 ND Year SEM III	DL&COA	3×2=6	2×2×3=12	18
	DIM	3×2=6	NA	06
	DAS	3×2=6	2×2×3=12	18
	CG	3×2=6	2×2×3=12	18
	OOPM	2×2=4	2×2×3=12	16
	Mini Project 1A	1/4grps	40/4=10	10
TOTAL				86
3 RD Year SEM V	SE	3×2=6	2×2×4=16	22
	DWM	3×2=6	2×2×4=16	22
	TCS	3×2=6	2×2×4=16	22
	CN	3×2=6	2×2×4=16	22
	DLOC-I	3×3=9	NA	09
	Mini Project 2A	1/4grps	40/4=10	10
TOTAL				107
4 TH Year SEM VII	ML	3×2=6	2×2×4=16	22
	BDA	3×2=6	2×2×4=16	22
	DLOC-III	3×3=9	2×2×4=16	25
	DLOC-IV	3×3=9	2×2×4=16	25
	ILOC-I	3×2=6	NA	06
	Major Project 1	1/2grps	40/2	20
TOTAL				122

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Workload Computer: ODD SEM 2022-23

	AAC	4x1		4
MEM	AOS	4x1		4
SEM I	ACND	4x1		4
	Department Level Optional	4x1		4
	Institute Level Optional	3x1		3
	Course-II			
	Computational Laboratory-I	2x1		2
	DEC Laboratory-I	2x1		2
	Total			23

HOD-CVPE

Dr. Kavita Sonawane

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EVEN SEM

Department of Computer Engineering
WORK LOAD: EVEN SEM 2022--2023

SEM	SUB	Lecture	Practical	Total
2nd Year IV	AOA BR-12, NF1 = 06	3×2=6	2×3×2=12	18
	DBMS PP-14, KS = 4	3×2=6	2×3×2=12	18
	OS NG = 14, ML = 4	3×2=6	2×3×2=12	18
	MP DP = 14, AM = 4	3×2=6	2×3×2=12	18
	Skill Based LAB(Python) ML=12, VN=2×2=4 VM=4		2×3×2=12	16
	Mini Project	1hr/4 groups	40+ groups	10
TOTAL				98
3rd Year VI	SPCC VS = 16, NF = 06	3×2=6	2×4×2=16	22
	CSS VN = 11, AK = 11	3×2=6	2×4×2=16	22
	Mobile Computing PKJ = 9 AM = 13	3×2=6	2×4×2=16	22
	AI PK = 11, SK = 11	3×2=6	2×4×2=16	22
	DLOC-II (with Electives) <ul style="list-style-type: none"> • Internet of Things • Digital Signal & Image Processing • Quantitative Analysis SK = 6 	3×2=6 3×1=3	NA	9
	MINI PROJECT	1hr/4groups	45 Groups	12
	Skill based Cloud Computing Lab CCL AM = 12, SM = 8, MK = 6, NF2 = 6		4×4×2=32	32
TOTAL				141
4th Year VIII	Distributed Computing SK = 2, SM = 9 MK = 1	3×2=6	2×4×2=16	22
	Department Level Optional Course - V			
	Deep Learning RM = 7	3×1=3	2×2=4	25 ✓
	Applied Data Science NA = 12, PK = 6	3×2=6	2×6=12	
	Department Level Optional Course - VI	3×2=6	2×4×2=16	22 ✓
	Social Media Analytics JM = 14 SK = 8			
	Insti. Level Optional Course-II TLOC II NF2 = 6	3×3=9	ISNT/level	09/06
	Project			40
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			TOTAL	118

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ME	AAC	EDNB R4-3	3x1		3
SEM I	ACND	CCLS AM-3	3x1	SFA-18/20	3
	Department Level Optional Course-II-- MOS		3x1	RM-6	3
	Department Level Optional Course-III-- ICT for Social Cause		3x1	AK-4	3
	Institute Level Optional Course-II		3x1	PK-4	3
	NF		3x1	NF-4/6	3
	Computational Laboratory-I		2x1	-	2
	Skill Based Laboratory-I		4x1		4
					Total=21
ME SEM II					Total=378
LOAD (UG + PG) (without ME sem I Load)					Total = 08
Honors Load=					


 HOD C/EPN 18/11/22
 Dr. Kavita Sonawane


 18/11/22

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Teaching-Load-Allocation-Plan-Sample


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REF:EXTOP/DIR/VI

Electronics & Telecommunication Department
Teaching Load Allocation Plan for classroom teaching (TLAP)
Academic Year: 2022-2023 Semester-III (Jan to Jun 2023)

Sr. No.	Name of the Teacher	Post	Name of the Subject	Class	No of Hours Allocated								Total		
					UG				PG						
					Th.	Pr.	Tut.	Proj.	Th.	Pr.	Sem.	Proj.			
1	Dr. Deepak Desaiwal	Professor-Dean PG	EC	SE A	1	4		2	2						11
2	Dr. Uday Pratik Khot	Professor- H & D Coordinator	BFD	BE B	3			2							13
3	Dr. Chaitan Shah	Professor-VP	EA	TE B		8									11
4	Dr. Kavin Nivandha	Professor-HOD	EC	SE B	3	6		2							11
5	Dr. Easwari Chaudhari	Associate Professor- MR Coordinator	IPMV	TE B	3			2							15
			Mini Proj-2	TE A		2									
			Mini Proj-2	TE B		8									
6	Dr. Jayashree Kote	Associate Professor	WN	BE A	3			3							15
			HOT	TE	3										
			Mini Proj-1	SE A		6									
7	Dr. Vaqar Ansari	Assistant Professor	IPMV	TE A	3	6		2	3						17
			A&C	BE ELEC	3										
8	Dr. Anjali Chaudhari	Assistant Professor	EA	TE A	3	8		2							16
			MA	BE	3										
9	Ms. Monika Cheema	Assistant Professor	OCN	BE A	3	6		2	3						17
			OCN	BE B	3										
10	Dr. Santosh Chapaneri	Assistant Professor	DBMS	TE A	3			2		2					18
			ANN	TE B	3										
			Linux	TE A		8									
			MC	SE A	3	6		2							
11	Ms. Savita Kulkarni	Assistant Professor	LIC	SE A		2									17
			Mini Proj-1	SE B		4									
			IPMV	TE B		8		3							
12	Ms. Pallavi Patil	Assistant Professor	IPMV	TE A		2									17
			Skill Lab-Python	SE B		4									
13	Ms. Qumieah Shaikh	Assistant Professor	SAS	SE A	3		3	2							18
			Mini Proj-2	TE A		6									
			Skill Lab-Python	SE B		4									
Sr. No.	Name of the Teacher	Post	Name of the Subject	Class	No of Hours Allocated								Total		
					UG				PG						
					Th.	Pr.	Tut.	Proj.	Th.	Pr.	Sem.	Proj.			
14	Ms. Shilpa Chaman	Assistant Professor	MC	SE B	3	6		2							16
			ANNFL	TE A	3										
			Mini Proj-1	SE B		2									
15	Mr. Ramjee Yadav	Assistant Professor	CCN	TE A	3	2		3	1						17
			Linux	TE B		8									
			EA	TE B	3										
16	Ms. Gigi Joseph	Assistant Professor	SPA	FE	3	6		1							17
			CCN	TE A		4									
17	Ms. Valentina Rani	Assistant Professor	TNM	BE A	3			2	3	2					18
			Skill Lab Python	SE B		4									
			Linux	TE A		4									
18	Dr. Shailaja Muloic	Assistant Professor	WN	BE B	3										17
			PCOM	SE B		6									
			PCOM	SE A		4									
			CCN	TE A		2									
			CCN	TE B		2									
19	Ms. Renia Dias	Assistant Professor	SPA	FE	3	6		1							18
			Skill Lab Python	SE A		8									
			SPA	FE		2									

Syllabus Interpretation by Faculty-Sample



ST. FRANCIS INSTITUTE OF TECHNOLOGY
Department of Electrical Engineering

Power System Protection and Switchgear AY:2022-23, Term II, Sem VI

ELECTRICAL ENGINEERING SEM-VI						
Course code	Course Name	Teaching scheme (Contact Hours)			Credits Assigned	
		Theory	Pract./Tut	Lab	Pract./Tut	Total
EEC601	Power System Protection and Switchgear	3	-	3		3


Course Code	Course Name	Examination Scheme							
		Theory			End Sem Exam	Exam Duration (in Hrs)	Term Work	Pract/Oral	Total
		Internal Assessment	Test 1	Test 2					
EEC601	Power System Protection and Switchgear		20	20	20	3			100

Course Outcome:

Course Code	Course Outcome
EEC603	Power system protection and switchgear
EEC603.1	To select the appropriate switching/protecting device for substations.
EEC603.2	To discriminate between the application of circuit breaker and fuses as a protective device.
EEC603.3	To understand the basic concept of relay, types of relays and their applications in power system.
EEC603.4	To select the specific protection required for different components of power system according to the type of fault.
EEC603.5	To apply the specific protection provided for different types of transmission lines.
EEC603.6	To understand working principle of static and microprocessor based numerical relay.

Program Outcome Achieved

PO1. Engineering knowledge: Apply the knowledge of mathematics, sciences, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.


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PO2. Problem analysis: Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3. 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, social, and environmental considerations.

PO4. 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.


PO5. 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.

PO9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

Syllabus Interpretation

Chapter	Substation Equipment and Switching devices:
Topics	Substation Equipment: Instrument Transformers: Role of instrument transformers in measuring and protection, difference between measuring and protection CTs, selection of technically suitable instrument transformers; Switchgear-Definition, Types, Location of switchgear in typical power system, single line diagram to show the measuring and protection scheme Switching Devices- Isolator & Earthing switch (Requirements & definitions, Types and construction, Pantograph Isolators, Ratings), Load break switches- Ratings and applications; Contactors- Basic working principle, Terms & Definitions, applications.
References	Switchgear & Protection by Sunil S.Rao, Khanna Publications
Teaching Methodology	In class teaching using ppt, offline class using ppt/black board, uploading materials in google classroom
Assessment tools used	Internal assessment test I, Module tests of each module
Course outcome	To understand the basic substation layout.

Chapter	Circuit Breakers and Fuses:
Topics	Circuit Breaker: Arc initiation, arc quenching principles, Re-striking voltage, RRRV, Recovery voltage, Types of Circuit Breakers: For LV application- MCB, MCCB, ELCB, air circuit breakers. For HV application- SF6 circuit breakers, vacuum circuit breakers (working principle, Construction, operating mechanisms, ratings & applications), Mechanical life, Electrical life and testing of circuit breakers. Principle and applications of LV and HV DC circuit breakers


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	Fuses & their applications-introduction, classification, working principle and applications of re-wirable and HRC fuses, Expulsion and drop out fuses, Fusing factor, selection of fuse link and cut off characteristics
References	Switchgear & Protection by Sunil.S. Rao, Khanna Publications
Teaching Methodology	In class teaching using ppt, offline class using ppt/black board, uploading materials in google classroom
Assessment tools used	Internal assessment test 1, Module tests of each module
Course outcome	To understand the basic about substations and fuses.

Chapter	Introduction to Protective relaying:
Topics	Shunt & Series Faults, causes and effects of faults, Importance of protective relaying, Protective zones, primary & Back-up protection, Different types of backup protection, desirable qualities of protective relaying, PSM & TSM(Importance, Different types of Timecurrent characteristics and application), working principle of Electromagnetic Induction disc Relays, Thermal, bimetal relays, frequency relays, under/over voltage relays, DC relays, Different Principles of protection - Over current & earth fault (non-directional & directional types), differential protection (current and voltage type), distance protection (Working Principle and application of Impedance relay, Causes and remedies of overreach-under reach, Reactance and Mho relay, Power swing Blocking relay).
References	Switchgear & Protection by Sunil.S.Rao, Khanna Publications
Teaching Methodology	In class teaching using ppt, offline class using ppt/black board, uploading materials in google classroom
Assessment tools used	Internal assessment test 2, Module tests of each module
Course outcome	To understand the basis of protective relaying schemes.

Chapter	Protection schemes Provided for major Apparatus:
Topics	Generators - Stator side (Differential, Restricted Earth fault, protection for 100% winding, Negative phase sequence, Reverse power, turn-turn fault), Rotor side (Field suppression, field failure, Earth fault, turn to turn fault) Transformers-Differential protection for star delta Transformer, Harmonic restraint relay, REF protection, Protection provided for incipient faults (Gas actuated relay). Induction motors - Protection of motor against over load, short circuit, earth fault, single phasing, unbalance, locked rotor, phase reversal, under voltage, winding temperature, Protection co-ordination
References	Switchgear & Protection by Sunil.S.Rao, Khanna Publications
Teaching Methodology	In class teaching using ppt, offline class using ppt/black board, uploading materials in google classroom
Assessment tools used	Internal assessment test 2, Module tests of each module
Course outcome	To understand the basis of protection schemes for major apparatus.

Chapter	Protection of Transmission Lines:
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Mf



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Topics	Feeder protection - Time grading, current grading, combined time & current grading protection provided for Radial, Ring Main, Parallel, T- Feeder. Bus Zone Protection - Differential protection provided for different types of bus zones. LV, MV, HV Transmission Lines - Protection provided by over current, earth fault, Differential and Stepped distance protection. EHV & UHV Transmission lines - Type and nature of faults, Need for auto-reclosure schemes, Carrier aided distance protection (Directional comparison method), Power Line Carrier Current protection (Phase comparison method). Introduction to the concept of Islanding
References	Switchgear & Protection by Sunil.S.Rao, Khanna Publications
Teaching Methodology	In class teaching using ppt, offline class using ppt/black board, uploading materials in google classroom
Assessment tools used	Module tests of each module
Course outcome	To understand the protection schemes for transmission line.

Chapter	Introduction to Static & Numerical Relays:
Topics	Static Relays- Introduction, Definition, Advantages and Disadvantages, Application of Opamp, logic gates, DSP, in static/ digital Relays. Relays as comparators (Amplitude & phase), Numerical Relays- Introduction, Block diagram of numerical relay, Signal sampling, Anti-Aliasing Filter, Introduction to the concept of Phase Measurement Unit
References	Switchgear & Protection by Sunil.S.Rao, Khanna Publications
Teaching Methodology	In class teaching using ppt, offline class using ppt/black board, uploading materials in google classroom
Assessment tools used	Module tests of each module
Course outcome	To understand basis of static, numerical relay and pmu unit.

Text Books:

1. Switchgear & Protection by Sunil.S.Rao, Khanna Publications
2. Power system Protection & Switchgear by Badriram Vishwakarma, TMH
3. Power System Protection And Switchgear by Bhuvanesh A O, Nirmal CN, Rashesh PM, Vijay HM, Mc Graw Hill

Reference Books:

1. Fundamentals of protection by Paithanker & Bhide.S.R, P.H.I
2. Static Relays by Madhava Rao, TMH
3. A text book on Power System Engineering by Soni, Gupta, Bhatnagar & Chakraborthi, Dhanpat Rai & Co
4. Protective Relaying by Lewis Blackburn, Thomas.J.Domin
5. Power System Protection by P.M. Anderson, Wiley Interscience
6. Modern Power System Protection Divyesh Dza, TMH Publication

S.P. Pillai
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M.J.



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Department of Electrical Engineering

Website Reference / Video Courses:

1. NPTEL Course: Power System Protection By Prof. S.A. Soman, Dept. of Electrical Engineering, IIT Bombay -

Web link- <https://nptel.ac.in/courses/108/101/108101039/>

2. NPTEL Course: Power System Protection and Switchgear By Prof. Bhaveshkumar Bhalja, Dept. of Electrical

Engg, IIT Roorkee - Web link- <https://nptel.ac.in/courses/108/107/108107157/>

3. NPTEL Course: Power System Protection By Prof. Ashok Kumar Pradhan, Dept. of Electrical Engineering, IIT

Kharagpur - Web link- <https://nptel.ac.in/courses/108/105/108105167/>

Gaps Identified

prerequisite of this subject PSPS is power system-I & 2 basis and also industry visit for further protection scheme and instrument exploration

Action taken:

An industrial visit to tata power, Magathane receiving substation was conducted on 25th February 2023.

Topic beyond syllabus: Phase measurement unit and numerical relay in depth working and numerical calculations for which NPTEL reference video lecture and practicals were shared to the students.

Mr. Pratik D. Rahate

Subject in Charge

Ms Megha Fernandes


HOD, Electrical

Mrs. MEGHA JAMES FERNANDES has checked
2023-4-26 4:08:53 PM

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Institute Academic Calendar- Sample


ST. FRANCIS INSTITUTE OF TECHNOLOGY
 (Approved by AICTE 9001:2015 Certified, NBA accredited (EXTC&INFT)),
 (Permanently Affiliated to University of Mumbai)
Academic Calendar - Academic year 2022-2023 (June-Dec 2022) Term I
 SFIT/IQAC/AC/Term-I/2022-23/Rev0

Sr. No.	Activity	Date	Responsible Committee / Individual
1.	30-hour Value added Course on: "Machine Shop Practice"	13/06/2022-17/06/2022	Dept of Mech. Engg and SDC
2.	30 hours Value-added course on "Problem solving with C programming & Python"	13/06/2022-17/06/2022	Dept of Elec. Engg and SDC
3.	30-Hours Value Added Course on "Bridging the Educational Gap in Embedded Systems"	27/06/2022-01/07/2022	Dept of EXTC and SDC
4.	30 hours Value added Course on "Fusion of DevOps & Advanced DevOps Tools"	27/06/2022-01/07/2022	Dept of INFT and SDC
5.	STTP on "Product Design & Modelling"	24/06/2022 – 30/06/2022	Dept of Mech. Engg and SDC
6.	30-hours value-added Course: "Web Designing with React"	27/06/2022-01/07/2022	Dept of CMPN Engg & SDC
7.	FDP on " Machine Learning - Basics to Advanced "	01/07/2022-07/07/2022	In association with IEEE Bombay section, XIE Mahim and SJCEM
8.	A Webinar on "Overview of NEP 2020 Policy" by Dr. R.K. Shevgaonkar, Professor Emeritus, EE, I.I.T., Bombay	05/07/2022	IQAC
9.	Staff Meeting	08/07/2022	Principal
10.	Reopening for TE/BE classes	11/07/2022	Principal and HOD's
11.	Display of session plan for TE/BE	15/07/2022	HOD's
12.	NBA Visit for INFT Dept.	15/07/2022	INFT Dept
13.	Team building activity	16/07/2022	E-Cell
14.	Tree Plantation Drive at SFIT Campus	17/07/2022	NSS&SRC
15.	Faculty Induction Programme	18/07/2022 to 22/07/2022	FE Dept and IQAC
16.	Reopening for SE classes	25/07/2022	Principal and HOD's
17.	Display of session plan for SE	01/08/2022	HOD's

1 | Academic Calendar June-Dec 2022


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18.	Last day to file nomination for Student council election	22/07/2022	Dean Student Affairs (DSA)
19.	Last day to withdraw nomination for Student council election	27/07/2022	DSA
20.	Student Council Election	29/07/2022	DSA
21.	Interviews for Nominated Posts	30/07/2022	DSA
22.	Announcement of Result & Formation of Student Council	06/08/2022	DSA
23.	IQAC meet	30/07/2022	IQAC
24.	R&D Lecture series	30/07/2022	EXTC Dept.
25.	School Dropout Survey & Creating Awareness on NIOS (National Institute for Open Schooling) in Shivaji Nagar Community.	30/07/2022	NSS&SRC
26.	Malaria & Dengue prevention awareness in Shivaji Nagar Community.	06/08/2022	NSS&SRC
27.	NAAC peer team visit	17/08/2022 & 18/08/2022	NAAC coordinator
28.	R&D Lecture series	17/08/2022	Elec Dept
29.	Start-up Saturday	27/08/2022	E-Cell
30.	IAT 1 for TE/BE	20/08/2022 to 24/08/2022	Exam committee
31.	Display of IAT 1 results of TE/BE in ERP	30/08/2022	Faculty
32.	Feedback of faculty by students	24/08/2022	Class coordinators
33.	R&D Lecture series	20/08/2022	CMPN Dept
34.	Fire Safety Mock Drill	20/08/2022	NSS&SRC
35.	Visit to Vanaprastha aashram (Uttan - Bhayander) Home for the Elderly.	27/08/2022	NSS&SRC
36.	IAT 1 SE	05/09/2022 to 07/09/2022	Exam Committee
37.	Display of IAT 1 results of SE in ERP	16/09/2022	Faculty
38.	Teachers' Day celebration	05/09/2022	Student Council
39.	UNNATI 2022	09/09/2022 & 10/09/2022	E-Cell
40.	Visit to Anmol Children's Home	10/09/2022	NSS&SRC
41.	Self-Evaluation by faculty	10/09/2022	Faculty
42.	Blood Donation in college	23/09/2022	NSS&SRC
43.	TEDxSFIT 2022	9/10/2022	E-Cell
44.	Peace Rally & Bhajan Sandya	02/10/2022	NSS&SRC
45.	PTI meet	17/09/2022	Dean Acad and PTI coordinators
46.	Submission of PTI report and feedback analysis	20/09/2022	Dean Acad and PTI coordinators
47.	MOSAIC- Technical Fest	16/09/2022	DSA and Student Council
48.	R&D Lecture series	17/09/2022	INFT dept

Academic Calendar June-Dec 2022




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49.	Garba Night	1/10/2022	DSA
50.	IAT 2	14/10/2022 to 18/10/2022	Exam committee
51.	Display of IAT 2 results in ERP	27/10/2022	Faculty
52.	Road Safety Awareness	15/10/2022	NSS&SRC
53.	ISO Internal audits	September -October 2022	HODs/ISO auditors
54.	Submissions	19/10/2022 to 21/10/2022	HOD's
55.	CDC & GC meeting	05/11/2022	Principal
56.	Academic Advisory Committee Meetings	06/07/2022	Director/Princip al/Deans and HODs
		20/07/2022	
		03/08/2022	
		17/08/2022	
		07/09/2022	
		21/09/2022	
		12/10/2022	
02/11/2022			
57.	Rural Camp (7 Days)	17/12/2022 – 23/12/2022	NSS&SRC
58.	Department seminar for filling the gap in the syllabus	07/09/2022 (SE & TE) 9/09/2022(BE)	Dept. of INFT
59.		3/09/22 (SE and TE) 17/09/22 (BE)	Dept. of CMPN
60.		07/09/2022 (SE) 06/08/2022(TE&BE)	Dept. of EXTC
61.		07/09/2022 (SE,TE&BE)	Dept. of Mech.Egg.
62.		1/10/2022(SE, TE&BE)	Dept. of Elec Egg.
63.		IQAC Meet	05/11/2022
64.	Collection of Course survey from students	30/11/2022	Class coordinators
65.	Submission of course curriculum feedback by faculty	30/11/2022	Respective dept HOD's
66.	Submission of Appraisal form (API)	30/11/2022	Faculty
67.	Submission of External examiner feedback for Lab course, mini-projects and BE projects taken during oral examinations	30/11/2022	Respective faculty
68.	Submission of feedback analysis and action plan	24/12/2022	Respective dept HOD's

Tentative List of Holidays - Term II, A.Y. 2022-2023 (July-Dec 2022)

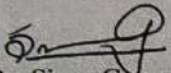
Sr. No	Holiday	Date	Day
1	Muharram	09/08/22	Tuesday
2	Independence Day	15/08/22	Monday
3	Parsi New Year	16/08/22	Tuesday

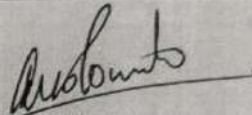
3 | Academic Calendar June-Dec 2022

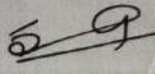

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list of experiment 2022-2023

	Ganesh Chaturthi	31/08/22	Wednesday
5	Midterm break	31/08/22 to 04/09/22	
6	St. Francis day	04/10/22	Tuesday
7	Dussehra	05/10/22	Wednesday
8	Laxmi Pooja	24/10/22	Monday
9	Diwali	25/10/22	Tuesday
10	Bhaubij	26/10/22	Wednesday
11	Guru Nanak Jayanti	08/11/22	Tuesday
12	Boxing day	26/12/22	Monday


Dr. Sincy George
Chairperson, IQAC


Dr. Kevin Noronha
Coordinator, IQAC


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Department Academic Calendar- Sample



St. Francis Institute of Technology
Mount Poinzur, S.V.P. Road, Borivli (West), Mumbai-400103

Department of Mechanical Engineering
Academic Calendar – Term II, A.Y.2022-23 (July-December 2022)

Sr. No.	Activity	Date/Day	Responsible Committee/Individual
1.	Commencement of TE/BE Classes	11/07/2022	HOD
2.	Display of Session plan	15/07/2022	HOD
3.	LIC Visit	22/07/2022	HOD
4.	Commencement of SE Classes	22/07/2022	HOD
5.	MESA Election	27/07/2022	Mr. Ravindra Garmode
6.	R&D lecture series by Mr. Bysani Malakondaiah	06/08/2022	Mr. Bysani Malakondaiah
7.	NAAC peer team visit	17/08/2022 to 18/08/2022	NAAC Coordinator
8.	IAT 1 for TE/BE	20/08/2022 to 23/08/2022	Exam Committee
9.	Feedback of Faculty by students	24/08/2022	Class Coordinators
10.	Mentorship Session for TE/BE	24/08/2022 to 25/08/2022	Mr. Magesh Nadar
11.	Department Advisory Board Meeting	27/08/2022 (Non-working Saturday)	HOD
12.	Display of IAT 1 results of TE/BE in ERP	30/08/2022	Faculty
13.	IAT 1 for SE	05/09/2022 to 07/09/2022	Exam Committee
14.	Department Webinar for addressing the gap in the syllabus	07/09/2022	Dept. of Mech. Engg
15.	Self-Evaluation by Faculty	10/09/2022	Faculty
16.	Mid Semester Evaluation of Mini Project-2A and Major Project-I	September 2 nd week	Mini Project-2A Coordinator Major Project-I Coordinator
17.	Mid Semester Evaluation of Mini Project-1A	September 3 rd week	Mini Project-1A Coordinator
18.	Expert Lecture on Environment related topic	14/09/2022	Dept. of Mech. Engg
19.	Display of IAT 1 results of SE in ERP	16/09/2022	Faculty
20.	Event by MESA	17/09/2022	Mr. Ravindra Garmode Mr. Yunus Dalal
21.	Parent teachers interaction (PTI) meet	17/09/2022	Dean Academics and PTI Coordinators


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1/3] Academic Calendar Jan-June 22

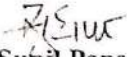
22.	Submission of PTI report and Feedback Analysis	20/09/2022	Dean Academics and PTI Coordinators
23.	Industrial Visit	24/09/2022	Faculty
24.	Event by MESA	01/10/2022	Mr. Ravindra Garmode Mr. Magesh Nadar
25.	End Semester Evaluation of Mini Project-2A and Major Project-I	October 2 nd week	Mini Project-2A Coordinator Major Project-I Coordinator
26.	End Semester Evaluation of Mini Project-1A	October 3 rd week	Mini Project-1A Coordinator
27.	Mentorship Session for SE/TE/BE	12/10/2022	Mr. Magesh Nadar
28.	IAT 2 for SE//TE/BE	14/10/2022 to 18/10/2022	Exam Committee
29.	Submissions	19/10/2022 to 21/10/2022	HOD
30.	Display of IAT 2 results of SE/TE/BE in ERP	27/10/2022	Faculty
31.	ISO Internal Audits	September-October, 2022	HOD/ISO Auditor
32.	SE MECH Mini Project Poster Competition	October 4 th week	Mr. Siddharth Saindane
33.	TE MECH Mini Project Poster Competition	October 4 th week	Mr. Yunus Dalal
34.	BE MECH Mini Project Poster Competition	October 4 th week	Mr. Magesh Nadar
35.	Collection of Course survey from students	30/11/2022	Class Coordinator
36.	Submission of Course Curriculum Feedback by Faculty	30/11/2022	HOD
37.	Submission of Appraisal Form (API)	30/11/2022	Faculty
38.	Submission of External Examiner Feedback for Lab course, mini-projects and BE projects taken during oral examinations	30/11/2022	Faculty
39.	Submission of Feedback analysis and action plan	24/12/2022	HOD
40.	30-hour Value added course	December 2 nd week	SDC & Dept. of Mech. Engg
41.	STTP	12/12/2022 17/12/2022	Dept. of Mech. Engg

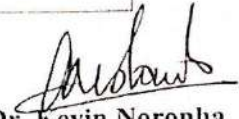
5th working day after individual papers will be last date for distribution of corrected answer sheets & display of result on the class notice board



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Tentative List of Holidays- Term I, A.Y. 2022-23 (July-Dec 2022)

Sr. No.	Holiday	Date	Day
1.	Muharram	09/08/2022	Tuesday
2.	Independence Day	15/08/2022	Monday
3.	Parsi New Year	16/08/2022	Tuesday
4.	Ganesh Chaturthi	31/08/2022	Wednesday
5.	Midterm Break	31/08/2022 to 04/09/2022	
6.	St. Francis Day	04/10/2022	Tuesday
7.	Dussehra	05/10/2022	Wednesday
8.	Laxmi Pooja	24/10/2022	Monday
9.	Diwali	25/10/2022	Tuesday
10.	Bhaubij	26/10/2022	Wednesday
11.	Guru Nanak Jayanti	08/11/2022	Tuesday
12.	Boxing Day	26/12/2022	Monday


Mr. Sunil Pansare
In-charge HOD
Dept. of Mech. Engg


Dr. Kevin Noronha
Dean Academics


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Mount Painsur, S. V. P. Road,
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Class Time Table-ISO Template



ST FRANCIS INSTITUTE OF TECHNOLOGY
 Mount Poincur, SVP Road, Borivali (W), MUMBAI - 400103.
 DEPARTMENT OF COMPUTER ENGINEERING

SFIT/CMPN/F-04REV0

Timing:
 Room no. :
 Class:

Academic Year :

Batches:

Date of Commencement of Term:

Roll no:
 Roll no:
 Roll no:

Regular Periods	Monday	Tuesday	Wednesday	Thursday	Friday
9 TO 10					
10:00 TO 10:15	TEA BREAK				
10:15 TO 11:15					
11:15 TO 12:15					
12:15 TO 1:00	LUNCH BREAK				
1:00 TO 2:00					
2:00 TO 3:00					
3:00 TO 4:00					
4:00 TO 5:00					

Abbreviation :
 Subjects :


L: LECTURE, P: PRACTICAL, T: TUTORIAL

Prepared by

Convener

HOD

Dean Academics


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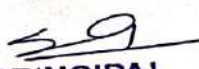
Lab Time Table-ISO Template

STITUTE OF TECHNOLOGY(Engineering College)					
Mount Poincur, S.V.P. Road, Borivli (West) Mumbai - 400 103					
SFIT/CMPN/F-06/REV0					
COMPUTER ENGINEERING DEPARTMENT Laboratory Time Table					
Academic Year ---->					
College Timings ---->					
Laboratory Name :				Room No. :	
Lab Incharge Name:					
Lab Assistant Name:				Department:	
Practical load allotted :					
Class & Branch	Subject	Number of Practicals		Total	
		Batches	Hours per batch		
		Total			
Periods	Monday	Tuesday	Wednesday	Thursday	Friday
9.00 To 10.00					
10.00 To 10.15	TEA BREAK				
10.15 To 11.15					
11.10 To 12.15					
12.15 To 1.00	LUNCH BREAK				
1.00 To 2.00					
2.00 To 3.00					
3.00 To 4.00					
4.00 To 5.00					

Convenor

HOD CMPN

Dean Academics


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Individual Time Table-ISO Template


ST. FRANCIS INSTITUTE OF TECHNOLOGY Mount Painsur, SVP Road, Borivali (W), MUMBAI - 400103.				
				SFIT/CMPN/F-05/REV0
Department of Computer Engineering Individual Teacher's Time Table (ITTT)				
Academic Year :-		Term:		
College Timings :-		Sem:		
Teacher's Name :		Designation :		
		Department :		
Class & Branch	Subject	Number of Periods		Total
		Theory	Practicals/ Tutorials	
	Total			

Periods	Monday	Tuesday	Wednesday	Thursday	Friday
9.00 TO 10.00					
10.00 to 10.15	TEA BREAK				
10.15 TO 11.15					
11.15 TO 12.15					
12.15 TO 1.00	LUNCH BREAK				
1.00 TO 2.00					
2.00 TO 3.00					
3.00 TO 4.00					
4.00 TO 5.00					

Convenor

HOD

Dean Academics


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 Mount Painsur, S. V. P. Road,
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Course Session Plan – ISO Template

ST. FRANCIS INSTITUTE OF TECHNOLOGY Mount Painsur, SVP Road, Borivali (W), MUMBAI - 400103.					
					SFIT/EXTC/F-13/REV2
Electronics and Telecommunication Engineering Department SESSION PLAN (SP)					
Class / Branch :			Semester :		
Semester Starting Date :			Academic Year :		
Subject :			Semester Ending Date :		
			Name of Faculty :		
Lecture No.	Lecture Date	Topic Planned	Text Book	Reference Reading	Assignments

Signature of H.O.D.
Date: _____

Signature of Teacher
Date: _____



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 St. Francis Institute
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 Mount Painsur, S. V. P. Road,
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Course Session Plan – Sample

ST. FRANCIS INSTITUTE OF TECHNOLOGY Mount Polnsur, SVP Road, Borivali (W), MUMBAI - 400103.					
Electronics & Telecommunication Department SESSION PLAN (SP)					
Class / Branch : BE B EXTC		Semester : VIII		SFII/EXTC/F-07/REV2	
Semester Starting Date : 09/01/2023.				Academic Year : 2022-23 Semester Ending Date : 15/04/2023.	
Subject : Network Management in Telecommunication.				Name of Faculty : B.D.Gokhale.	
Lecture No.	Topic Planned	Method / Pedagogy planned	Planned Date	Text Book	Reference Reading
				Chapter	
1	Introduction of Network Management Introducing Network Design Concepts: Case histories on network, system and service management.	Chalk & Blackboard, PPTs.	09-01-2023	Mani Subramaniam - Network Management : Principles and Practice. Part I Chapter 1.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
2	Network design based on economy and SLA-based services.	Chalk & Blackboard, PPTs.	10-01-2023		
3	Challenges of IT managers	Chalk & Blackboard, PPTs.	11-01-2023		
4	Network Management: Goals, organization and functions	Chalk & Blackboard, PPTs.	16-01-2023		
5	Network management architecture, organization network	Chalk & Blackboard, PPTs.	17-01-2023		
6	Network management perspectives	Chalk & Blackboard, PPTs.	18-01-2023		
7	OSI Network Management Network Management standards	Chalk & Blackboard, PPTs.	23-01-2023	Mani Subramaniam - Network Management : Principles and Practice. Part II Chapter 3.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
8	OSI Network Management model	Chalk & Blackboard, PPTs.	24-01-2023		
9	Network Management layers	Chalk & Blackboard, PPTs.	25-01-2023		
10	ISO Network Management functions	Chalk & Blackboard, PPTs.	30-01-2023		
11	Communication model and functional model	Chalk & Blackboard, PPTs.	31-01-2023		
12	Abstract Syntax Notation One (ASN.1): Terminology, symbols, and conventions. TLV encoding structure	Chalk & Blackboard, PPTs.	01-02-2023		

13	Internet Management SNMP model: SNMP Organizational model, System overview,	Chalk & Blackboard, PPTs.	06-02-2023	Mani Subramaniam - Network Management : Principles and Practice. Part II Chapters 3,4,5,6,7 & 8..	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
14	Information model, Management of Information Base	Chalk & Blackboard, PPTs.	07-02-2023		
15	SNMP v1: SNMP Communication model-SNMP architecture, Administrative model,	Chalk & Blackboard, PPTs.	08-02-2023		
16	SNMP Protocol specifications, SNMP operations, SNMP Functional model	Chalk & Blackboard, PPTs.	13-02-2023		
17	SNMPv2: Major changes in SNMPv2, SNMPv2 architecture, SNMPv2 Management Information Base,	Chalk & Blackboard, PPTs.	14-02-2023		
18	SNMPv2 protocol, Compatibility with SNMPv1	Chalk & Blackboard, PPTs.	15-02-2023		
19	SNMPv3: Key features, SNMPv3 architecture, SNMPv3 applications, Security, security model,	Chalk & Blackboard, PPTs.	27-02-2023		
20	Message format, SNMPv3 User-based Security Model, Access control (VACM)	Chalk & Blackboard, PPTs.	28-02-2023		
21	RMON: What is RMON?	Chalk & Blackboard, PPTs.	01-03-2023		
22	RMON 1, RMON 2	Chalk & Blackboard, PPTs.	06-03-2023		
23	TMN Definition of TMN , TMN framework, TMN functional model	Chalk & Blackboard, PPTs.	08-03-2023		
24	TMN Conceptual model, OSI functionality in TMN	Chalk & Blackboard, PPTs.	13-03-2023		
25	TMN management services architecture	Chalk & Blackboard, PPTs.	14-03-2023		
26	TMN implementation	Chalk & Blackboard, PPTs.	15-03-2023		
27	Network Management Tools and Applications System Utilities for Network Management: Basic tools, SNMP tools and Protocol analyser	Chalk & Blackboard, PPTs.	18-03-2023		
28	Network Statistics and Measurements: Traffic load, Protocol statistics, Data and Error statistics	Chalk & Blackboard, PPTs.	18-03-2023		

29	NMS Design: Functional requirements, NMS Client design	Chalk & Blackboard, PPTs.	18-03-2023	Mani Subramaniam - Network Management : Principles and Practice. Part II Chapter 9.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
30	NMS Server architecture, Distributed Management approaches	Chalk & Blackboard, PPTs.	20-03-2023		
31	Network Management Systems: Commercial and Open-source NMSs	Chalk & Blackboard, PPTs.	21-03-2023		
32	Network Management Applications: Fault, Configuration, Accounting, Performance and Security (FCAPS)	Chalk & Blackboard, PPTs.	27-03-2023		
33	Event Correlation Techniques: Rule-based reasoning, Model-based reasoning, Case-based reasoning.	Chalk & Blackboard, PPTs.	28-03-2023		
34	Codebook, State Transition Graph model and Finite State Machine model	Chalk & Blackboard, PPTs.	29-03-2023		
35	Report Management, Policy-based Management and Service Level Management	Chalk & Blackboard, PPTs.	03-04-2023		
36	Broadband Network Management Broadband networks and services, ATM Technology – VP, VC,	Chalk & Blackboard, PPTs.	11-04-2023	Mani Subramaniam - Network Management : Principles and Practice. Part IV Chapter 12.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
37	ATM Packet, Integrated service, ATM LAN emulation, Virtual LAN	Chalk & Blackboard, PPTs.	12-04-2023		
38	ATM Network Management – ATM network reference model, Integrated Local Management Interface, role of SNMP and ILMI in ATM	Chalk & Blackboard, PPTs.	12-04-2023		
39	ATM Management Information Base, M1, M2, M3, M4 interfaces.	Chalk & Blackboard, PPTs.	13-04-2023		

Principal Signature

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B. D. Gadgil
Faculty Signature

Course Session Execution Plan - ISO Template

ST. FRANCIS INSTITUTE OF TECHNOLOGY Mount Poincur, SVP Road, Borivali (W), MUMBAI - 400103.								
							SFTT/EXTC/F-08/REV2	
Electronics & Telecommunication Engineering Department (EXTC) Session Plan Execution Report (SPER)								
Semester:						Academic Year :		
Class / Branch :						Name of Faculty :		
Subject :								
Lecture No.	Planned Lecture Date & Time	Lecture Execution Date & Time	Topic Covered	Teaching Aid/ Tools	Pedagogy*	Percentage Attendance (Class BE A)	Percentage Attendance (Class BE B)	Remarks

* Lectures, Demonstrations, Discussion, Online Learning, Role Play, Small Group Teaching, Case Studies etc.

Review Report / Comments

Review/Feedback

Signature of H.O.D./ Coordinator

Faculty Signature

Signature of Principal




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Course Session Execution Plan - Sample

ST. FRANCIS INSTITUTE OF TECHNOLOGY Mount Painsur, SVP Road, Borivali (W), MUMBAI - 400103.						
Electronics & Telecommunication Department SESSION PLAN EXECUTION REPORT (SPER)						
SFTI/EXTC/F-07/REV2						
Class / Branch : BE B EXTC		Semester : VIII		Academic Year : 2022-23		
Semester Starting Date : 09/01/2023.					Semester Ending Date : 15/04/2023.	
Subject : Network Management in Telecommunication.				Name of Faculty : B.D.Gokhale.		
Lecture No.	Topic Planned	Method / Pedagogy planned	Planned Date	Execution Date	Text Book	Reference Reading
					Chapter	
1	Introduction of Network Management Introducing Network Design Concepts: Case histories on network, system and service management.	Chalk & Blackboard, PPTs.	09-01-2023	09-01-2023	Mani Subramaniam - Network Management : Principles and Practice. Part I Chapter 1.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
2	Network design based on economy and SLA-based services.	Chalk & Blackboard, PPTs.	10-01-2023	10-01-2023		
3	Challenges of IT managers	Chalk & Blackboard, PPTs.	11-01-2023	11-01-2023		
4	Network Management: Goals, organization and functions	Chalk & Blackboard, PPTs.	16-01-2023	16-01-2023		
5	Network management architecture, organization network	Chalk & Blackboard, PPTs.	17-01-2023	17-01-2023		
6	Network management perspectives	Chalk & Blackboard, PPTs.	18-01-2023	18-01-2023		
7	OSI Network Management Network Management standards	Chalk & Blackboard, PPTs.	23-01-2023	23-01-2023	Mani Subramaniam - Network Management : Principles and Practice. Part II Chapter 3.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
8	OSI Network Management model	Chalk & Blackboard, PPTs.	24-01-2023	24-01-2023		
9	Network Management layers	Chalk & Blackboard, PPTs.	25-01-2023	25-01-2023		
10	ISO Network Management functions	Chalk & Blackboard, PPTs.	30-01-2023	30-01-2023		
11	Communication model and functional model	Chalk & Blackboard, PPTs.	31-01-2023	31-01-2023		
12	Abstract Syntax Notation One (ASN.1): Terminology, symbols, and conventions. TLV encoding structure	Chalk & Blackboard, PPTs.	01-02-2023	01-02-2023		
13	Internet Management SNMP model: SNMP Organizational model, System overview.	Chalk & Blackboard, PPTs.	06-02-2023	06-02-2023		
14	Information model, Management of Information Base	Chalk & Blackboard, PPTs.	07-02-2023	07-02-2023		

15	SNMP v1: SNMP Communication model- SNMP architecture, Administrative model.	Chalk & Blackboard, PPTs.	08-02-2023	08-02-2023	Mani Subramaniam - Network Management : Principles and Practice. Part II Chapters 3,4,5,6,7 & 8.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
16	SNMP Protocol specifications, SNMP operations, SNMP Functional model	Chalk & Blackboard, PPTs.	13-02-2023	13-02-2023		
17	SNMPv2: Major changes in SNMPv2, SNMPv2 architecture, SNMPv2 Management Information Base.	Chalk & Blackboard, PPTs.	14-02-2023	14-02-2023		
18	SNMPv2 protocol, Compatibility with SNMPv1	Chalk & Blackboard, PPTs.	15-02-2023	15-02-2023		
19	SNMPv3-Key features, SNMPv3 architecture, SNMPv3 applications, Security, security model.	Chalk & Blackboard, PPTs.	27-02-2023	23-02-2023		
20	Message format, SNMPv3 User- based Security Model, Access control (VACM)	Chalk & Blackboard, PPTs.	28-02-2023	01-03-2023		
21	RMON: What is RMON?	Chalk & Blackboard, PPTs.	01-03-2023	06-03-2023		
22	RMON 1, RMON 2	Chalk & Blackboard, PPTs.	06-03-2023	08-03-2023	Network Management - Principles and Practice. Part II Chapter 10.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
23	TMN Definition of TMN , TMN framework, TMN functional model	Chalk & Blackboard, PPTs.	08-03-2023	13-03-2023		
24	TMN Conceptual model, OSI functionality in TMN	Chalk & Blackboard, PPTs.	13-03-2023	14-03-2023		
25	TMN management services architecture	Chalk & Blackboard, PPTs.	14-03-2023	14-03-2023		
26	TMN implementation	Chalk & Blackboard, PPTs.	15-03-2023	15-03-2023	Mani Subramaniam - Network Management : Principles and Practice. Part II Chapter 9.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
27	Network Management Tools and Applications System Utilities for Network Management: Basic tools, SNMP tools and Protocol analyser	Chalk & Blackboard, PPTs.	18-03-2023	15-03-2023		
28	Network Statistics and Measurements: Traffic load, Protocol statistics, Data and Error statistics	Chalk & Blackboard, PPTs.	18-03-2023	16-03-2023		
29	NMS Design: Functional requirements, NMS Client design	Chalk & Blackboard, PPTs.	18-03-2023	For these topics, lectures could not be conducted. But notes were given to students.		
30	NMS Server architecture, Distributed Management approaches	Chalk & Blackboard, PPTs.	20-03-2023			
31	Network Management Systems: Commercial and Open-source NMSs	Chalk & Blackboard, PPTs.	21-03-2023			
32	Network Management Applications: Fault, Configuration, Accounting, Performance and Security (FCAPS)	Chalk & Blackboard, PPTs.	27-03-2023			
33	Event Correlation Techniques: Rule-based reasoning, Model-based reasoning, Case-based reasoning.	Chalk & Blackboard, PPTs.	28-03-2023		03-04-2023	
34	Codebook, State Transition Graph model and Finite State Machine model	Chalk & Blackboard, PPTs.	29-03-2023	12-04-2023	Mani Subramaniam - Network Management : Principles and Practice. Part IV Chapter 12.	Salah Aidrous, Thomas Pleyak - Telecommunication Network Management - Technologies and Implementations.
35	Report Management, Policy-based Management and Service Level Management	Chalk & Blackboard, PPTs.	03-04-2023	15-04-2023		
36	Broadband Network Management Broadband networks and services, ATM Technology – VP, VC,	Chalk & Blackboard, PPTs.	11-04-2023	20-03-2023		
37	ATM Packet, Integrated service, ATM LAN emulation, Virtual LAN	Chalk & Blackboard, PPTs.	12-04-2023	21-03-2023		
38	ATM Network Management – ATM network reference model, Integrated Local Management Interface, role of SNMP and ILMI in ATM	Chalk & Blackboard, PPTs.	12-04-2023	27-03-2023		
39	ATM Management Information Base, M1, M2, M3, M4 interfaces.	Chalk & Blackboard, PPTs.	13-04-2023	29-03-2023		


Principal Signature

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Mount Poinzur, S. V. P. Road,
Borivli (West), Mumbai - 400 103



B. D. Gokhale
Faculty Signature

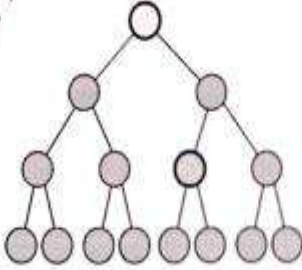
Internal Assessment Test Question Paper-Sample


	St. Francis Institute of Technology (Engg. College) Internal Assessment Test-I Academic Year: 2022-2023		
Branch: Electrical	Division: -	Year: BE	Semester: VII
Subject: Artificial Intelligence and Machine Learning [EEDO7023]		Time: 02.00 pm to 03.00 pm	
Date: 22 August 2022		No. of Pages: 2	
Marks: 20 Marks			

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

Note the following instructions.

1. All questions are compulsory.
2. Draw neat diagrams wherever necessary.
3. Write everything in ink (no pencil) only.
4. Assume data, if missing, with justification.

Q.1	Attempt any five.	Marks	CO	BL	PI
a.	<u>Define</u> artificial intelligence.	2M	CO1	1	1.4.1
b.	<u>Classify</u> artificial neural networks and explain the meaning of neural networks.	2M	CO2	2	1.4.1
c.	Biological neurons have a cell body, axons, dendrites and synapses. <u>Draw</u> a diagram and label these terms on it.	2M	CO2	3	1.4.1
d.	<u>Compare</u> uninformed and informed strategies on any 4 points.	2M	CO1	4	1.4.1
e.	<u>Evaluate</u> the branching factor, depth of shallowest goal node, and maximum depth of search tree for the Fig. Q1e.	2M	CO1	5	2.2.2
 <p style="text-align: center;">Fig. Q1e</p>					
f.	<u>Generate</u> the initial state, goal test, successor function, and path cost	2M	CO1	6	2.4.1


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Experiment List - Sample

St. Francis Institute of Technology
Department of Information Technology

Academic Year: 2022-23 Semester: VI
Class / Branch / Division: TE/IT/A&B
Subject: Data Mining and Business Intelligence/Business Intelligence Lab

LIST OF EXPERIMENTS

Sr. No	Title of Experiment	CO Addressed	PSOs Addressed	PO Addressed
1	Problem Definition for a Data Warehouse, and Construction of Star/ Snowflake Schema	C601.1	PSO1	PO1,PO2,
2	Data Exploration using Java / Python / R	C601.2	PSO1	PO1,PO2,PO3,PO4
3	Data preprocessing using WEKA	C601.3	PSO1	PO1,PO2,PO3,PO4
4	To implement any one of the classifiers (Decision tree/Naïve Bayes) using open source tool WEKA/ORANGE	C601.4 C601.5	PSO2, PSO3	PO2,PO3,PO4,PO6
5	a) To implement any one classifier (Decision tree/Naïve Bayes) using any one Language (JAVA/Python) b) To implement any one classifier (Random forest/SVM) using any one Language (JAVA/Python) (TBS)	C601.4 C601.5	PSO2, PSO3	PO2,PO3,PO4,
6	To implement any one clustering algorithm (K-means, Agglomerative, Divisive) using any one Language (JAVA/Python) (Mini Project Mid Sem Evaluation)	C601.4	PSO2, PSO3	PO2,PO3,PO4,PO6
7	To implement any one of the clustering algorithm (K-means, Agglomerative, Divisive) using open source tool WEKA/ORANGE	C601.4	PSO2, PSO3	PO2,PO3,PO4,PO6
8	To implement any one Association mining (Apriori, FPM) using open source tool WEKA/ORANGE	C601.4 C601.5	PSO2, PSO3	PO2,PO3,PO4
9	To implement Association Mining (Apriori, FPM) in data mining using any one Language (JAVA/Python)	C601.4 C601.5	PSO2, PSO3	PO2,PO3,PO4
10	Case study on open source BI tool (Pentaho, Rapid Miner, Tableau, Qlikview)	C601.6	PSO2, PSO4	PO3, PO4, PO5,PO8,PO9,PO12
11	Implementation of Business Intelligence tool with Mini Project(Mini project End sem evaluation)	C601.1 C601.6	PSO2, PSO4	PO3, PO4, PO5,PO8,PO9,PO12


Course Outcomes

C601.1	Demonstrate an understanding of the importance of data warehousing and data mining and the principles of business intelligence. (PO1,PO2)
C601.2	Organize and prepare the data needed for data mining using preprocessing Techniques and perform exploratory analysis of the data to be used for mining (PO1, PO2,PO4)
C601.3	Design and Implement various classification data mining techniques and apply metrics to measure its performance (PO3,PO4)
C601.4	Design and Implement various clustering data mining techniques on large data sets (PO2,PO3,PO4,PO6)
C601.5	Design and Implement various frequent data mining techniques and formulate association rules on large data sets
C601.6	Apply BI to solve practical problems: Analyze the problem domain, use the data collected in enterprise apply the appropriate data mining technique, interpret and visualize the results and provide decision support.(PO3, PO4, PO5)

Ms Shree Jaswal
Ms.Prajyoti Dsilva
(Subject Incharge)

Dr. Prachi Raut
(HOD-INFT)

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Progressive Term Work Marksheet-ISO Template

St. Francis Institute of Technology, Borivali West
 Department of Mechanical Engineering
Progressive Term Work Evaluation Record

SFIT/MECH/F-12/REV0


Term - II

Subject: Machine Design

Academic Year: 2022-23

Class - TE Mechanical

Roll No	Experiments						Objective Test						Seminar	Oral						Assignment Test					
	F1	F2	F3	F4	F5	F6	OT1	OT2	OT3	OT4	OT5	OT6		S1	O1	O2	O3	O4	O5	O6	AT1	AT2	AM		
301	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1		
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319	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1


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St. Francis Institute of Technology, Borivali West
Department of Mechanical Engineering
Progressive Term Work Evaluation Record

SFIT/MECH/F-12 RE-V0

Term - II

Subject: Machine Design

Academic Year: 2022-23

Class - TE Mechanical

Roll No	Experiments						Objective Test						Seminar						Oral						Assignment Test		
	E1	E2	E3	E4	E5	E6	OT1	OT2	OT3	OT4	OT5	OT6	S1	O1	O2	O3	O4	O5	O6	A1	A2	AM					
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St. Francis Institute of Technology, Borivali West
 Department of Mechanical Engineering
Progressive Term Work Evaluation Record

SFIT/MECH/F-12/REV 0

Term - II

Subject: Machine Design

Academic Year: 2022-23

Class - TE.Mechanical

Roll No	Experiments						Objective Test						Seminar	Oral						Assignment Test			
	E1	E2	E3	E4	E5	E6	OT1	OT2	OT3	OT4	OT5	OT6		S1	O1	O2	O3	O4	O5	O6	AT1	AT2	AM
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357	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	1

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 Department of Mechanical Engineering
Progressive Term Work Evaluation Record

SFIT/MECH/F-12/REV0
 Term - II
 Subject: Machine Design

Academic Year: 2022-23
 Class - TE Mechanical

Roll No	Experiments						Objective Test						Seminar	Oral						Assignment Test			
	E1	E2	E3	E4	E5	E6	OT1	OT2	OT3	OT4	OT5	OT6		S1	O1	O2	O3	O4	O5	O6	AT1	AT2	AM
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368	5	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	3



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 Borivli (West), Mumbai - 400 103


 Subject-in-charge

Course File Index


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 Mount Painsur, SVP Road, Borivali (W), MUMBAI - 400103.
 SFIT/CMPN/F-13/REV2
 Computer Engineering Department
 Course File

Class: Term: Sem:
 Subject: Academic Year:

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Sr. No.	Contents	Remarks
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	Portion for	
3	a. Internal Assessment Test - I	
	b. Internal Assessment Test - II	
	Plans and Reports	
4	a. Session Plan	
	b. Session Plan Execution Report	
	c. Laboratory / Tutorial Session Plan And Execution Report	
	d. Term Work Evaluation Procedure	
	Course Material	
5	a. Lesson Plan	
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7	a. Question Paper	
	b. Solution and Scheme of marking	
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	Progressive Termwork	
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	b. Analysis	
	Internal Assessment Test (IAT)	
2	a. IAT1 Analysis	
	b. IAT2 Analysis	
	University End Sem Examination	
3	a. Question Paper Analysis	
	b. Result Analysis	
4	Final Report by Faculty	

Signature of HOD / Coordinator
 Name:-


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