

1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

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1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

Sr. No	Activity Name
1	Syllabus Scheme R2019
2	Syllabus Scheme R2016
3	Syllabus Scheme R2012



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Syllabus Scheme R2019



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Syllabus Structure

Rev 2019

Computer Engineering



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Program Structure for Second Year Computer Engineering

UNIVERSITY OF MUMBAI (With Effect from 2020-2021)

Semester III

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total	
CSC301	Engineering Mathematics-III	3	--	1*	3	--	1	4	
CSC302	Discrete Structures and Graph Theory	3	--	--	3	--	--	3	
CSC303	Data Structure	3	--	--	3	--	--	3	
CSC304	Digital Logic & Computer Architecture	3	--	--	3	--	--	3	
CSC305	Computer Graphics	3	--	--	3	--	--	3	
CSL301	Data Structure Lab	--	2	--	--	1	--	1	
CSL302	Digital Logic & Computer Architecture Lab	--	2	--	--	1	--	1	
CSL303	Computer Graphics Lab	--	2	--	--	1	--	1	
CSL304	Skill base Lab course: Object Oriented Programming with Java	--	2+2*	--	--	2	--	2	
CSM301	Mini Project – 1 A	--	4 ^{\$}	--	--	2	--	2	
Total		15	14	1	15	07	1	23	
Course Code	Course Name	Examination Scheme							
		Theory				Term Work	Pract & oral	Total	
		Internal Assessment			End Sem. Exam	Exam. Duration (in Hrs)			
		Test 1	Test2	Avg					
CSC301	Engineering Mathematics-III	20	20	20	80	3	25	--	125
CSC302	Discrete Structures and Graph Theory	20	20	20	80	3	--	--	100
CSC303	Data Structure	20	20	20	80	3	--	--	100
CSC304	Digital Logic & Computer Architecture	20	20	20	80	3	--	--	100
CSC305	Computer Graphics	20	20	20	80	3	--	--	100
CSL301	Data Structure Lab	--	--	--	--	--	25	25	50
CSL302	Digital Logic & Computer Architecture Lab	--	--	--	--	--	25	--	25
CSL303	Computer Graphics Lab	--	--	--	--	--	25	25	50
CSL304	Skill base Lab course: Object Oriented Programming with Java	--	--	--	--	--	50	25	75
CSM301	Mini Project – 1 A	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	175	100	775

*Should be conducted batch wise and

\$ indicates workload of Learner (Not Faculty), Students can form groups with minimum 2 (Two) and not more than 4 (Four), Faculty Load: 1 hour per week per four groups

Program Structure for Second Year Computer Engineering
UNIVERSITY OF MUMBAI (With Effect from 2020-2021)
Semester IV

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total	
CSC401	Engineering Mathematics-IV	3	--	1*	3	--	1	4	
CSC402	Analysis of Algorithm	3	--	--	3	--	--	3	
CSC403	Database Management System	3	--	--	3	--	--	3	
CSC404	Operating System	3	--	--	3	--	--	3	
CSC405	Microprocessor	3	--	--	3	--	--	3	
CSL401	Analysis of Algorithm Lab	--	2	--	--	1	--	1	
CSL402	Database Management System Lab	--	2	--	--	1	--	1	
CSL403	Operating System Lab	--	2	--	--	1	--	1	
CSL404	Microprocessor Lab	--	2	--	--	1	--	1	
CSL405	Skill Base Lab Course: Python Programming	--	2*+2	--	--	2	--	2	
CSM401	Mini Project 1-B	--	4 ^{\$}	--	--	2	--	2	
Total		15	16	1	15	7	1	24	
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract & oral	Total
		Internal Assessment			End Sem. Exam.	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg.					
CSC401	Engineering Mathematics-IV	20	20	20	80	3	25	--	125
CSC402	Analysis of Algorithm	20	20	20	80	3	--	--	100
CSC403	Database Management System	20	20	20	80	3	--	--	100
CSC404	Operating System	20	20	20	80	3	--	--	100
CSC405	Microprocessor	20	20	20	80	3	--	--	100
CSL401	Analysis of Algorithm Lab	--	--	--	--	--	25	25	50
CSL402	Database Management System Lab	--	--	--	--	--	25	25	50
CSL403	Operating System Lab	--	--	--	--	--	25	25	50
CSL404	Microprocessor Lab	--	--	--	--	--	25	--	25
CSL405	Skill Base Lab Course: Python Programming	--	--	--	--	--	25	--	25
CSM401	Mini Project 1-B	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	175	100	775

*Should be conducted batchwise and

\$ indicates workload of Learner (Not Faculty), Students can form groups with minimum 2 (Two) and not more than 4 (Four), Faculty Load: 1 hour per week per four groups.

Program Structure for Third Year Computer Engineering
UNIVERSITY OF MUMBAI (With Effect from 2021-2022)

Semester V

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory	Pract.		Theory	Pract.	Total		
CSC501	Theoretical Computer Science	3	--		3	--	3		
CSC502	Software Engineering	3	--		3		3		
CSC503	Computer Network	3	--		3	--	3		
CSC504	Data Warehousing & Mining	3	--		3	--	3		
CSDLO501x	Department Level Optional Course- 1	3	--		3	--	3		
CSL501	Software Engineering Lab	--	2		--	1	1		
CSL502	Computer Network Lab	--	2		--	1	1		
CSL503	Data Warehousing & Mining Lab	--	2		--	1	1		
CSL504	Professional Comm. & Ethics II	--	2*+2		--	2	2		
CSM501	Mini Project: 2 A	--	4 ^{\$}		--	2	2		
Total		15	14		15	07	22		
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract &oral	Total
		Internal Assessment			End Sem Exam	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg					
CSC501	Theoretical Computer Science	20	20	20	80	3	25	--	125
CSC502	Software Engineering	20	20	20	80	3	--	--	100
CSC503	Computer Network	20	20	20	80	3	--	--	100
CSC504	Data Warehousing & Mining	20	20	20	80	3	--	--	100
CSDLO501x	Department Level Optional Course -1	20	20	20	80	3	--	--	100
CSL501	Software Engineering Lab	--	--	--	--	--	25	25	50
CSL502	Computer Network Lab	--	--	--	--	--	25	25	50
CSL503	Data Warehousing & Mining Lab	--	--	--	--	--	25	25	50
CSL504	Professional Comm. & Ethics II	--	--	--	--	--	50	--	50
CSM501	Mini Project : 2A	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	175	100	775

* Theory class to be conducted for full class and \$ indicates workload of Learner (Not Faculty), students can form groups with minimum 2(Two) and not more than 4(Four). Faculty Load: 1hour per week per four groups.

**Program Structure for Third Year Computer Engineering
UNIVERSITY OF MUMBAI (With Effect from 2021-2022)**

Semester VI

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory	Pract. Tut.		Theory	Pract.	Total		
CSC601	System Programming & Compiler Construction	3	--		3	--	3		
CSC602	Cryptography & System Security	3	--		3		3		
CSC603	Mobile Computing	3	--		3	--	3		
CSC604	Artificial Intelligence	3	--		3	--	3		
CSDLO601x	Department Level Optional Course -2	3	--		3	--	3		
CSL601	System Programming & Compiler Construction Lab	--	2		--	1	1		
CSL602	Cryptography & System Security Lab	--	2		--	1	1		
CSL603	Mobile Computing Lab	--	2		--	1	1		
CSL604	Artificial Intelligence Lab	--	2		--	1	1		
CSL605	Skill base Lab Course: Cloud Computing	--	4		--	2	2		
CSM601	Mini Project Lab: 2B	--	4 ^s		--	2	2		
Total		15	16		15	08	23		
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract. &oral	Total
		Internal Assessment			End Sem Exam	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg					
CSC601	System Programming & Compiler Construction	20	20	20	80	3	--	--	100
CSC602	Cryptography & System Security	20	20	20	80	3	--	--	100
CSC603	Mobile Computing	20	20	20	80	3	--	--	100
CSC604	Artificial Intelligence	20	20	20	80	3	--	--	100
CSDLO601x	Department Level Optional Course -2	20	20	20	80	3	--	--	100
CSL601	System Programming & Compiler Construction Lab	--	--	--	--	--	25	25	50
CSL602	Cryptography & System Security Lab	--	--	--	--	--	25	--	25
CSL603	Mobile Computing Lab	--	--	--	--	--	25	-	25
CSL604	Artificial Intelligence Lab						25	25	50
CSL605	Skill base Lab Course: Cloud Computing	--	--	--	--	--	50	25	75
CSM601	Mini Project :2B	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	175	100	775

Program Structure for Computer Engineering
UNIVERSITY OF MUMBAI (With Effect from 2021-2022)

Department Optional Courses

Department Level Optional Courses	Semester	Code & Course
Department Level Optional Course -1	V	CSDLO5011: Probabilistic Graphical Models CSDLO5012: Internet Programming CSDLO5013: Advance Database Management System
Department Level Optional Course -2	VI	CSDLO6011: Internet of Things CSDLO6012: Digital Signal & Image Processing CSDLO6013: Quantitative Analysis



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Syllabus Structure

Rev 2019

Information Technology



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**Program Structure for Second Year
Engineering Semester III & IV
UNIVERSITY OF MUMBAI
(With Effect from 2020-2021)**



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Semester III

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total	
ITC301	Engineering Mathematics-III	3	--	1	3	--	1	4	
ITC302	Data Structure and Analysis	3		--	3		--	3	
ITC303	Database Management System	3	--	--	3	--	--	3	
ITC304	Principle of Communication	3	--	--	3	--	--	3	
ITC305	Paradigms and Computer Programming Fundamentals	3	--	--	3	--	--	3	
ITL301	Data Structure Lab	--	2	--	--	1	--	1	
ITL302	SQL Lab	--	2	--	--	1	--	1	
ITL303	Computer programming Paradigms Lab	--	2	--	--	1	--	1	
ITL304	Java Lab (SBL)	--	4	--	--	2	--	2	
ITM301	Mini Project – 1 A Front end /backend Application using JAVA	--	4 ^{\$}	--	--	2	--	2	
Total		15	14	1	15	07	1	23	
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract/oral	Total
		Internal Assessment			End Sem. Exam	Exam. Duration (in Hrs)			
		Test 1	Test2	Avg.					
ITC301	Engineering Mathematics-III	20	20	20	80	3	25	--	125
ITC302	Data Structure and Analysis	20	20	20	80	3	--	--	100
ITC303	Database Management System	20	20	20	80	3	--	--	100
ITC304	Principle of Communication	20	20	20	80	3	--	--	100
ITC305	Paradigms and Computer Programming Fundamentals	20	20	20	80	3	--	--	100
ITL301	Data Structure Lab	--	--	--	--	--	25	25	50
ITL302	SQL Lab	--	--	--	--	--	25	25	50
ITL303	Computer programming Paradigms Lab	--	--	--	--	--	25	25	50
ITL304	Java Lab (SBL)	--	--	--	--	--	25	25	50
ITM301	Mini Project – 1 A Front end /backend Application using JAVA	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	150	125	775

\$ indicates work load of Learner (Not Faculty), for Mini Project.

Program Structure for Second Year Engineering
Semester III & IV
UNIVERSITY OF MUMBAI
(With Effect from 2020-2021)


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Semester IV

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total	
ITC401	Engineering Mathematics-IV	3	--	1	3	--	1	4	
ITC402	Computer Network and Network Design	3	--	--	3	--	--	3	
ITC403	Operating System	3	--	--	3	--	--	3	
ITC404	Automata Theory	3	--	--	3	--	--	3	
ITC405	Computer Organization and Architecture	3	--	--	3	--	--	3	
ITL401	Network Lab	--	2	--	--	1	--	1	
ITL402	Unix Lab	--	2	--	--	1	--	1	
ITL403	Microprocessor Lab	--	2	--	--	1	--	1	
ITL404	Python Lab (SBL)	--	4	--	--	2	--	2	
ITM401	Mini Project – 1 B Python based automation projects	--	4 ^s	--	--	2	--	2	
Total		15	14	1	15	7	1	23	
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract/oral	Total
		Internal Assessment			End Sem. Exam.	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg.					
ITC401	Engineering Mathematics-IV	20	20	20	80	3	25	--	125
ITC402	Computer Network and Network Design	20	20	20	80	3	--	--	100
ITC403	Operating System	20	20	20	80	3	--	--	100
ITC404	Automata Theory	20	20	20	80	3	--	--	100
ITC405	Computer Organization and Architecture	20	20	20	80	3	--	--	100
ITL401	Network Lab	--	--	--	--	--	25	25	50
ITL402	Unix Lab	--	--	--	--	--	25	25	50
ITL403	Microprocessor Lab	--	--	--	--	--	25	25	50
ITL404	Python Lab (SBL)	--	--	--	--	--	25	25	50
ITM401	Mini Project – 1 B Python based automation projects	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	150	75	775

\$ indicates work load of Learner (Not Faculty), for Mini Project.

Program Structure for Third Year Engineering
Semester V & VI
UNIVERSITY OF MUMBAI
(With Effect from 2021-2022)



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Semester V

Course Code	Course Name	Teaching Scheme (Contact Hours)				Credits Assigned			
		Theory		Pract.	Theory	Pract.	Total		
ITC501	Internet Programming	3		--	3	--	3		
ITC502	Computer Network Security	3		--	3		3		
ITC503	Entrepreneurship and E- business	3		--	3	--	3		
ITC504	Software Engineering	3		--	3	--	3		
ITDO501X	Department Optional Course – 1	3		--	3	--	3		
ITL501	IP Lab	-		2	--	1	1		
ITL502	Security Lab	-		2	--	1	1		
ITL503	DevOPs Lab	-		2	--	1	1		
ITL504	Advance DevOPs Lab	-		2	--	1	1		
ITL505	Business Communication and Ethics	-		2*+2	--	2	2		
ITM501	Mini Project – 2 A Web Based Business Model	-		4 ^{\$}	--	2	2		
Total		15		16	15	08	23		
Course Code	Course Name	Examination Scheme							
		Theor y					Term Work	Prac /oral	Total
		Internal Assessment			End Sem Exam	Exam. Duration (in Hrs)			
		Test1	Test2	Avg					
ITC501	Internet Programming	20	20	20	80	3	--	--	100
ITC502	Computer Network Security	20	20	20	80	3	--	--	100
ITC503	Entrepreneurship and E- business	20	20	20	80	3	--	--	100
ITC504	Software Engineering	20	20	20	80	3	--	--	100
ITDO501X	Department Optional Course – 1	20	20	20	80	3	--	--	100
ITL501	IP Lab	--	--	--	--	--	25	25	50
ITL502	Security Lab	--	--	--	--	--	25	25	50
ITL503	DevOPs Lab	--	--	--	--	--	25	25	50
ITL504	Advance DevOPs Lab	--	--	--	--	--	25	25	50
ITL505	Business Communication and Ethics	--	--	--	--	--	50	--	50

ITM501	Mini Project – 2 A Web Based Business Model	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	175	125	800

* Theory class to be conducted for full class

\$ indicates work load of Learner (Not Faculty), for Mini Project

ITDO501X	Department Optional Course – 1
ITDO5011	Microcontroller Embedded Programming
ITDO5012	Advance Data Management Technologies
ITDO5013	Computer Graphics & Multimedia System
ITDO5014	Advanced Data structure and Analysis



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Program Structure for Third Year Engineering
Semester V & VI
UNIVERSITY OF MUMBAI
(With Effect from 2021-2022)



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Semester VI

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory		Pract. Tut.	Theory	Pract.	Total		
ITC601	Data Mining & Business Intelligence	3		--	3	--	3		
ITC602	Web X.0	3		--	3		3		
ITC603	Wireless Technology	3		--	3	--	3		
ITC604	AI and DS – 1	3		--	3	--	3		
ITDO601 X	Department Optional Course – 2	3		--	3	--	3		
ITL601	BI Lab	--		2	--	1	1		
ITL602	Web Lab	--		2	--	1	1		
ITL603	Sensor Lab	--		2	--	1	1		
ITL604	MAD & PWA Lab	--		2	--	1	1		
ITL605	DS using Python Skill based Lab	--		2	--	1	1		
ITM601	Mini Project – 2 B Based on ML	--		4 ^s	--	2	2		
Total		15		14	15	07	22		
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Prac /oral	Total
		Internal Assessment			End Sem Exam	Exam. Duration (in Hrs)			
		Test1	Test2	Avg					
ITC601	Data Mining & Business Intelligence	20	20	20	80	3	--	--	100
ITC602	Web X.0	20	20	20	80	3	--	--	100
ITC603	Wireless Technology	20	20	20	80	3	--	--	100
ITC604	AI and DS – 1	20	20	20	80	3	--	--	100
ITDO601 X	Department Optional Course – 2	20	20	20	80	3	--	--	100
ITL601	BI Lab	--	--	--	--	--	25	25	50
ITL602	Web Lab	--	--	--	--	--	25	25	50
ITL603	Sensor Lab	--	--	--	--	--	25	25	50
ITL604	MAD & PWA Lab	--	--	--	--	--	25	25	50
ITL605	DS using Python Lab (SBL)	--	--	--	--	--	25	25	50

ITM601	Mini Project – 2 B Based on ML	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	150	150	800

\$ indicates work load of Learner (Not Faculty), for Mini Project

ITDO601X	Department Optional Course – 2
ITDO6011	Software Architecture
ITDO6012	Image Processing
ITDO6013	Green IT
ITDO6014	Ethical Hacking and Forensic



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**Program Structure for Fourth Year Engineering
Semester VII & VIII**

UNIVERSITY OF MUMBAI

(With Effect from 2022-2023)

Semester VII



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Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory		Pract. Tut.	Theory		Pract.	Total	
ITC701	AI and DS –II	3		--	3		--	3	
ITC702	Internet of Everything	3		--	3			3	
ITDO701 X	Department Optional Course – 3	3		--	3		--	3	
ITDO702 X	Department Optional Course –4	3		--	3		--	3	
ITIO701X	Institute Optional Course – 1	3		--	3		--	3	
ITL701	Data Science Lab	--		2	--		1	1	
ITL702	IOE Lab	--		2	--		1	1	
ITL703	Secure Application Development	--		2	--		1	1	
ITL704	Recent Open Source Project Lab	--		2	--		1	1	
ITP701	Major Project I	--		6 [#]	--		3	3	
Total		15		14	15		7	22	
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Prac/o ral	Total
		Internal Assessment			End Sem Exam	Exam. Duration (in Hrs)			
		Test1	Test2	Avg					
ITC701	AI and DS –II	20	20	20	80	3	--	--	100
ITC702	Internet of Everything	20	20	20	80	3	--	--	100
ITDO701 X	Department Optional Course –3	20	20	20	80	3	--	--	100
ITDO702 X	Department Optional Course –4	20	20	20	80	3	--	--	100
ITIO701X	Institute Optional Course – 1	20	20	20	80	3	--	--	100
ITL701	Data Science Lab	--	--	--	--	--	25	25	50
ITL702	IOE Lab	--	--	--	--	--	25	25	50
ITL703	Secure Application Development	--	--	--	--	--	25	25	50
ITL704	Recent Open Source Project Lab	--	--	--	--	--	25	25	50
ITP701	Major Project I	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	125	125	750

indicates work load of Learner (Not Faculty), for Major Project

ITDO701X	Department Optional Course –3
ITDO7011	Storage Area Network
ITDO7012	High Performance computing
ITDO7013	Infrastructure Security
ITDO7014	Software Testing and QA

ITDO702X	Department Optional Course –4
ITDO7021	MANET
ITDO7022	AR – VR
ITDO7023	Quantum Computing
ITDO7024	Information Retrieval System

ITIO701X	Institute Optional Course – 1 (Common for all branches will be notified)
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Program Structure for Fourth Year Engineering
Semester VII & VIII
UNIVERSITY OF MUMBAI
(With Effect from 2022-2023)



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Semester VIII

Course Code	Course Name	Teaching Scheme (Contact Hours)				Credits Assigned			
		Theory		Pract. Tut.	Theory	Pract.	Total		
ITC801	Blockchain and DLT	3		--	3	--	3		
ITDO801 X	Department Optional Course – 5	3		--	3	--	3		
ITDO802 X	Department Optional Course – 6	3		--	3	--	3		
ITIO801X	Institute Optional Course – 2	3		--	3	--	3		
ITL801	Blockchain Lab	--		2	--	1	1		
ITL802	Cloud computing	--		2	--	1	1		
ITP801	Major Project II	--		12 [#]	--	6	6		
Total		12		16	12	8	20		
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Prac /oral	Total
		Internal Assessment			End Sem Exam	Exam. Duration (in Hrs)			
		Test1	Test2	Avg					
ITC801	Blockchain and DLT	20	20	20	80	3	--	--	100
ITDO801 X	Department Optional Course – 5	20	20	20	80	3	--	--	100
ITDO802 X	Department Optional Course – 6	20	20	20	80	3	--	--	100
ITIO801X	Institute Optional Course – 2	20	20	20	80	3	--	--	100
ITL801	Blockchain Lab	--	--	--	--	--	25	25	50
ITL802	Cloud computing	--	--	--	--	--	25	25	50
ITP801	Major Project II	--	--	--	--	--	100	50	150
Total		--	--	80	320	--	150	100	650

indicates work load of Learner (Not Faculty), for Major Project

Students group and load of faculty per week.

Mini Project 1 and 2 :

Students can form groups with minimum 2 (Two) and not more than 4 (Four)

Faculty Load : 1 hour per week per four groups

Major Project 1 and 2 :

Students can form groups with minimum 2 (Two) and not more than 4 (Four)

Faculty Load : In Semester VII – ½ hour per week per project group

In Semester VIII – 1 hour per week per project group

ITDO801X	Department Optional Course – 5
ITDO8011	Big Data Analytics
ITDO8012	Reinforcement learning
ITDO8013	Simulation and Modeling
ITDO8014	Knowledge management

ITDO802X	Department Optional Course –6
ITDO8021	User Interface Design
ITDO8022	Robotics
ITDO8023	ERP
ITDO8024	Cloud computing and Services

ITIO801X	Institute Optional Course – 2 (Common for all branches will be notified)
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Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



UNIVERSITY OF MUMBAI



Bachelor of Engineering

in

Information Technology Engineering

Second Year with Effect from AY 2020-21

Third Year with Effect from AY 2021-22

Final Year with Effect from AY 2022-23

(REV- 2019 'C' Scheme) from Academic Year 2019 – 20

Under

FACULTY OF SCIENCE & TECHNOLOGY

(As per AICTE guidelines with effect from the academic year
2019–2020)

Dr. G. T. Thampi
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Syllabus Structure

Rev 2019

Electronics and Telecommunication



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**Program Structure for Second Year Engineering
Semester III & IV**

UNIVERSITY OF MUMBAI

(With Effect from 2020-2021)

Semester III



**Dr. G. T. Thampi
PRINCIPAL**

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
ECC301	Engineering Mathematics-III	3	--	1*	3	--	1	4
ECC302	Electronic Devices & Circuits	3	--	--	3	--	--	3
ECC303	Digital System Design	3	--	--	3	--	--	3
ECC304	Network Theory	3	--	1	3	--	1	4
ECC305	Electronic Instrumentation & Control Systems	3	--	--	3	--	--	3
ECL301	Electronic Devices & Circuits Lab	--	2	--	--	1	--	1
ECL302	Digital System Design Lab	--	2	--	--	1	--	1
ECL303	Electronic Instrumentation & Control Systems Lab	--	2	--	--	1	--	1
ECL304	Skill Lab: C++ and Java Programming	--	4	--	--	2	--	2
ECM301	Mini Project 1A	--	4 ^{\$}	--	--	2	--	2
Total		15	14	2	15	07	2	24

* Should be conducted batch wise.

\$ Indicates work load of a learner (Not Faculty) for Mini Project 1A. Faculty Load: 1 hour per week per four groups.

Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract. & oral	Total
		Internal Assessment			End Sem. Exam	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg.					
ECC301	Engineering Mathematics-III	20	20	20	80	3	25	--	125
ECC302	Electronic Devices & Circuits	20	20	20	80	3	--	--	100
ECC303	Digital System Design	20	20	20	80	3	--	--	100
ECC304	Network Theory	20	20	20	80	3	25	--	125
ECC305	Electronic Instrumentation & Control Systems	20	20	20	80	3	--	--	100
ECL301	Electronic Devices & Circuits Lab	--	--	--	--	--	25	25	50
ECL302	Digital System Design Lab	--	--	--	--	--	25	--	25
ECL303	Electronic Instrumentation & Control Systems Lab	--	--	--	--	--	25	--	25
ECL304	Skill Lab: C++ and Java Programming	--	--	--	--	--	25	25	50
ECM301	Mini Project 1A	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	175	75	750

Semester IV

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
ECC401	Engineering Mathematics-IV	3	--	1*	3	--	1	4
ECC402	Microcontrollers	3	--	--	3	--	--	3
ECC403	Linear Integrated Circuits	3	--	--	3	--	--	3
ECC404	Signals & Systems	3	--	1	3	--	1	4
ECC405	Principles of Communication Engineering	3	--	--	3	--	--	3
ECL401	Microcontrollers Lab	--	2	--	--	1	--	1
ECL402	Linear Integrated Circuits Lab	--	2	--	--	1	--	1
ECL403	Principles of Communication Engineering Lab	--	2	--	--	1	--	1
ECL404	Skill Lab: Python Programming	--	4	--	--	2	--	2
ECM401	Mini Project 1B	--	4 ^{\$}	--	--	2	--	2
Total		15	14	2	15	7	2	24

* Should be conducted batch wise.

\$ Indicates work load of a learner (Not Faculty) for Mini Project 1B. Faculty Load: 1 hour per week per four groups.

Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract. & oral	Total
		Internal Assessment			End Sem. Exam.	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg.					
ECC401	Engineering Mathematics-IV	20	20	20	80	3	25	--	125
ECC402	Microcontrollers	20	20	20	80	3	--	--	100
ECC403	Linear Integrated Circuits	20	20	20	80	3	--	--	100
ECC404	Signals & Systems	20	20	20	80	3	25	--	125
ECC405	Principles of Communication Engineering	20	20	20	80	3	--	--	100
ECL401	Microcontrollers Lab	--	--	--	--	--	25	--	25
ECL402	Linear Integrated Circuits Lab	--	--	--	--	--	25	25	50
ECL403	Principles of Communication Engineering Lab	--	--	--	--	--	25	25	50
ECL404	Skill Lab: Python Programming	--	--	--	--	--	25	25	50
ECM401	Mini Project 1B	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	175	100	775



Syllabus Structure

Rev 2019

Chemical Engineering



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University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2020-2021)
Semester III

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC301	Engineering Mathematics-III	3	-	1	3	-	1	4
CHC302	Industrial and Engineering Chemistry I	3	-	-	3	-	-	3
CHC303	Fluid Flow Operations	3	-	-	3	-	-	3
CHC304	Chemical Engineering Thermodynamics I	3	-	-	3	-	-	3
CHC305	Process Calculations	3	-	-	3	-	-	3
CHL301	Industrial and Engineering Chemistry I Lab	-	3	-	-	1.5	-	1.5
CHL302	Fluid Flow Operation Lab	-	3	-	-	1.5	-	1.5
CHL303	Basic Chemical Engineering Lab	-	3	-	-	1.5	-	1.5
CHL304	Skilled Based Lab: Chemical Technology Lab	-	2*2	-	-	2	-	2
CHM301	Mini Project 1A	-	3#	-	-	1.5	-	1.5
	Total	15	16	1	15	8	1	24

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC301	Engineering Mathematics-III	20	20	20	80	3	25	-	-	125
CHC302	Industrial and Engineering Chemistry I	20	20	20	80	3	-	-	-	100
CHC303	Fluid Flow Operations	20	20	20	80	3	-	-	-	100
CHC304	Chemical Engineering Thermodynamics I	20	20	20	80	3	-	-	-	100
CHC305	Process Calculations	20	20	20	80	3	-	-	-	100
CHL301	Industrial and Engineering Chemistry I Lab	-	-	-	-	3	25	25	-	50
CHL302	Fluid Flow Operation Lab	-	-	-	-	3	25	25	-	50
CHL303	Basic Chemical Engineering Lab	-	-	-	-	-	25	-	25	50
CHL304	Skilled Based Lab: Chemical Technology Lab	-	-	-	-	-	25	-	25	50
CHM301	Mini Project 1A	-	-	-	-	-	25	-	25	50
	Total	-	-	100	400	-	150	50	75	775

*Indicates Theory class to be conducted for full class;

indicates work load of Learner (Not Faculty), for Mini Project;

For mini project faculty load: 1 hour per week per four groups

University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2020-2021)
Semester IV

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC401	Engineering Mathematics-IV	3	-	1	3	-	1	4
CHC402	Industrial and Engineering Chemistry II	3	-		3	-	-	3
CHC403	Numerical Method in Chemical Engineering	3	-	-	3	-	-	3
CHC404	Solid Fluid Mechanical Operations	3	-	-	3	-	-	3
CHC405	Chemical Engineering Thermodynamics II	3	-	-	3	-	-	3
CHL401	Industrial and Engineering Chemistry II Lab	-	3	-	-	1.5	-	1.5
CHL402	Numerical Method in Chemical Engineering Lab	-	3	-	-	1.5	-	1.5
CHL403	Solid Fluid Mechanical Operation Lab	-	3	-	-	1.5	-	1.5
CHL404	Skilled based lab: Design Calculation of Auxiliary Plant Equipment	-	3	-	-	1.5	-	1.5
CHM401	Mini Project 1B	-	2#	--	-	1		1
	Total	15	14	1	15	7	1	23

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC401	Engineering Mathematics-IV	20	20	20	80	3	25	-	-	125
CHC402	Industrial and Engineering Chemistry II	20	20	20	80	3	-	-	-	100
CHC403	Numerical Method in Chemical Engineering	20	20	20	80	3	-	-	-	100
CHC404	Solid Fluid Mechanical Operations	20	20	20	80	3	-	-	-	100
CHC405	Chemical Engineering Thermodynamics II	20	20	20	80	3	-	-	-	100
CHL401	Industrial and Engineering Chemistry II Lab	-	-	-	-	3	25	25	-	50
CHL402	Numerical Method in Chemical Engineering Lab	-	-	-	-	-	25	-	25	50
CHL403	Solid Fluid Mechanical Operation Lab	-	-	-	-	3	25	25	-	50
CHL404	Skilled based lab: Design Calculation of Auxiliary Plant Equipment	-	-	-	-	-	25	-	25	50
CHM401	Mini Project 1B	-	-	-	-	-	25	-	25	50
	Total	-	-	100	400	-	150	50	75	775

indicates work load of Learner (Not Faculty), for Mini Project;

For mini project faculty load : 1 hour per week per four groups

University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2021-2022)
Semester V

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC501	Mass transfer Operations-I	3	-	-	3	-	-	3
CHC502	Heat transfer Operations	3	-	-	3	-	-	3
CHC503	Chemical Reaction Engineering-I	3	-	-	3	-	-	3
CHC504	Transport Phenomena	3	-	-	3	-	-	3
CHDO501X	Department Optional Course 1	3	-	-	3	-	-	3
CHL501	Mass transfer Operations-I Lab	-	3	-	-	1.5	-	1.5
CHL502	Heat transfer Operations Lab	-	3	-	-	1.5	-	1.5
CHL503	Chemical Reaction Engineering-I Lab	-	3	-	-	1.5	-	1.5
CHL504	Skilled Based Lab: Business Communication and Ethics Lab	-	2*2	-	-	2	-	2
CHM501	Mini Project-2A	-	3#	-	-	1.5	-	1.5
	Total	15	14	-	15	8	-	23

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC501	Mass transfer Operations-I	20	20	20	80	3	-	-	-	100
CHC502	Heat transfer Operations	20	20	20	80	3	-	-	-	100
CHC503	Chemical Reaction Engineering-I	20	20	20	80	3	-	-	-	100
CHC504	Transport Phenomena	20	20	20	80	3	-	-	-	100
CHDO501X	Department Optional Course 1	20	20	20	80	3	-	-	-	100
CHL501	Mass transfer Operations-I Lab	-	-	-	-	3	25	25	-	50
CHL502	Heat transfer Operations Lab	-	-	-	-	3	25	25	-	50
CHL503	Chemical Reaction Engineering-I Lab	-	-	-	-	3	25	25	-	50
CHL504	Skilled Based Lab: Business Communication and Ethics Lab	-	-	-	-	-	25	-	25	50
CHM501	Mini Project-2A	-	-	-	-	-	25	-	25	50
	Total			100	400	-	125	75	50	750

Department Optional Course 1 (Semester V)

Engineering Stream (Elective Code)	Technology Stream (Elective Code)	Management Stream
Food Engineering(CHDO5011)	Advanced Material Sciences (CHDO5012)	Total Quality Management (CHDO5013)

*Indicates Theory class to be conducted for full class;

indicates work load of Learner (Not Faculty), for Mini Project;

For mini project faculty load: 1 hour per week per four groups

University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2021-2022)
Semester VI

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC601	Mass Transfer Operation II	3	-	-	3	-	-	3
CHC602	Chemical Reaction Engineering II	3	-	-	3	-	-	3
CHC603	Pollution Control Technology	3	-	-	3	-	-	3
CHC604	Process Engineering and Economics	3	-	1	3	-	1	4
CHDO602X	Departmental Optional Course 2	3	-	-	3	-	-	3
CHL601	Mass Transfer Operation II Lab	-	3	-	-	1.5	-	1.5
CHL602	Chemical Reaction Engineering II Lab	-	3	-	-	1.5	-	1.5
CHL603	Pollution Control Technology Lab	-	3	-	-	1.5	-	1.5
CHL604	Skilled Based Lab: Piping Design Engineering Lab	-	3	-	-	1.5	-	1.5
CHM601	Mini Project – 2B	-	2#	-	-	1	-	1
Total		15	14	1	15	7	1	23

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC601	Mass Transfer Operation II	20	20	20	80	3	-	-	-	100
CHC602	Chemical Reaction Engineering II	20	20	20	80	3	-	-	-	100
CHC603	Pollution Control Technology	20	20	20	80	3	-	-	-	100
CHC604	Process Engineering and Economics	20	20	20	80	3	25	-	-	125
CHDO602X	Departmental Optional Course 2	20	20	20	80	3	-	-	-	100
CHL601	Mass Transfer Operation II Lab	-	-	-	-	3	25	25	-	50
CHL602	Chemical Reaction Engineering II Lab	-	-	-	-	3	25	25	-	50
CHL603	Pollution Control TechnologyLab	-	-	-	-	3	25	25	-	50
CHL604	Skilled Based Lab: Piping Design Engineering Lab	-	-	-	-	-	25	-	25	50
CHM601	Mini Project – 2B	-	-	-	-	-	25	-	25	50
	Total			100	400	-	150	75	50	775

Department Optional Course 2 (Semester VI)

Engineering Stream (Elective Code)	Technology Stream (Elective Code)	Management Stream (Elective Code)
Piping Engineering (CHDO6021)	Polymer Technology (CHDO6022)	Industrial Organization and Management (CHDO6023)

indicates work load of Learner (Not Faculty), for Mini Project; For mini project faculty load : 1 hour per wk

University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2022-2023)
Semester VII

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
CHC701	Instrumentation Process Dynamics and Control	3	-	-	3	-	-	3
CHC702	Chemical Engineering Equipment Design	3	-	-	3	-	-	3
CHDO703X	Department Optional Course 3	3	-	-	3	-	-	3
CHDO704X	Department Optional Course 4	3	-	-	3	-	-	3
IOC701X	Institute Optional Course 1	3	-	-	3	-	-	3
CHL701	Instrumentation Process Dynamics and Control Lab	-	3	-	-	1.5	-	1.5
CHL702	Chemical Engineering Equipment Design Lab	-	3	-	-	1.5	-	1.5
CHL703	Hazard and Risk Analysis Lab	-	2	-	-	1	-	1
CHP701	Major Project I	-	6#	-	-	3	-	3
	Total	15	8	-	15	7	-	22

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End	Exam				
		Test 1	Test 2	Avg	Sem Exam	Duration (in hrs)				
CHC701	Instrumentation Process Dynamics and Control	20	20	20	80	3	-	-	-	100
CHC702	Chemical Engineering Equipment Design	20	20	20	80	3	-	-	-	100
CHDO703X	Department Optional Course 3	20	20	20	80	3	-	-	-	100
CHDO704X	Department Optional Course 4	20	20	20	80	3	-	-	-	100
IOC701X	Institute Optional Course 1	20	20	20	80	3	-	-	-	100
CHL701	Instrumentation Process Dynamics and Control Lab	-	-	-	-	3	25	25	-	50
CHL702	Chemical Engineering Equipment Design Lab	-	-	-	-	-	25	-	25	50
CHL703	Hazard and Risk Analysis Lab	-	-	-	-	-	25	-	25	50
CHP701	Major Project I	-	-	-	-	3	25	-	25	50
	Total	-	-	100	400	-	100	25	75	700

Department Optional Course 3 (Semester VII)

Engineering Stream (Elective Code)	Technology Stream (Elective Code)	Management Stream (Elective)
Corrosion Engineering (CHDO7031)	Fundamental of Colloids and Interface Science and Technology (CHDO7032)	Project Management for Chemical Process Industries (CHDO7033)

Department Optional Course 4 (Semester VII)

Engineering Stream (Elective Code)	Technology Stream (Elective Code)	Management Stream (Elective)
Chemical Plant Safety and Hazards (CHDO7041)	Petroleum Refining Technology (CHDO7042)	Operation Research (CHDO7043)

indicates work load of Learner (Not Faculty), for Major Project; faculty load: semester VII-1/2 hour per w

University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2022-2023)
Semester VIII

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC801	Modelling Simulation and Optimization	3	-	-	3	-	-	3
CHDO805X	Department Optional Course 5	3	-	-	3	-	-	3
CHDO806X	Department Optional Course 6	3	-	-	3	-	-	3
IO802X	Institute Optional Course 2	3	-	-	3	-	-	3
CHL801	Modelling Simulation and Optimization Lab	-	3	-	-	1.5	-	1.5
CHL802	Software application in Chemical Engineering Lab	-	3	-	-	1.5	-	1.5
CHP801	Major Project II	-	12#	-	-	6	-	6
	Total	12	18	-	12	9	-	21

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC801	Modelling Simulation and Optimization	20	20	20	80	3	-	-	-	100
CHDO805X	Department Optional Course 5	20	20	20	80	3	-	-	-	100
CHDO806X	Department Optional Course 6	20	20	20	80	3	-	-	-	100
IO802X	Institute Optional Course 2	20	20	20	80	3	-	-	-	100
CHL801	Modelling Simulation and Optimization Lab	-	-	-	-	3	25	25	-	50
CHL802	Software application in Chemical Engineering Lab	-	-	-	-	-	25	-	25	50
CHP801	Major Project II	-	-	-	-	-	50	-	100	150
	Total			80	320	-	175	25	50	650

Department Optional Course 4 (Semester VIII)

Engineering Stream (Course Code)	Technology Stream (Course Code)	Management Stream (Course Code)
Energy System Design (CHDO8041)	Advanced Separation Technology (CHDO8042)	Financial Management (CHDO8043)

Department Optional Course 5 (Semester VIII)

Engineering Stream (Course Code)	Technology Stream (Course Code)	Management Stream (Course Code)
Fuel Cell Electrochemical Engineering (CHDO8051)	1. Biotechnology Technology (CHDO8052) 2. Nanotechnology (CHDO8053)	Chemical Waste Management (CHDO8054)

indicates work load of Learner (Not Faculty), for Major Project; Faculty load: semester VIII – 1 hour per v

Syllabus Structure

Rev 2019

Biomedical Engineering



**Program Structure for Second Year Engineering
Semester III & IV**

UNIVERSITY OF MUMBAI
(With Effect from 2020-2021)

Semester III

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total	
BMC301	Engineering Mathematics - III	3	--	1	3	--	1	4	
BMC302	Human Anatomy and Physiology for Engineers	3		--	3		--	3	
BMC303	Medical Sensors	3	--	--	3	--	--	3	
BMC304	Electronic Circuits Analysis and Design	4	--	--	4	--	--	4	
BMC305	Digital Electronics	3	--	--	3	--	--	3	
BML301	Human Anatomy and Physiology for Engineers Lab	--	2	--	--	1	--	1	
BML302	Medical Sensors Lab	--	2	--	--	1	--	1	
BML303	Electronic Circuits Analysis and Design Lab	--	2	--	--	1	--	1	
BML304	Electronics Lab (SBL)	--	4	--	--	2	--	2	
BMM301	Mini Project – 1 A	--	4 ^{\$}	--	--	2	--	2	
Total		16	14	1	16	07	1	24	
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract/oral	Total
		Internal Assessment			End Sem. Exam	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg.					
BMC301	Engineering Mathematics - III	20	20	20	80	3	25	--	125
BMC302	Human Anatomy and Physiology for Engineers	20	20	20	80	3	--	--	100
BMC303	Medical Sensors	20	20	20	80	3	--	--	100
BMC304	Electronic Circuits Analysis and Design	20	20	20	80	3	--	--	100
BMC305	Digital Electronics	20	20	20	80	3	--	--	100
BML301	Human Anatomy and Physiology for Engineers Lab	--	--	--	--	--	25	--	25
BML302	Medical Sensors Lab	--	--	--	--	--	25	25	50
BML303	Electronic Circuits Analysis and Design Lab	--	--	--	--	--	25	25	50
BML304	Electronics Lab (SBL)	--	--	--	--	--	25	25	50
BMM301	Mini Project – 1 A	--	--	--	--	--	25	--	25
Total		--	--	100	400	--	150	75	725

\$ indicates work load of Learner (Not Faculty), for Mini Project - 1 A.

Faculty Load :1 hour per week per 4 mini project groups.

Program Structure for Second Year Engineering
UNIVERSITY OF MUMBAI
(With Effect from 2020-2021)
Semester IV

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned				
		Theor y	Pract.	Tut.	Theory	Pract.	Tut.	Total	
BMC401	Engineering Mathematics - IV	3	--	1	3	--	1	4	
BMC402	Integrated Circuit Design	3	--	--	3	--	--	3	
BMC403	Principles of Control Systems	3	--	--	3	--	--	3	
BMC404	Medical Imaging – I	3	--	--	3	--	--	3	
BMC405	Biomaterials and Artificial Organs	3	--	--	3	--	--	3	
BML401	Integrated Circuit Design Lab	--	2	--	--	1	--	1	
BML402	Principles of Control Systems Lab	--	2	--	--	1	--	1	
BML403	Medical Imaging – I Lab	--	2	--	--	1	--	1	
BML404	Computing Lab (SBL)	--	4	--	--	2	--	2	
BMM401	Mini Project – 1 B	--	4 ^{\$}	--	--	2	--	2	
Total		15	14	1	15	7	1	23	
Course Code	Course Name	Examination Scheme							
		Theory					Term Work	Pract/oral	Total
		Internal Assessment			End Sem. Exam.	Exam. Duration (in Hrs)			
		Test 1	Test 2	Avg.					
BMC401	Engineering Mathematics - IV	20	20	20	80	3	25	--	125
BMC402	Integrated Circuit Design	20	20	20	80	3	--	--	100
BMC403	Principles of Control Systems	20	20	20	80	3	--	--	100
BMC404	Medical Imaging – I	20	20	20	80	3	--	--	100
BMC405	Biomaterials and Artificial Organs	20	20	20	80	3	--	--	100
BML401	Integrated Circuit Design Lab	--	--	--	--	--	25	25	50
BML402	Principles of Control Systems Lab	--	--	--	--	--	25	--	25
BML403	Medical Imaging – I Lab	--	--	--	--	--	25	25	50
BML404	Computing Lab (SBL)	--	--	--	--	--	25	25	50
BMM401	Mini Project – 1 B	--	--	--	--	--	25	25	50
Total		--	--	100	400	--	150	100	750

\$ indicates work load of Learner (Not Faculty), for Mini Project - 1 B.

Syllabus Structure

Rev 2016



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Thadomal Shahani Engineering College
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Syllabus Structure

Rev 2016

Computer Engineering



Program Structure B.E. Computer Engineering, (Rev. 2016) w.e.f. AY 2017-18

S. E. Computer Engineering (Semester-III)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
CSC301	Applied Mathematics -III	4+1@	-	-	5	-	-	5
CSC302	Digital Logic Design and Analysis	4	-	-	4	-	-	4
CSC303	Discrete Mathematics	3+1@	-	-	4	-	-	4
CSC304	Electronic Circuits and Communication Fundamentals	4	-	-	4	-	-	4
CSC305	Data Structures	4	-	-	4	-	-	4
CSL301	Digital System Lab	-	2	-	-	1	-	1
CSL302	Basic Electronics Lab	-	2	-	-	1	-	1
CSL303	Data structure Lab	-	2	-	-	1	-	1
CSL304	OOPM(Java) Lab	-	2+2*	-	-	2	-	2
Total		21	10	-	21	5	-	26

@ 1 hour to be taken tutorial as class wise.

*2 hours shown as practical's to be taken class wise and other 2 hours to be taken as batch wise

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
CSC301	Applied Mathematics -III	20	20	20	80	3	-	-	-	100
CSC302	Digital Logic Design and Analysis	20	20	20	80	3	-	-	-	100
CSC303	Discrete Structures	20	20	20	80	3	-	-	-	100
CSC304	Electronic Circuits and Communication Fundamentals	20	20	20	80	3	-	-	-	100
CSC305	Data Structures	20	20	20	80	3	--	-	-	100
CSL301	Digital System Lab	-	-	-	-	-	25	--	25	50
CSL302	Basic Electronics Lab	-	-	-	-	-	25	25	---	50
CSL303	Data structure Lab	-	-	-	-	-	25	-	25	50
CSL304	OOPM(Java) Lab	-	-	-	-	-	50	--	50	100
Total		100	100	100	400	-	125	25	100	750

Program Structure B.E. Computer Engineering, (Rev. 2016) w.e.f. AY 2017-18

S. E. Computer Engineering (Semester-IV)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
CSC401	Applied Mathematics- IV	4+1@	-	-	5	-	-	5
CSC402	Analysis of Algorithms	4	-	-	4	-	-	4
CSC403	Computer Organization and Architecture	4	-	-	4	-	-	4
CSC404	Computer Graphics	4	-	-	4	-	-	4
CSC405	Operating System	4	-	-	4	-	-	4
CSL401	Analysis of Algorithms Lab	-	2	-	-	1	-	1
CSL402	Computer Graphics Lab	-	2	-	-	1	-	1
CSL403	Processor Architecture Lab	-	2	-	-	1	-	1
CSL404	Operating System Lab	-	2	-	-	1	-	1
CSL405	Open Source Tech Lab	-	2+2*	-	-	2	-	2
Total		21	12	-	21	6	-	27

@ 1 hour to be taken tutorial as class wise .

*2 hours shown as Practical's to be taken class wise and other 2 hours to be taken as batch wise

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
CSC401	Applied Mathematics- IV	20	20	20	80	3	-	-	-	100
CSC402	Analysis of Algorithms	20	20	20	80	3	-	-	-	100
CSC403	Computer Organization and Architecture	20	20	20	80	3	-	-	-	100
CSC404	Computer Graphics	20	20	20	80	3	-	-	-	100
CSC405	Operating System	20	20	20	80	3	--	-	-	100
CSL401	Analysis of Algorithms Lab	-	-	-	-	-	25	--	25	50
CSL402	Computer Graphics Lab	-	-	-	-	-	25	--	25	50
CSL403	Processor Architecture Lab	-	-	-	-	-	25	25	-	50
CSL404	Operating System Lab	-	-	-	-	-	25	-	25	50
CSL405	Open Source Tech Lab	-	-	-	-	-	25	---	25	50
Total		100	100	100	400	-	125	25	100	750




Program Structure B.E. Computer Engineering, (Rev. 2016) w.e.f. AY 2018-19

T. E. Computer Engineering (Semester-V)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
CSC501	Microprocessor	4	-	-	4	-	-	4
CSC502	Database Management System	4	-	-	4	-	-	4
CSC503	Computer Network	4	-	-	4	-	-	4
CSC504	Theory of Computer Science	3+1@	-	-	4	-	-	4
CSDLO 501X	Department Level Optional Course -I	4	-	-	4	-	-	4
CSL501	Microprocessor Lab	-	2	-	-	1	-	1
CSL502	Computer Network Lab	-	2	-	-	1	-	1
CSL503	Database & Info. System Lab	-	2	-	-	1	-	1
CSL504	Web Design Lab	-	2+2*	-	-	2	-	2
CSL505	Business Comm. & Ethics	-	2+2*	-	-	2	-	2
Total		20	14	-	20	7	-	27

@ 1 hour to be taken tutorial as class wise.

*2 hours shown as Practical's to be taken class wise and other 2 hours to be taken as batch wise

Course Code	Course Name	Examination Scheme							
		Theory					TW	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)			
		Test 1	Test 2	Avg.					
CSC501	Microprocessor	20	20	20	80	3	-	-	100
CSC502	Database Management System	20	20	20	80	3	-	-	100
CSC503	Computer Network	20	20	20	80	3	-	-	100
CSC504	Theory of Computer Science	20	20	20	80	3	-	-	100
CSDLO 501X	Department Level Optional Course -I	20	20	20	80	3	--	-	100
CSL501	Microprocessor Lab	-	-	-	-	-	25	25	50
CSL502	Computer Network Lab	-	-	-	-	-	25	25	50
CSL503	Database & Info. System Lab	-	-	-	-	-	25	25	50
CSL504	Web Design Lab	-	-	-	-	-	25	25	50
CSL505	Business Comm. & Ethics	-	-	-	-	-	50	-	50
Total		100	100	100	400	-	150	100	750

Program Structure B.E. Computer Engineering, (Rev. 2016) w.e.f. AY 2018-19

T. E. Computer Engineering (Semester-VI)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
CSC601	Software Engineering	4	-	-	4	-	-	4
CSC602	System Programming & Compiler Construction	4	-	-	4	-	-	4
CSC603	Data Warehousing & Mining	4	-	-	4	-	-	4
CSC604	Cryptography & System Security	4	-	-	4	-	-	4
CSDLO 601X	Department Level Optional Course -II	4	-	-	4	-	-	4
CSL601	Software Engineering Lab	-	2	-	-	1	-	1
CSL602	System software Lab	-	2	-	-	1	-	1
CSL603	Data Warehousing & Mining Lab	-	2	-	-	1	-	1
CSL604	System Security Lab	-	2	-	-	1	-	1
CSP605	Mini-Project	-	4	-	-	2	-	2
Total		20	12	-	20	6	-	26

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
CSC601	Software Engineering	20	20	20	80	3	-	-	-	100
CSC602	System Programming & Compiler Construction	20	20	20	80	3	-	-	-	100
CSC603	Data Warehousing & Mining	20	20	20	80	3	-	-	-	100
CSC604	Cryptography & System Security	20	20	20	80	3	-	-	-	100
CSDLO 601X	Department Level Optional Course -II	20	20	20	80	3	-	-	-	100
CSL601	Software Engineering Lab	-	-	-	-	-	25	25	--	50
CSL602	System Software Lab	-	-	-	-	-	25	--	25	50
CSL603	Data Warehousing & Mining Lab	-	-	-	-	-	25	--	25	50
CSL604	System Security Lab	-	-	-	-	-	25	---	25	50
CSP605	Mini-Project	-	-	-	-	-	25	---	25	50
Total		100	100	100	400	-	150	25	100	750




Program Structure B.E. Computer Engineering, (Rev. 2016) w.e.f. AY 2019-20
B. E. Computer Engineering (Semester-VII)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
CSC701	Digital Signal & Image Processing	4	-	-	4	-	-	4
CSC702	Mobile Communication & Computing	4	-	-	4	-	-	4
CSC703	Artificial Intelligence & Soft Computing	4	-	-	4	-	-	4
CSDLO 701X	Department Level Optional Course -III	4	-	-	4	-	-	4
ILO701X	Institute Level Optional Course-I	3	-	-	3	-	-	3
CSL701	Digital Signal & Image Processing Lab	-	2	-	-	1	-	1
CSL702	Mobile App. Development. Tech. Lab	-	2	-	-	1	-	1
CSL703	Artificial Intelligence & Soft Computing Lab	-	2	-	-	1	-	1
CSL704	Computational Lab-I	-	2	-	-	1	-	1
CSP705	Major Project-I	-	6	-	-	3	-	3
	Total	19	14	-	19	7	-	26

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
CSC701	Digital Signal & Image Processing	20	20	20	80	3	-	--	-	100
CSC702	Mobile Communication & Computing	20	20	20	80	3	-	--	-	100
CSC703	Artificial Intelligence & Soft Computing	20	20	20	80	3	-	--	-	100
CSDLO 701X	Department Level Optional Course -III	20	20	20	80	3	-	--	-	100
ILO701X	Institute Level Optional Course-I	20	20	20	80	3	--	--	-	100
CSL701	Digital Signal & Image Processing Lab	-	-	-	-	-	25	--	--	25
CSL702	Mobile App. Development. Tech. Lab	-	-	-	-	-	25	--	25	50
CSL703	Artificial Intelligence & Soft Computing Lab	--	-	-	-	--	25	25	--	50
CSL704	Computational Lab-I						25	--	25	50
CSP705	Major Project-I	-	-	-	-	-	50	-	25	75
Total		100	100	100	400		150	25	75	750

University of Mumbai, B. E. (Computer Engineering), Rev 2016



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Program Structure B.E. Computer Engineering, (Rev. 2016) w.e.f. AY 2019-20

B. E. Computer Engineering (Semester-VIII)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
CSC801	Human Machine Interaction	4	-	-	4	-	-	4
CSC802	Distributed Computing	4	-	-	4	-	-	4
CSDLO 801X	Department Level Optional Course -IV	4	-	-	4	-	-	4
ILO801X	Institute Level Optional Course-II	3	-	-	3	-	-	3
CSL801	Human Machine Interaction Lab	-	2	-	-	1		1
CSL802	Distributed Computing Lab	-	2	-	-	1		1
CSL803	Cloud Computing Lab	-	4	-	-	2		2
CSL804	Computational Lab-II	-	2	-	-	1		1
CSP805	Major Project-II	-	12		-	6	-	6
	Total	15	22	-	15	11	-	26

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in				
		Test 1	Test 2	Avg.						
CSC801	Human Machine Interaction	20	20	20	80	3	-	-	-	100
CSC802	Distributed Computing	20	20	20	80	3	-	-	-	100
CSDLO 801X	Department Level Optional Course -IV	20	20	20	80	3	-	-	-	100
ILO801X	Institute Level Optional Course-II	20	20	20	80	3	-	-	-	100
CSC801	Human Machine Interaction Lab						25	25	-	50
CSL802	Distributed Computing Lab	-	-	-	-	-	25	25		50
CSL803	Cloud Computing Lab	-	-	-	-	-	50	--	25	75
CSL804	Computational Lab-II	-	-	-	-	-	50	--	25	75
CSP805	Major Project-II						50		50	100
Total		100	100	100	400	--	150		100	750




Sem.	Department Level Optional Course (DLOC)	Institute Level Optional Course (ILOC)
V	CSDLO5011: Multimedia System CSDLO5012: Advance Operating System CSDLO5013: Advance Algorithm	-----
VI	CSDLO6021: Machine Learning CSDLO6022: Advance Database System CSDLO6023: Enterprise Resource Planning CSDLO6024: Advance Computer Network	-----
VII	CSDLO7031: Advance System Security & Digital Forensics CSDLO7032: Big Data & Analytics CSDLO7033: Robotics	ILO7011. Product Lifecycle Management ILO7012. Reliability Engineering ILO7013. Management Information System ILO7014. Design of Experiments ILO7015. Operation Research ILO7016. Cyber Security and Laws ILO7017. Disaster Management & Mitigation Measures ILO7018. Energy Audit and Management ILO7019. Development Engineering
VIII	DLO8011: High Performance Computing DLO8012: Natural Language Processing DLO8013: Adhoc Wireless Network	ILO8021. Project Management ILO8022. Finance Management ILO8023. Entrepreneurship Development and Management ILO8024. Human Resource Management ILO8025. Professional Ethics and CSR ILO8026. Research Methodology ILO8027. IPR and Patenting ILO8028. Digital Business Management ILO8029. Environmental Management

Syllabus Structure

Rev 2016

Information Technology



Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
ITC301	Applied Mathematics III	4+1@	-	-	5	-	-	5
ITC302	Logic Design	4	-	-	4	-	-	4
ITC303	Data Structures & Analysis	4	-	-	4	-	-	4
ITC304	Database Management System	4	-	-	4	-	-	4
ITC305	Principle of Communications	3+1\$	-	-	4	-	-	4
ITL301	Digital Design Lab	-	2	-	-	1	-	1
ITL302	Data Structures Lab	-	2	-	-	1	-	1
IT303	SQL Lab	-	2	-	-	1	-	1
ITL304	Java Programming Lab	-	2+2*	-	-	2	-	2
	Total	21	10	-	21	5	-	26

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
ITC301	Applied Mathematics III	20	20	20	80	3	-	-	-	100
ITC302	Logic Design	20	20	20	80	3	-	-	-	100
ITC303	Data Structures & Analysis	20	20	20	80	3	-	-	-	100
ITC304	Database Management System	20	20	20	80	3	-	-	-	100
ITC305	Principle of Communications	20	20	20	80	3	--	-	-	100
ITL301	Digital Design Lab	-	-	-	-	-	25	--	25	50
ITL302	Data Structures Lab	-	-	-	-	-	25	--	25	50
IT303	SQL Lab	-	-	-	-	-	25	-	25	50
ITL304	Java Programming Lab	-	-	-	-	-	50	--	50	100
Total		100	100	100	400	-	125	--	125	750

@ 4 hours shown as theory to be taken class wise and 1 hour to be taken tutorial as class wise

\$ 3 hours shown as theory to be taken class wise and 1 hour to be taken tutorial as batch wise

* 2 hours shown as practical's to be taken class wise lecture and another 2 hours to be taken as batch wise practices in the lab.



Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
ITC401	Applied Mathematics-IV	4+1@	-	-	5	-	-	5
ITC402	Computer Networks	4	-	-	4	-	-	4
ITC403	Operating Systems	4	-	-	4	-	-	4
ITC404	Computer Organization and Architecture	4	-	-	4	-	-	4
ITC405	Automata Theory	3+1\$	-	-	4	-	-	4
ITL401	Networking Lab	-	2	-	-	1	-	1
ITL402	Unix Lab	-	2	-	-	1	-	1
ITL403	Microprocessor Programming Lab	-	2	-	-	1	-	1
ITL404	Python Lab	-	2+2*	-	-	2	-	2
Total		21	10	-	21	5	-	26

ourse Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
ITC401	Applied Mathematics-IV	20	20	20	80	3	-	-	-	100
ITC402	Computer Networks	20	20	20	80	3	-	-	-	100
ITC403	Operating Systems	20	20	20	80	3	-	-	-	100
ITC404	Computer Organization and Architecture	20	20	20	80	3	-	-	-	100
ITC405	Automata Theory	20	20	20	80	3	--	-	-	100
ITL401	Networking Lab	-	-	-	-	-	25	25	--	50
ITL402	Unix Lab	-	-	-	-	-	25	--	25	50
ITL403	Microprocessor Programming Lab	-	-	-	-	-	25	25	--	50
ITL404	Python Lab	-	-	-	-	-	50	--	50	100
Total		100	100	100	400	-	125	50	75	750

@ 4 hours shown as theory to be taken class wise and 1 hour to be taken tutorial as class wise

\$ 3 hours shown as theory to be taken class wise and 1 hour to be taken tutorial as batch wise

*2 hours shown as practical's to be taken class wise lecture and other 2 hours to be taken as batch wise practicals in Lab.



University of Mumbai

Program Structure B.E. Information Technology, (Rev. 2016)

T. E. Information Technology (Semester-V)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
ITC501	Microcontroller and Embedded Programming	4	-	-	4	-	-	4
ITC502	Internet Programming	4	-	-	4	-	-	4
ITC503	Advanced Data Management Technology	4	-	-	4	-	-	4
ITC504	Cryptography & Network Security	4	-	-	4	-	-	4
ITDLO-I	Department Level Optional Course-I	4	-	-	4	-	-	4
ITL501	Internet Programming Lab	-	2	-	-	1	-	1
ITL502	Security Lab	-	2	-	-	1	-	1
ITL503	OLAP Lab	-	2	-	-	1	-	1
ITL504	IOT (Mini Project) Lab	-	2	-	-	1	-	1
ITL505	Business Communication and Ethics	-	2+2*	-	-	2	-	2
	Total	20	14	-	20	7	-	26

Course Code	Course Name			Examination Scheme						
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
ITC501	Microcontroller and Embedded Programming	20	20	20	80	3	-		-	100
ITC502	Internet Programming	20	20	20	80	3	-		-	100
ITC503	Advanced Data Management Technology	20	20	20	80	3	-		-	100
ITC504	Cryptography & Network Security	20	20	20	80	3	-		-	100
ITDLO-I	Department Level Optional Course-I	20	20	20	80	3	--		-	100
ITL501	Internet Programming Lab	-	-	-	-	-	25	--	25	50
ITL502	Security Lab	-	-	-	-	-	25	25	--	50
ITL503	OLAP Lab	-	-	-	-	-	25	25		50

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ITL504	IOT (Mini Project) Lab	-	-	-	-	-	25	25	--	50
ITL505	Business Communication and Ethics	-	-	-	-	-	50	--	--	50
Total		100	100	100	400	-	150	75	25	750

Department Level Optional Course (DLO)

Every student is required to take one Department Elective Course for Semester V. Different sets of courses will run in both the semesters. Students can take these courses from the list of department electives, which are closely allied to their disciplines.

(DLO-I subjects will have no Labs only Theory)

Subject Code	Department Level Optional Course (DLO)
Semester V	
ITDLO5011	Advanced Data Structures & Analysis of Algorithms
ITDLO5012	Image Processing
ITDLO5013	E-Commerce & E-Business
ITDLO5014	IT Enabled Services
ITDLO5015	Computer Graphics & Virtual Reality

T. E. Information Technology (Semester-VI)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
ITC601	Software Engineering with Project Management	4	-	-	4	-	-	4
ITC602	Data Mining and Business Intelligence	4	-	-	4	-	-	4
ITC603	Cloud Computing & Services	4	-	-	4	-	-	4
ITC604	Wireless Networks	4	-	-	4	-	-	4
ITDLO-II	Department Level Optional Course -II	4	-	-	4	-	-	4
ITL601	Software Design Lab	-	2	-	-	1	-	1
ITL602	Business Intelligence Lab	-	2	-	-	1	-	1
ITL603	Cloud Service Design Lab	-	2	-	-	1	-	1
ITL604	Sensor Network Lab	-	2	-	-	1	-	1
ITM605	Mini-project	-	4	-	-	2	-	2
	Total	20	12	-	20	6	-	26

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
ITC601	Software Engineering with Project Management	20	20	20	80	3	-	-	-	100
ITC602	Data Mining and Business Intelligence	20	20	20	80	3	-	-	-	100
ITC603	Cloud Computing & Services	20	20	20	80	3	-	-	-	100
ITC604	Wireless Networks	20	20	20	80	3	-	-	-	100
ITDLO-II	Department Level Optional Course -II	20	20	20	80	3	-	-	-	100
ITL601	Software Design Lab	-	-	-	-	-	25	25	--	50
ITL602	Business Intelligence Lab	-	-	-	-	-	25	25	--	50
ITL603	Cloud Service Design Lab	-	-	-	-	-	25	25	--	50
ITL604	Sensor Network Lab	-	-	-	-	-	25	25	--	50
ITM605	Mini-Project	-	-	-	-	-	25	25	--	50
Total		100	100	100	400	-	125	125	--	750

Department Level Optional Course (DLO)

Every student is required to take one Department Elective Course for Semester VI. Different sets of courses will run in both the semesters. Students can take these courses from the list of department electives, which are closely allied to their disciplines.

(DLO-I subjects will have no Labs only Theory)

Subject Code	Department Level Optional Course (DLO)
Semester VI	
ITDLO6021	Advance Internet Programming
ITDLO6022	Software Architecture
ITDLO6023	Digital Forensics
ITDLO6024	Multimedia Systems
ITDLO6025	Green IT

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
ITC701	Enterprise Network Design	4	-	-	4	-	-	4
ITC702	Infrastructure Security	4	-	-	4	-	-	4
ITC703	Artificial Intelligence	4	-	-	4	-	-	4
ITDLO-II	Department Level Optional Course -III	4	-	-	4	-	-	4
ILO-I	Institute Level Optional Course-I	3	-	-	3	-	-	3
ITL701	Network Design Lab	-	2	-	-	1		1
ITL702	Advanced Security Lab	-	2	-	-	1		1
ITL703	Intelligence System Lab	-	2	-		1		1
ITL704	Android Apps Development Lab	-	2			1		1
ITM705	Project-I	-	6/8			3	-	3
	Total	19	14	-	19	7	-	26

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in Hrs)				
		Test 1	Test 2	Avg.						
ITC701	Enterprise Network Design	20	20	20	80	3	-		-	100
ITC702	Infrastructure Security	20	20	20	80	3	-		-	100
ITC703	Artificial Intelligence	20	20	20	80	3	-		-	100
ITDLO-II	Department Level Optional Course -III	20	20	20	80	3	-		-	100
ILO-I	Institute Level Optional Course-I	20	20	20	80	3	--		-	100
ITL701	Network Design Lab	-	-	-	-	-	25	25	--	50
ITL702	Advanced Security Lab	-	-	-	-	-	25	25	--	50
ITL703	Intelligence System Lab	--	-	-	-	--	25	25	--	50
ITL704	Android Apps Development Lab						25	25	--	25
ITM705	Project-I	-	-	-	-	-	50	25	--	75
Total		100	100	100	400		150	125	--	750

Department Level Optional Course (DLO)

Every student is required to take one Department Elective Course for Semester VII. Different sets of courses will run in both the semesters. Students can take these courses from the list of department electives, which are closely allied to their disciplines.

(DLO-I subjects will have no Labs only Theory)

Institute Level Optional Course (ILO)

Every student is required to take one Institute Elective Course for Semester VII, which is not closely allied to their disciplines. Different sets of courses will run in the both the semesters.

Subject Code	Department Level Optional Course (DLO)	Subject Code	Institute Level Optional Course (ILO)
Semester VII			
ITDLO7031	Storage Area Networks	ILO7011	Product Lifecycle Management
ITDLO7032	Mobile Application Development	ILO7012	Reliability Engineering
ITDLO7033	High Performance Computing	ILO7013	Management Information System
ITDLO7034	Software Testing and Quality Assurance	ILO7014	Design of Experiments
ITDLO7035	Soft Computing	ILO7015	Operation Research
		ILO7016	Cyber Security and Laws
		ILO7017	Disaster Management and Mitigation Measures
		ILO7018	Energy Audit and Management
		ILO7019	Development Engineering

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/ Pract	Tut	Total
ITC801	Big Data Analytics	4	-	-	4	-	-	4
ITC802	Internet of Everything	4	-	-	4	-	-	4
ITDLO-IV	Department Level Optional Course-IV	4	-	-	4	-	-	4
ILO-II	Institute Level Optional Course-II	3	-	-	3	-	-	3
ITL801	Big Data Lab	-	2	-	-	1		1
ITL802	Internet of Everything Lab		2			1		1
ITL803	DevOps Lab	-	2	-	-	1		1
ITL804	R Programming Lab	-	2	-		1		1
ITM805	Project-II	-	16			8	-	8
	Total	15	24	-	15	12	-	27

Course Code	Course Name	Examination Scheme								
		Theory					TW	Oral	Oral & Pract	Total
		Internal Assessment			End Sem. Exam	Exam Duration (in				
		Test 1	Test 2	Avg.						
ITC801	Big Data Analytics	20	20	20	80	3	-	-	-	100
ITC802	Internet of Everything	20	20	20	80	3	-	-	-	100
ITDLO-IV	Department Level Optional Course-IV	20	20	20	80	3	-	-	-	100
ILO-II	Institute Level Optional Course-II	20	20	20	80	3	-	-	-	100
ITL801	Big Data Lab						25	25	-	50
ITL802	Internet of Everything Lab	-	-	-	-	-	25	25		50
ITL803	DevOps Lab	-	-	-	-	-	25	--	25	50
ITL804	R Programming Lab	-	-	-	-	-	25	--	25	50
ITM805	Project-II						100	50	--	150
Total		80	80	80	320	--	200	100	50	750

Department Level Optional Course (DLO)

Every student is required to take one Department Elective Course for Semester VIII. Different sets of courses will run in both the semesters. Students can take these courses from the list of department electives, which are closely allied to their disciplines.

(DLO-I subjects will have no Labs only Theory)

Institute Level Optional Course (ILO)

Every student is required to take one Institute Elective Course for Semester VIII, which is not closely allied to their disciplines. Different sets of courses will run in the both the semesters.

Subject Code	Department Level Optional Course (DLO)	Subject Code	Institute Level Optional Course (ILO)
Semester VIII			
ITDLO8041	User Interaction Design	ILO8021	Project Management
ITDLO8042	Information Retrieval Systems	ILO8022	Finance Management
ITDLO8043	Knowledge Management	ILO8023	Entrepreneurship Development and Management
ITDLO8044	Robotics	ILO8024	Human Resource Management
ITDLO8045	Enterprise Resource Planning	ILO8025	Professional Ethics and CSR
		ILO8026	Research Methodology
		ILO8027	IPR and Patenting
		ILO8028	Digital Business Management
		ILO8029	Environmental Management

Syllabus Structure

Rev 2016

Electronics and Telecommunication



**Program Structure for
B.E. Electronics & Telecommunication Engineering (Rev. 2016)
University of Mumbai
(With Effect from 2017-2018)**

Semester III

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned		
		Theory	Pracs	Tut	Theory	TW/ Pracs	Total
ECC301	Applied Mathematics- III	4	-	2@	4	1	5
ECC302	Electronic Devices and Circuits I	4	-	-	4	-	4
ECC303	Digital System Design	4	-	-	4	-	4
ECC304	Circuit Theory and Networks	4	-	2@	4	1	5
ECC305	Electronic Instrumentation and Control	4	-	2@	4	1	5
ECL301	Electronic Devices and Circuits I Laboratory	-	2	-	-	1	1
ECL302	Digital System Design Laboratory	-	2	-	-	1	1
ECL303	OOP using JAVA Laboratory	-	2	-	-	1	1
Total		20	6	6	20	6	26

@ 2 hour to be taken as tutorial classwise

Course Code	Course Name	Examination Scheme							
		Theory					TW	Oral/ Prac	Total
		Internal Assessment			End Sem Exam	Exam Duration (Hrs)			
		Test1	Test 2	Avg					
ECC301	Applied Mathematics-III	20	20	20	80	03	25	--	125
ECC302	Electronic Devices and Circuits I	20	20	20	80	03	--	--	100
ECC303	Digital System Design	20	20	20	80	03	--	--	100
ECC304	Circuit Theory and Networks	20	20	20	80	03	25	--	125
ECC305	Electronic Instrumentation and Control	20	20	20	80	03	25	--	125
ECL301	Electronic Devices and Circuits I Laboratory	--	--	--	--	--	25	25	50
ECL302	Digital System Design Laboratory	--	--	--	--	--	25	25	50
ECL303	OOP using JAVA Laboratory	--	--	--	--	--	25	25	50
Total				100	400		150	75	725




Semester IV

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned		
		Theory	Pracs	Tut	Theory	TW/ Pracs	Total
ECC401	Applied Mathematics- IV	4	-	2@	4	1	5
ECC402	Electronic Devices and Circuits II	4	-	-	4	-	4
ECC403	Linear Integrated Circuits	4	-	-	4	-	4
ECC404	Signals & Systems	4	-	2@	4	1	5
ECC405	Principles of Communication Engineering	4	-	-	4	-	4
ECL401	Electronic Devices and Circuits II Laboratory	-	2	-	-	1	1
ECL402	Linear Integrated Circuits Laboratory	-	2	-	-	1	1
ECL403	Principles of Communication Engineering Laboratory	-	2	-	-	1	1
Total		20	6	4	20	5	25

@ 2 hour to be taken as tutorial classwise

Course Code	Course Name	Examination Scheme							
		Theory					TW	Oral & Prac	Total
		Internal Assessment			End Sem Exam	Exam Duration (Hrs)			
		Test1	Test 2	Avg					
ECC401	Applied Mathematics- IV	20	20	20	80	03	25	--	125
ECC402	Electronic Devices and Circuits II	20	20	20	80	03	--	--	100
ECC403	Linear Integrated Circuits	20	20	20	80	03	--	--	100
ECC404	Signals & Systems	20	20	20	80	03	25	--	125
ECC405	Principles of Communication Engineering	20	20	20	80	03	--	--	100
ECL401	Electronic Devices and Circuits II Laboratory	--	--	--	--	--	25	25	50
ECL402	Linear Integrated Circuits Laboratory	--	--	--	--	--	25	25	50
ECL403	Principles of Communication Engineering Laboratory	--	--	--	--	--	25	25	50
Total				100	400		125	75	700




Semester V

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned		
		Theory	Pracs	Tut	Theory	TW/ Pracs	Total
ECC501	Microprocessor & Peripherals Interfacing	4	-	-	4	-	4
ECC502	Digital Communication	4	-	-	4	-	4
ECC503	Electromagnetic Engineering	4	-	1@	4	1	5
ECC504	Discrete Time Signal Processing	4	-	-	4	-	4
ECCDLO 501X	Department Level Optional Course I	4	-	-	4	-	4
ECL501	Microprocessor & Peripherals Interfacing Lab	-	2	-	-	1	1
ECL502	Digital Communication Lab	-	2	-	-	1	1
ECL503	Business Communication & Ethics Lab	-	2+2*	-	-	2	2
ECL504	Open Source Technology for Communication Lab	-	2	-	-	1	1
ECLDLO 501X	Department Level Optional Lab I	-	-	2#	-	1	1
Total		20	10	3	20	7	27

@ 1 hour to be taken as tutorial classwise #2 hours to be taken as either lab or tutorial based on subject requirement
 *2 hours to be taken as tutorial batchwise

Course Code	Course Name	Examination Scheme							
		Theory					TW	Oral/ Prac	Total
		Internal Assessment			End Sem Exam	Exam Duration (Hrs)			
		Test1	Test 2	Avg					
ECC501	Microprocessor & Peripherals Interfacing	20	20	20	80	03	--	--	100
ECC502	Digital Communication	20	20	20	80	03	--	--	100
ECC503	Electromagnetic Engineering	20	20	20	80	03	25	--	125
ECC504	Discrete Time Signal Processing	20	20	20	80	03	--	--	100
ECCDLO 501X	Department Level Optional Course I	20	20	20	80	03	--	--	100
ECL501	Microprocessor & Peripherals Interfacing Lab	--	--	--	--	--	25	25	50
ECL502	Digital Communication Lab	--	--	--	--	--	25	25	50
ECL503	Business Communication & Ethics Lab	--	--	--	--	--	50	--	50
ECL504	Open Source Technology for Communication Lab	--	--	--	--	--	25	25	50
ECLDLO 501X	Department Level Optional Lab I	--	--	--	--	--	25	--	25
Total				100	400		175	75	750




Course Code	Department Level Optional Course I
ECCDLO 5011	Microelectronics
ECCDLO 5012	TV & Video Engineering
ECCDLO 5013	Finite Automata Theory
ECCDLO 5014	Data Compression and Encryption




Semester VI

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned		
		Theory	Pracs	Tut	Theory	TW/ Pracs	Total
ECC601	Microcontrollers & Applications	4	-	--	4	--	4
ECC602	Computer Communication Networks	4	-	-	4	-	4
ECC603	Antenna & Radio Wave Propagation	4	-	-	4	-	4
ECC604	Image Processing and Machine Vision	4	-	--	4	--	4
ECCDLO 602X	Department Level Optional Course II	4	-	-	4	-	4
ECL601	Microcontroller & Applications Lab	-	2	-	-	1	1
ECL602	Computer Communication Network Lab	-	2	-	-	1	1
ECL603	Antenna & Radio Wave Propagation Lab	-	2	-	-	1	1
ECL604	Image Processing and Machine Vision Lab	-	2	-	-	1	1
ECLDLO 602X	Department Level Optional Lab II	-	2	-	-	1	1
Total		20	10	-	20	5	25

Course Code	Course Name	Examination Scheme							
		Theory					TW	Oral & Prac	Total
		Internal Assessment			End Sem Exam	Exam Duration (Hrs)			
		Test1	Test 2	Avg					
ECC601	Microcontroller& Applications	20	20	20	80	03	--	--	100
ECC602	Computer Communication Network	20	20	20	80	03	--	--	100
ECC603	Antenna & Radio Wave Propagation	20	20	20	80	03	--	--	100
ECC604	Image Processing and Machine Vision Lab	20	20	20	80	03	--	--	100
ECCDLO 602X	Department Level Optional Course II	20	20	20	80	03	--	--	100
ECL601	Microcontroller & Applications Lab	--	--	--	--	--	25	25	50
ECL602	Computer Communication Network Lab	--	--	--	--	--	25	25	50
ECL603	Antenna & Radio Wave Propagation Lab	--	--	--	--	--	25	25	50
ECL604	Image Processing and Machine Vision Lab	--	--	--	--	--	25	25	50
ECLDLO 602X	Department Level Optional Lab II	--	--	--	--	--	25	--	25
Total				100	400		125	100	725

Course Code	Department Level Optional Course II
ECCDLO 6021	Digital VLSI Design
ECCDLO 6022	Radar Engineering
ECCDLO 6023	Database Management System
ECCDLO 6024	Audio Processing




Semester VII

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned		
		Theory	Pracs	Tut	Theory	TW/ Pracs	Total
ECC701	Microwave Engineering	4	-	-	4	-	4
ECC702	Mobile Communication System	4	-	-	4	-	4
ECC703	Optical Communication	4	-	--	4	-	4
ECCDLO 703X	Department Level Optional Course III	4	-	-	4	-	4
ILO701X	Institute Level Optional Course I	3	-	-	3	-	3
ECL701	Microwave Engineering Lab	-	2	-	-	1	1
ECL702	Mobile Communication System Lab	-	2	-	-	1	1
ECL703	Optical Communication Lab	-	2	-	-	1	1
ECLDLO 703X	Department Level Optional Lab III	-	2	-	-	1	1
ECL704	Project-I	-	6	-	-	3	3
Total		19	14	-	19	7	26

Course Code	Course Name	Examination Scheme							
		Theory					TW	Oral & Prac	Total
		Internal Assessment			End Sem Exam	Exam Duration (Hrs)			
		Test1	Test 2	Avg					
ECC701	Microwave Engineering	20	20	20	80	03	--	--	100
ECC702	Mobile Communication System	20	20	20	80	03	--	--	100
ECC703	Optical Communication	20	20	20	80	03	--	--	100
ECCDLO 703X	Department Level Optional Course III	20	20	20	80	03	--	--	100
ILO701X	Institute Level Optional Course I	20	20	20	80	03	--	--	100
ECL701	Microwave Engineering Lab	--	--	--	--	--	25	25	50
ECL702	Mobile Communication System Lab	--	--	--	--	--	25	25	50
ECL703	Optical Communication Lab	--	--	--	--	--	25	25	50
ECLDLO 703X	Department Level Optional Lab III	--	--	--	--	--	25	25	50
ECL704	Project-I	--	--	--	--	--	50	50	100
Total				100	400		150	150	800




Course Code	Department Level Optional Course III	Course Code	Institute Level Optional Course I [#]
ECCDLO7031	Neural Networks and Fuzzy Logic	ILO7011	Product Lifecycle Management
ECCDLO7032	Big Data Analytics	ILO7012	Reliability Engineering
ECCDLO7033	Internet Communication Engineering	ILO7013	Management Information System
ECCDLO7034	CMOS Mixed Signal VLSI	ILO7014	Design of Experiments
ECCDLO7034	Embedded System	ILO7015	Operation Research
		ILO7016	Cyber Security and Laws
		ILO7017	Disaster Management and Mitigation Measures
		ILO7018	Energy Audit and Management
		ILO7019	Development Engineering

Common with all branches




Semester VIII

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned		
		Theory	Pracs	Tut	Theory	TW/ Pracs	Total
ECC801	RF Design	4	-	--	4	--	4
ECC802	Wireless Networks	4	-	-	4	-	4
ECCDLO 804X	Department Level Optional Course IV	4	-	-	4	-	4
ILO802X	Institute Level Optional Course II	3	-	-	3	-	3
ECL801	RF Design Lab	-	2	-	-	1	1
ECL802	Wireless Networks Lab	-	2	-	-	1	1
ECLDLO 804X	Department Level Optional Lab IV	-	2	-	-	1	1
ECL803	Project-II	-	12	-	-	6	6
Total		15	18	-	15	9	24

Course Code	Course Name	Examination Scheme							
		Theory					TW	Oral & Prac	Total
		Internal Assessment			End Sem Exam	Exam Duration (Hrs)			
		Test1	Test 2	Avg					
ECC801	RF Design	20	20	20	80	03	--	--	100
ECC802	Wireless Networks	20	20	20	80	03	--	--	100
ECCDLO 804X	Department Level Optional Course IV	20	20	20	80	03	--	--	100
ILO802X	Institute Level Optional Course II	20	20	20	80	03	--	--	100
ECL801	RF Design Lab	--	--	--	--	--	25	25	50
ECL802	Wireless Networks Lab	--	--	--	--	--	25	25	50
ECLDLO 804X	Department Level Optional Lab IV	--	--	--	--	--	25	25	50
ECL803	Project-II	--	--	--	--	--	100	50	150
Total				80	320		175	125	700

Course Code	Department Level Elective Course IV	Course Code	Institute Level Elective Course II [#]
ECCDLO8041	Optical Networks	ILO8021	Project Management
ECCDLO8042	Advanced Digital Signal Processing	ILO8022	Finance Management
ECCDLO8043	Satellite Communication	ILO8023	Entrepreneurship Development and Management
ECCDLO8044	Network management in Telecommunication	ILO8024	Human Resource Management
		ILO8025	Professional Ethics and CSR
		ILO8026	Research Methodology
		ILO8027	IPR and Patenting
		ILO8028	Digital Business Management
		ILO8029	Environmental Management

Common with all branches




Syllabus Structure

Rev 2016

Chemical Engineering



University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2016)
S.E. Semester III (w.e.f 2017-2018)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC301	Applied Mathematics-III	3	-	1	3	-	1	4
CHC302	Engineering Chemistry I	4	-	-	4	-	-	4
CHC303	Fluid Flow Operations (FFO)	4	-	-	4	-	-	4
CHC304	Chemical Engineering Thermodynamics I	3	-	1	3	-	1	4
CHC305	Process Calculations	3	-	1	3	-	1	4
CHC306	Chemical Technology	4	-	-	4	-	-	4
CHL301	Engineering Chemistry-I Lab	-	3	-	-	1.5	-	1.5
CHL302	Chemical Engineering Lab I (FFO)	-	3	-	-	1.5	-	1.5
CHL303	Chemical Engineering Lab II (Synthesis)	-	2	-	-	1	-	1
Total		21	8	3	21	4	3	28

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC301	Applied Mathematics-III	20	20	20	80	3	25	-	-	125
CHC302	Engineering Chemistry I	20	20	20	80	3	-	-	-	100
CHC303	Fluid Flow (FF)	20	20	20	80	3	-	-	-	100
CHC304	Chemical Engineering Thermodynamics I	20	20	20	80	3	25	-	-	125
CHC305	Process Calculations	20	20	20	80	3	25	-	-	125
CHC306	Chemical Technology	20	20	20	80	3	-	-	-	100
CHL301	Engineering Chemistry-I Lab	-	-	-	-	3	-	25	-	25
CHL302	Chemical Engineering Lab I (FFO)	-	-	-	-	3	25	25	-	50
CHL303	Chemical Engineering Lab II (Synthesis)	-	-	-	-	-	25	-	25	50
	Total			120	480	-	125	50	25	800

University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2016)
S.E. Semester IV (w.e.f 2017-2018)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC401	Applied Mathematics-IV	3	-	1	3	-	1	4
CHC402	Engineering Chemistry II	4	-		4	-	-	4
CHC403	Chemical Engineering Thermodynamics II	3	-	1	3	-	1	4
CHC404	Solid Fluid Mechanical Operations (SFMO)	4	-	-	4	-	-	4
CHC405	Mechanical Equipment Design (MED)	4	-	-	4	-	-	4
CHC406	Chemical Engineering Economics	3	-	1	3	-	1	4
CHL401	Engineering Chemistry-II Lab	-	3	-	-	1.5	-	1.5
CHL402	Chemical Engineering Lab III (SFMO)	-	3	-	-	1.5	-	1.5
CHL403	MED Lab	-	2	-	-	1	-	1
	Total	21	8	2	21	4	3	28

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC401	Applied Mathematics-IV	20	20	20	80	3	25	-	-	125
CHC402	Engineering Chemistry II	20	20	20	80	3	-	-	-	100
CHC403	Chemical Engineering Thermodynamics II	20	20	20	80	3	25	-	-	125
CHC404	Solid Fluid Mechanical Operations (SFMO)	20	20	20	80	3	-	-	-	100
CHC405	Mechanical Equipment Design (MED)	20	20	20	80	3	-	-	-	100
CHC406	Chemical Engineering Economics	20	20	20	80	3	25	-	-	125
CHL401	Engineering Chemistry-II Lab	-	-	-	-	3	-	25	-	25
CHL402	Chemical Engineering Lab III (SFMO)	-	-	-	-	3	25	25	-	50
CHL403	MED Lab	-	-	-	-	-	25	-	25	50
	Total			120	480	-	125	50	25	800




University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2016)
T.E. Semester V (w.e.f 2018-2019)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC501	Computer programming and Numerical Methods	4	-	-	4	-	-	4
CHC502	Mass transfer Operations-I (MTO- I)	4	-	-	4	-	-	4
CHC503	Heat transfer Operations (HTO)	4	-	-	4	-	-	4
CHC504	Chemical Reaction Engineering-I (CRE I)	4	-	-	4	-	-	4
CHC505	Business Communication & Ethics	2	-	2	-	-	2	2
CHDE501X	Department Elective I	4	-	-	4	-	-	4
CHL501	Computer programming and Numerical Methods lab	-	2	-	-	1	-	1
CHL502	Chemical Engineering Lab IV (MTO-I)	-	3	-	-	1.5	-	1.5
CHL503	Chemical Engineering Lab V (HTO)	-	3	-	-	1.5	-	1.5
CHL504	Chemical Engineering Lab VI (CRE-I)	-	2	-	-	1	-	1
Total		20	14	-	20	5	2	27

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC501	Computer programming and Numerical Methods	20	20	20	80	3	-	-	-	100
CHC502	Mass transfer Operations-I (MTO- I)	20	20	20	80	3		-	-	100
CHC503	Heat transfer Operations (HTO)	20	20	20	80	3		-	-	100
CHC504	Chemical Reaction Engineering-I (CRE I)	20	20	20	80	3		-	-	100
CHC505	Business Communication & Ethics	-	-	-	-	-	50	-	-	50
CHDE501X	Department Elective I	20	20	20	80	3		-	-	100
CHL501	Computer programming and Numerical Methods Lab	-	-	-	-	2	25	25	-	50
CHL502	Chemical Engineering Lab IV (MTO-I)	-	-	-	-	3	25	25	-	50
CHL503	Chemical Engineering Lab V (HTO)	-	-	-	-	3	25	25	-	50
CHL504	Chemical Engineering Lab VI (CRE-I)	-	-	-	-	2	25	25	-	50
	Total			100	400	-	150	100	-	750

Department Elective I (Sem V)		
Engineering Stream (Elective Code)	Advanced Sciences Stream (Elective code)	Technology Stream (Elective Code)
1. Piping Engineering (CHDE5011) 2. Instrumentation (CHDE5014)	1. Colloids and Interfaces (CHDE5012)	1. Advanced Material Sciences (CHDE5013)

University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2016)
T.E. Semester VI (w.e.f 2018-2019)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC601	Environmental Engineering (EE)	4	-	-	4	-	-	4
CHC602	Mass transfer Operations –II (MTO-II)	4	-	-	4	-	-	4
CHC603	Transport Phenomenon	3	-	1	3	-	1	4
CHC604	Chemical Reaction Engineering –II (CRE- II)	4	-	-	4	-	-	4
CHC605	Plant Engineering & Industrial Safety	3	-	1	3	-	1	4
CHDE602X	Department Elective II	4	-	-	4	-	-	4
CHL601	Chemical Engineering Lab VII (EE)	-	3	-	-	1.5	-	1.5
CHL602	Chemical Engineering Lab VIII (MTO-II)	-	3	-	-	1.5	-	1.5
CHL603	Chemical Engineering Lab IX (CRE-II)	-	2	-	-	1	-	1
Total		22	8	2	22	4	2	28

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC601	Environmental Engineering (EE)	20	20	20	80	3	-	-	-	100
CHC602	Mass transfer Operations –II (MTO-II)	20	20	20	80	3	-	-	-	100
CHC603	Transport Phenomenon	20	20	20	80	3	25	-	-	125
CHC604	Chemical Reaction Engineering –II (CRE- II)	20	20	20	80	3	-	-	-	100
CHC605	Plant Engineering & Industrial Safety	20	20	20	80	3	25	-	-	125
CHDE602X	Department Elective II	20	20	20	80	3	-	-	-	100
CHL601	Chemical Engineering Lab VII (EE)	-	-	-	-	3	25	25		50
CHL602	Chemical Engineering Lab VIII (MTO-II)	-	-	-	-	3	25	25	-	50
CHL603	Chemical Engineering Lab IX CRE-II)	-	-	-	-	2	25	25	-	50
	Total			120	480	-	125	75	--	800

Department Elective II (Sem VI)									
Engineering Stream (Elective Code)			Management Stream (Elective Code)			Technology Stream (Elective Code)			
1. Computational Fluid Dynamics (CHDE6021)			1. Operation Research (CHDE6022)			1. Biotechnology (CHDE6023)			

University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2016)
B.E. Semester VII (w.e.f 2019-2020)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC701	Process Equipment Design. (PED)	4	-	-	4	-	-	4
CHC702	Process Engineering	3	-	1	3	-	1	4
CHC703	Process Dynamics and Control (PDC)	4	-	-	4	-	-	4
CHDE703X	Department Elective III	4	-	-	4	-	-	4
ILO701X	Institute Elective I	3	-	-	3	-	-	3
CHP701	Project A	-	-	8	-	-	3	3
CHS701	Seminar	-	-	3	-	-	3	3
CHL701	PED Lab	-	3	-	-	1.5	-	1.5
CHL702	Chemical Engineering Lab X (PDC)	-	3	-	-	1.5	-	1.5
Total		18	6	12	18	3	7	28

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC701	Process Equipment Design. (PED)	20	20	20	80	3	-	-	-	100
CHC702	Process Engineering	20	20	20	80	3	25	-	-	125
CHC703	Process Dynamics and Control (PDC)	20	20	20	80	3	-	-	-	100
CHDE703X	Department Elective III	20	20	20	80	3	-	-	-	100
ILO701X	Institute Elective I	20	20	20	80	3	-	-	-	100
CHP701	Project A	-	-	-	-	-	100		25	125
CHS701	Seminar	-	-	-	-	-	50	-	-	50
CHL701	PED Lab	-	-	-	-	-	25	-	25	50
CHL702	Chemical Engineering Lab X (PDC)	-	-	-	-	3	25	25	-	50
	Total			100	400	-	225	25	50	800

Department Elective III (Sem VII)		
Engineering Stream (Elective Code)	Management Stream (Elective Code)	Technology Stream (Elective Code)
1. Corrosion Engineering (CHDE7031)	2. Industrial organization and Management. (CHDE7032)	1. Petroleum Refining Technology (CHDE7033) 3. Food Technology (CHDE7034)

Institute Level Optional Subject I (Sem VII)		
1. Product Lifecycle Management (ILO7011)	4. Design of Experiments (ILO7014)	7. Disaster Management and Mitigation Measures (ILO7017)
2. Reliability Engineering (ILO7012)	5. Operation Research (ILO7015)	8. Energy Audit and Management (ILO7018)
3. Management Information System (ILO7013)	6. Cyber Security and Laws (ILO7016)	9. Development Engineering (ILO7019)




University of Mumbai
Program Structure for B.E. Chemical Engineering (Revised 2016)
B.E. Semester VIII (w.e.f 2019-2020)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
CHC801	Modeling, Simulation & Optimization (MSO)	4	-	-	4	-	-	4
CHC802	Project Engineering & Entrepreneurship Management	3	-	1	3	-	1	4
CHC803	Energy System Design	3	-	1	3	-	1	4
CHDE804X	Department Elective IV	4	-	-	4	-	-	4
ILO802X	Institute Elective II	3	-	-	3	-	-	3
CHP801	Project B	-	-	8	-	-	6	6
CHL801	Chemical Engineering Lab XI (MSO)	-	2	-	-	1	-	1
Total		17	2	10	17	1	8	26

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract /Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
CHC801	Modeling, Simulation & Optimization (MSO)	20	20	20	80	3	-	-	-	100
CHC802	Project Engineering & Entrepreneurship Management	20	20	20	80	3	25	-	-	125
CHC803	Energy System Design	20	20	20	80	3	25	-	-	125
CHDE804X	Department Elective IV	20	20	20	80	3		-	-	100
ILO802X	Institute Elective II	20	20	20	80	3		-	-	100
CHP801	Project B	-	-	-	-	-	100	-	50	150
CHL801	Chemical Engineering Lab XI (MSO)	-	-	-	-	2	25	25	-	50
	Total			100	400	-	175	25	50	750

Department Elective IV (Sem VIII)		
Engineering Stream (Course Code)	Management Stream (Course Code)	Technology Stream (Course Code)
1. Advanced Process Control (CHDE8041)	1. Total Quality Management (CHDE8042)	1. Advanced Separation Technology (CHDE8043) 2. Polymer Technology (CHDE8044)

Institute Level Optional Subject II (Sem VIII)		
1. Project Management (ILO8021)	4. Human Resource Management (ILO8024)	7. IPR and Patenting (ILO8027)
2. Finance Management (ILO8022)	5. Professional Ethics and CSR (ILO8025)	8. Digital Business Management (ILO8028)
3. Entrepreneurship Development and Management (ILO8023)	6. Research Methodology (ILO8026)	9. Environmental Management (ILO8029)




Syllabus Structure

Rev 2016

Biomedical Engineering



**Program Structure for
TE Biomedical Engineering
University of Mumbai
(With effect from academic year 2018 - 19)**

Scheme for Semester V

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
BMC501	Diagnostic & Therapeutic Instruments	04	----	----	04	----	----	04
BMC502	Analog and Digital Circuit Design	04	----	----	04	----	----	04
BMC503	Principles of Communication Engineering	04	----	----	04	----	----	04
BMC504	Biomedical Digital Signal Processing	04	----	----	04	----	----	04
BMDLO501X	Department Level Optional Course – I	04	----	----	04	----	----	04
BML501	Business Communication and Ethics	----	02*+02	----	----	02	----	02
BML502	Diagnostic and Therapeutic Instruments	----	02	----	----	01	----	01
BML503	Integrated and Communication Circuit Design	----	02	----	----	01	----	01
BML504	Biomedical Digital Signal Processing	----	02	----	----	01	----	01
BMDLL501X	Department Level Optional Course Laboratory – I	----	02	----	----	01	----	01
Total		20	12	----	20	06	----	26

***2 hrs theory shall be taught to the entire class.**

Examination Scheme for Semester V

Course Code	Course Name	Examination Scheme												Total Marks
		Theory				Term work	Practical	Oral	Pract./Oral					
		External (UA)		Internal (CA)										
		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
BMC501	Diagnostic & Therapeutic Instruments	80	32	20	8	---	---	---	---	---	---	---	---	100
BMC502	Analog and Digital Circuit Design	80	32	20	8	---	---	---	---	---	---	---	---	100
BMC503	Principles of Communication Engineering	80	32	20	8	---	---	---	---	---	---	---	---	100
BMC504	Biomedical Digital Signal Processing	80	32	20	8	---	---	---	---	---	---	---	---	100
BMDLO 501X	Department Level Optional Course – I	80	32	20	8	---	---	---	---	---	---	---	---	100
BML501	Business Communication and Ethics	---	---	---	---	50	20	---	---	---	---	---	---	50
BML502	Diagnostic and Therapeutic Instruments	---	---	---	---	25	10	---	---	25	10	---	---	50
BML503	Integrated and Communication Circuit Design	---	----	---	---	25	10	25	10	---	---	---	---	50
BML504	Biomedical Digital Signal Processing	---	---	---	---	25	10	---	---	---	---	25	10	50
BMDLL 501X	Department Level Optional Course Laboratory – I	---	---	---	---	25	10	---	---	25	10	---	---	50
Total		400	160	100	40	150	60	25	10	50	20	25	10	750

**Program Structure for
B.E. Biomedical Engineering
University of Mumbai
(With effect from academic year 2019 - 20)**

Scheme for Semester VII

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
BMC701	Life Saving and Surgical Equipment	04	----	----	04	----	----	04
BMC702	Basics of VLSI	04	----	----	04	----	----	04
BMC703	Medical Imaging-II	04	----	----	04	----	----	04
BMDLO703X	Department Level Optional Course – III	04	----	----	04	----	----	04
ILO101X	Institute Level Optional Course – I	03	----	----	03	----	----	03
BML701	Life Saving and Surgical Equipment	----	02	----	----	01	----	01
BML702	Basics of VLSI	----	02	----	----	01	----	01
BML703	Medical Imaging-II	----	02	----	----	01	----	01
BMDLL703X	Department Level Optional Course Laboratory – III	----	02	----	----	01	----	01
BML704	Project Stage I	----	06	----	----	03	----	03
Total		19	14	----	19	07	----	26

Examination Scheme for Semester VII

Course Code	Course Name	Examination Scheme												Total Marks
		Theory				Term work		Practical		Oral		Pract./Oral		
		External		Internal										
		(UA)		(CA)		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
BMC701	Life Saving and Surgical Equipment	80	32	20	8	---	---	---	---	---	---	---	---	100
BMC702	Basics of VLSI	80	32	20	8	---	---	---	---	---	---	---	---	100
BMC703	Medical Imaging-II	80	32	20	8	---	---	---	---	---	---	---	---	100
BMDLO 703X	Department Level Optional Course - III	80	32	20	8	---	---	---	---	---	---	---	---	100
ILE101X	Institute Level Optional Course – I	80	32	20	8	---	---	---	---	---	---	---	---	100
BML701	Life Saving and Surgical Equipment	---	---	---	---	25	10	---	---	25	10	---	---	50
BML702	Basics of VLSI	---	---	---	---	25	10	---	---	25	10	---	---	25
BML703	Medical Imaging-II	---	---	---	---	25	10	---	---	25	10	---	---	50
BMDLL 703X	Department Level Optional Course Laboratory – III	---	---	---	---	25	10	---	---	25	10	---	---	25
BML704	Project Stage I	---	---	---	---	25	10	---	---	25	10	---	---	50
Total		400	160	100	40	125	50	---	---	125	50			700

Scheme for Semester VIII

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
BMC801	Biomedical Microsystems	04	----	----	04	----	----	04
BMC802	Hospital Management	04	----	----	04	----	----	04
BMDLO804X	Department Level Optional Course – IV	04	----	----	04	----	----	04
ILO202X	Institute Level Optional Course – II	03	----	----	03	----	----	03
BML801	Biomedical Microsystems	----	02	----	----	01	----	01
BML802	Hospital Management	----	02	----	----	01	----	01
BMDLL804X	Department Level Optional Course Laboratory – IV	----	02	----	----	01	----	01
BML803	Project Stage II	----	12	----	----	06	----	06
Total		15	18	----	15	09	----	24

Examination Scheme for Semester VIII

Course Code	Course Name	Examination Scheme												Total Marks
		Theory				Term work		Practical		Oral		Pract./Oral		
		External		Internal										
		(UA)		(CA)		Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	Max Marks	Min Marks	
BMC801	Biomedical Microsystems	80	32	20	8	---	---	---	---	---	---	---	---	100
BMC802	Hospital Management	80	32	20	8	---	---	---	---	---	---	---	---	100
BMDLO 801X	Department Level Optional Course - IV	80	32	20	8	---	---	---	---	---	---	---	---	100
ILO202X	Institute Level Optional Course –II	80	32	20	8	---	---	---	---	---	---	---	---	100
BML801	Biomedical Microsystems	---	---	---	---	25	10	---	---	25	10	---	---	50
BML802	Hospital Management	---	---	---	---	25	10	---	---	25	10	---	---	50
BMDLL 801X	Department Level Optional Course Laboratory – IV	---	---	---	---	25	10	---	---	25	10	---	---	25
BML803	Project Stage II	---	---	---	---	50	20	---	---	---	---	50	20	100
Total		320	128	80	32	125	50	---	---	75	30	50	20	625

Course Code	Department level Optional Course – III
BMDLO7031	Networking and Information in Medical System
BMDLO7032	Advanced Image Processing
BMDLO7033	Embedded Systems

Course Code	Department level Optional Course – IV
BMDLO8041	Health Care Informatics
BMDLO8042	Robotics in Medicine
BMDLO8043	Nuclear Medicine

Course Code	Institute level Optional Course – I
ILO1011	Product Lifecycle Management
ILO1012	Reliability Engineering
ILO1013	Management Information System
ILO1014	Design of Experiments
ILO1015	Operation Research
ILO1016	Cyber Security and Laws
ILO1017	Disaster Management and Mitigation Measures
ILO1018	Energy Audit and Management

Course Code	Institute level Optional Course - II
ILO2021	Project Management
ILO2022	Finance Management
ILO2023	Entrepreneurship Development and Management
ILO2024	Human Resource Management
ILO2025	Professional Ethics and Corporate Social Responsibility (CSR)
ILO2026	Research Methodology
ILO2027	IPR and Patenting
ILO2028	Digital Business Management
ILO2029	Environmental Management




Syllabus Structure

Rev 2016

Biotechnology



University of Mumbai
Program Structure for B.E. Biotechnology (Revised 2016)
S.E. Semester III (w.e.f 2017-2018)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
BTC301	Applied Mathematics-III	3	-	1	3	-	1	4
BTC302	Microbiology	4	-	-	4	-	-	4
BTC303	Cell Biology	3	-	1	3	-	1	4
BTC304	Biochemistry	4	-	-	4	-	-	4
BTC305	Unit Operations-I	3	-	-	3	-	-	3
BTC306	Process Calculations	3	-	1	3	-	1	4
BTL301	Microbiology Lab	-	3	-	-	1.5	-	1.5
BTL302	Biochemistry Lab	-	3	-	-	1.5	-	1.5
BTL303	Unit Operations-I Lab	-	2	-	-	1	-	1
Total		20	8	3	20	4	3	27

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract/ Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
BTC301	Applied Mathematics-III	20	20	20	80	3	25	-	-	125
BTC302	Microbiology	20	20	20	80	3	-		-	100
BTC303	Cell Biology	20	20	20	80	3	25	-	-	125
BTC304	Biochemistry	20	20	20	80	3	-		-	100
BTC305	Unit Operations-I	20	20	20	80	3		-	-	100
BTC306	Process Calculations	20	20	20	80	3	25	-	-	125
BTL301	Microbiology Lab							25		25
BTL302	Biochemistry Lab							25		25
BTL303	Unit Operations-I Lab								25	25
	Total			120	480	-	75	50	25	750




University of Mumbai
Program Structure for B.E. Biotechnology (Revised 2016)
S.E. Semester IV (w.e.f 2017-2018)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
BTC401	Applied Mathematics-IV	3	-	1	3	-	1	4
BTC402	Molecular Genetics	3	-	1	3	-	1	4
BTC403	Fermentation Technology	4		-	4		-	4
BTC404	Analytical Methods in Biotechnology	4	-	-	4	-	-	4
BTC405	Immunology and Immunotechnology	3	-	1	3	-	1	4
BTC406	Unit Operations -II	3		-	3		-	3
BTL401	Fermentation Technology Lab	-	3	-		1.5	-	1.5
BTL402	Analytical Methods in Biotechnology Lab	-	3	-		1.5	-	1.5
BTL403	Unit Operations –II Lab	-	2	-		1	-	1
	Total	20	8	3	20	4	3	27

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract/ Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
BTC401	Applied Mathematics-IV	20	20	20	80	3	25	-	-	125
BTC402	Molecular Genetics	20	20	20	80	3	25	-	-	125
BTC403	Fermentation Technology	20	20	20	80	3	-		-	100
BTC404	Analytical Methods in Biotechnology	20	20	20	80	3	-	-	-	100
BTC405	Immunology and Immunotechnology	20	20	20	80	3	25	-	-	125
BTC406	Unit Operations -II	20	20	20	80	3	-	-	-	100
BTL401	Fermentation Technology Lab		-	-	-	3	-	25		25
BTL402	Analytical Methods in Biotechnology Lab	-	-	-	-	3	-	25	-	25
BTL403	Unit Operations –II Lab	-	-	-	-	-	-	-	25	25
	Total			120	480	-	75	50	25	750

University of Mumbai
Program Structure for B.E. Biotechnology (Revised 2016)
T.E. Semester V (w.e.f 2018-2019)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
BTC501	Bioinformatics	4	-	-	4	-	-	4
BTC502	Genetic Engineering	4	-	-	4	-	-	4
BTC503	Thermodynamics and Biochemical Engineering	3	-	1	3	-	1	4
BTC504	Bioreactor Analysis and Technology	3	-	1	3	-	1	4
BTC505	Business Communication and Ethics	2	-	2	-	-	2	2
BTE501X	Elective I	3	-	1	3	-	1	4
BTL501	Bioinformatics Lab	-	2	-	-	1	-	1
BTL502	Genetic Engineering Lab		3			1.5		1.5
BTL503	Lab I		3			1.5		1.5
Total		17	12	3	17	6	3	26

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract/Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
BTC501	Bioinformatics	20	20	20	80	3	-		-	100
BTC502	Genetic Engineering	20	20	20	80	3			-	100
BTC503	Thermodynamics and Biochemical Engineering	20	20	20	80	3	25	-	-	125
BTC504	Bioreactor Analysis and Technology	20	20	20	80	3	25	-	-	125
BTC505	Business Communication and Ethics	-	-	-	-	-	50	-		50
BTE501X	Department Elective I	20	20	20	80	3	25	-	-	125
BTL501	Bioinformatics Lab					2		25		25
BTL502	Genetic Engineering Lab					3		25		25
BTL503	Lab I	-	-	-	-	3		25	-	25
	Total			100	400	-	125	75	-	700

Department Elective I (Sem V)		
Engineering Stream	Advanced Science Stream	Technology Stream
1. Biosensors and Diagnosis (BTE5011)	1. Biophysics (BTE5012) 2. Biostatistics (BTE5013)	1. Pharmaceutical Technology (BTE5014)

University of Mumbai
Program Structure for B.E. Biotechnology (Revised 2016)
T.E. Semester VI (w.e.f 2018-2019)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
BTC601	Food Technology	3	-	1	3	-	1	4
BTC602	Cell & Tissue Culture	4	-	-	4	-	-	4
BTC603	Enzyme Engineering	4	-	-	4	-	-	4
BTC604	IPR, Bioethics and Bio safety	3	-	1	3	-	1	4
BTC605	Process Control & Instrumentation	3	-	1	3	-	1	4
BTE602X	Elective-II	3	-	1	3	-	1	4
BTL601	Lab-II	-	3	-	-	1.5	-	1.5
BTL602	Lab-III	-	3	-	-	1.5	-	1.5
	Total	20	6	4	20	3	4	27

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract/ Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
BTC601	Food Technology	20	20	20	80	3	25	-	-	125
BTC602	Cell & Tissue Culture	20	20	20	80	3	-	-	-	100
BTC603	Enzyme Engineering	20	20	20	80	3	-	-	-	100
BTC604	IPR, Bioethics and Bio safety	20	20	20	80	3	25	-	-	125
BTC605	Process Control & Instrumentation	20	20	20	80	3	25	-	-	125
BTE602X	Elective-II	20	20	20	80	3	25	-	-	125
BTL601	Lab-II	-	-	-	-	3	-	25		25
BTL602	Lab-III	-	-	-	-	3	-	25	-	25
	Total			120	480	-	100	50	--	750

Department Elective II (Sem VI)		
Engineering Stream	Advanced Science Stream	Technology Stream
1. Computational Fluid Dynamics (BTE6021)	1. Protein Engineering (BTE6022) 2. Cancer Biology (BTE6023)	1. Green technology (BTE6024)

University of Mumbai
Program Structure for B.E. Biotechnology (Revised 2016)
B.E. Semester VII (w.e.f 2019-2020)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
BTC701	Bioseparation & Downstream Processing Technology-I	4	-	1	4	-	1	5
BTC702	Bioprocess Modelling and Simulation	4	-	1	4	-	1	5
BTC703	Agriculture Biotechnology	3	-	1	3	-	1	4
BTE703X	Department Elective III	3	-	1	3	-	1	4
ILO701X	Institute Level optional Subject I	3	-	-	3	-	-	3
BTP701	Project A	-	-	6	-	-	3	3
BTL701	Lab - IV	-	3	-	-	1.5	-	1.5
BTL702	Lab - V	-	3	-	-	1.5	-	1.5
Total		17	6	10	17	3	7	27

Course code	Course Name	Examination Scheme							
		Theory					Term Work	Pract/Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)			
		Test 1	Test 2	Avg					
BTC701	Bioseparation & Downstream Processing Technology-I	20	20	20	80	3	25	-	125
BTC702	Bioprocess Modelling and Simulation	20	20	20	80	3	25	-	125
BTC703	Agriculture Biotechnology	20	20	20	80	3	25	-	125
BTE703X	Department Elective III	20	20	20	80	3	25	-	125
ILO701X	Institute Level optional Subject I	20	20	20	80	3	-	-	100
BTP701	Project A	-	-	-	-	-	100	50	150
BTL701	Lab - IV	-	-	-	-	-	-	25	25
BTL702	Lab - V	-	-	-	-	-	-	25	25
Total				100	400	-	200	50	800

Department Elective III (Sem VII)		
Engineering Stream	Advanced Science Stream	Technology Stream
1. Stem Cell & Tissue Engineering (BTE7031)	1. Operation research in Biotechnology (BTE7032) 2. Project Management (BTE7033)	1. Nanotechnology (BTE7034)

Institute Level Optional Subject I (Sem VII)		
1. Product Lifecycle Management (ILO7011)	4. Design of Experiments (ILO7014)	7. Disaster Management and Mitigation Measures (ILO7017)
2. Reliability Engineering (ILO7012)	5. Operation Research (ILO7015)	8. Energy Audit and Management (ILO7018)
3. Management Information System (ILO7013)	6. Cyber Security and Laws (ILO7016)	9. Development Engineering (ILO7019)

University of Mumbai
Program Structure for B.E. Biotechnology (Revised 2016)
B.E. Semester VIII (w.e.f 2019-2020)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
BTC801	Environmental Biotechnology	4	-	-	4	-	-	4
BTC802	Bioseperation & Downstream Processing technology-II	4	-	-	4	-	-	4
BTC803	Bioprocess Plant & Equipment design	3	-	1	3	-	1	4
BTE804X	Department Elective IV	3	-	1	3	-	1	4
ILO802X	Institute Level optional Subject II	3	-	-	3	-	-	3
BTP801	Project B	-	-	8	-	-	6	6
BTL801	Lab - VI	-	3	-	-	1.5	-	1.5
BTL802	Lab - VII	-	3	-	-	1.5	-	1.5
Total		17	6	10	17	3	8	28

Course code	Course Name	Examination Scheme							
		Theory				Term Work	Pract/Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)			
		Test 1	Test 2	Avg					
BTC801	Environmental Biotechnology	20	20	20	80	3	-	-	100
BTC802	Bioseperation & Downstream Processing technology-II	20	20	20	80	3	-	-	100
BTC803	Bioprocess Plant & Equipment design	20	20	20	80	3	25	-	125
BTE804X	Department Elective IV	20	20	20	80	3	25	-	125
ILO802X	Institute Level optional Subject II	20	20	20	80	3	-	-	100
BTP801	Project B	-	-	-	-	-	100	-	150
BTL801	Lab - VI	-	-	-	-	3	-	25	25
BTL802	Lab - VII	-	-	-	-	3	-	25	25
Total				100	400	-	150	50	750

Department Elective IV (Sem VIII)		
Engineering Stream	Advanced Science Stream	Technology Stream
1. Non-conventional Sources of Energy (BTE8041)	1. Total Quality Management (BTE8042) 2. Entrepreneurship (BTE8043)	1. Advanced Bioinformatics (BTE8044)

Institute Level Optional Subject II (Sem VIII)		
1. Project Management (ILO8021)	4. Human Resource Management (ILO8024)	7. IPR and Patenting (ILO8027)
2. Finance Management (ILO8022)	5. Professional Ethics and CSR (ILO8025)	8. Digital Business Management (ILO8028)
3. Entrepreneurship Development and Management (ILO8023)	6. Research Methodology (ILO8026)	9. Environmental Management (ILO8029)

University of Mumbai
Program Structure for B.E. Biotechnology (Revised 2016)
S.E. Semester III (w.e.f 2017-2018)

Course code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			Total
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	
BTC301	Applied Mathematics-III	3	-	1	3	-	1	4
BTC302	Microbiology I	4	-	-	4	-	-	4
BTC303	Cell Biology	3	-	1	3	-	1	4
BTC304	Biochemistry	4	-	-	4	-	-	4
BTC305	Unit Operations-I	3	-	-	3	-	-	3
BTC306	Process Calculations	3	-	1	3	-	1	4
BTL301	Microbiology Lab	-	3	-	-	1.5	-	1.5
BTL302	Biochemistry Lab	-	3	-	-	1.5	-	1.5
BTL303	Unit Operations-I Lab	-	2	-	-	1	-	1
	Total	20	8	3	20	4	3	27

Course code	Course Name	Examination Scheme								
		Theory					Term Work	Pract/ Oral	Oral	Total
		Internal Assessment			End Sem Exam	Exam Duration (in hrs)				
		Test 1	Test 2	Avg						
BTC301	Applied Mathematics-III	20	20	20	80	3	25	-	-	125
BTC302	Microbiology I	20	20	20	80	3	-	-	-	100
BTC303	Cell Biology	20	20	20	80	3	25	-	-	125
BTC304	Biochemistry	20	20	20	80	3	-	-	-	100
BTC305	Unit Operations-I	20	20	20	80	3	--	-	-	100
BTC306	Process Calculations	20	20	20	80	3	25	-	-	125
BTL301	Microbiology Lab	-	-	-	-	3	--	25	-	25
BTL302	Biochemistry Lab	-	-	-	-	3	--	25	-	25
BTL303	Unit Operations-I Lab	-	-	-	-	-	--	-	25	25
	Total			120	480	-	75	50	25	750

Syllabus Structure

Rev 2012

Computer Engineering



Program Structure B.E. Computer Engineering
Fourth Year (Computer) (Semester VII)
(REV 2012)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/Pract	Tut	Total
CPC701	Digital Signal Processing	4	2	-	4	1	-	5
CPC702	Cryptography and System Security	4	2	-	4	1	-	5
CPC703	Artificial Intelligence	4	2	-	4	1	-	5
CPE7042X	Elective-II	4	2	-	4	1	-	5
CPP701	Project I	-	6#	-	-	3	-	3
CPL701	Network Threats and Attacks Laboratory	-	4	-	-	2	-	2
	Total	16	18	-	16	9	-	25

Course Code	Course Name	Examination Scheme							
		Internal Assesment							
		Internal Assesment			End Sem Exam	Exam Duration (in Hrs)	TW	oral	Total
		Test 1	Test 2	Avg					
CPC701	Digital Signal Processing	20	20	20	80	03	25	-	125
CPC702	Cryptography and System Security	20	20	20	80	03	25	25	150
CPC703	Artificial Intelligence	20	20	20	80	03	25	25	150
CPE7042X	Elective-II	20	20	20	80	03	25	25	150
CPP701	Project I	-	-	-	-	-	50	50	100
CPL701	Network Threats and Attacks Laboratory	-	-	-	-	-	25	50	75
	Total	-	-	80	320	-	175	175	750

Program Structure for B.E. Computer Engineering
Second Year (Computer) (Semester VIII)
(REV 2012)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tu t	Theory	TW/ Pract	Tut	Total
CPC801	Data Warehouse and Mining	4	2	-	4	1	-	5
CPC802	Human Machine Interaction	4	2	-	4	1	-	5
CPC803	Parallel and distributed Systems	4	2	-	4	1	-	5
CPE803X	Elective-III	4	2	-	4	1	-	5
CPP802	Project II	-	12 #	-	-	6	-	6
CPL801	Cloud Computing Laboratory	-	2	-	-	1	-	1
	Total	16	22	-	16	11	-	27

Course Code	Course Name	Examination Scheme							
		Internal Assesment							
		Internal Assesment			End Sem Exam	Exam Duration (in Hrs)	TW	oral	Tot
		Test 1	Test 2	Avg					
CPC801	Data Warehouse and Mining	20	20	20	80	03	25	25	150
CPC802	Human Machine Interaction	20	20	20	80	03	25	25	150
CPC803	Parallel and distributed Systems	20	20	20	80	03	25	25	150
CPE803X	Elective-III	20	20	20	80	03	25	25	150
CPP802	Project II	-	-	-	-	-	50	50	100
CPL801	Cloud Computing Laboratory	-	-	-	-	-	25	-	25
	Total			80	320		175	150	725

Indicate workload for Learner and not for Faculty in semester VII and VIII




Elective II Sem 7

System Group	CPE7021	Advance Algorithms
	CPE7022	Computer Simulation and Modeling
Electronics Group	CPE7023	Image Processing
Software Group	CPE7024	Software Architecture
	CPE7025	Soft Computing
DB Group	CPE7026	ERP and Supply Chain Management

Elective III - Sem 8

Electronics Group	CPE8031	Machine Learning
Digital Group	CPE8032	Embedded Systems
Network Group	CPE8033	Adhoc wireless networks
	CPE8034	Digital Forensic
DB Group	CPE8035	Big data Analytics

Program Structure for B.E. Computer Engineering
Second Year (Computer) (Semester III)
(REV 2012)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/ Pract	Tut	Total
CSC301	Applied Mathematics III*	4	-	1#	4	-	1	5
CSC 302	Object Oriented Programming Methodolgy*	4	2	-	4	1	-	5
CSC303	Data Structures	4	2	-	4	1	-	5
CSC304	Digital Logic Design and Analysis	3	2	-	3	1	-	4
CSC305	Discrete Structures	4	-	-	4	-	-	4
CSC306	Electronic Circuits and Communication Fundamentals	4	2	-	4	1	-	5
	Total	23	8	1	23	4	1	28

Course Code	Course Name	Examination Scheme							
		Internal Assesment					TW	Pract / oral	Tot
		Internal Assesment			End Sem Exam	Exam Duration (in Hrs)			
		Test 1	Test 2	Avg					
CSC301	Applied Mathematics III*	20	20	20	80	03	25!	-	125
CSC302	Object Oriented Programming Methodolgy*	20	20	20	80	03	25	25	150
CSC303	Data Structures	20	20	20	80	03	25	25	150
CSC304	Digital Logic Design and Analysis	20	20	20	80	03	25	-	125
CSC305	Discrete Structures	20	20	20	80	03	-	-	100
CSC306	Electronic Circuits and Communication Fundamentals	20	20	20	80	03	25	25	150
	Total	-	-	120	480	-	125	75	750

* Common Subjects with IT # Tutorial to be taken class wise ! **Tutorials will be evaluated as Term work**

Program Structure for B.E. Computer Engineering
Second Year (Computer) (Semester IV)

(REV 2012)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/ Pract	Tut	Total
CSC401	Applied Mathematics IV*	4	-	1	4	-	1#	5
CSC402	Analysis of Algorithms	4	2	-	4	1	-	5
CSC403	Computer Organization and Architecture*	4	2	-	4	1	-	5
CSC404	Data Base Management systems	4	2	-	4	1	-	5
CSC405	Theoretical Computer Science	4	-	-	4	-	-	4
CSC406	Computer Graphics	3	2	-	3	1	-	4
	Total	23	8	1	23	4	1	28

Course Code	Course Name	Examination Scheme							
		Internal Assessment					TW	Prac / oral	Tot
		Internal Assessment			End Sem Exam	Exam Duration (in Hrs)			
		Test 1	Test 2	Avg					
CSC401	Applied Mathematics IV*	20	20	20	80	03	25!	-	125
CSC402	Analysis of Algorithms	20	20	20	80	03	25	25	150
CSC403	Computer Organization and Architecture*	20	20	20	80	03	25	25	150
CSC404	Data Base Management systems	20	20	20	80	03	25	25	150
CSC405	Theoretical Computer Science	20	20	20	80	03	-	-	100
CSC406	Computer Graphics	20	20	20	80	03	25	25	150
	Total	-	-	120	480	-	125	100	825

* Common Subjects with IT # Tutorial to be taken class wise

! Tutorials will be evaluated as Term work

Program Structure for B.E. Computer Engineering

Third Year (Computer)

(Semester V)

(REV 2012)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/ Pract	Tut	Total
CPC501	Microprocessor	4	2	-	4	1	-	5
CPC502	Operating Systems	4	2	-	4	1	-	5
CPC503	Structured and Object Oriented Analysis and Design	4	2	-	4	1	-	5
CPC504	Computer Networks	4	2	-	4	1	-	5
CPL501	Web Technologies Laboratory	-	4	-	-	2	-	2
CPL502	Business Communication and Ethics*	-	2	2	-	2	-	2
	Total	18	12	2	16	8	-	24

* 2 hours shown as Practicals to be taken class wise and 2 hours for tutorials to be taken as batch wise

Course Code	Course Name	Examination Scheme							
		Internal Assesment							
		Internal Assesment			End Sem Exam	Exam Duration (in Hrs)	TW	Oral / Pract	Total
		Test 1	Test 2	Avg					
CPC501	Microprocessor	20	20	20	80	03	25	25 prac	125
CPC502	Operating Systems	20	20	20	80	03	25	25 (prac	150
CPC503	Structured and Object Oriented Analysis and Design	20	20	20	80	03	25	25 (oral)	150
CPC504	Computer Networks	20	20	20	80	03	25	25 prac	150
CPL501	Web Technologies Laboratory	-	-	-	-	-	25	50 (oral)	75
CPL502	Business Communication and Ethics	-	-	-	-	-	50	-	50
	Total	-	-	80	320		175	150	725

Program Structure for B.E. Computer Engineering

Third Year (Computer) (Semester VI)

(REV 2012)

Course Code	Course Name	Teaching Scheme (Contact Hours)			Credits Assigned			
		Theory	Pract	Tut	Theory	TW/ Pract	Tut	Total
CPC601	System Programming and Compiler Construction	4	2	-	4	1	-	5
CPC602	Software Engineering	4	2	-	4	1	-	5
CPC603	Distributed Databases	4	2	-	4	1	-	5
CPC604	Mobile Communication and Computing	4	2	-	4	1	-	5
CPE6011	Elective-I	3	-	-	-	2	-	2
CPL601	Network Programming Laboratory	-	4	-	-	2	-	2
Total		19	12	-	16	8	-	24

Course Code	Course Name	Examination Scheme							
		Internal Assessment							
		Internal Assessment			End Sem Exam	Exam Duration (in Hrs)	TW	oral / pract	Tot
		Test 1	Test 2	Avg					
CPC601	System Programming and Compiler Construction	20	20	20	80	03	25	25 (pract)	150
CPC602	Software Engineering	20	20	20	80	03	25	25 (oral)	150
CPC603	Distributed Databases	20	20	20	80	03	25	25 (oral)	150
CPC604	Mobile Communication and Computing	20	20	20	80	03	25	25 (pract)	150
CPE601X	Elective-I	-	-	-	-	-	50	-	50
CPL601	Network Programming Laboratory	-	-	-	-	-	25	50 (oral)	75
Total		-	-	80	320	-	175	150	725

Elective I Sem 6**CPE6011 Operation Research****CPE6012 Project Management****CPE6013 Foreign Language – German****CPE6014 Foreign Language – French****Elective II Sem 7**

System Group	CPE7021	Advance Algorithms
	CPE7022	Computer Simulation and Modeling
Electronics Group	CPE7023	Image Processing
Software Group	CPE7024	Software Architecture
	CPE7025	Soft Computing
DB Group	CPE7026	ERP and Supply Chain Management

Elective III - Sem 8

Electronics Group	CPE8031	Machine Learning
Digital Group	CPE8032	Embedded Systems
Network Group	CPE8033	Adhoc wireless networks
	CPE8034	Digital Forensic
DB Group	CPE8035	Big data Analytics

Syllabus Structure

Rev 2012

Information Technology



B.E. Engineering (Semester VII)
Revised course for Information Technology
Academic Year 2015 -16 (REV- 2012)

Course Code	Course Name	Teaching Scheme (hrs/week)			Credits Assigned			
		Theory	Pract.	Tut.	Theory	TW/Prac	Tut.	Total
ITC701	Software Project Management	4			4			4
ITC702	Cloud Computing	3			3			3
ITC703	Intelligent System	4			4			4
ITC704	Wireless Technology	4			4			4
ITC705	Elective - I	4			4			4
ITL701	Software Project Management		2			1		1
ITL702	Cloud Computing		2			1		1
ITL703	Intelligent System		2			1		1
ITL704	Wireless Technology		2			1		1
ITT705	Elective - I		2			1		1
ITP706	Project-I		*			3		3
	Total	19	10		19	08		27

***Work load of the teacher in semester VII is equivalent to 6 hrs/week.**

Elective –I (Semester VII)	
ITC7051	Image Processing
ITC7052	Software Architecture
ITC7053	E-Commerce & E-Business
ITC7054	Multimedia Systems
ITC7055	Usability Engineering
ITC7056	Ubiquitous Computing

Examination Scheme

Course Code	Course Name	Theory					Term work	Pract/ Oral	Total
		Internal Assessment			End sem exam	Exam duration (in Hrs)			
		TEST 1	TEST 2	AVG.					
ITC701	Software Project Management	20	20	20	80	3	25	25	150
ITC702	Cloud Computing	20	20	20	80	3	25	25	150
ITC703	Intelligent System	20	20	20	80	3	25	25	150
ITC704	Wireless Technology	20	20	20	80	3	25	25	150
ITC705	Elective - I	20	20	20	80	3	25	25	150
ITP706	Project-I						25	25	050
	Total	100	100	100	400	15	150	150	800

B.E. Engineering (Semester VIII)
Revised course for Information Technology from
Academic Year 2015 -16, (REV- 2012)

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut.	Theory	TW/Pract	Tut.	Total
ITC801	Storage Network Management and Retrieval	4			4			4
ITC802	Big Data Analytics	4			4			4
ITC803	Computer Simulation and Modeling	4			4			4
ITC804	Elective -II	4			4			4
ITL801	Storage Network Management and Retrieval		2			1		1
ITL802	Big Data Analytics		2			1		1
ITL803	Computer Simulation and Modeling		2			1		1
ITL804	Elective -II		2			1		1
ITP805	Project - II		**			6		6
	Total	16	08		16	10		26

****Workload of the teacher in semester VIII is equivalent to 12 hrs/week.**

Elective –I I (Semester VIII)	
ITC8041	Enterprise Resource Planning
ITC8042	Wireless Sensor Networks
ITC8043	Geographical Information Systems
ITC8044	Robotics
ITC8045	Soft Computing
ITC8046	Software Testing & Quality Assurance

Examination Scheme

Course Code	Course Name	Theory					Term work	Pract/ Oral	Total
		Internal Assessment			End sem exam	Exam duration (in Hrs)			
		TEST 1	TEST 2	AVG .					
ITC801	Storage Network Management and Retrieval	20	20	20	80	3	25	25	150
ITC802	Big Data Analytics	20	20	20	80	3	25	25	150
ITC803	Computer Simulation and Modeling	20	20	20	80	3	25	25	150
ITC804	Elective -II	20	20	20	80	3	25	25	150
ITP805	Project - II						50	50	100
	Total	80	80	80	320	12	150	150	700

Preamble:

The engineering education in India in general is expanding in manifolds. Now, the challenge is to ensure its quality to the stakeholders along with the expansion. To meet this challenge, the issue of quality needs to be addressed, debated and taken forward in a systematic manner. Accreditation is the principal means of quality assurance in higher education and reflects the fact that in achieving recognition, the institution or program of study is committed and open to external review to meet certain minimum specified standards. The major emphasis of this accreditation process is to measure the outcomes of the program that is being accredited. Program outcomes are essentially a range of skills and knowledge that a student will have at the time of graduation from the program. In line with this Faculty of Technology of University of Mumbai has taken a lead in incorporating philosophy of outcome based education in the process of curriculum development.

I, as Chairman, Board of Studies in Information Technology of University of Mumbai, happy to state here that, Program Educational Objectives were finalized in a meeting where more than 30 members from different Institutes were attended, who were either Heads or their representatives of Information Technology Department. The Program Educational Objectives finalized for undergraduate program in Information Technology are listed below;

1. To prepare Learner's with a sound foundation in the basics of engineering fundamentals.
2. To prepare Learner's to use effectively modern programming tools to solve real life problems.
3. To prepare Learner's for successful career in Indian and Multinational Organisations and to excel in Postgraduate studies
4. To encourage and motivate Learner's for entrepreneurship.
5. To inculcate professional and ethical attitude, good leadership qualities and commitment to social responsibilities in Learners.
6. To encourage Learner to use best practices and implement technologies to enhance information security and enable compliance, ensuring confidentiality, information integrity, and availability.

In addition to Program Educational Objectives, for each course of undergraduate program, objectives and expected outcomes from learner's point of view are also included in the curriculum to support the philosophy of outcome based education. I believe strongly that small step taken in right direction will definitely help in providing quality education to the stake holders.

Dr. J. W. Bakal

**Chairman, Board of Studies in Information Technology
University of Mumbai, Mumbai**

University of Mumbai, Information Technology (semester V and VI) (Rev-2012)



Third Year Engineering (Semester V)
Revised course for Information Technology
Academic Year 2014-15 (REV- 2012)

Sub Code	Subject Name	Teaching Scheme (hrs/week)			Credits Assigned			
		Theory	Practical	Tut.	Theory	TW/ Practical	Tut.	Total
TEITC501	Computer Graphics and Virtual Reality	4			4			4
TEITC502	Operating Systems	4			4			4
TEITC503	Microcontroller and Embedded Systems	4			4			4
TEITC504	Advanced Database Management Systems	4			4			4
TEITC505	Open Source Technologies	3			3			3
TEITC506	Business Communication and Ethics*		2**+2			2		2
TEITL501	Computer Graphics and Virtual Reality		2			1		1
TEITL502	Operating Systems		2			1		1
TEITL503	Microcontroller and Embedded Systems		2			1		1
TEITL504	Advanced Database Management Systems		2			1		1
TEITL505	Open Source Technologies		2			1		1
	Total	19	12		19	07		26

***Common for all programs.**

****Theory class to be conducted for entire class.**

Note: During third year of engineering learners can be exposed to industrial environment by arranging an industrial visit.

Examination Scheme

University of Mumbai, Information Technology (semester V and VI) (Rev-2012)




Course Code	Course Name	Theory					Term work	Pract/ Oral	Total
		Internal Assessment			End sem exam	Exam duration (in Hrs)			
		TEST 1	TEST 2	AVG.					
TEITC501	Computer Graphics and Virtual Reality	20	20	20	80	3	25	25	150
TEITC502	Operating Systems	20	20	20	80	3	25	25	150
TEITC503	Microcontroller and Embedded Systems	20	20	20	80	3	25	25	150
TEITC504	Advanced Database Management Systems	20	20	20	80	3	25	25	150
TEITC505	Open Source Technologies	20	20	20	80	3	25	25	150
TEITC506	Business Communication and Ethics*	---	---	---	---	---	25	25	050
	Total	100	100	100	400	15	150	150	800

Third Year Engineering (Semester VI)
Revised course for Information Technology
Academic Year 2014 -15 (REV- 2012)

Subject Code	Subject Name	Teaching Scheme (hrs/week)			Credits Assigned			
		Theory	Practical	Tut.	Theory	TW/Pract.	Tut.	Total
TEITC601	Software Engineering	4			4			4
TEITC602	Distributed Systems	4			4			4
TEITC603	System and Web Security	4			4			4
TEITC604	Data Mining and Business Intelligence	4			4			4
TEITC605	Advance Internet Technology	4			4			4
TEITL601	Software Engineering		2			1		1
TEITL602	Distributed Systems		2			1		1
TEITL603	System and Web Security		2			1		1
TEITL604	Data Mining and Business Intelligence		2			1		1
TEITL605	Advance Internet Technology		2			1		1
	Total	20	10		20	05		25

Examination Scheme

Course Code	Course Name	Theory					Term work	Practical /Oral	Total
		Internal Assessment			End Sem exam	Exam duration (in Hrs)			
		TEST 1	TEST 2	AVG.					
TEITC601	Software Engineering	20	20	20	80	3	25	25	150
TEITC602	Distributed Systems	20	20	20	80	3	25	25	150
TEITC603	System & Web Security	20	20	20	80	3	25	25	150
TEITC604	Data Mining & Business Intelligence	20	20	20	80	3	25	25	150
TEITC605	Advance Internet Technology	20	20	20	80	3	25	25	150
	Total	100	100	100	400	15	125	125	750

S. E. (Information Technology) Sem.-III

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	TW/Pract	Tut	Total
SEITC301	Applied Mathematics – III *	4		1	4		1	5
SEITC302	Data Structure and Algorithm Analysis	4			4			5
SEITC303	Object Oriented Programming Methodology*	4			4			5
SEITC304	Analog and Digital Circuits	4			4			5
SEITC305	Database Management Systems	3			3			4
SEITC306	Principles of Analog and Digital Communication.	3			3			4
SEITL302	Data Structure and Algorithm Analysis		2			1		
SEITL303	Object Oriented Programming Methodology*		2			1		
SEITL304	Analog and Digital Circuits		2			1		
SEITL305	Database Management Systems		2			1		
SEITL306	Principles of Analog and Digital Communication		2			1		
	TOTAL	22	10	1	22	5	1	28

Examination Scheme

Course Code	Course Name	Theory					Term work	Pract /Oral	Total
		Internal Assessment			End sem exam	Exam duration (in Hrs)			
		TEST1	TEST 2	AVG.					
SEITC301	Applied Mathematics-III*	20	20	20	80	3	25	--	125
SEITC302	Data Structure & Algorithm Analysis	20	20	20	80	3	25	25	150
SEITC303	Object Oriented Programming Methodology*	20	20	20	80	3	25	25	150
SEITC304	Analog & Digital Circuits	20	20	20	80	3	25	25	150
SEITC305	Database Management Systems	20	20	20	80	3	25	25	150
SEITC306	Principles of Analog & Digital Communication.	20	20	20	80	3	25	25	150
	Total	120	120	120	480		150	125	875

* Common with Computer Engineering.
Tutorials will be evaluated as term work.

S. E. (Information Technology) Sem.-IV

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Th	Pract	Tut	Th.	Pract/	Tut	Total
SEITC401	Applied Mathematics-IV*	4		1	4		1	5
SEITC402	Computer Networks	4			4			5
SEITC403	Computer Organization and Architecture*	4			4			4
SEITC404	Automata Theory	3		1	3		1	4
SEITC405	Web Programming	4			4			5
SEITC406	Information Theory and Coding	4		1	4		1	5
SEITL402	Computer Networks		2			1		
SEITL405	Web Programming		2			1		
	Total	23	4	3	23	2	3	28

Examination Scheme

Course Code	Course Name	Theory					Term work	Pract/ Oral	Total
		Internal Assessment			END SEM EXAM	EXAM DURATION (in Hrs)			
		TEST1	TEST 2	AVG.					
SEITC401	Applied Mathematics-IV*	20	20	20	80	3	25	--	125
SEITC402	Computer Networks	20	20	20	80	3	25	25	150
SEITC403	Computer Organization and Architecture*	20	20	20	80	3	25	25	150
SEITC404	Automata Theory	20	20	20	80	3	25	--	125
SEITC405	Web Programming	20	20	20	80	3	25	25	150
SEITC406	Information Theory and Coding	20	20	20	80	3	25	--	125
	Total	120	120	120	480		150	75	825

* Common with Computer Engineering.

Tutorials will be evaluated as term work.

Syllabus Structure

Rev 2012

Chemical Engineering



University of Mumbai

Scheme for BE: Semester-VII

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
CHC701	Process Equipment Design (PED)	03	–	01	3.0	–	1.0	4.0
CHC702	Process Engineering	03	–	01	3.0	–	1.0	4.0
CHC703	Process Dynamics & Control (PDC)	03	–	01	3.0	–	1.0	4.0
CHE704	Elective – II	04	–	–	4.0	–	–	4.0
CHP705	Project – A	–	–	08	–	–	3.0	3.0
CHS706	Seminar	–	–	03	–	–	3.0	3.0
CHL707	Chemical Engg Lab (PED)	–	03	–	–	1.5	–	1.5
CHL708	Chemical Engg Lab (PDC)	–	03	–	–	1.5	–	1.5
Total		13	06	14	13.0	3.0	9.0	25.0

Examination Scheme

Subject Code	Subject Name	Examination Scheme							
		Theory marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1 (A)	Test 2 (B)	Avg.of (A) & (B)					
CHC701	Process Equipment Design (PED)	20	20	20	80	25	–	–	125
CHC702	Process Engineering	20	20	20	80	25	–	–	125
CHC703	Process Dynamics & Control (PDC)	20	20	20	80	25	–	–	125
CHE704	Elective – II	20	20	20	80	–	–	–	100
CHP705	Project – A	–	–	–	–	100	–	50	150
CHS706	Seminar	–	–	–	–	50	–	–	50
CHL707	Chemical Engg Lab (PED)	–	–	–	–	–	–	25	25
CHL708	Chemical Engg Lab (PDC)	–	–	–	–	–	25	25	50
Total				80	320	225	25	100	750

Elective Streams(CHE704)

Sem.	Management Stream	Technology Stream	Process System Engineering Stream
VII	High Performance Leadership	<ul style="list-style-type: none"> • Polymer Technology • Petroleum Refining Technology 	<ul style="list-style-type: none"> • Advanced Process Simulation

University of Mumbai

Scheme for BE: Semester-VIII

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
CHC801	Modelling, Simulation & Optimization (MSO)	03	–	01	3.0	–	1.0	4.0
CHC802	Project Engineering & Entrepreneurship Management	03	–	01	3.0	–	1.0	4.0
CHC803	Environmental Engineering (EE)	04	–	–	4.0	–	–	4.0
CHC804	Energy System Design	03	–	01	3.0	–	1.0	4.0
CHE805	Elective – III	04	–	–	4.0	–	–	4.0
CHP806	Project – B	–	–	08	–	–	6.0	6.0
CHL807	Chemical Engineering Lab (EE)	–	02	–	–	1.0	–	1.0
CHL808	Chemical Engg Lab (MSO)	–	02	–	–	1.0	–	1.0
Total		17	04	11	17.0	2.0	9.0	28.0

Examination Scheme

Subject Code	Subject Name	Examination Scheme							
		Theory marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1 (A)	Test 2 (B)	Avg.of (A) & (B)					
CHC801	Modelling, Simulation & Optimization (MSO)	20	20	20	80	25	–	–	125
CHC802	Project Engineering & Entrepreneurship Management	20	20	20	80	25	–	–	125
CHC803	Environmental Engineering (EE)	20	20	20	80	–	–	–	100
CHC804	Energy System Design	20	20	20	80	25	–	–	125
CHE805	Elective – III	20	20	20	80	–	–	–	100
CHP806	Project – B	–	–	–	–	100	–	50	150
CHL807	Chemical Engineering Lab (EE)	–	–	–	–	–	25	25	50
CHL808	Chemical Engg Lab (MSO)	–	–	–	–	–	25	–	25
Total				100	400	175	50	75	800

Elective Streams(CHE805)

Sem.	Management Stream	Technology Stream	Process System Engineering Stream
VIII	Total Quality Management	<ul style="list-style-type: none"> Advanced Separation Technology Biotechnology Nanotechnology 	<ul style="list-style-type: none"> Advanced Process Control Advanced Transport



University of Mumbai
Scheme for SE: Semester-III

Teaching Scheme

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tutorial	Theory	Pract	Tut	Total
CHC301	Applied Mathematics-III	03	-	01	3.0	-	1.0	4.0
CHC302	Engineering Chemistry-I	04	-	-	4.0	-	-	4.0
CHC303	Fluid Flow (FF)	03	-	01	3.0	-	1.0	4.0
CHC304	Computer Programming & Numerical Methods	03	-	01	3.0	-	1.0	4.0
CHC305	Process Calculations	03	-	01	3.0	-	1.0	4.0
CHC306	Chemical Engineering Economics	03	-	01	3.0	-	1.0	4.0
CHL307	Chem. Engg. Lab (FF)	-	03	-	-	1.5	-	1.5
CHL308	Engineering Chemistry Lab I	-	03	-	-	1.5	-	1.5
CHL309	Computer Programming & Numerical Methods Lab	-	02	-	-	1.0	-	1.0
Total		19	08	05	19	4.0	5.0	28

Examination Scheme

Subject Code	Subject Name	Examination Scheme							
		Theory Marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1	Test 2	Average of Test 1 and Test 2					
CHC301	Applied Mathematics-III	20	20	20	80	25	-	-	125
CHC302	Engineering Chemistry-I	20	20	20	80	-	-	-	100
CHC303	Fluid Flow (FF)	20	20	20	80	25	-	-	125
CHC304	Computer Programming & Numerical Methods	20	20	20	80	25	-	-	125
CHC305	Process Calculations	20	20	20	80	25	-	-	125
CHC306	Chemical Engineering Economics	20	20	20	80	25	-	-	125
CHL307	Chem. Engg. Lab (FF)	-	-	-	-	-	25	-	25
CHL308	Engineering Chemistry Lab I	-	-	-	-	-	25	-	25
CHL309	Computer Programming & Numerical Methods Lab	-	-	-	-	-	25	-	25
Total				120	480	125	75	-	800

University of Mumbai

Scheme for SE: Semester-IV

Teaching Scheme

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tutorial	Theory	Pract	Tut	Total
CHC401	Applied Mathematics-IV	03	-	1.0	3.0	-	1.0	4.0
CHC402	Engineering Chemistry-II	04	-	-	4.0	-	-	4.0
CHC403	Chemical Engg. Thermodynamics - I	03	-	1.0	3.0	-	1.0	4.0
CHC404	Material Science & Engineering	03	-	1.0	3.0	-	1.0	4.0
CHC405	Mechanical Equipment Design (MED)	03	-	1.0	3.0	-	1.0	4.0
CHC406	Solid Fluid Mechanical Operations (SFMO)	03	-	1.0	3.0	-	1.0	4.0
CHL407	Engineering Chemistry Lab II	-	03	-	-	1.5	-	1.5
CHL408	Chemical Engg Lab (SFMO)	-	03	-	-	1.5	-	1.5
CHL409	MED Lab	-	02	-	-	1.0	-	1.0
Total		19	08	05	19	4.0	5.0	28

Examination Scheme

Subject Code	Subject Name	Examination Scheme							
		Theory Marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1	Test 2	Average of Test 1 and Test 2					
CHC401	Applied Mathematics-IV	20	20	20	80	25	-	-	125
CHC402	Engineering Chemistry-II	20	20	20	80	-	-	-	100
CHC403	Chemical Engg. Thermodynamics – I	20	20	20	80	25	-	-	125
CHC404	Material Science Engineering	20	20	20	80	25	-	-	125
CHC405	Mechanical Equipment Design (MED)	20	20	20	80	25	-	-	125
CHC406	Solid Fluid Mechanical Operations (SFMO)	20	20	20	80	25	-	-	125
CHL407	Engineering Chemistry Lab II	-	-	-	-	-	25	-	25
CHL408	Chemical Engg Lab (SFMO)	-	-	-	-	-	25	-	25
CHL409	MED Lab	-	-	-	-	-	-	25	25
Total				120	480	125	50	25	800

University of Mumbai

Scheme for TE: Semester-V

Course Code	Course Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
CHC501	Chemical Engineering Thermodynamics - II	03	–	01	3.0	–	1.0	4.0
CHC502	Mass Transfer Operations - I (MTO-I)	03	–	01	3.0	–	1.0	4.0
CHC503	Heat Transfer Operations – I (HTO-I)	03	–	01	3.0	–	1.0	4.0
CHC504	Chemical Reaction Engineering - I (CRE-I)	03	–	01	3.0	–	1.0	4.0
CHC505	Chemical Technology	03	–	–	3.0	–	–	3.0
CHC506	Business Communication & Ethics	–	02* + 02	–	–	–	–	2.0
CHL507	Chemical Engg Lab (MTO-I)	–	03	–	–	1.5	–	1.5
CHL508	Chemical Engg Lab (CRE-I)	–	03	–	–	1.5	–	1.5
CHL509	Chemical Engg Lab (HTO-I)	–	03	–	–	1.5	–	1.5
CHL510	Chemical Engg Lab (Synthesis)	–	03	–	–	1.5	–	1.5
Total		15	16	04	15.0	6.0	6.0	27.0

*Theory for entire class.

Examination Scheme

Course Code	Course Name	Examination Scheme							
		Theory marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1	Test 2	Avg. of Test 1 and Test 2					
CHC501	Chemical Engineering Thermodynamics - II	20	20	20	80	25	–	–	125
CHC502	Mass Transfer Operations - I (MTO-I)	20	20	20	80	25	–	–	125
CHC503	Heat Transfer Operations – I (HTO-I)	20	20	20	80	25	–	–	125
CHC504	Chemical Reaction Engineering - I (CRE-I)	20	20	20	80	25	–	–	125
CHC505	Chemical Technology	20	20	20	80	–	–	–	100
CHC506	Business Communication & Ethics	–	–	–	–	50	–	–	50
CHL507	Chemical Engg Lab (MTO-I)	–	–	–	–	–	25	–	25
CHL508	Chemical Engg Lab (CRE-I)	–	–	–	–	–	25	–	25
CHL509	Chemical Engg Lab (HTO-I)	–	–	–	–	–	25	–	25
CHL510	Chemical Engg Lab (Synthesis)	–	–	–	–	–	–	25	25
Total				100	400				



University of Mumbai

Scheme for TE: Semester-VI

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
CHC601	Instrumentation	03	–	01	3.0	–	1.0	4.0
CHC602	Mass Transfer Operations – II (MTO-II)	03	–	01	3.0	–	1.0	4.0
CHC603	Heat Transfer Operations – II (HTO-II)	03	–	01	3.0	–	1.0	4.0
CHC604	Chemical Reaction Engineering – II (CRE-II)	03	–	01	3.0	–	1.0	4.0
CHC605	Plant Engineering	04	–	–	4.0	–	–	4.0
CHE606	Elective – I	04	–	–	4.0	–	–	4.0
CHL607	Chemical Engg Lab (MTO-II)	–	03	–	–	1.5	–	1.5
CHL608	Chemical Engg Lab (CRE-II)	–	03	–	–	1.5	–	1.5
CHL609	Chemical Engg Lab (HTO-II)	–	02	–	–	1.0	–	1.0
Total		20	08	04	20.0	4.0	4.0	28.0

Examination Scheme

Subject Code	Subject Name	Examination Scheme							
		Theory marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1	Test 2	Avg. of Test 1 and Test 2					
CHC601	Instrumentation	20	20	20	80	25	–	–	125
CHC602	Mass Transfer Operations – II (MTO-II)	20	20	20	80	25	–	–	125
CHC603	Heat Transfer Operations – II (HTO-II)	20	20	20	80	25	–	–	125
CHC604	Chemical Reaction Engineering – II (CRE-II)	20	20	20	80	25	–	–	125
CHC605	Plant Engineering	20	20	20	80	–	–	–	100
CHE606	Elective – I	20	20	20	80	–	–	–	100
CHL607	Chemical Engg Lab (MTO-II)	–	–	–	–	–	25	25	50
CHL608	Chemical Engg Lab (CRE-II)	–	–	–	–	–	25	–	25
CHL609	Chemical Engg Lab (HTO-II)	–	–	–	–	–	25	–	25
Total				120	480	100	75	25	800

Elective Streams(CHE606)

Sem.	Management Stream	Technology Stream	Process System Engineering Stream
VI	Operations Research	Advanced Material	Computational Fluid Dynamics

Syllabus Structure
Rev 2012
Electronics &
Telecommunication
Engineering



Semester VII

Course Code	Course Name	Teaching Scheme (Hrs.)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
ETC701	Image and Video Processing	04	--	--	04	--	--	04
ETC702	Mobile Communication	04	--	--	04	--	--	04
ETC703	Optical Communication and Networks	04	--	-	04	--	-	04
ETC704	Microwave and Radar Engineering	04	--	--	04	--	--	04
ETE70X	Elective	04	--	--	04	--	--	04
ETL701	Image and Video Processing Laboratory	--	02	--	--	01	--	01
ETL702	Advanced communication Engineering. Laboratory I	--	02	--	--	01	--	01
ETL703	Advanced communication Engineering. Laboratory II	--	02	--	--	01	--	01
ETEL70X	Elective	--	02	--	--	01	--	01
ETP701	Project (Stage I)	--	*	--	--	03	--	03
Total		20	08	--	20	07	--	27

Course Code (ETE70X)	Sem. VII Elective
ETE 701	Data Compression and Encryption
ETE 702	Statistical Signal Processing
ETE 703	Neural Network and Fuzzy Logic
ETE 704	Analog and Mixed Signal VLSI

- Work load of learner in Semester VII is equivalent to 6 hours /week

Semester VII

Course Code	Course Name	Examination Scheme						
		Theory Marks				Term Work	Practical and Oral	Total
		Internal assessment			End Sem. Exam			
		Test 1	Test 2	Ave. of Test 1 & Test 2				
ETC701	Image and Video Processing	20	20	20	80	--	--	100
ETC702	Mobile Communication	20	20	20	80	--	--	100
ETC703	Optical Communication and Networks	20	20	20	80	-	--	100
ETC704	Microwave and Radar Engineering	20	20	20	80	--	--	100
ETE70X	Elective	20	20	20	80	--	--	100
ETL701	Image and Video Processing Laboratory	--	--	--	--	25	25	50
ETL702	Advanced communication Engineering. Laboratory I	--	--	--	--	25	25	50
ETL703	Advanced Communication Engineering. Laboratory II	--	--	--	--	25	25	50
ETEL70X	Elective	--	--	--	--	25	25	50
ETP701	Project (Stage I)					25	25	50
Total		100	100	100	400	125	125	750

Semester VIII

Course Code	Course Name	Teaching Scheme (Hrs.)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
ETC801	Wireless Networks	04	--	--	04	--	--	04
ETC802	Satellite communication and Networks	04	--	--	04	--	--	04
ETC803	Internet and Voice Communication	04	--	--	04	--	--	04
ETE80X	Elective	04	--	--	04	--	--	04
ETL801	Wireless Networks Laboratory	--	02	--	--	01		01
ETL802	Satellite communication and Networks Laboratory	--	02	--	--	01		01
ETL803	Internet and Voice Communication Laboratory	--	02	--	--	01		01
ETEL80X	Elective Laboratory	--	02	--	--	01		01
ETP801	Project (Stage II)	--	**	--	--	06		06
Total		16	08	--	16	10		26

Course Code (ETE 80X)	Sem. VIII Elective
ETE 801	Speech Processing
ETE 802	Telecom Network Management
ETE 803	Microwave Integrated Circuits
ETE 804	Ultra Wideband Communication

**** Work load of learner in Semester VIII is equivalent to 12 hours /week.**

Semester VIII

Course Code	Course Name	Examination Scheme							
		Theory Marks				Term Work	Practical and Oral	Oral	Total
		Internal assessment			End Sem. Exam				
		Test 1	Test 2	Ave. of Test 1 & Test 2					
ETC801	Wireless Networks	20	20	20	80	--	--	--	100
ETC802	Satellite communication and Networks	20	20	20	80	--	--	--	100
ETC803	Internet and Voice Communication	20	20	20	80	--	--	--	100
ETE80X	Elective	20	20	20	80	--	--	--	100
ETL801	Wireless Networks Laboratory	--	--	--	--	25	--	25	50
ETL802	Satellite communication and Networks Laboratory	--	--	--	--	25	--	25	50
ETL803	Internet and Voice Communication Laboratory	--	--	--	--	25	--	25	50
ETEL80X	Elective Laboratory	--	--	--	--	25	--	25	50
ETP801	Project (Stage II)	--	--	--	--	50	--	50	100
Total		80	80	80	320	150		150	700

Programme structure B.E.(Electronics & Telecommunication)
S.E. (Electronics & Telecommunication) Sem III

Sub Code	Subject Name	Teaching Scheme (Hrs.)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
ETS301	*Applied Mathematics III	04	--	01	04	--	01	05
ETC302	Analog Electronics I	04	--	--	04	--	--	04
ETC303	Digital Electronics	04	--	--	04	--	--	04
ETC304	Circuits and Transmission Lines	04	--	--	04	--	--	04
ETC305	Electronic Instruments and Measurements	04	--	--	04	--	--	04
ETS306	*Object Oriented Programming Methodology	--	--	--	--	--	--	--
ETL301	Analog Electronics I Laboratory	--	02	--	--	01	--	01
ETL302	Digital Electronics Laboratory	--	02	--	--	01	--	01
ETL303	Circuits and Measurements Laboratory	--	02	--	--	01	--	01
ETSL304	* Object Oriented Programming Methodology Laboratory	--	04 **	--	--	01	--	01
Total		20	10	01	20	04	01	25

** Out of four hours, 2 hours theory shall be taught to entire class followed by 2 hrs. Practical in batches.

Subject Code	Subject Name	Examination Scheme							
		Theory Marks				Term Work	Practical and Oral	Oral	Total
		Internal assessment			End Sem. Exam				
		Test 1	Test 2	Avg. of Test 1 & Test 2					
ETS301	* Applied Mathematics III	20	20	20	80	25	--	--	125
ETC302	Analog Electronics I	20	20	20	80	--	--	--	100
ETC303	Digital Electronics	20	20	20	80	--	--	--	100
ETC304	Circuits and Transmission Lines	20	20	20	80	--	--	--	100
ETC305	Electronic Instruments and Measurements	20	20	20	80	--	--	--	100
ETS306	Object Oriented Programming Methodology	--	--	--	--	--	--	--	--
ETL301	Analog Electronics I Laboratory	--	--	--	--	25	25	--	50
ETL302	Digital Electronics Laboratory	--	--	--	--	25	25	--	50
ETL303	Circuits and Measurements Laboratory	--	--	--	--	25	--	--	25
ETSL304	Object Oriented Programming Methodology Laboratory	--	--	--	--	25	50	--	75
Total		--	--	100	400	125	100	--	725

* Indicate common subject for Electronics, Electronics & Telecommunication, Biomedical and Electrical Engineering

University of Mumbai SE (Electronics & Telecommunication) R-2012

Programme Structure B.E. (Electronics & Telecommunication)
S.E. (Electronics & Telecommunication) Sem IV

Sub Code	Subject Name	Teaching Scheme(Hrs.)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
ETS401	* Applied Mathematics IV	04	--	01	04	--	01	05
ETC402	Analog Electronics II	04	--	--	04	--	--	04
ETC403	Microprocessors and Peripherals	04	--	--	04	--	--	04
ETC404	Wave Theory and Propagation	04	--	--	04	--	-	04
ETC 405	Signals and Systems	03	--	01	03	-	01	04
ETC406	Control Systems	04	--	--	04	--	-	04
ETL401	Analog Electronics II Laboratory	--	02	--	--	01	--	01
ETL402	Microprocessors and Peripherals Laboratory	--	02	--	--	01	--	01
ETL403	Software Simulation Laboratory	--	02	--	--	01	--	01
Total		23	06	02	23	03	02	28

Subject Code	Subject Name	Examination Scheme							
		Theory Marks				Term Work	Practical and Oral	Oral	Total
		Internal assessment			End Sem. Exam				
		Test 1	Test 2	Avg. Of Test 1 and Test 2					
ETS401	*Applied Mathematics IV	20	20	20	80	25	--	--	125
ETC402	Analog Electronics II	20	20	20	80	--	--	--	100
ETC403	Microprocessors and Peripherals	20	20	20	80	--	--	--	100
ETC404	Wave Theory and Propagation	20	20	20	80	--	--	--	100
ETC 405	Signals and Systems	20	20	20	80	25	--	--	125
ETC406	Control Systems	20	20	20	80	--	--	--	100
ETL401	Analog Electronics II Laboratory	--	--	--	--	25	25	--	50
ETL402	Microprocessors and Peripherals Laboratory	--	--	--	--	25	25	--	50
ETL403	Software Simulation Laboratory	--	--	--	--	25	25	--	50
Total		--	--	120	480	125	75	--	800

* Indicate common subject for Electronics, Electronics & Telecommunication, Instrumentation, Biomedical and Electrical Engineering

SEMESTER V

Course Code	Course Name	Teaching Scheme (Hrs.)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
ETC501	Microcontrollers and Applications	04	--	--	04	--	--	04
ETC502	Analog Communication	04	--	--	04	--	--	04
ETC503	Random Signal Analysis	04	--	01	04	--	01	05
ETC504	RF Modeling and Antennas	04	--	--	04	--	--	04
ETC505	Integrated Circuits	04	--	--	04	--	--	04
ETS506	Business Communication and Ethics	--	04 *	--	--	02	--	02
ETL501	Microcontrollers and Applications Laboratory	--	02	--	--	01	--	01
ETL502	Communication Engineering Laboratory I	--	02	--	--	01	--	01
ETL503	Communication Engineering Laboratory II	--	02	--	--	01	--	01
ETL504	Mini Project I	--	02	--	--	01	--	01
Total		20	12	01	20	06	01	27

* Out of 4 hours, 2 hours class wise theory and 2 hours batch wise practical

Course Code	Course Name	Examination Scheme							
		Theory Marks				Term Work	Practical and Oral	Oral	Total
		Internal assessment			End Sem. Exam				
		Test 1	Test 2	Ave. of Test 1 & Test 2					
ETC501	Microcontrollers and Applications	20	20	20	80	--	--	--	100
ETC502	Analog Communication	20	20	20	80	--	--	--	100
ETC503	Random Signal Analysis	20	20	20	80	25	--	--	125
ETC504	RF Modeling and Antennas	20	20	20	80	--	--	--	100
ETC505	Integrated Circuits	20	20	20	80	--	--	--	100
ETS506	Business Communication and Ethics	--	--	--	--	50	--	--	50
ETL501	Microcontrollers and Applications Laboratory	--	--	--	--	25	25	--	50
ETL502	Communication Engineering Laboratory I	--	--	--	--	25	25	--	50
ETL503	Communication Engineering Laboratory II	--	--	--	--	25	25	--	50
ETL504	Mini Project I	--	--	--	--	25	25	--	50
Total		100	100	100	400	175	100	--	775

SEMESTER VI

Course Code	Course Name	Teaching Scheme (Hrs.)			Credits Assigned			
		Theory	Practical	Tutorial	Theory	Practical	Tutorial	Total
ETC601	Digital Communication	04	--		04	--		04
ETC602	Discrete Time Signal Processing	04	--	--	04	--	--	04
ETC603	Computer Communication and Telecom Networks	04	--	--	04	--	--	04
ETC604	Television Engineering	04	--	--	04	--	--	04
ETC605	Operating Systems	04	--	--	04	--	--	04
ETC606	VLSI Design	04	--	--	04	--	--	04
ETL601	Discrete Time Signal Processing Laboratory	--	02	--	--	01	--	01
ETL602	Communication Engineering Laboratory III		02			01	--	01
ETL603	Communication Engineering Laboratory IV	--	02	--	--	01	--	01
ETL604	Mini Project II	--	02	--	--	01	--	01
Total		24	08	--	24	04	--	28

Course Code	Course Name	Examination Scheme							
		Theory Marks				Term Work	Practical And Oral	Oral	Total
		Internal assessment			End Sem. Exam				
		Test 1	Test 2	Ave. of Test 1 & Test 2					
ETC601	Digital Communication	20	20	20	80	--	--	--	100
ETC602	Discrete Time Signal Processing	20	20	20	80	--	--	--	100
ETC603	Computer Communication and Telecom Networks	20	20	20	80	--	--	--	100
ETC604	Television Engineering	20	20	20	80	--	--	--	100
ETC605	Operating Systems	20	20	20	80	--	--	--	100
ETC606	VLSI Design	20	20	20	80	--	--	--	100
ETL601	Discrete Time Signal Processing Laboratory	--	--	--	--	25	25	--	50
ETL602	Communication Engineering Laboratory III	--	--	--	--	25	25	--	50
ETL603	Communication Engineering Laboratory IV	--	--	--	--	25	25	--	50
ETL604	Mini Project II	--	--	--	--	25	25	--	50
Total		120	120	120	480	100	100	--	800

Syllabus Structure

Rev 2012

Biomedical Engineering



Syllabus Scheme for B.E. Semester VII Biomedical Engineering

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	Pract.	Tut	Total
BMC701	Biomedical Instrumentation-III	4	2	-	4	1	-	5
BMC702	Medical Imaging – II	4	2	-	4	1	-	5
BMC703	Biomechanics Prosthesis and Orthosis	4	2	-	4	1	-	5
BMC704	Very Large Scale Integrated Circuits	4	2	-	4	1	-	5
BMC705	Networking and Information System in Medicine	4	2	-	4	1	-	5
BMP706	Project Stage – I	-	*	-	-	3	-	3
	TOTAL	20	16	-	20	8	-	28

* Learner is allotted 6hrs per week for the project work.

Course Code	Course Name	Examination scheme							
		Theory Marks				Term work	Pract.	Oral	Total
		Internal Assessment			End Sem exam				
		Test 1	Test 2	Avg.					
BMC701	Biomedical Instrumentation-III	20	20	20	80	25	-	25	150
BMC702	Medical Imaging – II	20	20	20	80	25	-	25	150
BMC703	Biomechanics Prosthesis and Orthosis	20	20	20	80	25	-	-	125
BMC704	Very Large Scale Integrated Circuits	20	20	20	80	25	-	-	125
BMC705	Networking and Information System in Medicine	20	20	20	80	25	-	25	150
BMP706	Project Stage – I	-	-	-	-	25	-	25	50
TOTAL				100	400	150	-	100	750

Syllabus Scheme for B.E. Semester VIII Biomedical Engineering

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	Pract.	Tut	Total
BMC801	Nuclear Medicine	4	-	1	4	-	1	5
BMC802	Biomedical Microsystems	4	2	-	4	1	-	5
BMC803	Hospital Management	4	-	1	4	-	1	5
BME804	Elective	4	2	-	4	1	-	5
BMP805	Project Stage – II	-	**	-	-	6	-	6
	TOTAL	16	16	2	16	8	2	26

** Learner is allotted 12hrs per week for the project work.

Electives:

BME8011. Lasers and Fiber Optics

BME8012. Robotics in Medicine

BME8013. Health care Informatics

BME8014. Rehabilitation Engineering

Course Code	Course Name	Examination scheme							
		Theory Marks				Term work	Pract.	Oral	Total
		Internal Assessment			End Sem exam				
		Test 1	Test 2	Avg.					
BMC801	Nuclear Medicine	20	20	20	80	25	-	25	150
BMC802	Biomedical Microsystems	20	20	20	80	25	-	25	150
BMC803	Hospital Management	20	20	20	80	25	-	25	150
BME804	Elective	20	20	20	80	25	-	25	150
BMP805	Project Stage – II	-	-	-	-	50	-	100	150
TOTAL				80	320	150		200	750

Syllabus Scheme for B.E. Semester VII Biomedical Engineering

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	Pract.	Tut	Total
BMC701	Biomedical Instrumentation-III	4	2	-	4	1	-	5
BMC702	Medical Imaging – II	4	2	-	4	1	-	5
BMC703	Biomechanics Prosthesis and Orthosis	4	2	-	4	1	-	5
BMC704	Very Large Scale Integrated Circuits	4	2	-	4	1	-	5
BMC705	Networking and Information System in Medicine	4	2	-	4	1	-	5
BMP706	Project Stage – I	-	*	-	-	3	-	3
	TOTAL	20	16	-	20	8	-	28

* Learner is allotted 6hrs per week for the project work.

Course Code	Course Name	Examination scheme							
		Theory Marks				Term work	Pract.	Oral	Total
		Internal Assessment			End Sem exam				
		Test 1	Test 2	Avg.					
BMC701	Biomedical Instrumentation-III	20	20	20	80	25	-	25	150
BMC702	Medical Imaging – II	20	20	20	80	25	-	25	150
BMC703	Biomechanics Prosthesis and Orthosis	20	20	20	80	25	-	-	125
BMC704	Very Large Scale Integrated Circuits	20	20	20	80	25	-	-	125
BMC705	Networking and Information System in Medicine	20	20	20	80	25	-	25	150
BMP706	Project Stage – I	-	-	-	-	25	-	25	50
TOTAL				100	400	150	-	100	750

Syllabus Scheme for S.E. Semester III Biomedical Engineering

Sub Code	Subjects	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	Pract.	Tut	Total
SEBM301	Applied Mathematics-III\$	4	-	1	4	-	1	5
SEBM302	Electronic Circuits and Design – I	4	2	-	4	1	-	5
SEBM303	Electrical Network Analysis and Synthesis	4	-	1	4	-	1	5
SEBM304	Human Anatomy and Physiology	4	2	-	4	1	-	5
SEBM305	Biomaterials	4	-	1	4	-	1	5
SEBM306	Object Oriented Programming & Methodology \$	-	4#	-	-	2	-	2
	TOTAL	20	8	3	20	4	3	27

Out of 4 hours, 2 hours theory shall be taught to the entire class followed by 2 hrs. practical in batches.

Sub Code	Subject Name	Examination scheme							
		Theory Marks				Term work	Pract.	Oral	Total
		Internal Assessment			End Sem exam				
		Test 1	Test 2	Avg.					
SEBM301	Applied Mathematics-III \$	20	20	20	80	25	-	-	125
SEBM302	Electronic Circuits and Design – I	20	20	20	80	25	25	-	150
SEBM303	Electrical Network Analysis and Synthesis	20	20	20	80	25	-	-	125
SEBM304	Human Anatomy and Physiology	20	20	20	80	25	-	25	150
SEBM305	Biomaterials	20	20	20	80	25	-	25	150
SEBM306	Object Oriented Programming & Methodology \$	-	-	-	-	50	50*	-	100
TOTAL				100	400	175	75	50	800

*Both Practical and Oral examination

\$ Subject common for Electronics and Telecommunication Engineering, Electronics Engineering, Biomedical Engineering, Electrical Engineering and Instrumentation Engineering.

Syllabus Scheme for S.E. Semester IV Biomedical Engineering

Sub Code	Subjects	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	Pract.	Tut	Total
SEBM401	Applied Mathematics-IV \$	4	-	1	4	-	1	5
SEBM402	Electronic Circuits and Design – II	4	2	-	4	1	-	5
SEBM403	Transducers and Sensors for Medical Applications	4	2	-	4	1	-	5
SEBM404	Logic Circuits	4	2	-	4	1	-	5
SEBM405	Signals and Systems	4	-	1	4	-	1	5
SEBM406	Electronic Instruments and Control System	4	2	-	4	1	-	5
	TOTAL	24	8	2	24	4	2	30

Sub Code	Subject Name	Examination scheme							
		Theory Marks				Term work	Pract.	Oral	Total
		Internal Assessment			End Sem exam				
		Test 1	Test 2	Avg.					
SEBM401	Applied Mathematics-IV \$	20	20	20	80	25	-	-	125
SEBM402	Electronic Circuits and Design – II	20	20	20	80	25	25	-	150
SEBM403	Transducers and Sensors for Medical Applications	20	20	20	80	25	-	25	150
SEBM404	Logic Circuits	20	20	20	80	25	25	-	150
SEBM405	Signals and Systems	20	20	20	80	25	-	25	150
SEBM406	Electronic Instruments and Control System	20	20	20	80	25	-	25	150
TOTAL				120	480	150	50	75	875

\$ Subject common for Electronics and Telecommunication Engineering, Electronics Engineering, Biomedical Engineering, Electrical Engineering and Instrumentation Engineering.

Syllabus Scheme for T.E. Semester V Biomedical Engineering

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	Pract.	Tut	Total
BMC501	Biomedical Instrumentation-I	4	2	-	4	1	-	5
BMC502	Microprocessors	4	2	-	4	1	-	5
BMC503	Analog and Digital Circuits Design	4	2	-	4	1	-	5
BMC504	Biomedical Digital Signal Processing	4	2	-	4	1	-	5
BMC505	Principles of Communication Engineering	4	2	-	4	1	-	5
BML506	Business Communication and Ethics	-	2*+2	-	-	2	-	2
	TOTAL	20	14	-	20	7	-	27

* Theory for entire class to be conducted

Course Code	Course Name	Examination scheme							
		Theory Marks				Term work	Pract.	Oral	Total
		Internal Assessment			End Sem exam				
		Test 1	Test 2	Avg.					
BMC501	Biomedical Instrumentation-I	20	20	20	80	25	-	25	150
BMC502	Microprocessors	20	20	20	80	25	-	-	125
BMC503	Analog and Digital Circuits Design	20	20	20	80	25	25	-	150
BMC504	Biomedical Digital Signal Processing	20	20	20	80	25	-	25	150
BMC505	Principles of Communication Engineering	20	20	20	80	25	-	-	125
BML506	Business Communication and Ethics	-	-	-	-	50	-	-	50
TOTAL				100	400	175	25	50	750

Syllabus Scheme for T.E. Semester VI Biomedical Engineering

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	Pract.	Tut	Total
BMC601	Biomedical Instrumentation –II	4	2	-	4	1	-	5
BMC602	Biostatistics	4	-	1	4	-	1	5
BMC603	Biological Modeling and Simulation	3	2	-	3	1	-	4
BMC604	Microcontrollers and Embedded Systems	4	2	-	4	1	-	5
BMC605	Medical Imaging –I	3	2	-	3	1	-	4
BMC606	Digital Image Processing	4	2	-	4	1	-	5
	TOTAL	22	10	1	22	5	1	28

Course Code	Course Name	Examination scheme							
		Theory Marks				Term work	Pract.	Oral	Total
		Internal Assessment			End Sem exam				
		Test 1	Test 2	Avg.					
BMC601	Biomedical Instrumentation –II	20	20	20	80	25	25	-	150
BMC602	Biostatistics	20	20	20	80	25	-	-	125
BMC603	Biological Modeling and Simulation	20	20	20	80	25	-	-	125
BMC604	Microcontrollers and Embedded Systems	20	20	20	80	25	-	25	150
BMC605	Medical Imaging –I	20	20	20	80	25	-	25	150
BMC606	Digital Image Processing	20	20	20	80	25	25	-	150
TOTAL				120	480	150	50	50	850

Syllabus Scheme for T.E. Semester V Biomedical Engineering

Course Code	Course Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut	Theory	Pract.	Tut	Total
BMC501	Biomedical Instrumentation-I	4	2	-	4	1	-	5
BMC502	Microprocessors	4	2	-	4	1	-	5
BMC503	Analog and Digital Circuits Design	4	2	-	4	1	-	5
BMC504	Biomedical Digital Signal Processing	4	2	-	4	1	-	5
BMC505	Principles of Communication Engineering	4	2	-	4	1	-	5
BML506	Business Communication and Ethics	-	2*+2	-	-	2	-	2
	TOTAL	20	14	-	20	7	-	27

* Theory for entire class to be conducted

Course Code	Course Name	Examination scheme							
		Theory Marks				Term work	Pract.	Oral	Total
		Internal Assessment			End Sem exam				
		Test 1	Test 2	Avg.					
BMC501	Biomedical Instrumentation-I	20	20	20	80	25	-	25	150
BMC502	Microprocessors	20	20	20	80	25	-	-	125
BMC503	Analog and Digital Circuits Design	20	20	20	80	25	25	-	150
BMC504	Biomedical Digital Signal Processing	20	20	20	80	25	-	25	150
BMC505	Principles of Communication Engineering	20	20	20	80	25	-	-	125
BML506	Business Communication and Ethics	-	-	-	-	50	-	-	50
TOTAL				100	400	175	25	50	750

Syllabus Structure

Rev 2012

Biotechnology



University of Mumbai

Scheme for BE: Semester-VII

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
BTC701	Bioseparation & Downstream Processing Technology-I	04	–	01	04	–	01	05
BTC702	Bioprocess Modeling & Simulation	04	–	01	04	–	01	05
BTC703	Seminar	–	–	03	–	–	03	03
BTE704	Elective-II	04	–	01	04	–	01	05
BTP705	Project-A	–	–	06	–	–	03	03
BTL706	LAB VI	–	04	–	–	02	–	02
BTL707	LAB VII	–	04	–	–	02	–	02
Total		12	08	12	12	04	09	25

Examination Scheme

Subject Code	Subject Name	Examination Scheme							
		Theory marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1 (A)	Test 2 (B)	Avg.of (A) & (B)					
BTC701	Bioseparation & Downstream Processing Technology-I	20	20	20	80	25	–	–	125
BTC702	Bioprocess Modeling & Simulation	20	20	20	80	25	–	–	125
BTC703	Seminar	–	–	–	–	50	–	–	50
BTE704	Elective – II	20	20	20	80	25	–	25	150
BTP705	Project-A	–	–	–	–	50	–	50	100
BTL706	LAB VI	–	–	–	–	–	25	–	25
BTL707	LAB VII	–	–	–	–	–	25	–	25
Total				60	240	175	50	75	600

Elective Streams(BTE704)

Sem.VII	Elective II	<ul style="list-style-type: none"> • Food Biotechnology • Pharmaceutical Technology • Nanotechnology
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University of Mumbai

Scheme for BE: Semester-VIII

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
BTC801	Environmental Biotechnology	04	–	–	04	–	–	04
BTC802	Bioseparation & Downstream Processing Technology-II	04	–	–	04	–	–	04
BTC803	Bioprocess Plant & Equipment Design	03	–	01	03	–	01	04
BTE804	Elective-III	03	–	01	03	–	01	04
BTP805	Project-B	–	–	08	–	–	06	06
BTL806	LAB VIII	–	03	–	–	1.5	–	1.5
BTL807	LAB IX	–	03	–	–	1.5	–	1.5
Total		14	06	10	14	03	08	25

Examination Scheme

Subject Code	Subject Name	Examination Scheme								
		Theory marks					Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam					
		Test 1 (A)	Test 2 (B)	Avg.of (A) & (B)						
BTC801	Environmental Biotechnology	20	20	20	80	–	–	–	100	
BTC802	Bioseparation & Downstream Processing Technology-II	20	20	20	80	–	–	–	100	
BTC803	Bioprocess Plant & Equipment Design	20	20	20	80	25	–	–	125	
BTE804	Elective-III	20	20	20	80	25	–	–	125	
BTP805	Project-B	–	–	–	–	50	–	100	150	
BTL806	LAB VIII	–	–	–	–	–	25	–	25	
BTL807	LAB IX	–	–	–	–	–	25	–	25	
Total				80	320	100	50	100	650	

Elective Streams(BTE804)

Sem.VIII	Elective III	<ul style="list-style-type: none"> • Non Conventional Sources of Energy • Biosensor & Diagnostics • Protein Engineering • Agriculture Biotechnology
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UNIVERSITY OF MUMBAI
SCHEME OF INSTRUCTION AND EXAMINATION
S.E: SEMESTER-III

Subject Code	Subject Name	Teaching Scheme (Contact Students)			Credits Assigned					
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total		
BTC301	Applied Mathematics-III	3	--	1	3	--	1	4		
BTC302	Microbiology	4	--	--	4	--	--	4		
BTC303	Cell Biology	3	--	--	3	--	--	3		
BTC304	Biochemistry	4	--	--	4	--	--	4		
BTC305	Unit Operations-I	4	--	--	4	--	--	4		
BTC306	Process Calculations	3	--	1	3	--	1	4		
BTL307	Microbiology Lab	--	4	--	--	2	--	2		
BTL308	Biochemistry Lab	--	3	--	--	1.5	--	1.5		
BTL309	Unit Operations-I Lab	--	3	--	--	1.5	--	1.5		
Total		21	10	2	21	5	2	28		
Subject Code	Subject Name	Examination Scheme								
		Theory					Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam.	Exam. Duration (in Hrs)				
		Test1	Test 2	Avg.						
BTC301	Applied Mathematics-III	20	20	20	80	03	25	--	--	125
BTC302	Microbiology	20	20	20	80	03	--	--	--	100
BTC303	Cell Biology	20	20	20	80	03	25	--	--	125
BTC304	Biochemistry	20	20	20	80	03		--	--	100
BTC305	Unit Operations-I	20	20	20	80	03	25	--	--	125
BTC306	Process Calculations	20	20	20	80	03	25	--	--	125
BTL307	Microbiology Lab	--	--	--	--	--	--	25	--	25
BTL308	Biochemistry Lab	--	--	--	--	--	--	25	--	25
BTL309	Unit Operations-I Lab	--	--	--	--	--	--	--	--	--
Total		--	--	120	480	--	100	50	--	750

Student Contact Hrs Per week: 33

UNIVERSITY OF MUMBAI
SCHEME OF INSTRUCTION AND EXAMINATION
S.E: SEMESTER-IV

Subject Code	Subject Name	Teaching Scheme (Contact Students)			Credits Assigned					
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total		
BTC401	Applied Mathematics-IV	3	--	1	3	--	1	4		
BTC402	Molecular Genetics	3	--	1	3	--	1	4		
BTC403	Fermentation Technology	4	--	--	4	--	--	4		
BTC404	Analytical Methods in Biotechnology	4	--	--	4	--	--	4		
BTC405	Immunology and Immunotechnology	4	--	--	4	--	--	4		
BTC406	Unit Operations-II	4	--	--	4	--	--	4		
BTL407	Fermentation Technology Lab	--	4	--	--	2	--	2		
BTL408	Analytical Methods in Biotechnology Lab	--	3	--	--	1.5	--	1.5		
BTL409	Unit Operations-II Lab	--	3	--	--	1.5	--	1.5		
Total		22	10	2	22	5	2	29		
Subject Code	Subject Name	Examination Scheme								
		Theory Marks					Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam.	Exam. Duration (in Hrs)				
		Test1	Test 2	Avg.						
BTC401	Applied Mathematics-IV	20	20	20	80	03	25	--	--	125
BTC402	Molecular Genetics	20	20	20	80	03	25	--	--	125
BTC403	Fermentation Technology	20	20	20	80	03	--	--	--	100
BTC404	Analytical Methods in Biotechnology	20	20	20	80	03	--	--	--	100
BTC405	Immunology and Immunotechnology	20	20	20	80	03	25	--	--	125
BTC406	Unit Operations-II	20	20	20	80	03	25	--	--	125
BTL407	Fermentation Technology Lab	--	--	--	--	--	--	25	--	25
BTL408	Analytical Methods in Biotechnology Lab	--	--	--	--	--	--	25	--	25
BTL409	Unit Operations-II Lab	--	--	--	--	--	--	--	--	--
Total		--	--	120	480	--	100	50	--	750

Student Contact Hrs Per week: 34



University of Mumbai

Scheme for TE: Semester-V

Course Code	Course Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
BTC501	Bioinformatics-1	04	–	–	4.0	–	–	4.0
BTC502	Genetic Engineering	04	–	–	4.0	–	–	4.0
BTC503	Biophysics	03	–	01	3.0	–	1.0	4.0
BTC504	Thermodynamics & Biochemical Engineering	03	–	01	3.0	–	1.0	4.0
BTC505	Bioreactor Analysis & technology	03	–	01	3.0	–	1.0	4.0
BTC506	Business Communication & Ethics	–	02* + 02	–	–	2.0	–	2.0
BTL507	Lab – I	–	03	–	–	1.5	–	1.5
BTL508	Lab – II	–	03	–	–	1.5	–	1.5
Total		17	10	03	17.0	5.0	3.0	25.0

*Theory for entire class.

Examination Scheme

Course Code	Course Name	Examination Scheme							
		Theory marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1	Test 2	Avg. of Test 1 and Test 2					
BTC501	Bioinformatics-1	20	20	20	80	–	–	–	100
BTC502	Genetic Engineering	20	20	20	80	–	–	–	100
BTC503	Biophysics	20	20	20	80	25	–	–	125
BTC504	Thermodynamics & Biochemical Engineering	20	20	20	80	25	–	–	125
BTC505	Bioreactor Analysis & technology	20	20	20	80	25	–	–	125
BTC506	Business Communication & Ethics	–	–	–	–	50	–	–	50
BTL507	Lab – I	–	–	–	–	–	25	–	25
BTL508	Lab – II	–	–	–	–	–	25	25	50
Total				100	400	125	50	25	700

University of Mumbai

Scheme for TE: Semester-VI

Subject Code	Subject Name	Teaching Scheme			Credit Assigned			
		Theory	Pract.	Tut.	Theory	Pract.	Tut.	Total
CHC601	Bioinformatics-II	03	–	–	3.0	–	–	3.0
CHC602	Cell & Tissue Culture	04	–	–	4.0	–	–	4.0
CHC603	Enzyme Engineering	03	–	–	3.0	–	–	3.0
CHC604	IPR,Bioethics & Biosafety	03	–	01	3.0	–	1.0	4.0
CHC605	Process Control & Instrumentation	03	–	01	3.0	–	1.0	4.0
CHE606	Elective – I	03	–	01	3.0	–	1.0	4.0
CHL607	Lab – III	–	03	–	–	1.5	–	1.5
CHL608	Lab – IV	–	03	–	–	1.5	–	1.5
CHL609	Lab – V	–	02	–	–	1.0	–	1.0
Total		19	08	03	19.0	4.0	3.0	26.0

Examination Scheme

Subject Code	Subject Name	Examination Scheme							
		Theory marks				Term Work	Pract.	Oral	Total
		Internal Assessment			End Sem. Exam				
		Test 1	Test 2	Avg. of Test 1 and Test 2					
CHC601	Bioinformatics-II	20	20	20	80	–	–	–	100
CHC602	Cell & Tissue Culture	20	20	20	80	–	–	–	100
CHC603	Enzyme Engineering	20	20	20	80	–	–	–	100
CHC604	IPR,Bioethics & Biosafety	20	20	20	80	25	–	–	125
CHC605	Process Control & Instrumentation	20	20	20	80	25	–	–	125
CHE606	Elective – I	20	20	20	80	25	–	–	125
CHL607	Lab – III	–	–	–	–	–	25	–	25
CHL609	Lab – IV	–	–	–	–	–	25	–	25
CHL610	Lab – V	–	–	–	–	–	25	–	25
Total				120	480	75	75	–	750

Elective Streams(CHE606)

- | | |
|---|--|
| a | Research Methodology and Scientific writing |
| b | Stem Cell Biology |
| c | Good Laboratory Practices (GLP) & Process Safety |

Syllabus Structure
Rev 2012
First Year Engineering



**First Year Engineering (Semester I & II), Revised course from
Academic Year 2012 -13, (REV- 2012),**

Sub Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut.	Theory	TW/Pract	Tut.	Total
FEC101	Applied Mathematics-I	04	-	01	04		01	05
FEC102	Applied Physics-I	03	01	-	03	0.5	-	3.5
FEC103	Applied Chemistry -I	03	01	-	03	0.5	-	3.5
FEC104	Engineering Mechanics	05	02	-	05	01	-	06
FEC105	Basic Electrical & Electronics Engineering	04	02	-	04	01	-	05
FEC106	Environmental studies	02	-	-	02	-	-	02
FEL101	Basic Workshop Practice-I	-	04	-	-	02	-	02
		21	10	01	21	05	01	27

(Common for all branches of Engineering)

Scheme for FE - Semester - I

Sub. Code	Subject Name	Examination Scheme							Total
		Theory Marks				Term Work	Pract.	Oral	
		Internal Assessment			End sem. exam				
		Test 1	Test 2	Average of Test 1 and Test 2					
FEC101	Applied Mathematics-I	20	20	20	80	25	-	-	125
FEC102	Applied Physics-I	15	15	15	60	25	-	-	100
FEC103	Applied Chemistry -I	15	15	15	60	25	-	-	100
FEC104	Engineering Mechanics	20	20	20	80	25	-	25	150
FEC105	Basic Electrical & Electronics Engineering	20	20	20	80	25	-	25	150
FEC106	Environmental studies	15	15	15	60	-	-	-	75
FEL101	Basic Workshop Practice-I	-	-	-	-	50	-	-	50
				105	420	175		50	750





**First Year Engineering (Semester I & II), Revised course from
Academic Year 2012 -13, (REV- 2012), (Common for all branches)**

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Pract.	Tut.	Theory	TW/Pract	Tut.	Total
FEC201	Applied Mathematics-II	04	-	01	04		01	05
FEC202	Applied Physics-II	03	01	-	03	0.5	-	3.5
FEC203	Applied Chemistry -II	03	01	-	03	0.5		3.5
FEC204	Engineering Drawing	03	04	-	03	02	-	05
FEC205	Structured Programming Approach	04	02	-	04	01	-	05
FEC206	Communication Skills	02	02	-	02	01	-	03
FEL201	Basic Workshop Practice -II	-	04	-	-	02	-	02
		19	14	01	19	07	01	27

Scheme for Semester - II

Sub. Code	Subject Name	Examination Scheme							Total
		Theory marks				Term Work	Pract .	Oral	
		Internal Assessment			End sem. exam				
		Test 1	Test 2	Av. of Test 1 & 2					
FEC201	Applied Mathematics-II	20	20	20	80	25	-	-	125
FEC202	Applied Physics-II	15	15	15	60	25	-	-	100
FEC203	Applied Chemistry -II	15	15	15	60	25	-	-	100
FEC204	Engineering Drawing	15	15	15	60	25	50	-	150
FEC205	Structured Programming Approach	20	20	20	80	25	25	-	150
FEC206	Communication Skills	10	10	10	40	25	-	-	75
FEL201	Basic Workshop Practice-II	-	-	-	-	50	-	-	50
				95	380	200	75		750

1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

1.1.2 The Institution adheres to the academic calendar including for the conduct of CIE

Sr. No	Activity Name
1	Academic Calendar 2020-21
2	Academic Calendar 2019-20
3	Academic Calendar 2018-19
4	Academic Calendar 2017-18
5	Academic Calendar 2016-17



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Academic Calendar 2020-21



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August 2020

Date	Day	Activity	Remark
01/08/2020	Saturday		
02/08/2020	Sunday		Holiday
03/08/2020	Monday		
04/08/2020	Tuesday		
05/08/2020	Wednesday		
06/08/2020	Thursday		
07/08/2020	Friday	Term Starts for SE, TE, BE	
08/08/2020	Saturday	Webinar on Emerging Trends in Electronics	
09/08/2020	Sunday		Holiday
10/08/2020	Monday		
11/08/2020	Tuesday		
12/08/2020	Wednesday		
13/08/2020	Thursday		
14/08/2020	Friday		
15/08/2020	Saturday	Independence Day	Holiday
16/08/2020	Sunday	Parsi New Year	Holiday
17/08/2020	Monday		
18/08/2020	Tuesday		
19/08/2020	Wednesday		
20/08/2020	Thursday		
21/08/2020	Friday		
22/08/2020	Saturday	Ganesh Chaturthi	Holiday
23/08/2020	Sunday		Holiday
24/08/2020	Monday		
25/08/2020	Tuesday		
26/08/2020	Wednesday		
27/08/2020	Thursday		
28/08/2020	Friday		
29/08/2020	Saturday	Webinar on Sharpening your skills to take a big leap	
30/08/2020	Sunday	Moahrum	Holiday

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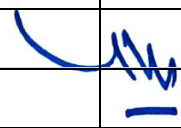
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31/08/2020	Monday		
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September 2020

Date	Day	Activity	Remark
01/09/2020	Tuesday		
02/09/2020	Wednesday		
03/09/2020	Thursday		
04/09/2020	Friday		
05/09/2020	Saturday		
06/09/2020	Sunday		Holiday
07/09/2020	Monday		
08/09/2020	Tuesday		
09/09/2020	Wednesday		
10/09/2020	Thursday		
11/09/2020	Friday		
12/09/2020	Saturday		
13/09/2020	Sunday		Holiday
14/09/2020	Monday		
15/09/2020	Tuesday		
16/09/2020	Wednesday		
17/09/2020	Thursday		
18/09/2020	Friday		
19/09/2020	Saturday		
20/09/2020	Sunday		Holiday
21/09/2020	Monday		
22/09/2020	Tuesday		
23/09/2020	Wednesday		
24/09/2020	Thursday		
25/09/2020	Friday		
26/09/2020	Saturday		
27/09/2020	Sunday		Holiday
28/09/2020	Monday		
29/09/2020	Tuesday		


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30/09/2020	Wednesday		

October 2020

Date	Day	Activity	Remark
01/10/2020	Thursday		
02/10/2020	Friday	Mahatma Gandhi Birthday	Holiday
03/10/2020	Saturday		
04/10/2020	Sunday		Holiday
05/10/2020	Monday		
06/10/2020	Tuesday		
07/10/2020	Wednesday		
08/10/2020	Thursday		
09/10/2020	Friday		
10/10/2020	Saturday		
11/10/2020	Sunday		Holiday
12/10/2020	Monday		
13/10/2020	Tuesday		
14/10/2020	Wednesday		
15/10/2020	Thursday		
16/10/2020	Friday		
17/10/2020	Saturday		
18/10/2020	Sunday		Holiday
19/10/2020	Monday		
20/10/2020	Tuesday	Cardiac Arrest resuscitation Workshop	
21/10/2020	Wednesday		
22/10/2020	Thursday		
23/10/2020	Friday		
24/10/2020	Saturday		
25/10/2020	Sunday	Dasera	Holiday
26/10/2020	Monday		
27/10/2020	Tuesday		
28/10/2020	Wednesday		

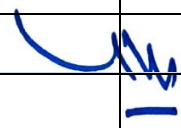
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29/10/2020	Thursday		
30/10/2020	Friday	Miladi Nabi	Holiday
31/10/2020	Saturday		

November 2020

Date	Day	Activity	Remark
01/11/2020	Sunday		Holiday
02/11/2020	Monday		
03/11/2020	Tuesday		
04/11/2020	Wednesday		
05/11/2020	Thursday		
06/11/2020	Friday		
07/11/2020	Saturday		
08/11/2020	Sunday		Holiday
09/11/2020	Monday		
10/11/2020	Tuesday		
11/11/2020	Wednesday		
12/11/2020	Thursday		
13/11/2020	Friday		
14/11/2020	Saturday		
15/11/2020	Sunday		Holiday
16/11/2020	Monday	Diwali	Holiday
17/11/2020	Tuesday		
18/11/2020	Wednesday		
19/11/2020	Thursday		
20/11/2020	Friday		
21/11/2020	Saturday		
22/11/2020	Sunday		Holiday
23/11/2020	Monday		
24/11/2020	Tuesday		
25/11/2020	Wednesday		
26/11/2020	Thursday		
27/11/2020	Friday		

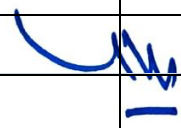

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28/11/2020	Saturday		
29/11/2020	Sunday		Holiday
30/11/2020	Monday	Guru Nanak Jayanti	Holiday

December 2020

Date	Day	Activity	Remark
01/12/2020	Tuesday		
02/12/2020	Wednesday		
03/12/2020	Thursday		
04/12/2020	Friday		
05/12/2020	Saturday		
06/12/2020	Sunday		Holiday
07/12/2020	Monday		
08/12/2020	Tuesday		
09/12/2020	Wednesday		
10/12/2020	Thursday		
11/12/2020	Friday		
12/12/2020	Saturday		
13/12/2020	Sunday		Holiday
14/12/2020	Monday		
15/12/2020	Tuesday		
16/12/2020	Wednesday		
17/12/2020	Thursday		
18/12/2020	Friday		
19/12/2020	Saturday		
20/12/2020	Sunday		Holiday
21/12/2020	Monday		
22/12/2020	Tuesday		
23/12/2020	Wednesday		
24/12/2020	Thursday		
25/12/2020	Friday	Christmas	Holiday
26/12/2020	Saturday		


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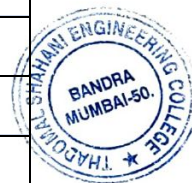


27/12/2020	Sunday		Holiday
28/12/2020	Monday		
29/12/2020	Tuesday		
30/12/2020	Wednesday		
31/12/2020	Thursday		

January 2021

Date	Day	Activity	Remark
01/01/2021	Friday		
02/01/2021	Saturday		
03/01/2021	Sunday		Holiday
04/01/2021	Monday		
05/01/2021	Tuesday		
06/01/2021	Wednesday		
07/01/2021	Thursday		
08/01/2021	Friday		
09/01/2021	Saturday		
10/01/2021	Sunday		Holiday
11/01/2021	Monday		
12/01/2021	Tuesday		
13/01/2021	Wednesday		
14/01/2021	Thursday		
15/01/2021	Friday		
16/01/2021	Saturday		
17/01/2021	Sunday		Holiday
18/01/2021	Monday		
19/01/2021	Tuesday		
20/01/2021	Wednesday		
21/01/2021	Thursday		
22/01/2021	Friday		
23/01/2021	Saturday		
24/01/2021	Sunday		Holiday
25/01/2021	Monday		
26/01/2021	Tuesday		


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27/01/2021	Wednesday		
28/01/2021	Thursday		
29/01/2021	Friday		
30/01/2021	Saturday		
31/01/2021	Sunday		Holiday



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January 2021-June 2021

Date	Day		
01/01/2021	Friday		
02/01/2021	Saturday		
03/01/2021	Sunday		Holiday
04/01/2021	Monday		
05/01/2021	Tuesday		
06/01/2021	Wednesday		
07/01/2021	Thursday		
08/01/2021	Friday		
09/01/2021	Saturday		
10/01/2021	Sunday		Holiday
11/01/2021	Monday		
12/01/2021	Tuesday		
13/01/2021	Wednesday		
14/01/2021	Thursday		
15/01/2021	Friday		
16/01/2021	Saturday		
17/01/2021	Sunday		Holiday
18/01/2021	Monday		
19/01/2021	Tuesday		
20/01/2021	Wednesday		
21/01/2021	Thursday		
22/01/2021	Friday		
23/01/2021	Saturday		
24/01/2021	Sunday		Holiday
25/01/2021	Monday	College reopens for SE, TE and BE	
26/01/2021	Tuesday	Republic Day	Holiday
27/01/2021	Wednesday		
28/01/2021	Thursday		
29/01/2021	Friday		
30/01/2021	Saturday		
31/01/2021	Sunday		Holiday



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February 2020

Date	Day	Activity	Remark
01/02/2021	Monday		
02/02/2021	Tuesday		
03/02/2021	Wednesday		
04/02/2021	Thursday		
05/02/2021	Friday		
06/02/2021	Saturday		
07/02/2021	Sunday		Holiday
08/02/2021	Monday		
09/02/2021	Tuesday		
10/02/2021	Wednesday		
11/02/2021	Thursday		
12/02/2021	Friday		
13/02/2021	Saturday		
14/02/2021	Sunday		Holiday
15/02/2021	Monday		
16/02/2021	Tuesday		
17/02/2021	Wednesday		
18/02/2021	Thursday		
19/02/2021	Friday	Chhatrapati Shivaji Maharaj Jayanti	Holiday
20/02/2021	Saturday		
21/02/2021	Sunday	Marathi Diwas Day	Holiday
22/02/2021	Monday		
23/02/2021	Tuesday		
24/02/2021	Wednesday		
25/02/2021	Thursday		
26/02/2021	Friday	FDP on emerging quantum computing Pardigm	
27/02/2021	Saturday	Convocation Day	
28/02/2021	Sunday		Holiday



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March 2020

Date	Day	Activity	Remark
01/03/2021	Monday		Holiday
02/03/2021	Tuesday		
03/03/2021	Wednesday		
04/03/2021	Thursday		
05/03/2021	Friday	Oscillations	
06/03/2021	Saturday		
07/03/2021	Sunday		Holiday
08/03/2021	Monday	Webinar on Sustainable Menstrual Products	
09/03/2021	Tuesday		
10/03/2021	Wednesday		
11/03/2021	Thursday	Maha Shivaratri	Holiday
12/03/2021	Friday	Azadi Ka Amrut Mahotsav Celebration	
13/03/2021	Saturday		
14/03/2021	Sunday		Holiday
15/03/2021	Monday		
16/03/2021	Tuesday		
17/03/2021	Wednesday		
18/03/2021	Thursday		
19/03/2021	Friday		
20/03/2021	Saturday	CodeStorm Technovation	
21/03/2021	Sunday		Holiday
22/03/2021	Monday		
23/03/2021	Tuesday		
24/03/2021	Wednesday		
25/03/2021	Thursday		
26/03/2021	Friday	TSEC Hacks	
27/03/2021	Saturday		
28/03/2021	Sunday		Holiday
29/03/2021	Monday	Holi	Holiday
30/03/2021	Tuesday		



31/03/2021	Wednesday		
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April 2020

Date	Day	Activity	Remark
01/04/2021	Thursday	NSS Webinar on Granulo	
02/04/2021	Friday	Good Friday	Holiday
03/04/2021	Saturday	TSEC Annual Day	
04/04/2021	Sunday	ISTE Ascent	
05/04/2021	Monday		Holiday
06/04/2021	Tuesday		
07/04/2021	Wednesday		
08/04/2021	Thursday		
09/04/2021	Friday		
10/04/2021	Saturday	DSE Theory Exam	
11/04/2021	Sunday		Holiday
12/04/2021	Monday		
13/04/2021	Tuesday	Gudi Padwa	Holiday
14/04/2021	Wednesday	Dr Ambedkar Jayanti	Holiday
15/04/2021	Thursday		
16/04/2021	Friday		
17/04/2021	Saturday	End od DSE Theory Exam	
18/04/2021	Sunday		Holiday
19/04/2021	Monday		
20/04/2021	Tuesday		
21/04/2021	Wednesday	Ram Navami	Holiday
22/04/2021	Thursday		
23/04/2021	Friday		
24/04/2021	Saturday		
25/04/2021	Sunday	Mahavir Jayanti	Holiday
26/04/2021	Monday		Holiday
27/04/2021	Tuesday		
28/04/2021	Wednesday		
29/04/2021	Thursday		

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30/04/2021	Friday		
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May 2020

Date	Day	Activity	Remark
01/05/2021	Saturday	Maharashtra Day	Holiday
02/05/2021	Sunday		Holiday
03/05/2021	Monday		
04/05/2021	Tuesday		
05/05/2021	Wednesday		
06/05/2021	Thursday		
07/05/2021	Friday		
08/05/2021	Saturday		
09/05/2021	Sunday		Holiday
10/05/2021	Monday		
11/05/2021	Tuesday		
12/05/2021	Wednesday		
13/05/2021	Thursday	Ramzan Eid	Holiday
14/05/2021	Friday		
15/05/2021	Saturday		
16/05/2021	Sunday		Holiday
17/05/2021	Monday		
18/05/2021	Tuesday		
19/05/2021	Wednesday	Term End for SE, TE and BE	
20/05/2021	Thursday	Oral Exam starts for SE, TE and BE	
21/05/2021	Friday		
22/05/2021	Saturday		
23/05/2021	Sunday		Holiday
24/05/2021	Monday		
25/05/2021	Tuesday		
26/05/2021	Wednesday	Buddha Purnima	Holiday
27/05/2021	Thursday		
28/05/2021	Friday		
29/05/2021	Saturday	End of Oral Exam	
30/05/2021	Sunday		Holiday



31/05/2021	Monday		
12/07/2021	Monday	Term starts for SE, TE and BE	

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Academic Calendar 2019-20

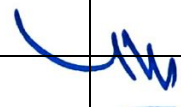


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July 2019

Date	Day	Activity	Remark
01/07/2019	Monday		
02/07/2019	Tuesday		
03/07/2019	Wednesday		
04/07/2019	Thursday		
05/07/2019	Friday		
06/07/2019	Saturday		
07/07/2019	Sunday		Holiday
08/07/2019	Monday	Term Starts for SE, TE, BE	
09/07/2019	Tuesday		
10/07/2019	Wednesday		
11/07/2019	Thursday		
12/07/2019	Friday		
13/07/2019	Saturday		
14/07/2019	Sunday		Holiday
15/07/2019	Monday		
16/07/2019	Tuesday		
17/07/2019	Wednesday		
18/07/2019	Thursday		
19/07/2019	Friday		
20/07/2019	Saturday		
21/07/2019	Sunday		Holiday
22/07/2019	Monday		
23/07/2019	Tuesday		
24/07/2019	Wednesday		
25/07/2019	Thursday		
26/07/2019	Friday		
27/07/2019	Saturday	FE Orientation	
28/07/2019	Sunday		Holiday
29/07/2019	Monday	Term starts for FE	
30/07/2019	Tuesday		
31/07/2019	Wednesday		


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August 2019

Date	Day	Activity	Remark
01/08/2019	Thursday		
02/08/2019	Friday		
03/08/2019	Saturday		
04/08/2019	Sunday		Holiday
05/08/2019	Monday	Term starts for FE	
06/08/2019	Tuesday		
07/08/2019	Wednesday	NSS Orientation	
08/08/2019	Thursday		
09/08/2019	Friday		
10/08/2019	Saturday	MAD Club Internship Mela' 19	
11/08/2019	Sunday		Holiday
12/08/2019	Monday	Bakri Id	Holiday
13/08/2019	Tuesday		
14/08/2019	Wednesday		
15/08/2019	Thursday	Independence day	Holiday
16/08/2019	Friday		
17/08/2019	Saturday	Parsi New Year day	Holiday
18/08/2019	Sunday	RC TSEC Community Service Event	Holiday
19/08/2019	Monday		
20/08/2019	Tuesday		
21/08/2019	Wednesday		
22/08/2019	Thursday		
23/08/2019	Friday		
24/08/2019	Saturday		
25/08/2019	Sunday		Holiday
26/08/2019	Monday	Periodic Test-1 for SE, TE, BE	 Dr. G. T. Thampi PRINCIPAL Thadomal Shahani Engineering College Bandra (W), Mumbai - 400 050.
27/08/2019	Tuesday	Periodic Test-1 for SE, TE, BE	
28/08/2019	Wednesday	Periodic Test-1 for SE, TE, BE	
29/08/2019	Thursday		
30/08/2019	Friday		
31/08/2019	Saturday		



September 2019

Date	Day	Activity	Remark
01/09/2019	Sunday		Holiday
02/09/2019	Monday	Ganesh Chaturthi Vacation Starts	Holiday
03/09/2019	Tuesday		Holiday
04/09/2019	Wednesday		Holiday
05/09/2019	Thursday		Holiday
06/09/2019	Friday	Ganesh Chaturthi Vacation Ends	Holiday
07/09/2019	Saturday		
08/09/2019	Sunday		Holiday
09/09/2019	Monday		
10/09/2019	Tuesday	Muharram	Holiday
11/09/2019	Wednesday		
12/09/2019	Thursday		
13/09/2019	Friday		
14/09/2019	Saturday		
15/09/2019	Sunday		Holiday
16/09/2019	Monday	NSS Joy of Giving Week	
17/09/2019	Tuesday		
18/09/2019	Wednesday	E-Cell Embark	
19/09/2019	Thursday		
20/09/2019	Friday		
21/09/2019	Saturday	IICHe Chemergence TSEC Codestorm Hackathon	
22/09/2019	Sunday		Holiday
23/09/2019	Monday		
24/09/2019	Tuesday		
25/09/2019	Wednesday	NSS Blood Donation Drive	
26/09/2019	Thursday		
27/09/2019	Friday		
28/09/2019	Saturday	ISTE Cryptech' 19	
29/09/2019	Sunday	IETE Elan	Holiday
30/09/2019	Monday		

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October 2019

Date	Day	Activity	Remark
01/10/2019	Tuesday		
02/10/2019	Wednesday	Mahatma Gandhi Jayanti	Holiday
03/10/2019	Thursday		
04/10/2019	Friday		
05/10/2019	Saturday		
06/10/2019	Sunday		Holiday
07/10/2019	Monday		
08/10/2019	Tuesday	Dussehra	Holiday
09/10/2019	Wednesday		
10/10/2019	Thursday	TIE Club Activity - World Mental Health Day Celebration	
11/10/2019	Friday		
12/10/2019	Saturday		
13/10/2019	Sunday		Holiday
14/10/2019	Monday		
15/10/2019	Tuesday	Periodic Test-2 for SE, TE, BE	
16/10/2019	Wednesday	Periodic Test-2 for SE, TE, BE	
17/10/2019	Thursday	Periodic Test-2 for SE, TE, BE	
18/10/2019	Friday		
19/10/2019	Saturday	RC TSEC Club Service Event	
20/10/2019	Sunday	Sports Committee Footcup	Holiday
21/10/2019	Monday		
22/10/2019	Tuesday		
23/10/2019	Wednesday		
24/10/2019	Thursday		
25/10/2019	Friday	Term End for SE, TE, BE	
26/10/2019	Saturday		
27/10/2019	Sunday	Diwali	Holiday
28/10/2019	Monday	Lakshmi Puja	Holiday
29/10/2019	Tuesday		
30/10/2019	Wednesday	Oral/Practical Exam Starts for SE,TE,BE	
31/10/2019	Thursday		

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November 2019

Date	Day	Activity	Remark
01/11/2019	Friday		
02/11/2019	Saturday		
03/11/2019	Sunday		Holiday
04/11/2019	Monday		
05/11/2019	Tuesday		
06/11/2019	Wednesday		
07/11/2019	Thursday		
08/11/2019	Friday		
09/11/2019	Saturday		
10/11/2019	Sunday	Id-E-Milad	Holiday
11/11/2019	Monday	Oral/Practical Exam End for SE,TE,BE	
12/11/2019	Tuesday	Guru Nanak Jayanti	Holiday
13/11/2019	Wednesday		
14/11/2019	Thursday	Semester Exam Starts for SE,TE,BE	
15/11/2019	Friday		
16/11/2019	Saturday		
17/11/2019	Sunday		Holiday
18/11/2019	Monday	Oral/Practical Exam Starts for FE	
19/11/2019	Tuesday		
20/11/2019	Wednesday		
21/11/2019	Thursday		
22/11/2019	Friday		
23/11/2019	Saturday		
24/11/2019	Sunday		Holiday
25/11/2019	Monday		
26/11/2019	Tuesday		
27/11/2019	Wednesday	Oral/Practical Exam End for FE	
28/11/2019	Thursday		
29/11/2019	Friday		
30/11/2019	Saturday		

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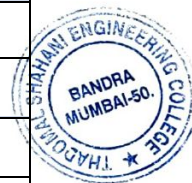
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December 2019

Date	Day	Activity	Remark
01/12/2019	Sunday		
02/12/2019	Monday	Semester Exam End for SE,TE,BE	
03/12/2019	Tuesday	Semester Exam Starts for FE	
04/12/2019	Wednesday		
05/12/2019	Thursday		
06/12/2019	Friday		
07/12/2019	Saturday		Holiday
08/12/2019	Sunday		
09/12/2019	Monday		
10/12/2019	Tuesday		
11/12/2019	Wednesday		
12/12/2019	Thursday		
13/12/2019	Friday		
14/12/2019	Saturday		Holiday
15/12/2019	Sunday		
16/12/2019	Monday	Semester Exam End for FE	
17/12/2019	Tuesday		
18/12/2019	Wednesday		
19/12/2019	Thursday		
20/12/2019	Friday		
21/12/2019	Saturday		Holiday
22/12/2019	Sunday		
23/12/2019	Monday		
24/12/2019	Tuesday		
25/12/2019	Wednesday	Christmas	Holiday
26/12/2019	Thursday		
27/12/2019	Friday		
28/12/2019	Saturday		Holiday
29/12/2019	Sunday		
30/12/2019	Monday		
31/12/2019	Tuesday		
06/01/2020	Monday	Term Starts for FE, SE, TE, BE	

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January 2020

Date	Day	Activity	Remark
01/01/2020	Wednesday		
02/01/2020	Thursday	Industrial visit to Hyderabad	
03/01/2020	Friday		
04/01/2020	Saturday		
05/01/2020	Sunday		
06/01/2020	Monday	Term Starts for FE, SE, TE, BE	
07/01/2020	Tuesday		
08/01/2020	Wednesday		
09/01/2020	Thursday		
10/01/2020	Friday		
11/01/2020	Saturday		
12/01/2020	Sunday		Holiday
13/01/2020	Monday		
14/01/2020	Tuesday		
15/01/2020	Wednesday		
16/01/2020	Thursday		
17/01/2020	Friday		
18/01/2020	Saturday	Alumni Meet 2020	
19/01/2020	Sunday		Holiday
20/01/2020	Monday		
21/01/2020	Tuesday		
22/01/2020	Wednesday		
23/01/2020	Thursday		
24/01/2020	Friday		
25/01/2020	Saturday		
26/01/2020	Sunday	Republic Day	Holiday
27/01/2020	Monday		
28/01/2020	Tuesday		
29/01/2020	Wednesday		



30/01/2020	Thursday		
31/01/2020	Friday		

February 2020

Date	Day	Activity	Remark
01/02/2020	Saturday		
02/02/2020	Sunday		Holiday
03/02/2020	Monday		
04/02/2020	Tuesday		
05/02/2020	Wednesday	TSEC Code Cell - Hackathon Day 1	
06/02/2020	Thursday	TSEC Code Cell - Hackathon Day 2	
07/02/2020	Friday		
08/02/2020	Saturday		
09/02/2020	Sunday		Holiday
10/02/2020	Monday		
11/02/2020	Tuesday		
12/02/2020	Wednesday		
13/02/2020	Thursday		
14/02/2020	Friday		
15/02/2020	Saturday		
16/02/2020	Sunday		Holiday
17/02/2020	Monday		
18/02/2020	Tuesday		
19/02/2020	Wednesday	Chhatrapati Shivaji Maharaj Jayanti	Holiday
20/02/2020	Thursday		
21/02/2020	Friday	Mahashivratri	Holiday
22/02/2020	Saturday		
23/02/2020	Sunday		Holiday
24/02/2020	Monday		
25/02/2020	Tuesday		
26/02/2020	Wednesday		

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27/02/2020	Thursday		
28/02/2020	Friday	Traditional Day	
29/02/2020	Saturday	ISTE Ascent' 20	

March 2020

Date	Day	Activity	Remark
01/03/2020	Sunday		Holiday
02/03/2020	Monday		
03/03/2020	Tuesday		
04/03/2020	Wednesday		
05/03/2020	Thursday		
06/03/2020	Friday	TSEC Annual day	
07/03/2020	Saturday	TSEC Awards 2020	
08/03/2020	Sunday		Holiday
09/03/2020	Monday		
10/03/2020	Tuesday	Holi	Holiday
11/03/2020	Wednesday		
12/03/2020	Thursday		
13/03/2020	Friday		
14/03/2020	Saturday	IETE Oscillation' 20	
15/03/2020	Sunday		Holiday
16/03/2020	Monday		
17/03/2020	Tuesday		
18/03/2020	Wednesday		
19/03/2020	Thursday		
20/03/2020	Friday		
21/03/2020	Saturday	RC TSEC Futsal' 20	
22/03/2020	Sunday		Holiday
23/03/2020	Monday		
24/03/2020	Tuesday		

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25/03/2020	Wednesday	Gudi Padwa	Holiday
26/03/2020	Thursday		
27/03/2020	Friday		
28/03/2020	Saturday		
29/03/2020	Sunday		Holiday
30/03/2020	Monday		
31/03/2020	Tuesday		

April 2020

Date	Day	Activity	Remark
01/04/2020	Wednesday		
02/04/2020	Thursday	Ram Navmi	Holiday
03/04/2020	Friday		
04/04/2020	Saturday		
05/04/2020	Sunday		Holiday
06/04/2020	Monday	Mahavir Jayanti	Holiday
07/04/2020	Tuesday		
08/04/2020	Wednesday		
09/04/2020	Thursday		
10/04/2020	Friday	Good Friday	Holiday
11/04/2020	Saturday		
12/04/2020	Sunday		Holiday
13/04/2020	Monday		
14/04/2020	Tuesday		
15/04/2020	Wednesday		
16/04/2020	Thursday		
17/04/2020	Friday		
18/04/2020	Saturday	Term Ends for FE, SE, TE, BE	
19/04/2020	Sunday		Holiday
20/04/2020	Monday	Oral and Practical Exam starts	
21/04/2020	Tuesday		



Academic Calendar 2018-19



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July 2018

Date	Day	Activity	Remark
01/07/2018	Sunday		Holiday
02/07/2018	Monday		
03/07/2018	Tuesday		
04/07/2018	Wednesday		
05/07/2018	Thursday		
06/07/2018	Friday		
07/07/2018	Saturday		
08/07/2018	Sunday		Holiday
09/07/2018	Monday	Term Starts for SE, TE, BE	
10/07/2018	Tuesday		
11/07/2018	Wednesday		
12/07/2018	Thursday		
13/07/2018	Friday		
14/07/2018	Saturday		
15/07/2018	Sunday		Holiday
16/07/2018	Monday		
17/07/2018	Tuesday		
18/07/2018	Wednesday		
19/07/2018	Thursday		
20/07/2018	Friday		
21/07/2018	Saturday		
22/07/2018	Sunday		Holiday
23/07/2018	Monday		
24/07/2018	Tuesday		
25/07/2018	Wednesday		
26/07/2018	Thursday		
27/07/2018	Friday		
28/07/2018	Saturday		
29/07/2018	Sunday		Holiday
30/07/2018	Monday		
31/07/2018	Tuesday		


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August 2018

Date	Day	Activity	Remark
01/08/2018	Wednesday		
02/08/2018	Thursday		
03/08/2018	Friday		
04/08/2018	Saturday		
05/08/2018	Sunday		Holiday
06/08/2018	Monday	Term starts for FE	
07/08/2018	Tuesday		
08/08/2018	Wednesday	NSS Orientation	
09/08/2018	Thursday		
10/08/2018	Friday		
11/08/2018	Saturday		
12/08/2018	Sunday		Holiday
13/08/2018	Monday		
14/08/2018	Tuesday		
15/08/2018	Wednesday	Independence day	Holiday
16/08/2018	Thursday		
17/08/2018	Friday	Parsi New Year	Holiday
18/08/2018	Saturday		
19/08/2018	Sunday		Holiday
20/08/2018	Monday		
21/08/2018	Tuesday		
22/08/2018	Wednesday	Bakri Id	Holiday
23/08/2018	Thursday		
24/08/2018	Friday	Students' Council Avalanche	
25/08/2018	Saturday		
26/08/2018	Sunday		Holiday
27/08/2018	Monday		
28/08/2018	Tuesday		
29/08/2018	Wednesday		
30/08/2018	Thursday		
31/08/2018	Friday		

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September 2018

Date	Day	Activity	Remark
01/09/2018	Saturday		
02/09/2018	Sunday		Holiday
03/09/2018	Monday	Periodic Test-1 for SE,TE,BE	
04/09/2018	Tuesday	Periodic Test-1 for SE,TE,BE	
05/09/2018	Wednesday	Periodic Test-1 for SE,TE,BE	
06/09/2018	Thursday		
07/09/2018	Friday		
08/09/2018	Saturday	CSI Technext	
09/09/2018	Sunday		Holiday
10/09/2018	Monday		
11/09/2018	Tuesday		
12/09/2018	Wednesday		
13/09/2018	Thursday	Ganesh Chaturthi Vacation Starts	Holiday
14/09/2018	Friday		Holiday
15/09/2018	Saturday		Holiday
16/09/2018	Sunday		Holiday
17/09/2018	Monday	Ganesh Chaturthi Vacation Ends	Holiday
18/09/2018	Tuesday		
19/09/2018	Wednesday		
20/09/2018	Thursday	Muharram	Holiday
21/09/2018	Friday		
22/09/2018	Saturday	IE(I) Engineers Month Celebration TSEC Code Storm – Hackathon	
23/09/2018	Sunday		Holiday
24/09/2018	Monday	NSS Joy of Giving Week	
25/09/2018	Tuesday		
26/09/2018	Wednesday	E-Cell Embark	
27/09/2018	Thursday		
28/09/2018	Friday		
29/09/2018	Saturday	IETE Elan IChE Chemergence	
30/09/2018	Sunday		

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October 2018

Date	Day	Activity	Remark
01/10/2018	Monday		
02/10/2018	Tuesday	Mahatma Gandhi Jayanti	Holiday
03/10/2018	Wednesday		
04/10/2018	Thursday		
05/10/2018	Friday		
06/10/2018	Saturday	ISTE	
07/10/2018	Sunday		Holiday
08/10/2018	Monday		
09/10/2018	Tuesday		
10/10/2018	Wednesday	NSS Blood Donation Drive	
11/10/2018	Thursday		
12/10/2018	Friday		
13/10/2018	Saturday		
14/10/2018	Sunday		Holiday
15/10/2018	Monday	Periodic Test-2 for SE,TE,BE	
16/10/2018	Tuesday	Periodic Test-2 for SE,TE,BE	
17/10/2018	Wednesday	Periodic Test-2 for SE,TE,BE	
18/10/2018	Thursday	Dussehra	Holiday
19/10/2018	Friday		
20/10/2018	Saturday	RC-TSEC Club Service Event	
21/10/2018	Sunday		Holiday
22/10/2018	Monday		
23/10/2018	Tuesday		
24/10/2018	Wednesday		
25/10/2018	Thursday		
26/10/2018	Friday	Term End for SE,TE,BE	
27/10/2018	Saturday		
28/10/2018	Sunday		Holiday
29/10/2018	Monday		
30/10/2018	Tuesday		
31/10/2018	Wednesday		

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November 2018

Date	Day	Activity	Remark
01/11/2018	Thursday		
02/11/2018	Friday		
03/11/2018	Saturday		
04/11/2018	Sunday		Holiday
05/11/2018	Monday		
06/11/2018	Tuesday		
07/11/2018	Wednesday	Diwali	Holiday
08/11/2018	Thursday		
09/11/2018	Friday		
10/11/2018	Saturday		
11/11/2018	Sunday		Holiday
12/11/2018	Monday		
13/11/2018	Tuesday		
14/11/2018	Wednesday		
15/11/2018	Thursday		
16/11/2018	Friday		
17/11/2018	Saturday		
18/11/2018	Sunday		Holiday
19/11/2018	Monday		
20/11/2018	Tuesday		
21/11/2018	Wednesday	Eid e Milad	Holiday
22/11/2018	Thursday		
23/11/2018	Friday	Guru Nanak Jayanti	Holiday
24/11/2018	Saturday		
25/11/2018	Sunday		Holiday
26/11/2018	Monday		
27/11/2018	Tuesday		
28/11/2018	Wednesday		
29/11/2018	Thursday		
30/11/2018	Friday		

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December 2018

Date	Day	Activity	Remark
01/12/2018	Saturday		
02/12/2018	Sunday		Holiday
03/12/2018	Monday		
04/12/2018	Tuesday		
05/12/2018	Wednesday		
06/12/2018	Thursday		
07/12/2018	Friday		
08/12/2018	Saturday		
09/12/2018	Sunday		Holiday
10/12/2018	Monday		
11/12/2018	Tuesday		
12/12/2018	Wednesday		
13/12/2018	Thursday		
14/12/2018	Friday		
15/12/2018	Saturday		
16/12/2018	Sunday		Holiday
17/12/2018	Monday		
18/12/2018	Tuesday		
19/12/2018	Wednesday		
20/12/2018	Thursday		
21/12/2018	Friday		
22/12/2018	Saturday		
23/12/2018	Sunday		Holiday
24/12/2018	Monday		
25/12/2018	Tuesday	Christmas day	Holiday
26/12/2018	Wednesday		
27/12/2018	Thursday		
28/12/2018	Friday		
29/12/2018	Saturday		
30/12/2018	Sunday		Holiday
31/12/2018	Monday		
07/01/2019	Monday	Term Starts for FE, SE, TE, BE	

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January 2019

Date	Day	Activity	Remark
01/01/2019	Tuesday		
02/01/2019	Wednesday		
03/01/2019	Thursday		
04/01/2019	Friday		
05/01/2019	Saturday		
06/01/2019	Sunday		Holiday
07/01/2019	Monday	Term Starts for FE, SE, TE, BE	
08/01/2019	Tuesday		
09/01/2019	Wednesday		
10/01/2019	Thursday		
11/01/2019	Friday		
12/01/2019	Saturday		
13/01/2019	Sunday		Holiday
14/01/2019	Monday		
15/01/2019	Tuesday		
16/01/2019	Wednesday		
17/01/2019	Thursday		
18/01/2019	Friday	Dice Boot Camp for BE	
19/01/2019	Saturday		
20/01/2019	Sunday		Holiday

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21/01/2019	Monday		
22/01/2019	Tuesday		
23/01/2019	Wednesday		
24/01/2019	Thursday		
25/01/2019	Friday		
26/01/2019	Saturday	Republic Day	Holiday
27/01/2019	Sunday		Holiday
28/01/2019	Monday		
29/01/2019	Tuesday		
30/01/2019	Wednesday		
31/01/2019	Thursday		

February 2019

Date	Day	Activity	Remark
01/02/2019	Friday		
02/02/2019	Saturday	RC-TSEC Club Service Event	
03/02/2019	Sunday	Sports Committee Yudh '19	Holiday
04/02/2019	Monday		
05/02/2019	Tuesday		
06/02/2019	Wednesday	NSS Blood Donation Drive TSEC Code Cell - Hackathon	
07/02/2019	Thursday		
08/02/2019	Friday		
09/02/2019	Saturday	ISTE- Ascent '19	
10/02/2019	Sunday		Holiday

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11/02/2019	Monday	Periodic Test- 1	
12/02/2019	Tuesday	Periodic Test- 1	
13/02/2019	Wednesday	Periodic Test- 1	
14/02/2019	Thursday		
15/02/2019	Friday	Dice Boot Camp for TE	
16/02/2019	Saturday		
17/02/2019	Sunday		Holiday
18/02/2019	Monday		
19/02/2019	Tuesday	Chhatrapati Shivaji Maharaj Jayanti	Holiday
20/02/2019	Wednesday		
21/02/2019	Thursday		
22/02/2019	Friday		
23/02/2019	Saturday	CSI Rubix	
24/02/2019	Sunday		Holiday
25/02/2019	Monday		
26/02/2019	Tuesday		
27/02/2019	Wednesday		
28/02/2019	Thursday		

March 2019

Date	Day	Activity	Remark
01/03/2019	Friday	Traditional Day	
02/03/2019	Saturday	TEDx TSEC	
03/03/2019	Sunday	Sports Committee Marathon	Holiday
04/03/2019	Monday	Mahashivratri	Holiday
05/03/2019	Tuesday		

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06/03/2019	Wednesday	E-Cell Project Expo	
07/03/2019	Thursday		
08/03/2019	Friday		
09/03/2019	Saturday	IE(I) TantrAvishkar	
10/03/2019	Sunday	IETE Oscillation '19	Holiday
11/03/2019	Monday		
12/03/2019	Tuesday		
13/03/2019	Wednesday		
14/03/2019	Thursday		
15/03/2019	Friday	Trifles 2019 Day 1	
16/03/2019	Saturday	Trifles 2019 Day 2	
17/03/2019	Sunday		Holiday
18/03/2019	Monday		
19/03/2019	Tuesday		
20/03/2019	Wednesday		
21/03/2019	Thursday	Holi	Holiday
22/03/2019	Friday		
23/03/2019	Saturday		
24/03/2019	Sunday		Holiday
25/03/2019	Monday		
26/03/2019	Tuesday		
27/03/2019	Wednesday		
28/03/2019	Thursday		
29/03/2019	Friday		
30/03/2019	Saturday		
31/03/2019	Sunday		Holiday

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April 2019

Date	Day	Activity	Remark
01/04/2019	Monday		
02/04/2019	Tuesday		
03/04/2019	Wednesday	Periodic Test- 2	
04/04/2019	Thursday	Periodic Test- 2	
05/04/2019	Friday	Periodic Test- 2	
06/04/2019	Saturday	Gudi Padwa	Holiday
07/04/2019	Sunday		Holiday
08/04/2019	Monday		
09/04/2019	Tuesday		
10/04/2019	Wednesday		
11/04/2019	Thursday		
12/04/2019	Friday		
13/04/2019	Saturday	Ram Navmi	Holiday
14/04/2019	Sunday		Holiday
15/04/2019	Monday		
16/04/2019	Tuesday		
17/04/2019	Wednesday	Mahavir Jayanti	Holiday
18/04/2019	Thursday		
19/04/2019	Friday	Good Friday	Holiday
20/04/2019	Saturday	Term Ends for FE, SE, TE, BE	
21/04/2019	Sunday		Holiday
22/04/2019	Monday	Oral and Practical Exam starts	
23/04/2019	Tuesday		



24/04/2019	Wednesday		
25/04/2019	Thursday		
26/04/2019	Friday		
27/04/2019	Saturday		
28/04/2019	Sunday		Holiday
29/04/2019	Monday		
30/04/2019	Tuesday		

May 2019

Date	Day	Activity	Remark
01/05/2019	Wednesday	Maharashtra Day	Holiday
02/05/2019	Thursday	Oral and Practical Exam ends	
03/05/2019	Friday		
04/05/2019	Saturday		
05/05/2019	Sunday		Holiday
06/05/2019	Monday		
07/05/2019	Tuesday	Theory Exam starts	
08/05/2019	Wednesday		
09/05/2019	Thursday		
10/05/2019	Friday		
11/05/2019	Saturday		
12/05/2019	Sunday		Holiday
13/05/2019	Monday		
14/05/2019	Tuesday		
15/05/2019	Wednesday		
16/05/2019	Thursday		



17/05/2019	Friday		
18/05/2019	Saturday	Buddha Purnima	Holiday
19/05/2019	Sunday		Holiday
20/05/2019	Monday		
21/05/2019	Tuesday		
22/05/2019	Wednesday		
23/05/2019	Thursday		
24/05/2019	Friday		
25/05/2019	Saturday		
26/05/2019	Sunday		Holiday
27/05/2019	Monday		
28/05/2019	Tuesday		
29/05/2019	Wednesday		
30/05/2019	Thursday		
31/05/2019	Friday		

08/07/2019	Monday	Term starts for SE, TE, BE (Tentative)	
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Academic Calendar 2017-18



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JULY

Date	Day	Activity	Remark
01-07-2017	Saturday		
02-07-2017	Sunday		Holiday
03-07-2017	Monday		
04-07-2017	Tuesday		
05-07-2017	Wednesday		
06-07-2017	Thursday		
07-07-2017	Friday		
08-07-2017	Saturday		
09-07-2017	Sunday		Holiday
10-07-2017	Monday	Term Starts for SE TE BE	
11-07-2017	Tuesday		
12-07-2017	Wednesday		
13-07-2017	Thursday		
14-07-2017	Friday		
15-07-2017	Saturday		
16-07-2017	Sunday		Holiday
17-07-2017	Monday		
18-07-2017	Tuesday		
19-07-2017	Wednesday		
20-07-2017	Thursday		
21-07-2017	Friday		
22-07-2017	Saturday		
23-07-2017	Sunday		Holiday
24-07-2017	Monday		
25-07-2017	Tuesday		
26-07-2017	Wednesday		
27-07-2017	Thursday		
28-07-2017	Friday		
29-07-2017	Saturday		
30-07-2017	Sunday		Holiday
31-07-2017	Monday		

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AUGUST

Date	Day	Activity	Remark
01-08-2017	Tuesday		
02-08-2017	Wednesday		
03-08-2017	Thursday		
04-08-2017	Friday		
05-08-2017	Saturday		
06-08-2017	Sunday		Holiday
07-08-2017	Monday		
08-08-2017	Tuesday		
09-08-2017	Wednesday		
10-08-2017	Thursday	IE(I) Orientation	
11-08-2017	Friday		
12-08-2017	Saturday	Students Council Avalanche	
13-08-2017	Sunday	Students Council Avalanche	Holiday
14-08-2017	Monday		
15-08-2017	Tuesday	Independence Day	Holiday
16-08-2017	Wednesday		
17-08-2017	Thursday	Parsi New Year	Holiday
18-08-2017	Friday		
19-08-2017	Saturday	CSI Technext	
20-08-2017	Sunday	CSI Technext	Holiday
21-08-2017	Monday		
22-08-2017	Tuesday		
23-08-2017	Wednesday		
24-08-2017	Thursday		
25-08-2017	Friday	Ganesh Chaturthi	Holiday
26-08-2017	Saturday	Ganesh Chaturthi Vacation	
27-08-2017	Sunday	Ganesh Chaturthi Vacation	Holiday
28-08-2017	Monday	Ganesh Chaturthi Vacation	
29-08-2017	Tuesday	Ganesh Chaturthi Vacation	
30-08-2017	Wednesday	Ganesh Chaturthi Vacation	
31-08-2017	Thursday	Ganesh Chaturthi Vacation	

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SEPTEMBER

Date	Day	Activity	Remark
01-09-2017	Friday	Ganesh Chaturthi Vacation	
02-09-2017	Saturday	Bakri Id	Holiday
03-09-2017	Sunday		Holiday
04-09-2017	Monday	Periodic Test 1 SE TE BE	
05-09-2017	Tuesday	Periodic Test 1 SE TE BE	
06-09-2017	Wednesday	Periodic Test 1 SE TE BE	
07-09-2017	Thursday		
08-09-2017	Friday		
09-09-2017	Saturday	IETE ELAN	
10-09-2017	Sunday	IETE ELAN	Holiday
11-09-2017	Monday		
12-09-2017	Tuesday		
13-09-2017	Wednesday		
14-09-2017	Thursday		
15-09-2017	Friday		
16-09-2017	Saturday		
17-09-2017	Sunday		Holiday
18-09-2017	Monday		
19-09-2017	Tuesday		
20-09-2017	Wednesday		
21-09-2017	Thursday		
22-09-2017	Friday		
23-09-2017	Saturday	IE(I) Engineers Month Celebration	
24-09-2017	Sunday		Holiday
25-09-2017	Monday		
26-09-2017	Tuesday		
27-09-2017	Wednesday		
28-09-2017	Thursday		
29-09-2017	Friday	Management Society CARMA	
30-09-2017	Saturday	Dussehra Management Society CARMA	Holiday

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OCTOBER

Date	Day	Activity	Remark
01-10-2017	Sunday	Muharram	Holiday
02-10-2017	Monday	Gandhi Jayanti IICHe Chemergence	Holiday
03-10-2017	Tuesday	IICHe Chemergence	
04-10-2017	Wednesday		
05-10-2017	Thursday		
06-10-2017	Friday		
07-10-2017	Saturday		
08-10-2017	Sunday		Holiday
09-10-2017	Monday		
10-10-2017	Tuesday		
11-10-2017	Wednesday		
12-10-2017	Thursday		
13-10-2017	Friday		
14-10-2017	Saturday		
15-10-2017	Sunday		Holiday
16-10-2017	Monday	Periodic Test 2 SE TE BE	
17-10-2017	Tuesday	Periodic Test 2 SE TE BE	
18-10-2017	Wednesday	Periodic Test 2 SE TE BE	
19-10-2017	Thursday	Diwali	Holiday
20-10-2017	Friday		
21-10-2017	Saturday		
22-10-2017	Sunday		Holiday
23-10-2017	Monday		
24-10-2017	Tuesday		
25-10-2017	Wednesday		
26-10-2017	Thursday		
27-10-2017	Friday		
28-10-2017	Saturday		
29-10-2017	Sunday		Holiday
30-10-2017	Monday		
31-10-2017	Tuesday		

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NOVEMBER

Date	Day	Activity	Remark
01-11-2017	Wednesday		
02-11-2017	Thursday		
03-11-2017	Friday		
04-11-2017	Saturday	Guru Nanak Jayanti	Holiday
05-11-2017	Sunday		Holiday
06-11-2017	Monday		
07-11-2017	Tuesday		
08-11-2017	Wednesday		
09-11-2017	Thursday		
10-11-2017	Friday		
11-11-2017	Saturday		
12-11-2017	Sunday		Holiday
13-11-2017	Monday		
14-11-2017	Tuesday		
15-11-2017	Wednesday		
16-11-2017	Thursday		
17-11-2017	Friday		
18-11-2017	Saturday		
19-11-2017	Sunday		Holiday
20-11-2017	Monday		
21-11-2017	Tuesday		
22-11-2017	Wednesday		
23-11-2017	Thursday		
24-11-2017	Friday		
25-11-2017	Saturday		
26-11-2017	Sunday		Holiday
27-11-2017	Monday		
28-11-2017	Tuesday		
29-11-2017	Wednesday		
30-11-2017	Thursday		

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DECEMBER

Date	Day	Activity	Remark
01-12-2017	Friday		
02-12-2017	Saturday		
03-12-2017	Sunday		Holiday
04-12-2017	Monday		
05-12-2017	Tuesday		
06-12-2017	Wednesday		
07-12-2017	Thursday		
08-12-2017	Friday		
09-12-2017	Saturday		
10-12-2017	Sunday		Holiday
11-12-2017	Monday		
12-12-2017	Tuesday		
13-12-2017	Wednesday		
14-12-2017	Thursday		
15-12-2017	Friday		
16-12-2017	Saturday		
17-12-2017	Sunday		Holiday
18-12-2017	Monday		
19-12-2017	Tuesday		
20-12-2017	Wednesday		
21-12-2017	Thursday		
22-12-2017	Friday		
23-12-2017	Saturday		
24-12-2017	Sunday		Holiday
25-12-2017	Monday	Christmas	Holiday
26-12-2017	Tuesday		
27-12-2017	Wednesday		
28-12-2017	Thursday		
29-12-2017	Friday		
30-12-2017	Saturday		
31-12-2017	Sunday		

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JANUARY 2018

DATE	DAY	ACTIVITY	REMARK
01-01-2018	MONDAY		
02-01-2018	TUESDAY		
03-01-2018	WEDNESDAY		
04-01-2018	THURSDAY		
05-01-2018	FRIDAY		
06-01-2018	SATURDAY		
07-01-2018	SUNDAY		HOLIDAY
08-01-2018	MONDAY	TERM STARTS	
09-01-2018	TUESDAY		
10-01-2018	WEDNESDAY		
11-01-2018	THURSDAY		
12-01-2018	FRIDAY		
13-01-2018	SATURDAY		
14-01-2018	SUNDAY		HOLIDAY
15-01-2018	MONDAY	NSS-JOY OF GIVING WEEK	
16-01-2018	TUESDAY		
17-01-2018	WEDNESDAY	NSS MASS AWARENESS PROJECT AUDITIONS	
18-01-2018	THURSDAY		
19-01-2018	FRIDAY		
20-01-2018	SATURDAY		
21-01-2018	SUNDAY	ROTARACT CLUB- CYCLING BY THE SEA	HOLIDAY
22-01-2018	MONDAY		
23-01-2018	TUESDAY		
24-01-2018	WEDNESDAY		
25-01-2018	THURSDAY	NSS-SWACH TSEC CAMPAIGN	
26-01-2018	FRIDAY	REPUBLIC DAY	HOLIDAY
27-01-2018	SATURDAY	YUDH	
28-01-2018	SUNDAY	YUDH	HOLIDAY
29-01-2018	MONDAY		
30-01-2018	TUESDAY		
31-01-2018	WEDNESDAY	NSS-BLOOD DONATION DRIVE 2	



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FEBRUARY

DATE	DAY	ACTIVITY	REMARK
01-02-2018	THURSDAY		
02-02-2018	FRIDAY		
03-02-2018	SATURDAY	ISTE ASCENT '18	
04-02-2018	SUNDAY	ISTE ASCENT '18	HOLIDAY
05-02-2018	MONDAY		
06-02-2018	TUESDAY		
07-02-2018	WEDNESDAY		
08-02-2018	THURSDAY		
09-02-2018	FRIDAY		
10-02-2018	SATURDAY	CSI RUBIX	
11-02-2018	SUNDAY	CSI RUBIX	HOLIDAY
12-02-2018	MONDAY	PERIODIC TEST-1	
13-02-2018	TUESDAY	MAHA SHIVRATRI	HOLIDAY
14-02-2018	WEDNESDAY	PERIODIC TEST-1	
15-02-2018	THURSDAY	PERIODIC TEST-1	
16-02-2018	FRIDAY		
17-02-2018	SATURDAY	IETE OSCILLATIONS	
18-02-2018	SUNDAY	IETE OSCILLATIONS	HOLIDAY
19-02-2018	MONDAY	CHATRAPATI SHIVAJI MAHARAJ JAYANTI	HOLIDAY
20-02-2018	TUESDAY		
21-02-2018	WEDNESDAY		
22-02-2018	THURSDAY		
23-02-2018	FRIDAY		
24-02-2018	SATURDAY	IE(I)-TANTRAVISHKAR 2K18	
25-02-2018	SUNDAY	IE(I)-TANTRAVISHKAR 2K18	HOLIDAY
26-02-2018	MONDAY		
27-02-2018	TUESDAY		
28-02-2018	WEDNESDAY		



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MARCH

DATE	DAY	ACTIVITY	REMARK
01-03-2018	THURSDAY		
02-03-2018	FRIDAY	HOLI	HOLIDAY
03-03-2018	SATURDAY	TRADITIONAL DAY	
04-03-2018	SUNDAY	ECELL- PROJECT EXPO	HOLIDAY
05-03-2018	MONDAY		
06-03-2018	TUESDAY		
07-03-2018	WEDNESDAY		
08-03-2018	THURSDAY	WOMEN'S DAY CELEBRATION	
09-03-2018	FRIDAY		
10-03-2018	SATURDAY	MS SPEAKTACULAR	
11-03-2018	SUNDAY	TSEC-MARATHON MS SPEAKTACULAR	HOLIDAY
12-03-2018	MONDAY		
13-03-2018	TUESDAY		
14-03-2018	WEDNESDAY		
15-03-2018	THURSDAY		
16-03-2018	FRIDAY	TSEC AWARDS CEREMONY	
17-03-2018	SATURDAY	TRIFLES	
18-03-2018	SUNDAY	TRIFLES	HOLIDAY
19-03-2018	MONDAY		
20-03-2018	TUESDAY		
21-03-2018	WEDNESDAY		
22-03-2018	THURSDAY		
23-03-2018	FRIDAY		
24-03-2018	SATURDAY	ROTARACT CLUB – COMMUNITY SERVICE EVENT	
25-03-2018	SUNDAY		HOLIDAY
26-03-2018	MONDAY		
27-03-2018	TUESDAY		
28-03-2018	WEDNESDAY		
29-03-2018	THURSDAY	MAHAVIR JAYANTI	HOLIDAY
30-03-2018	FRIDAY	GOOD FRIDAY	HOLIDAY
31-03-2018	SATURDAY		



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APRIL

DATE	DAY	ACTIVITY	REMARK
01-04-2018	SUNDAY		HOLIDAY
02-04-2018	MONDAY	PERIODIC TEST-2	
03-04-2018	TUESDAY	PERIODIC TEST-2	
04-04-2018	WEDNESDAY	PERIODIC TEST-2	
05-04-2018	THURSDAY		
06-04-2018	FRIDAY		
07-04-2018	SATURDAY		
08-04-2018	SUNDAY		HOLIDAY
09-04-2018	MONDAY		
10-04-2018	TUESDAY		
11-04-2018	WEDNESDAY		
12-04-2018	THURSDAY		
13-04-2018	FRIDAY		
14-04-2018	SATURDAY	BABASAHEB AMBEDKAR JAYANTI	HOLIDAY
15-04-2018	SUNDAY		
16-04-2018	MONDAY		
17-04-2018	TUESDAY		
18-04-2018	WEDNESDAY		
19-04-2018	THURSDAY		
20-04-2018	FRIDAY		
21-04-2018	SATURDAY		
22-04-2018	SUNDAY		HOLIDAY
23-04-2018	MONDAY	TERM END	
24-04-2018	TUESDAY		
25-04-2018	WEDNESDAY	RAM NAVMI	HOLIDAY
26-04-2018	THURSDAY		
27-04-2018	FRIDAY		
28-04-2018	SATURDAY		
29-04-2018	SUNDAY		HOLIDAY
30-04-2018	MONDAY		



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TSEC

CALENDAR OF ACADEMIC/ SPORTS / CULTURAL ACTIVITIES
FOR SESSION JULY 2016 TO DECEMBER 2016

JULY

Date	Day	Activity	Remark
01/07/16	Fri		
02/07/16	Sat		
03/07/16	Sun		
04/07/16	Mon		Holiday
05/07/16	Tue		
06/07/16	Wed	Ramzan Id	
07/07/16	Thu		Holiday
08/07/16	Fri		
09/07/16	Sat		
10/07/16	Sun		
11/07/16	Mon	Term Starts for SE TE BE	Holiday
12/07/16	Tue		
13/07/16	Wed		
14/07/16	Thu		
15/07/16	Fri		
16/07/16	Sat		
17/07/16	Sun		
18/07/16	Mon		Holiday
19/07/16	Tue		
20/07/16	Wed		
21/07/16	Thu		
22/07/16	Fri		
23/07/16	Sat		
24/07/16	Sun		
25/07/16	Mon		Holiday
26/07/16	Tue		
27/07/16	Wed		
28/07/16	Thu		
29/07/16	Fri		
30/07/16	Sat		
31/07/16	Sun		Holiday



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TSEC

CALENDAR OF ACADEMIC/ SPORTS / CULTURAL ACTIVITIES
FOR SESSION JULY 2016 TO DECEMBER 2016

AUGUST

Date	Day	Activity	Remark
01/08/16	Mon	Term Starts for FE	
02/08/16	Tue		
03/08/16	Wed		
04/08/16	Thu		
05/08/16	Fri		
06/08/16	Sat		
07/08/16	Sun		Holiday
08/08/16	Mon		
09/08/16	Tue	NSS Orientation	3 P.M. Onwards
10/08/16	Wed	IE (I) Orientation	3 P.M. Onwards
11/08/16	Thu		
12/08/16	Fri		
13/08/16	Sat	Students Council Avalanche	
14/08/16	Sun	Students Council Avalanche	Holiday
15/08/16	Mon	Independence Day	Holiday
16/08/16	Tue		
17/08/16	Wed	Parsi New Year	Holiday
18/08/16	Thu		
19/08/16	Fri		
20/08/16	Sat	CSI Technext	
21/08/16	Sun	CSI Technext	Holiday
22/08/16	Mon		
23/08/16	Tue		
24/08/16	Wed		
25/08/16	Thu		
26/08/16	Fri		
27/08/16	Sat		
28/08/16	Sun		Holiday
29/08/16	Mon	Periodic Test 1 for SE TE BE	
30/08/16	Tue	Periodic Test 1 for SE TE BE	
31/08/16	Wed	Periodic Test 1 for SE TE BE	



TSEC

CALENDAR OF ACADEMIC/ SPORTS / CULTURAL ACTIVITIES
FOR SESSION JULY 2016 TO DECEMBER 2016

SEPTEMBER

Date	Day	Activity	Remark
01/09/16	Thu		
02/09/16	Fri		
03/09/16	Sat	IETE ELAN	
04/09/16	Sun		
05/09/16	Mon	Ganesh Chaturthi	Holiday
06/09/16	Tue	Ganesh Chaturthi Vacation	Holiday
07/09/16	Wed	Ganesh Chaturthi Vacation	Holiday
08/09/16	Thu	Ganesh Chaturthi Vacation	Holiday
09/09/16	Fri	Ganesh Chaturthi Vacation	Holiday
10/09/16	Sat	Ganesh Chaturthi Vacation	Holiday
11/09/16	Sun	Ganesh Chaturthi Vacation	Holiday
12/09/16	Mon	Ganesh Chaturthi Vacation	Holiday
13/09/16	Tue	Bakri Id	Holiday
14/09/16	Wed		Holiday
15/09/16	Thu		
16/09/16	Fri		
17/09/16	Sat	Management Society CARMA	
18/09/16	Sun	Management Society CARMA	
19/09/16	Mon		Holiday
20/09/16	Tue		
21/09/16	Wed		
22/09/16	Thu		
23/09/16	Fri		
24/09/16	Sat	IE(I) Engineers Month Celebration	
25/09/16	Sun		
26/09/16	Mon	NSS Joy Of Giving Week	Holiday
27/09/16	Tue		
28/09/16	Wed		
29/09/16	Thu		
30/09/16	Fri		



TSEC

CALENDAR OF ACADEMIC/ SPORTS / CULTURAL ACTIVITIES
FOR SESSION JULY 2016 TO DECEMBER 2016

OCTOBER

Date		Activity	Remark
01/10/16	Sat	IIChE Chemergence	
02/10/16	Sun	Gandhi Jayanti IIChE Chemergence	Holiday
03/10/16	Mon		
04/10/16	Tue		
05/10/16	Wed	NSS Blood Donation Drive	
06/10/16	Thu		
07/10/16	Fri		
08/10/16	Sat		
09/10/16	Sun		Holiday
10/10/16	Mon	Periodic Test 2 SE TE BE	
11/10/16	Tue	Dussehra	Holiday
12/10/16	Wed	Muharram	Holiday
13/10/16	Thu	Periodic Test 2 SE TE BE	
14/10/16	Fri	Periodic Test 2 SE TE BE	
15/10/16	Sat		
16/10/16	Sun		Holiday
17/10/16	Mon		
18/10/16	Tue		
19/10/16	Wed		
20/10/16	Thu		
21/10/16	Fri		
22/10/16	Sat		
23/10/16	Sun		Holiday
24/10/16	Mon		
25/10/16	Tue		
26/10/16	Wed		
27/10/16	Thu		
28/10/16	Fri	Term Ends for SE TE BE	
29/10/16	Sat	Practicals and Orals Commence for SE TE BE	
30/10/16	Sun		Holiday
31/10/16	Mon	Diwali	Holiday

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TSEC			
CALENDAR OF ACADEMIC/ SPORTS / CULTURAL ACTIVITIES FOR SESSION JULY 2016 TO DECEMBER 2016			
NOVEMBER			
Date	Day	Activity	Remark
01/11/16	Tue		
02/11/16	Wed		
03/11/16	Thu		
04/11/16	Fri		
05/11/16	Sat		
06/11/16	Sun		Holiday
07/11/16	Mon		
08/11/16	Tue		
09/11/16	Wed		
10/11/16	Thu		
11/11/16	Fri		
12/11/16	Sat	Practicals and Orals End for SE TE BE	
13/11/16	Sun		Holiday
14/11/16	Mon	Gurunanak Jayanti	Holiday
15/11/16	Tue		
16/11/16	Wed		
17/11/16	Thu		
18/11/16	Fri		
19/11/16	Sat	Term Ends for FE	
20/11/16	Sun	Practicals and Orals Commence for FE	Holiday
21/11/16	Mon		
22/11/16	Tue	Commencement of Theory Exams for SE TE BE	
23/11/16	Wed		
24/11/16	Thu		
25/11/16	Fri		
26/11/16	Sat		
27/11/16	Sun	Practicals and Orals End for FE	Holiday
28/11/16	Mon		
29/11/16	Tue		
30/11/16	Wed		



Thadomal Shahani Engineering College
Bandra (W). Mumbai - 400 050.

TSEC

CALENDAR OF ACADEMIC/ SPORTS / CULTURAL ACTIVITIES
FOR SESSION JULY 2016 TO DECEMBER 2016

DECEMBER

Date		Activity	Remark
01/12/16	Thu		
02/12/16	Fri		
03/12/16	Sat	Commencement of Theory Exams for FE	
04/12/16	Sun		
05/12/16	Mon		Holiday
06/12/16	Tue		
07/12/16	Wed		
08/12/16	Thu		
09/12/16	Fri		
10/12/16	Sat		
11/12/16	Sun		
12/12/16	Mon		Holiday
13/12/16	Tue		
14/12/16	Wed		
15/12/16	Thu		
16/12/16	Fri		
17/12/16	Sat		
18/12/16	Sun		Holiday
19/12/16	Mon		
20/12/16	Tue		
21/12/16	Wed		
22/12/16	Thu		
23/12/16	Fri		
24/12/16	Sat		
25/12/16	Sun		Holiday
26/12/16	Mon		
27/12/16	Tue		
28/12/16	Wed		
29/12/16	Thu		
30/12/16	Fri		
31/12/16	Sat		

* Commencement of New Term : 4th January 2017



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

Sr. No	Activity Name
1	College Academic Advisory Committee Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



College Academic Advisory Committee Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.





MINUTES OF MEETING

Date: July 6, 2018
Time: 11:00 pm
Location: Principal Office

1.Convener: Prof . Jayant Gadge

In Attendance:

Dr. G.T.Thampi
Dr. Anita Kumari
Dr. Tanuja Sarode
Dr. M. Maniroja

Dr. Ashwini Kunte
Prof. C. S. Kulkarni
Prof. Sunil Gidwani
Prof.Sharmila Barve

Dr. Mita Bhowmick
Dr. Madhuri Rao
Prof. Mudita Dixit

Absentee:

Prof. Bharati Ingale

Prof. Mahesh Rao

2. Submitting NBA Accreditation report in next semester of A.Y 2018-19.
3. Prof C.S.Kulkarni is appointed as FE Incharge
4. Preparing the booklet for maintaining academic information of students and Professor I/G is Prof.Sunil Gidwani
5. Head of Departments are advised to keep track of their concern departments and coordinate with staff members to create new content if any for upgradation.

Dr.G.T.Thampi
(Principal)

Prof.Jayant Gadge
(Convener)



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

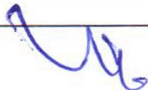
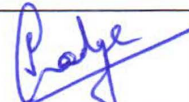
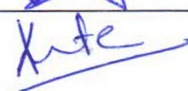
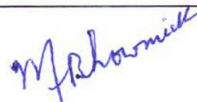



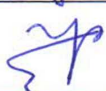



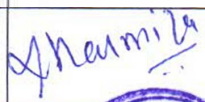


Date: 06/07/2018

THADOMAL SHAHANI ENGINEERING COLLEGE

Attendance Sheet

Academic Advisory Body meeting at 6th July 11 pm at Principal Office.

Sr No	Name	Signature
1	Dr. G.T.Thampi	
2	Mr. Jayant Gadge	
3	Dr. Ashwini Kunte	
4	Dr. Mita Bhowmick	
5	Dr. Anita Kumari	
6	Prof. C. S. Kulkarni	
7	Dr. Madhuri Rao	
8	Dr. Tanuja Sarode	
9	Prof. Sunil Gidwani	
10	Prof. Mudita Dixit	
11	Prof. Mahesh Rao	
12	Dr. M. Maniroja	
13	Prof. Bharati Ingale	
14	Prof.Sharmila Barve	


Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai-400 050.





MINUTES OF MEETING

Date: July 21, 2018

Time: 11:00 pm

Location: Principal Office

1. Convener: Prof. Jayant Gadge

In Attendance:

Dr. G.T.Thampi
Dr. Anita Kumari
Dr. Tanuja Sarode
Dr. M. Maniroja

Dr. Ashwini Kunte
Prof. Jayant Gadge
Prof. Sunil Gidwani
Prof Poonam Soni

Dr. Mita Bhowmick
Dr. Madhuri Rao
Prof. Mudita Dixit
Dr. R. K. Pathak

i

Absentee:

Prof Mahesh Rao

Prof. Sharmila Barve

1. Principal Dr. G. T. informed that Governing Council of HSNCB permitted repair work terrace of old TSEC building.
2. Principal Dr. G. T. informed that Governing Council of HSNCB agreed to closure of M.E. (Computer) course.
3. Principal asked visiting/ad-hoc faculties of chemical Engineering Department to maintain biometric attendance.

Dr.G.T.Thampi
(Principal)



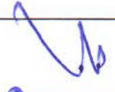
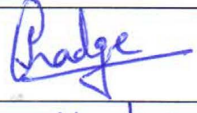



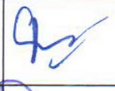


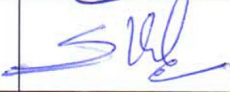


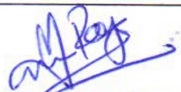
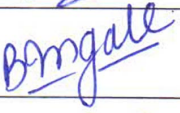


Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.

Prof.Jayant Gadge
(Convener)

THADOMAL SHAHANI ENGINEERING COLLEGE

Attendance Sheet

Academic Advisory Body meeting at 21st July 02:00 pm at Principal Office.

Sr No	Name	Signature
1	Dr. G.T.Thampi	
2	Mr. Jayant Gadge	
3	Dr. Ashwini Kunte	
4	Dr. Mita Bhowmick	
5	Dr. Anita Kumari	
6	Prof. R.K.Pathak	
7	Dr. Madhuri Rao	
8	Dr. Tanuja Sarode	
9	Prof. Sunil Gidwani	
10	Prof. Mudita Dixit	
11	Prof. Mahesh Rao	
12	Dr. M. Maniroja	
13	Prof. Bharati Ingale	
14	Prof.Sharmila Barve	
15	Prof. Poonam Soni	




Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



MINUTES OF THE MEETING

Date: 23/02/2019

Time: 11 A.M.

Location: Principal office

Convenor: Prof Jayant Gadge

In attendance:

Dr. G.T. Thampi
Dr. R.K. Pathak
Prof. Sunil Gidwani
Prof Sharmila Barve

Dr. Ashwini Kunte
Dr. Tanuja Sarode
Prof. Mudita Dixit
Prof. Bharti Ingle

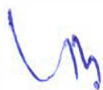
Dr. Mita Bhowmick
Dr. Madhuri Rao
Prof. Mahesh Rao

Dr. Anita Kumari
Dr. Mani Roja
Prof. Poonam Soni

Absentee:

Nil

1. Submitting NBA Accreditation Report for Chemical Engineering department by the end of this semester. (AY 2018-19)
2. Revised PEO and PSO for Chemical Engineering Department were presented and approved.
3. Revised Mission and Vision statement of Chemical Engineering Department were presented and approved.
4. HOD, Chemical Engg is advised to form Program Assessment Committee(PAC) and Quality Improvement Committee(QIC).



Dr. G. T. Thampi
(Principal)



Prof. Jayant Gadge
(Convenor)



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Chemical Engineering Department

Vision

To be a learning organization to provide total solution for sustainable industrial business in the realm of chemical engineering process, biotechnology, material technology, energy and environment, by leveraging evolving information communication technology.

Mission

1. Radically modify the curriculum design process to be abreast with new changes in the core and auxiliary enabling technology. (M1)
2. Create world class experimental facilities for carrying investigation and research in biotechnology. (M2)
3. Create center of Excellency in environmental studies and research. (M3)
4. Train students about ethical and societal impact of their professional activities. (M4)
5. Create world class laboratories to further the cause of material technology. (M5)
6. Initiate startup in space based energy generation and related research. (M6)
7. Initiate students to entrepreneur training, industrial finance and risk management. (M7)
8. Constitute a chair to promote the necessity and virtue of sustainable development model for industrial activity. (M8)

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO1:** To provide comprehensive chemical engineering education based on the solid foundations of basic sciences (physics, advanced mathematics and chemistry), engineering sciences, humanities & social sciences and management through choice based credit system
- PEO2:** To impart knowledge and experience in conceptual and applied problem solving skills required for innovative chemical engineering research and chemical industries
- PEO3:** To make students capable of using advanced computational and design techniques and their applications in chemical engineering field
- PEO4:** To enable the students to become successful professionals (in industry, government, academia, research, entrepreneurial pursuit and consulting firms) with excellent communication skills, integrity, ethics, scientific temperament to work for betterment of society by focusing on environmental- societal and industrial issues

PROGRAM SPECIFIC OUTCOMES (PSOs)

- PSO1:** Graduates will apply knowledge of basic engineering sciences in the field of chemical engineering to create sustainable products and process.
- PSO2:** Graduates will have propensity to design and develop new and existing chemical operation and process based on standard specification.
- PSO3:** Graduates will be able to use advanced computational and design techniques in chemical engineering field.
- PSO4:** Graduates will become successful professionals (in industry, government, academia, research, entrepreneurial pursuit and consulting firms) with excellent communication & scientific skills, integrity, ethics and will work for the betterment of society by focusing on environmental, societal and industrial issues.



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



MINUTES OF MEETING
ACADEMIC ADVISORY BODY

Date: 12th April 2019

Time: 12:15 pm

Venue: Room 105

1. Convener: Dr. G.T.Thampi

In Attendance:

Prof. Jayant Gadge

Dr.Ashwini Kunte

Dr.Mita Bhowmick

Dr.Mani Roja M

Dr.Madhuri rao

Dr.Tanuja Sarode

Dr.Anita Kumari

Dr.R.K.Pathak

Dr.Archana patankar

Prof. Anjali Malviya

Prof. Sunil Gidwani

Prof. Mudita Dixit

Dr.Mansha Kotwani

Prof.Poonam Soni

Prof. Monica Tolani


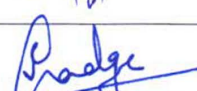
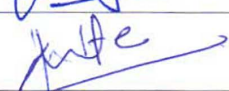











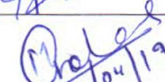
2. HOD's are advised to keep track of Internship Activities of respective Departments.
3. HOD's should forward messages to all students & initiate more participation in activities.
4. Institute Level Subjects shall be Operation Research, Cyber Security & Laws, Management Information System, Disaster Management and Mitigation Measures, Energy Audit & Management.
5. Computer Department shall offer Management Information System, IT Department shall offer Management Information System, Cyber Security & Laws, Mathematics Department- Operation Research, Biomedical Engineering shall offer Disaster Management and Mitigation Measures, Chemical Engineering Department shall offer Energy Audit & Management.
6. Tentatively 3 Batches for Management Information Systems, 2 Batches for Operation Research, 1 Batch for Cyber Security & laws, 1 Batch for Disaster Management and Mitigation Measures, 1 Batch for Energy Audit & Management
7. Saturday Slot shall be assigned for offering Institute Level Electives to B.E students.
8. Every Department is expected to submit 1 page of Subject Profile of Elective they are offering.
9. Exhort Students for training & coding competitions.
10. Every HOD should focus on competency building activities.


Dr G.T.Thampi
Principal



ACADEMIC ADVISORY BODY

Academic Advisory Body Meeting held on 12th April 2019 at 12:15 pm -Principal Office.

<u>Sr. No</u>	<u>Name</u>	<u>Signature</u>
1.	Dr. G.T.Thampi	
2.	Prof. Jayant Gadge	
3.	Dr. Ashwini Kunte	
4.	Dr. Mita Bhowmick	
5.	Dr. Mani Roja M	
6.	Dr. Madhuri Rao	
7.	Dr. Tanuja Sarode	
8.	Dr. Anita Kumari	
9.	Dr. R.K.Pathak	
10.	Dr. Archana Patankar	
11.	Prof. Anjali Malviya	
12.	Prof. Mahesh Rao	
13.	Prof. Sharmila Barve	
14.	Prof. Sunil Gidwani	
15.	Prof. Mudita Dixit	
16.	Prof. Gopal Pardesi	
17.	Prof. Poonam Soni	
18.	Prof. Monica Tolani	



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



MINUTES OF MEETING
ACADEMIC ADVISORY BODY

Date: 08th July 2019

Time: 11: 00am

Venue: Room 105

1. Convener: Dr. G.T.Thampi

In Attendance:

Prof. Jayant Gadge

Dr.Mani Roja M

Dr.Tanuja Sarode

Dr.Anita Kumari

Dr.R.K.Pathak

Prof. Anjali Malviya

Prof.Sharmila Barve

Prof.Gopal Pardesi

Prof.Poonam Soni

Prof. Monica Tolani

2. NBA Visit for Chemical Engineering Department is scheduled on 25th & 26th August 2019, 25th August shall be a working day.

3. Payment of Fees for Academic Year 2019-20 shall be immediately after the declaration of result, Office Staff is instructed regarding the same.

4. Department is instructed to spread awareness about Campus Placement from Second Year Onwards.

5. All departments are instructed to strengthen Internship Activity.

6. To provide one point solution to parents by creating academic ambience/competency building exercises.

7. Student should be engage positively to minimize absenteeism and bring them normal course of academic engagement.

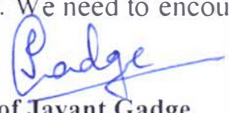
8. College shall provide all the assistance to organize activities which add value to building competency to student.

9. All members agreed to avoid manual writing of lab experiments and all such similar non value activities.

10. All departments are expected to encourage student for Hackthons.

11. All departments are expected to submit more Mumbai University Minor Research Grant Proposal and all departments shall submit minimum 5 Minor Grant Research Proposal in next meeting schedule on 29th July 2019.

12. We need to encourage student to Join MOOC's/NPTEL/Coursera and other online course.


Prof. Jayant Gadge
Convener

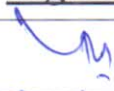



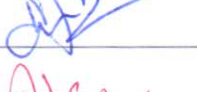





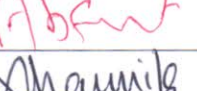
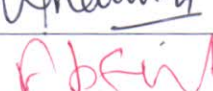
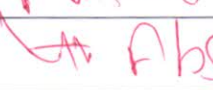

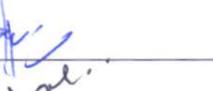




Dr G.T.Thampi
Principal


Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



ACADEMIC ADVISORY BODY

Academic Advisory Body Meeting held on 08th July 2019 at 11:00 am -Principal Office.

<u>Sr. No</u>	<u>Name</u>	<u>Signature</u>
1.	Dr. G.T.Thampi	
2.	Prof. Jayant Gadge	
3.	Dr. Ashwini Kunte	
4.	Dr. Mita Bhowmick	
5.	Dr. Mani Roja M	
6.	Dr. Madhuri Rao	
7.	Dr. Tanuja Sarode	
8.	Dr. Anita Kumari	
9.	Dr. R.K.Pathak	
10.	Dr. Archana Patankar	
11.	Prof. Anjali Malviya	
12.	Prof. Mahesh Rao	
13.	Prof. Sharmila Barve	
14.	Prof. Sunil Gidwani	
15.	Prof. Mudita Dixit	
16.	Prof. Gopal Pardesi	
17.	Prof. Poonam Soni	
18.	Prof. Monica Tolani	



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



MINUTES OF MEETING ACADEMIC ADVISORY BODY

Date: 3rd October 2019

Time: 12:00 pm

Venue: Room 105

Chairman: Dr. G.T.Thampi

In Attendance:

Dr. Jayant Gadge	Dr.Ashwini Kunte	Dr.Mita Bhowmick
Dr.Mani Roja M. E	Dr.Madhuri Rao	Dr.Tanuja Sarode
Dr.R.K.Pathak	Dr.Archana Patankar	Prof. Anjali Malviya
Dr.Arun Kulkarni	Prof. Sunil Gidwani	Dr.Gopal Pardesi
Prof. Mukesh Israni	Prof. Sharmila Barve	Prof. Chetan Agarwal
Dr.Bhushan Jadhav	Dr. Poonam Soni	Prof. Monica Tolani

The following consensuses are discussed in the meeting:

1. Every department is expected to understand the changing curriculum and pedagogy and shall make an attempt to sensitize all concerns of drastic change in Higher & Professional Education.
3. Every HOD is expected to discuss the prospects of autonomy and shall discuss the feedback in the next meeting.
4. Based on the feedback, following Institute Level Subjects are decided:

Subject Name	Department Offering
I. Project Management	Computer Department, Information Technology
II. Human Resource Management	Electronics & Telecommunication, Computer Department
III. Research Methodology	Mathematics Department
IV. Environmental Management	Chemical Engineering

5. HOD's are expected to submit the Internship data along with complete documentation and proof.
6. Departments are expected to collect, analyze, maintain results of every semesters of all students and should take corrective measures to improve student performance.


Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai -400 050.



7. Department can consider the change of title/nomenclature as per the AICTE Approval Process Handbook 2019-20 and forth coming APH 2020-21 and department are expected to submit the new course structure as per the title decided once the new APH is release.
8. No stone unturned for nurturing the students and gap between teacher & student should be reduced, possibility of productive engagement of student shall be improved.
9. HOD's should submit departmental budget at the start of financial year, and they are expected to prepare the draft of the proposed budget and submit in the next meeting.
10. Every department should collect Facilities feedback by student; general format of the feedback shall be prepared and circulated to all departments.
11. Teachers are expected to take their own feedback, collect & document the same.
12. Department can offer student internship in form of Research Assistantship.
13. EXTC department is expected to approve the new vision & mission statement in the next meeting.
14. Next meeting of committee is scheduled on 22nd October 2019.



Prof. Jayant Gadge
Convener



Dr G. T. Thampi
Principal


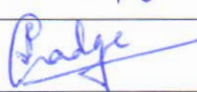
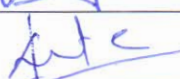
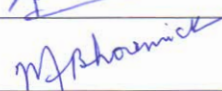
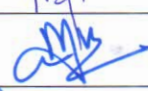



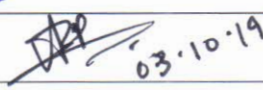
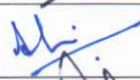



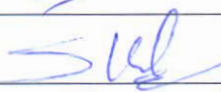

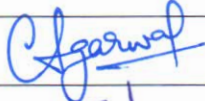





Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



ACADEMIC ADVISORY BODY

Academic Advisory Body Meeting held on 03rd October 2019 at 12:00 pm - Principal Office.

<u>Sr. No</u>	<u>Name</u>	<u>Signature</u>
1.	Dr. G T Thampi	
2.	Dr. Jayant Gadge	
3.	Dr. Ashwini Kunte	
4.	Dr. Mita Bhowmick	
5.	Dr. Mani Roja M.E	
6.	Dr. Madhuri Rao	
7.	Dr. Tanuja Sarode	
8.	Dr. R K.Pathak	
9.	Dr. Archana Patankar	
10.	Prof. Anjali Malviya	
11.	Dr. Arun Kulkarni	
12.	Dr. Elizabeth Joseph	ABSENT
13.	Prof. Mukesh Israni	
14.	Prof. Sharmila Barve	
15.	Prof. Sunil Gidwani	
16.	Dr. Gopal Pardesi	
17.	Prof. Chetan Agarwal	
18.	Dr. Bhushan Jadhav	
19.	Dr. Prof. Poonam Soni	
20.	Prof .Monica G. Tolani	



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



MINUTES OF MEETING ACADEMIC ADVISORY BODY

Date: 17th March 2020

Time: 11:00 am

Venue: Room 105

1. Chairman: Dr. G.T.Thampi

In Attendance:

Dr. Jayant Gadge	Dr.Ashwini Kunte	Dr.Mani Roja M. E
Dr.R.K.Pathak	Dr.Madhuri Rao	Prof. Anjali Malviya
Dr.Arun Kulkarni	Prof. Sunil Gidwani	Dr.Gopal Pardesi
Prof. Mukesh Israni	Prof. Chetan Agarwal	Dr.Bhushan Jadhav
Dr.Poonam Soni	Prof. Monica Tolani	

The following consensuses are discussed in the meeting:

1. Strategy planning and assigning work during the “Work from Home” period so as to continue teaching & learning process.
2. Head of the Departments shall assign duty to all teachers & decide on the timelines for completion of the syllabus.
3. Various technological tools possible at remote location to continue teaching & the learning process in a more effective way were discussed.
4. E-Content of all the subject to be circulated amongst the student, a record of the same shall be documented and periodic quizzes to be conducted during this period to check well preparedness of the students.
5. Teachers’ efforts shall revolve around not to postpone the exams and to conduct practical/viva voce/internal test on timeline decided/declared.
6. Periodic Test 2 to be conducted immediately after the college reopening and question bank shall be circulated amongst the students well in advance for well preparedness in all the subjects.
8. Head of Department should send a message to all the student regarding the availability of teachers for clarification of doubts/doubt solving/queries related to the subject content.
9. External examiners for upcoming viva voce/practical exams should be fixed and to reaffirm the dates fixed for the exam.
10. Final Year Student to be advised to complete the Black Book, amounting to findings of their work that they have carried out during the due course of the project.

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11. Institute Level Subjects shall be Operation Research, Cyber Security & Laws, Management Information System, Disaster Management and Mitigation Measures.

12. Head of the Department shall circulate respective Department Level Elective Form.

13. Dr. Mani Roja shall circulate Institute Level Elective Form to all students across all six departments & as well as Department Level Elective Form for Chemical Engineering, Biomedical Engineering & Biotechnology; Biomedical Engineering head of the department & Dr. Gauri Shukla are requested to further disseminate the information & follow up.

14. Faculties were advised to submit various FDP/Research Grant Proposals to AICTE/DST or any other funding agency.

15. Minutes of IQAC meeting were discussed and suggestions regarding the same were welcomed.

16. Letter to be forwarded to university for not delaying the University Exams and meticulous adoption of various technological tools adopted during “Work from Home” period to continue teaching & learning process.



Dr G.T.Thampi
Principal



Dr. G. T. Thampi
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MINUTES OF MEETING ACADEMIC ADVISORY BODY

Date: 27th October 2020

Time: 12:30 PM

Venue: Online Zoom Platform

1. Chairman: Dr. G. T. Thampi

In Attendance:



Dr. Ashwini Kunte	Dr. Mita Bhowmick	Dr. Maniroja Edinburgh
Dr. R.K. Pathak	Dr. Madhuri Rao	Dr. Tanuja Sarode
Dr. Anita Kumari	Dr. Archana Patankar	Prof. Anjali Malviya
Dr. Jayant Gadge	Dr. Arun Kulkarni	Dr. Elizabeth Joseph
Prof. Sunil Gidwani	Dr. Gopal Pardesi	Prof. Mukesh Israni
Prof. Sharmila Barve	Dr. Poonam Soni	Dr. Arti Deshpande
Dr. Bhushan Jadhav	Prof. Praseeda Nambisan	Prof. Monica Tolani

The following consensuses are discussed in the meeting:

1. Deciding on the schedule for conduction of Internal Assessment 2 for current academic year
2. Slots for conduction of Internal Assessment 2 shall be from 5th November to 12th November 2020
3. Based on the upcoming unlock guidelines from the state government, college shall suggest to the university for a schedule to complete practical session for the current semester subjects
4. Maximum of 20 days shall be allotted for completion of subject practical if government guidelines permit and whole day shall be engaged for conduction of practical, students shall be called in groups so that simultaneous conduction of practical sessions are possible
5. Internal KT examination of the lower semesters shall be conducted after 15th November 2020


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Dr G. T. Thampi
Principal

Dr. G. T. Thampi
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Bandra (W), Mumbai - 400 050.



MINUTES OF MEETING ACADEMIC ADVISORY BODY

Date: 09th February 2021

Time: 11:00 AM

Venue: Online Zoom Platform

1. Chairman: Dr. G. T. Thampi

In Attendance:

Dr. Mita Bhowmick	Dr. Maniroja Edinburgh	Dr. Madhuri Rao
Dr. Tanuja Sarode	Dr. Anita Kumari	Prof. Anjali Malviya
Dr. Jayant Gadge	Dr. Arun Kulkarni	Dr. Elizabeth Joseph
Dr. Gopal Pardesi	Prof. Mukesh Israni	Prof. Nita Mehta
Dr. Poonam Soni	Prof. Sharmila Barve	Dr. Mansha Kotwani
Prof. Chetan Agarwal	Dr. Arti Deshpande	Dr. Bhushan Jadhav
Prof. Praseeda Nambisan	Prof. Monica Tolani	

The following consensuses are discussed in the meeting:

1. Deciding on the time of reopening college for physical classes.
2. All departments are expected to send google form to parents through students and take their consent on: Whether they prefer 15th March 2021 or 2nd April for starting of offline classes and are they satisfied with current level of engagement through online platform.
3. Consent responses collected shall be forwarded to the Principal by Head of Department.
4. If some department wants offline engagement of classes sparingly that can be considered. They can submit the proposal and that shall be decided by the Head of Department.
5. Theoretical syllabus can be completed first and then for practical sessions, students shall be called in batches, Teachers and Head of the Department to decide on that.
6. Computer driven practical can be conducted online, offline practical sessions can be conducted towards the end of March/first week of April.
7. Periodic tests shall be scheduled on completion of 40% & 80% of syllabus respectively through online mode.
8. Every teacher can decide on timelines for conduction of periodic test and are expected to submit the marksheet copy to Head of Department & College. Head of the Department shall decide the time framework for submission of the periodic test marks.



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9. If any students wish to report to college before 15th March for project engagement, then students are expected to submit parents' consent to Head of Department through email.
10. Collectively it was decided by all Academic Advisory members to reopen/start physical classes from 15th March 2021 or 1st week of April 2021.
11. One more meeting of shall be conducted on the receipt of University schedule of examination.



Dr. G. T. Thampi
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Dr G. T. Thampi
Principal

1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

Sr. No	Activity Name
1	2020-21 Department Academic Advisory Minutes of Meetings
2	2019-20 Department Academic Advisory Minutes of Meetings
3	2018-19 Department Academic Advisory Minutes of Meetings
4	2017-18 Department Academic Advisory Minutes of Meetings
5	2016-17 Department Academic Advisory Minutes of Meetings



Dr. G. T. Thampi
 PRINCIPAL
 Thadomal Shahani Engineering College
 Bandra (W), Mumbai - 400 050.



Department Academic Advisory Committee

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



2020-2021

Department Academic

Advisory Committee

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Thadomal Shahani Engineering College

Computer Engineering Department

Minutes of online meeting of Department Advisory Committee (DAC)

Ref. No. DAC No.01/2021

Online meeting of Department Advisory committee was held on Saturday, 7th August 2021 at 11:00 am through Teams Meeting app, when following members were present:-

1	Dr. G. T. Thampi	Principal TSEC (Convenor DAC)
2	Dr. Parmanand Budhwani,	Law officer, MSRDC, (Parent), Member DAC
3	Mr. Sushil Ingle	Manager, Cloud Service Delivery, Cap Gemini (Industry Expert), Member DAC
4	Mr. S. N. Pundkar	Head, Computer Department, SNTD, Mumbai (Alumni), Member DAC
5	Dr. Tanuja Sarode	Professor & Head of Computer Engineering Department, Member DAC
6	Dr. Archana Patankar	Professor, Member DAC
7	Dr. Jayant Gadge	Associate Professor, Member DAC
8	Dr. Anil Chhangani	Associate Professor, Member DAC
9	Ms. Vaishali Suryawanshi	Assistant Professor, Member DAC

1. Dr. Tanuja Sarode introduced new member and welcome all the DAC members.
2. Ms. Vaishali Suryawanshi briefed the members about the agenda of the meeting.
3. Ms. Vaishali Suryawanshi proposed the criteria for CO attainment as given below and Dr. Archana Patankar and Dr. Anil Chhangani seconded the proposed criteria and it was also accepted by all the members.

CO attainment Criteria (Previous)	Proposed CO attainment Criteria	Attainment Level
More than 80% students got above 45%	More than 80% students got above 50%	3
60% < 80% students got above 45%	60% < 80% students got above 50%	2
Less than 60% students got above 45%	Less than 60% students got above 50%	1



Dr. G. T. Thampi
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4. Dr. Tanuja Sarode proposed two program specific outcomes (PSO) as mentioned below and her proposal was seconded by Dr. Jayant Gadge and accepted by all the committee members.

PSO1: To exhibit competency in emerging technologies like Block chain, Artificial Intelligence and Data Science, Data analytics and Cloud services driven computational procedures.

PSO2: To acquire the ability to work in multidisciplinary environment while demonstrating leadership skills with effective communication and adapt to nascent technologies for self and lifelong learning.

5. Dr. G. T. Thampi appreciated the PSOs as ambitious and commendable. He mentioned efforts can be put towards practicing and developing instructional content to achieve the competency in emerging technologies.
6. Dr. G. T. Thampi proposed to invite guest lectures from academia/industry experts to impart the guidance in order to improve students' engagement through experiments, internships and training programs.
7. Mr. S. N. Pundkar suggested the engagement of students in the internship programs shall be for longer duration and Dr. G. T. Thampi upheld his opinion saying to the longer duration internships would help the students to understand the working pattern in the industry. He also mentioned about the weekend online internship trend followed by students during the lockdown.
8. Dr. G. T. Thampi suggested inviting talks from external/government agencies followed by conducting feedback to identify the students who have innate ability for business processes and are motivated for start-ups and entrepreneurship. These students can be encouraged and supported by provided the space for the start-up and incubation center.
9. Mr. Sushil Ingle suggested to have a proper governance structure and having a quarterly meeting to promote the start-ups. He also mentioned about the virtual meeting (since pandemic) to be conducted with the interested students. Dr. G. T. Thampi seconded his opinion saying we will formalize and it is advisable to have a serious governance structure for clarity.
10. Mr. S. N. Pundkar suggested to have a dedicated faculty to take care of the activities related to incubation center. Dr. G. T. Thampi welcomed his suggestion and informed him about the existing structure.
11. Dr. G. T. Thampi advised that faculty should focus on upgrading and perpetuating their knowledge by initiating projects based on the emerging technologies. He also suggested to have a procedure in place to encourage the faculties to upgrade themselves with emerging technologies/practices. Mr. Parmanand Budhwani appreciated the efforts of the faculty and also supported Dr. G. T. Thampi's views.

Dr. G. T. Thampi (Convenor DAC)

Principal, TSEC



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Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai-400 050.



Attendance Record of Online Computer Engineering Department Meeting held 7th August 2021 at 11:00 am

Meeting Summary			
Total Number of Participants	9		
Meeting Title	General		
Meeting Start Time			
Meeting End Time			
Debug Id			
Full Name	Join Time	userPrincipalName	Role
Tanuja Sarode	07/08/2021, 10:53:22	Tanuja13024@tsecedu.org	Organiser
Vaishali Suryawanshi	07/08/2021, 10:56:25	Vaishali13035@tsecedu.org	Presenter
Anil Chhangani	07/08/2021, 10:58:00	Anil13028@tsecedu.org	Presenter
Jayant Gadge	07/08/2021, 10:59:10	Jayant13026@tsecedu.org	Presenter
Sumedh Pundkar VisFac	07/08/2021, 10:59:29	Sumedh.PundkarVisFac@svkmmumbai.onmicrosoft.com	Presenter
Ingle, Sushil	07/08/2021, 11:03:00	sushil.ingle@capgemini.com	Presenter
Archana Patankar	07/08/2021, 11:03:31	Archana13025@tsecedu.org	Presenter
P W BUDHWANI (Guest)	07/08/2021, 11:05:32		Presenter
gtt (Guest)	07/08/2021, 11:07:21		Presenter



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Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Minutes of Meeting

Department Advisory Committee Meeting

Time: 7.00 pm to 7.45 pm

Date:
23.08.2021

Attendees:

Dr. Elizabeth.B.Joseph	Associate Professor & Head of Department
Dr. Anita Kumari	Professor
Prof. Nita Mehta	Associate Professor
Mr. Atul Choudhari	Industry Expert
Mr. Jayesh Tekchandaney	Alumni
Mr. Sam Maladkar	Parent
Mr.Saket Mundra	Student

Dr. Elizabeth.B.Joseph welcomed the attendees to the Department Advisory Committee Meeting and updated on the activities of the department. They were informed that Dr. Anita Kumari has handed over charge as head of department to Dr. Elizabeth.B.Joseph.

Mr. Atul Choudhari suggested that various groups on chemical engineering topics could be made for the purpose of discussion and sharing of knowledge. These could develop interest in students and built confidence in out going students.

Mr. Jayesh Tekchandaney suggested use of online video by renowned professors for enriched learning.


Mr. Sam Maladkar offered opportunity for few students to do internship in industry .


Dr. Anita Kumari discussed on research and publication viability for students.

Prof. Nita Mehta talked about various initiatives by the department like expert lecture series by eminent alumni on chemical engineering and allied topics, placement training and mentorship by experienced alumni for projects.

Saket Mundra was encouraged to collaborate with student and teaching fraternity for efficient learning experience of students.

Dr. Elizabeth.B.Joseph concluded the meeting by thanking everyone for their valuable input .


Dr. G. T. Thampi
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2019-2020

Department Academic

Advisory Committee

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Minutes of Meeting of Department Advisory Committee (DAC) of Computer Engineering
Department held on 19- 01 - 2019 at 11:00 am

The Third meeting of DAC of Computer Engineering Department was held on 19 – 01 - 2019, in Room no. 204 at 11:00 AM. The meeting was chaired by Dr. G. T. Thampi. All the eight members were present for the following discussion.

- I. Dr. Tanuja K. Sarode read out minutes of meeting held on 13 – 10 - 2018.
- II. Dr. G. T. Thampi emphasized on correlating Program Educational Objectives(PEO) with the Vision-Mission statements of the program.
- III. Following PEO's were decided after brainstorming session

Program Education Objectives

1. To aspire successful carrier utilizing technical and professional skills while complying with ethical standards
2. To provide techno-social solutions through communication, entrepreneurial, collaborative and engineering skills.
3. To help learners to develop competency in specialized areas like deep learning, data science, business intelligence, block chain technologies, etc.
4. To inculcate to comprehend, analyze, design and build software/hardware solutions for real time problems.
5. Indulge in lifelong learning through higher studies, research and continuing education.

- IV. Head of the department Dr. Tanuja K. Sarode thanked all the members.



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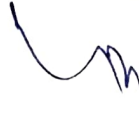

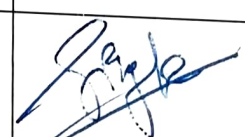
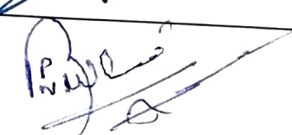






THADOMAL SHAHANI ENGINEERING COLLEGE, BANDRA (W)
COMPUTER ENGINEERING DEPARTMENT

Department Advisory Committee Attendance

Date:- 19.01.2019

Time:- 11:00 am

Sr. No	Name	Signature
1	Dr. G. T. Thampi	
2	Mr. S. N. Pundkar	
3	Mr. Sushil Ingle	
4	Dr. Parmanand Budhawani	
5	Dr. Tanuja Sarode	
6	Dr. Archana Patankar	
7	Mr. Jayant Gadge	
8	Dr. Anil Chhangani	





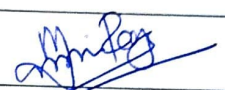

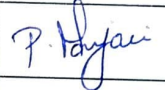
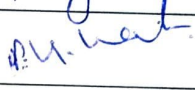



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THADOMAL SHAHANI ENGINEERING COLLEGE

Attendance for Department advisory board (EXTC)

Meeting held on 30th March 2019

Sr. No.	Name	Type of stake holder	Signature
1.	Dr. G. T. Thampi	Convener	
2.	Dr. Ashwini Kunte	HOD/Staff	
3.	Mr. K. K. Mathew	Secretary/Staff	
4.	Dr. Mani Roja	Staff	
5.	Ms. Anuradha Rao	Staff	
6.	Mrs. Mani Manjari Pittala	Parent	
7.	Dr. Parul Shah	Industrial Expert	
8.	Ms. Seema Wadhvani	Industrial Expert/Alumni	
9.	Mr. Vikram Apte	Student	
10.	Ms. Himbindu Reddy	Student	



Dr. G. T. Thampi
PRINCIPAL
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Minutes of Department Advisory Board (EXTC) meeting held on 30th March 2019

A meeting of the Department Advisory Board (EXTC) members was held on 30th March 2019 at 11.00 AM in Room No. 103 under the Chairmanship of Dr. G. T. Thampi, Convener-DAB, Principal, TSEC.

Total 9 members attended the meeting. Ms. Seema Wadhwani was absent.

Principal in his opening address talked about teaching learning process and what is expected from students point of view is understanding market place and the requirement of various competency in organizations. He also said, it is important that curriculum should be setup according to the market needs, however since we are working under a setup framed by Mumbai University it is difficult to setup such needs within the frame. He suggested that we can indulge in bringing Industrial experts and bring in knowledge in the mind of students as per the demand of Industry. Electronic Industries are going to get a boom in India and it is expected that branch of EXTC will be in great demand in coming future.

He requested the student members, Parent representative & the Industrial expert to give their feedback.

Ms. Himabindu (Student member) spoke about more Hand on experience than emphasis on theory.

Principal in this reply said, as graduate engineers he or she should be expert in design and knowledge in new development across the world, diploma engineers and technical know how people can always over shine graduate engineers.

Ms. Pittala (Parent representative) talked positively of the department and she hope the same will continue for the years to come.

Mr. Vikram (Student member) requested more time should be provided to students in laboratory & he said all labs should be available from 10.AM to 5.00 PM. for students.

Members all felt this suggestion can be implemented.

Dr. Parul Shah in her remark suggested


1. The staff member can divide the topic among the students and make them present the topic. This will make every group to be master of that topic.
2. If lecture can be video recorded and made available in sites this will give the students or any other member to understand the topic at any point of time.
3. Alumini should be called for expertise lectures in their field of work.

Dr. Ashwini Kunte – Head of Department requested secretary to read the minutes of DAB (EXTC) meeting dated 13th January 2018.

The secretary read the minutes and the same was approved unanimously by members.

Dr. Ashwini Kunte informed all members that the Department is accredited till June 2022.

Members appreciated.


Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
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She also read the revised mission & PEO's of the department which was circulated among all the members.

Meeting unanimously approved the same.

It was decided the members should participate their interaction through mail for the improvement of department any time.

Secretary thanked all members and meeting ended at 12.30 PM.



K.K. Mathew

Secretary-DAB (EXTC)

Read and approved in the DAB meeting dated 15/02/2020



Dr. G. T. Thampi (Convenor DAB)

Principal, TSEC





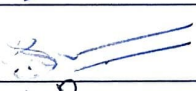


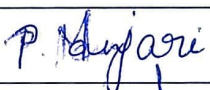



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai-400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE

Attendance for Department advisory board (EXTC)

Meeting held on 15th February 2020

Sr. No.	Name	Type of stake holder	Signature
1.	Dr. G. T. Thampi	Convener	
2.	Dr. Ashwini Kunte	HOD/Staff	
3.	Mr. K. K. Mathew	Secretary/Staff	
4.	Dr. Mani Roja	Staff	
5.	Ms. Anuradha Rao	Staff	
6.	Mrs. Mani Manjari Pittala	Parent	
7.	Dr. Parul Shah	Industrial Expert	
8.	Ms. Seema Wadhwani	Industrial Expert/Alumni	
9.	Mr. Vikram Apte	Student	
10.	Ms. Himbindu Reddy	Student	



Dr. G. T. Thampi
PRINCIPAL
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Bandra (W), Mumbai - 400 050.



Minutes of Department Advisory Board (EXTC) meeting held on 15th February 2020

(Yet to be approved)

A meeting of the Department Advisory Board (EXTC) members was held on 15th February 2020 at 11.00 AM in Room No. 103 under the Chairman ship of Dr. G. T. Thampi, Convener-DAB, Principal, TSEC.

Total 9 members attended the meeting. Ms. Seema Wadhvani was absent.

Secretary Mr. K. K. Mathew welcomed the Principal, parents, students and the faculty members. He then read the minutes of DAB (EXTC) meeting held on 30th March 2019. Members present approved unanimously.

Convenor Principal Dr. G. T. Thampi requested student members to point out their feedback and suggestions. Student's representative Ms. Himabindu Reddy and Mr. Vikram Apte talked the following points:

1. Reference Books: We find it difficult to refer to the reference books. To inculcate interest in the subject we can conduct open book tests and also conduct quiz from some topics covered in the reference books.
2. Syllabus Revision: Department should encourage Student representative to meet the Board of studies and get the syllabus revised as per industry requirement. Subjects like Data Analytics and Artificial Intelligence must be introduced in all departments.
3. Interdisciplinary Projects: Students from different departments should form project group and work on interdisciplinary projects.
4. Video recording of Lectures: All lectures should be recorded and made available. Students who miss lectures can catch up and come for the next lecture.

Prof. Parul Shah talked about the importance of bringing subject and industrial experts to give students good exposure. Also she said it is noted only IT companies were coming for placement in campus. Department should promote core companies to visit the campus.

Secretary thanked all members present and requested to give suggestion and feedback to HOD. Meeting ended at 01.00 PM



K.K. Mathew
Secretary-DAB (EXTC)

Read and approved in the DAB meeting dated

Dr. G. T. Thampi (Convenor DAB)
Principal, TSEC



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



2018-2019

Department Academic

Advisory Committee

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



**THADOMAL SHAHANI ENGINEERING COLLEGE****NOTICE**

A meeting of members of IT Department Advisory Committee (ITDAC) will be held on 12/10/2018 at 1:00pm, in Room No. 906 of the New Building of the college. You are requested to kindly attend the meeting.

Agenda:

1. Informing the committee about revision of PEOs
2. Approval of revised PEOs.
3. Anything else with the permission of the Chair.

Chairman
(G. T. Thampi)

CC to:

1. Dr. Madhuri Rao
2. Ms. Archana Kale
3. Ms. Anjali Malviya
4. Mr. Arun Kulkarni
5. Mr. Jalkisan Vaswani
6. Ms. Bilkish Musa Janjiriya
7. Mr. Bhavik Bansali
8. Mr. Santosh Shukla
9. Mr. Akash Mishra

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE

Department of Information Technology

Minutes of Meeting of the IT Department Advisory Committee (ITDAC), held on 12-10-2018

Meeting of ITDAC was held on 12th October, 2018, in Room no. 906. The meeting was chaired by Dr. G. T. Thampi.

1. Dr. Madhuri Rao, HoD IT, read out the Minutes of the previous ITDAC meeting.
2. Dr. Madhuri Rao informed the committee that the PEOs have been revised and approved by the Academic Advisory Board of TSEC on July 14, 2018. She presented the revised PEOs and the approval letter to the committee.
3. The committee found that the revised PEOs had better correlation with the POs, than the previous PEOs.
4. It was decided to establish a correlation between the PEOs and Missions of the department.




Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai-400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE
Dept. of IT

Attendance for IT Department Advisory Committee meeting held on 12-10-2018

Sr. No.	Name	Type of stake holder	Signature
1	Dr. G. T. Thampi	Principal, TSEC	
2	Dr. Madhuri Rao	HOD, IT	
3	Ms. Archana Kale	Faculty Member, IT	
4	Ms. Anjali Malviya	Faculty Member, IT	
5	Mr Arun B Kulkarni	Faculty Member, IT	
6	Mr. Jaikisan Vaswani	Alumni	
7	MS. Bilkish Musa Janjiriya	Alumni	
8	Mr. Bhavik Bansali	Industry Expert	
9	Mr. Shukla	Parent	
10	Akash Mishra	Current Student	



Dr. G. T. Thampi
PRINCIPAL
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THADOMAL SHAHANI ENGINEERING COLLEGE
CHEMICAL ENGINEERING DEPARTMENT

Subject: Minutes of Meeting of Quality Improvement Committee of Chemical Engineering Department held on 10th Aug 2019 at 12.15 pm

The Quality Improvement Committee meeting of Department of Chemical Engineering was held on 10th Aug 2019 at 12.15 pm at Principal's office. The meeting was chaired by Dr. G. T. Thampi, Principal, Thadomal Shahani Engineering College.

Following members were present:

1. Dr. G. T. Thampi
2. Dr. Anita Kumari
3. Dr. Sadhna Purohit
4. Mr. Atul Choudhary
5. Mr. Jayesh Tekchandaney
6. Mr. Pramod Kulkarni



Following points were discussed:

1. Meeting started with introduction of each members.
2. Dr. Anita Kumari, Head of Chemical Engineering Department briefed all members about the program and curriculum, rubrics of practical, project, seminar & tutorials.
3. Rubrics for practical, project, seminar & tutorials got approved by QIC members present in meeting.
4. Principal Dr. G. T. Thampi highlighted on new emerging areas /techniques, challenges, opportunities & scope of Chem. Engg. Students in industry.
5. Mr. Jayesh Tekchandaney suggested training for placement and one year internship /training in industry for the students which will help them in securing job. Improving on/off campus job opportunity for students.
6. He also suggested to appoint Professional counsellors for all Chemical Engg. students.
7. Dr. Anita Kumari & Dr. Sadhna Purohit mentioned that each faculty of Dept. is assigned for mentoring & counselling of 15-20 students (5-8 students of each SE, TE & BE class).

8. Mr. Jayesh Tekchandaney suggested structured industry institute interactions should be part of course curricula. It should be measurable.
9. Principal asked HoD to write to MHRD & chairman, board of study, Mumbai Univ reg compulsorily accommodating practical aspects of training / internship for 6 months to 1 year in industry in Chem. Engg. Students course curricula.
7. Mr. Jayesh Tekchandaney & Mr. Pramod Kulkarni suggested that students should do BE project in industry (BPCL, RCF, Gharda Chemicals), R&D organizations (NCL, Pune, NEERI, Nagpur, BARC , Mumbai) & reputed institute (IITS, ICT) etc.
8. Mr. Atul Choudhary suggested to make students associate with industry, R&D organizations, reputed institutes for their BE project for better utilization of concepts learned in college. Students should be encouraged to work on data base model than on physics based model.
9. Dr. Anita kumari mentioned that option for doing BE project in Industry, R&D organizations & reputed institutes is there for students however many students opt for BE project guided by internal guide so that they can present papers & publish papers from project report. This improves their CV & SOP for getting admission in higher degree in abroad besides helping them in various way in personality development. Students gain in long run if internal project is offered in continuing presentations & publication, getting opportunity for guest lecture either in Dept. or in professional society like IChE events besides getting LOR from his /her Prof any time in future.
10. Dept. encourages students to solve complex problem using available resources & improve project quality based on students' feedback.
11. If Industry can provide LOR to students & allow students to use Industry data for presenting & publishing papers Dept. will be glad in encouraging students to take external projects.
12. Dept. has been organizing guest lectures, design contests, seminar, conference, annual technical festival, workshop etc. on regular basis for students to improve industry institute interactions.
13. Students are encouraged to participate on online one week /two week certificate courses offered by reputed institute of India & abroad.

14. Principal Dr. G. T. Thampi opined that students should be encouraged for publications/presentations without being exploited.
15. He suggested to upskill the students in the emerging technologies.

Meeting ended with thanks to the Chair.



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2017-2018

Department Academic

Advisory Committee

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE, BANDRA (W)

COMPUTER ENGINEERING DEPARTMENT

Minutes of Meeting of Department Advisory Committee (DAC) of Computer Engineering Department held on 18-11-2017 at 11:00 am

The second meeting of DAC of Computer Engineering Department was held on 18-11-2017, in Room no. 204 at 11:00 AM. The meeting was chaired by Dr. G. T. Thampi. All the eight members were present for the following discussion.

1. Dr. Tanuja K. Sarode introduced new co-opted member Dr. Anil Chhangani.
2. Dr. Tanuja K. Sarode read out minutes of meeting held on 10-12-2016.
3. It was thoroughly discussed about the points to be covered in the vision statement of the program.
4. It was decided to reduce the Mission statements as per the suggestion given by the NBA evaluator.
5. Mr. Sushil Ingle suggested to incorporate technical and global challenges in the Mission statement.
6. Dr. Pramanand Budhwani emphasized on including social and ethical values in Mission statements.
7. Mr. Sumedh Pundkar opined that Mission statement should include modern teaching methods.


Dr. G. T. Thampi
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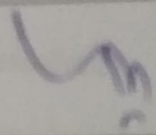
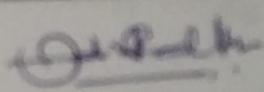
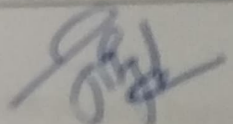
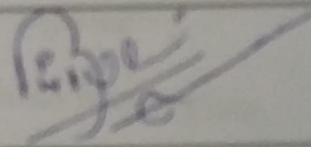
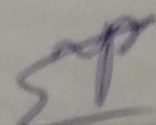

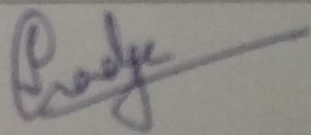
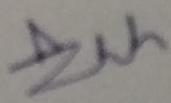


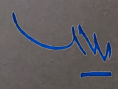
THADOMAL SHAHANI ENGINEERING COLLEGE, BANDRA (W)
COMPUTER ENGINEERING DEPARTMENT

Department Advisory Committee Attendance

Date:- 18-11-2017

Time:- 11:00 am

Sr. No	Name	Signature
1	Dr. G. T. Thampi	
2	Mr. S. N. Pundkar	
3	Mr. Sushil Ingle	
4	Dr. Parmanand Budhawani	
5	Dr. Tanuja Sarode	
6	Dr. Archana Patankar	
7	Mr. Jayant Gadge	
8	Dr. Anil Chhangani	


 Dr. G. T. Thampi
 PRINCIPAL
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THADOMAL SHAHANI ENGINEERING COLLEGE

Department of Information Technology

Minutes of Meeting of the IT Department Advisory Committee (ITDAC), held on 28-07-2017

Meeting of ITDAC was held on 28th July, 2017, in Room no. 906. The meeting was chaired by Dr. G. T. Thampi.

1. Dr. Madhuri Rao, HoD IT, read out the Minutes of the previous ITDAC meeting. She then presented the details of the Program Outcome (PO) and Course Outcome (CO) attainment, during the year 2016-17.
2. The revised Missions of the Dept. were presented to the committee and the same were approved.
3. It was discussed that the Program Educational Objectives (PEOs) need to be revised, to improve the correlation between the Program Outcomes (POs) and PEOs, as suggested by the visiting NBA member.












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THADOMAL SHAHANI ENGINEERING COLLEGE
Dept. of IT

Attendance for IT Department Advisory Committee meeting held on 28-07-2017

Sr. No.	Name	Type of stake holder	Signature
1	Dr. G. T. Thampi	Principal, TSEC	
2	Dr. Madhuri Rao	HOD, IT	
3	Ms. Archana Kale	Faculty Member, IT	
4	Ms. Anjali Malviya	Faculty Member, IT	
5	Mr Arun B Kulkarni	Faculty Member, IT	
6	Mr. Jaikisan Vaswani	Alumni	
7	MS. Bilkish Musa Janjiriya	Alumni	
8	Mr. Bhavik Bansali	Industry Expert	
9	Mr. Shukla	Parent	
10	Akash Mishra	Current Student	

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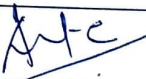




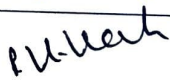





Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE

Attendance for Department advisory board (EXTC)
meeting held on 13th Jan. 2018

Sr. No.	Name	Type of stake holder	Signature
1.	Dr. G. T. Thampi	Convenor	
2.	Dr. Ashwini Kunte	HOD/Staff	
3.	Mr. K. K. Mathew	Secretary/Staff	
4.	Dr. Mani Roja	Staff	
5.	Ms. Anuradha Rao	Staff	
6.	Mr. Charanjit Singh Bhatia	Parent	
7.	Dr. Parul Shah	Industrial Expert	
8.	Ms. Seema Wadhvani	Industrial Expert/Alumni	
9.	Mr. Rohan Ram Vaswani	Student	
10.	Mr. Gurkiran Singh Bhatia	Student	



Dr. G. T. Thampi
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Minutes of Department Advisory Board (EXTC) meeting held on 13th Jan. 2018

A meeting of the Department Advisory Board (EXTC) members was held on 13th January 2018 at 10.45 AM in Room No. 603 under the Chairman ship of Dr. G. T. Thampi, Convener-DAB, Principal, TSEC.

Dr. Ashwini Kunte (HOD –EXTC) thanked members for 100% attendance .

Principal in his opening remark suggested to device ways & means of modifying students emotional quotient & exposure to 5G technology to be suitable for placement in consulting firms. Principal also suggested initiate students to massive online open course (moocs) resources to build proficiency, Deep learning Python & R Programming.

1. Secretary Mr. K. K. Mathew read the minutes of DAB (EXTC) meeting held on 21st Jan. 2017. Members present approved unanimously.
Matters arising out of the minutes
2. HOD thanked majority of members for giving there feedback & suggestions for changes to be made in Mission, PEO's & PO's of the department.
3. HOD presented 2017 batch students feedback analysis of direct & indirect attainment of Program Outcomes to the committee.
4. Ms. Anuradha Rao (staff) suggested need for extracurricular activity promotion also to be included in PEO's.
5. Secretary informed that he has received a document from Principal Dr. G. T. Thampi about the expectation of Industry from higher Educational Institutes. A copy of the same was distributed to all members present.
6. Members felt the above points also to be included in mission of the department.
7. HOD proposed new mission & program educational objectives to committee and also mentioned that PO's of department need not be changed since they are aligned with graduate attributes given by NBA.
8. Mr. Gurkiran Singh & Mr. Rohan Vaswani requested that they should be relived from the board & a new member should be selected. Members approved the same.
9. As there was no matter for discussion, meeting ended at 12.30 PM.


K.K. Mathew
Secretary-DAB (EXTC)

Read and approved in the DAB meeting dated 30/03/19


Dr. G. T. Thampi (Convenor DAB)
Principal, TSEC


Dr. G. T. Thampi
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Bandra (W), Mumbai - 400 050.



2016-2017

Department Academic

Advisory Committee

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Dr. G. T. Thampi
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THADOMAL SHAHANI ENGINEERING COLLEGE, BANDRA (W)

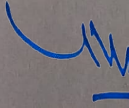
COMPUTER ENGINEERING DEPARTMENT

Minutes of Meeting of Department Advisory Committee (DAC) of Computer Engineering Department held on 10-12-2016 at 11:00 am

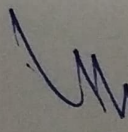
The first meeting of DAC of computer engineering department was held on 10-12-2016, in Room no. 204 at 11:00 AM. The meeting was chaired by Dr. G. T. Thampi. All the seven members were present for the following discussion.

1. Dr. Tanuja K. Sarode, Head of Computer Engineering department introduced all the members.
2. Dr. Tanuja K. Sarode briefed all members about the programme and curriculum.
3. Dr. Tanuja K. Sarode discussed in brief about the agenda of the meeting.
4. Principal Dr. G. T. Thampi highlighted on new emerging techniques like Artificial Intelligence, Deep Learning, Block Chain, Machine Learning, etc.
5. Dr. Parmanand Budwani suggested about training for placement and internship for the students which will help them in securing job.
6. Mr. Sushil Ingle and Mr. Sumedh Pundkar suggested to upskill the students in the emerging technologies by asking them to implement projects and mini projects of courses in the new technology.

Committee decided to incorporate the above point (4, 5, 6) in the vision and mission of the programme


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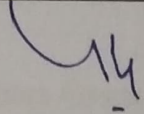
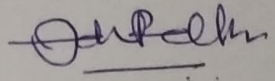
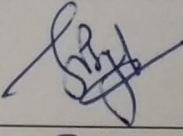
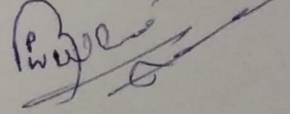
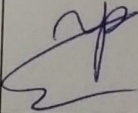
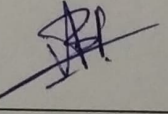
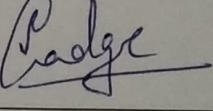
THADOMAL SHAHANI ENGGINEERING COLLGE, BANDRA (W)

COMPUTER ENGINEERING DEPARTMENT

Department Advisory Committee Attendance

Date:- 10-12-2016

Time:- 11:00 am

Sr. No	Name	Signature
1	Dr. G. T. Thampi	
2	Mr. S. N. Pundkar	
3	Mr. Sushil Ingle	
4	Dr. Parmanand Budhawani	
5	Dr. Tanuja Sarode	
6	Dr. Archana Patankar	
7	Mr. Jayant Gadge	





Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai-400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE

NOTICE

A meeting of members of IT Department Advisory Committee (ITDAC) will be held on 07/01/2017 at 11:30 am, in Room No. 906 of the New Building of the college. You are requested to kindly attend the meeting.

Agenda:

1. Welcome of new members by HOD, Dr. Madhuri Rao.
2. Reporting the remarks made by the member of NBA committee, while on visit to the department.
3. Discussion on the current vision and mission of the department and suggestions if any, of modification.
4. Strengthening of the Teaching - Learning process.



Chairman
(G. T. Thampi)

CC to:

1. Dr. Madhuri Rao
2. Ms. Archana Kale
3. Ms. Anjali Malviya
4. Mr. Arun Kulkarni
5. Mr. Jaikisan Vaswani
6. Ms. Bilkish Musa Janjiriya
7. Mr. Bhavik Bansali
8. Mr. Santosh Shukla



Dr. G. T. Thampi
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Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE

Department of Information Technology

Minutes of Meeting of the IT Department Advisory Committee (ITDAC), held on 07-01-2017

The first meeting of ITDAC was held on 7th January, 2017, in Room no. 906. The meeting was chaired by Dr. G. T. Thampi. All the members were present for the following discussion.

1. Dr. Madhuri Rao, Head of IT Department, introduced all the members.
2. Dr. Madhuri Rao briefed all members about the program and curriculum. She then proceeded to discuss in brief, the agenda of the meeting.
3. Principal Dr. G. T. Thampi discussed the broader picture of the role of IT engineers in today's world. He insisted upon the need of sensitizing the students to new emerging techniques like Artificial Intelligence, Deep Learning, Block Chain, Machine Learning, etc.
4. Mr. Bhansali suggested that the students should be encouraged to take internships, to understand the real world needs.
5. The Alumni members felt that there is a need of bridging the gap between the industry and academia. They offered to help in conducting beyond the curriculum lectures and providing internships.
6. The faculty members suggested that students can implement projects and mini projects of courses in the new technology, to enhance their learning.

Committee decided to incorporate the above point (4, 5, 6,7) in the mission of the program.



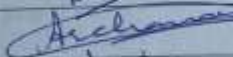



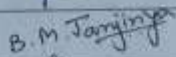




Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE

Attendance for IT Department Advisory Committee meeting held on 07-01-2017

Sr. No.	Name	Type of stake holder	Signature
1	Dr. G. T. Thampi	Principal, TSEC	
2	Dr. Madhuri Rao	HOD, IT	
3	Ms. Archana Kale	Faculty Member, IT	
4	Ms. Anjali Malviya	Faculty Member, IT	
5	Mr Arun B Kulkarni	Faculty Member, IT	
6	Mr. Jaikisan Vaswani	Alumni	
7	MS. Bilkish Musa Janjiriya	Alumni	
8	Mr. Bhavik Bansali	Industry Expert	
9	Mr. Shukla	Parent	
10	Akash Mishra	Current Student	

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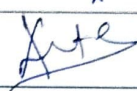


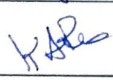
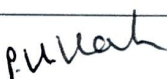
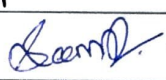

Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE

Attendance for Department advisory board (EXTC)

meeting held on 21st Jan. 2017

Sr. No.	Name	Type of stake holder	Signature
1.	Dr. G. T. Thampi	Convenor	
2.	Dr. Ashwini Kunte	HOD/Staff	
3.	Mr. K. K. Mathew	Secretary/Staff	
4.	Dr. Mani Roja	Staff	
5.	Ms. Anuradha Rao	Staff	
6.	Mr. Charanjit Singh Bhatia	Parent	
7.	Dr. Parul Shah	Industrial Expert	
8.	Ms. Seema Wadhwani	Industrial Expert/Alumni	
9.	Mr. Rohan Ram Vaswani	Student	
10.	Mr. Gurkiran Singh Bhatia	Student	



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Minutes of department advisory board (EXTC) meeting held on 21st Jan. 2017

A meeting of the newly appointed department advisory board (EXTC) members was held on 21st January 2017 at 11 AM in Room No. 603 under the Chairmanship of Dr. G. T. Thampi, Convener-DAB, Principal, TSEC.

Altogether 8 members attended the meeting.

1. HOD-EXTC, Dr. Ashwini Kunte welcomed members.
2. She explained in detail the visit of NBA committee during 23rd to 25th Sep. 2016. However, she pointed out the need expressed by the expert committee members regards to mapping of mission, PEO's & PO's of the department.
3. She requested Mr. K.K. Mathew to become secretary of this department advisory board (EXTC).
4. Members present unanimously agreed.
5. Principal Dr.G.T.Thampi suggested department faculty members to engage board of studies members of university to orient the syllabus for building skills state of electronics manufacturing. He also said department to gear up for Industry4.0 via all business industry activity will be energized by automation, Robotics & Artificial Intelligence
6. Dr. Mani Roja said that one mission statement "To support the institute's research activities and consultancy services by introducing the doctoral programs in future" is already fulfilled and hence the mission statement need to be modified.
7. Ms. Seema Wadhvani (Industry Expert/Alumni) explained the need of equipping the students about the global market scenario thereby increasing Industry Institute Interaction. Members present agreed to the suggestion.
8. Prof.K.K.Mathew suggested that students should be encouraged to write National/International level paper research/review along with studies so that they will be exposed to latest research ideas & topics.
9. Student member Mr. Rohan Vaswani said that lot of time is spent on classroom learning & no Industrial Exposure is obtained.
10. Dr. Parul Shah, Industrial Expert suggested students should be asked to use variety of software tools through online platforms.
11. HOD Dr. Ashwini Kunte made a suggestion regarding modification on mission, PEO's & PO's of department. She asked all members to give feedback and suggestions in this regard. Member's appreciated and unanimously approved.
12. As there was no matter for discussion, meeting ended at 1 PM.



K.K. Mathew
Secretary-DAB (EXTC)

Read and approved in the DAB meeting dated 13th Jan 2018



Dr. G. T. Thampi (Convenor DAB)
Principal, TSEC


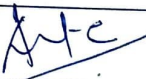




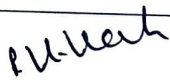





Dr. G. T. Thampi
PRINCIPAL
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Bandra (W), Mumbai - 400 050.



THADOMAL SHAHANI ENGINEERING COLLEGE

Attendance for Department advisory board (EXTC)
meeting held on 13th Jan. 2018

Sr. No.	Name	Type of stake holder	Signature
1.	Dr. G. T. Thampi	Convenor	
2.	Dr. Ashwini Kunte	HOD/Staff	
3.	Mr. K. K. Mathew	Secretary/Staff	
4.	Dr. Mani Roja	Staff	
5.	Ms. Anuradha Rao	Staff	
6.	Mr. Charanjit Singh Bhatia	Parent	
7.	Dr. Parul Shah	Industrial Expert	
8.	Ms. Seema Wadhvani	Industrial Expert/Alumni	
9.	Mr. Rohan Ram Vaswani	Student	
10.	Mr. Gurkiran Singh Bhatia	Student	



Dr. G. T. Thampi
PRINCIPAL
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Bandra (W), Mumbai - 400 050.



1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

Sr. No	Activity Name
1	2020-21 Department Minutes of Meetings
2	2019-20 Department Minutes of Meetings
3	2018-19 Department Minutes of Meetings
4	2017-18 Department Minutes of Meetings
5	2016-17 Department Minutes of Meetings



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai -400 050.



Department

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



2020-2021

Department

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



MINUTES OF MEETING

Date: May 7, 2021

Time: 10:30 am

Location: Online Microsoft Teams Meeting Room

1.Convener: Dr. Madhuri Rao

In Attendance:

Ms. Archana Kale	Ms. Anjali Malviya	Dr. Arun Kulkarni
Ms. Sampada Pingre	Dr. Shanti Therese	Ms. Kumkum Saxena
Dr. Gopal Pardesi	Dr. Mukesh Israni	Ms. Geeta Karande
Ms. Nagaveni Hebbar	Mr. Chetan Agarwal	Ms. Reshma Malik
Mr. Sanjay Kumar Pandey	Ms. Sunita Rathod	Mr. Nikhilesh Joshi
Dr. Shachi Natu	Dr. Bhushan Jadhav	Ms. Sanobar Shaikh
Ms. Himani Deshpande	Ms. Monica Tolani	Ms. Vijal Jain
Dr. Darshan Ingle	Ms. Sheetal Gondal	

2. General Purpose department meeting regarding the term Jan-June 2021

3. Discussion on the difficulties & bottleneck faced during online internal assessment test conducted for TE & BE classes, SE faculty are expected to strategize a plan for online internal assessment engagement which are schedule from 10th May 2021

4. Faculty shall submit dates/slots of upcoming viva-voce to the respective class teachers

5. Discussed ways and means of reenergizing/ reorienting Academic activities and building efficiencies in student engagement- remedial lectures to be conducted for the students who have missed practical sessions during regular slots



Dr Madhuri Rao



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai -400 050.



MINUTES OF MEETING

Date: 21st July 2020

Time: 12:00 pm

Location: Zoom Meeting Platform

Convener: Dr. Madhuri Rao

In Attendance:

Ms. Archana Kale
Ms. Sampada Pingre
Dr. Gopal Pardesi
Mr. Chetan Agarwal
Ms. Sunita Rathod
Dr. Shachi Natu
Ms. Monica Tolani

Ms. Anjali Malviya
Dr. Shanti Therese
Mr. Mukesh Israni
Ms. Reshma Malik
Mr. Nikhilesh Joshi
Ms. Sanobar Shaikh
Ms. Vijal Jain

Dr. Arun Kulkarni
Ms. Kumkum Saxena
Ms. Geeta Karande
Mr. Sanjay Pandey
Dr. Bhushan Jadhav
Ms. Himani Deshpande
Dr. Darshan Ingle

Absentee:

Ms. Nagaveni Hebbar

The following consensuses arrived at the meeting:

1. Strategize a plan to reenergize & improve the preparedness for upcoming academic year
2. The new Academic Year shall start through online mode from 17th August 2020
3. Academic Load distribution & timetable for upcoming semester
4. Department faculty shall use Microsoft Teams for conduction of online classes
5. Prof. Mukesh Israni & Prof. Sanjay Pandey are appointed as Department coordinators for student's enrolment on Microsoft Teams platform
6. Institute Level elective subjects for B.E students are: **Operation Research, Management Information Systems, Cyber Security & Laws** and slots allotted for elective subjects shall be every Monday, Wednesday & Friday from 04:00 pm to 05:00 pm, instead of 3 hours of slot on every Friday.
7. Prof. Kumkum Saxena appointed as SE Class Teacher, Prof. Sunita Rathod as TE Class Teacher & Prof. Nagaveni Hebbar as BE Class Teacher



Dr. S. T. Thampi
PRINCIPAL
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Bandra (W), Mumbai - 400 050.



Dr Madhuri Rao
(HOD IT)

DEPARTMENT OF INFORMATION TECHNOLOGY

MINUTES OF MEETING

Date: 10th July 2020

Time: 03:00 pm

Location: Microsoft Teams Platform

Convener: Dr. Madhuri Rao

In Attendance:

Ms. Archana Kale
Dr. Shanti Therese
Dr. Mukesh Israni
Mr. Chetan Agarwal
Ms. Sunita Rathod
Ms. Sanober Shaikh
Ms. Vijal Jain

Dr. Arun Kulkarni
Ms. Kumkum Saxena
Ms. Geeta Karande
Ms. Reshma Malik
Mr. Nikhilesh Joshi
Ms. Himani Deshpande
Ms. Sheetal Gondal

Ms. Sampada Pinge
Dr. Gopal Pardesi
Ms. Nagaveni Hebbbar
Mr. Sanjay Pandey
Dr. Shachi Natu
Ms. Monica Tolani

Absentee:

Ms. Anjali Malviya

Dr. Darshan Ingle

The following consensuses arrived at the meeting:

1. Strategize a plan to reenergize & improve the preparedness for upcoming academic year
2. The new Academic Year for Third Year & Fourth Year shall start through online mode from 12th July 2021 and for Second Year from 23rd August 2021
3. Academic Load distribution & timetable for upcoming semester
4. Faculty Mentors for third year mini project shall be allotted same groups which were allotted during last academic year
5. Prof. Kumkum Saxena shall be TE Mini Project Coordinator
6. Updating NBA Activity Files: Calculations have to be done by all faculties till last semester Jan-June 2021, results in soft copy excel format shall be provided from the examination section to all the departments
7. Faculty Mentors for 2021 pass out batch are expected to collect placement offer letter/higher studies admit letter from the respective mentees group and maintain record of the same
8. Class teachers for the new academic year; SE Class - Dr. Darshan Ingle; TE Class Sanober Shaikh, BE Class: Prof. Himani Deshpande. Class teachers are expected to share the Timetable with the students

Thadomal Shahani Engineering College

Computer Engineering Department

Minutes of online meeting of Computer Engineering Department

Computer Engineering Department meeting was held on Sunday, 1st August 2021 at 4:15 pm through Teams Meeting app, when following members were present:-

1	Dr. Tanuja Sarode	Professor & Head of Computer Engineering Department	13	Ms. Manisha Dumbre	Assistant Professor
2	Dr. Archana Patankar	Professor	14	Ms. Rupali Sarode	Assistant Professor
3	Dr. Jayant Gadge	Associate Professor	15	Ms. Vijaya P.	Assistant Professor
4	Dr. Shilpa Verma	Associate Professor	16	Dr. Arti Deshpande	Assistant Professor
5	Dr. Anil Chhangani	Associate Professor	17	Ms. Urvi Kore	Assistant Professor
6	Dr. Seema Kolkur	Assistant Professor	18	Mr. Aejazul Khan	Assistant Professor
7	Ms. Tasneem Mirza	Assistant Professor	19	Mr. Vaibhav Ambhire	Assistant Professor
8	Ms. Sakshi Surve	Assistant Professor	20	Ms. Nabanita Mandal	Assistant Professor
9	Dr. Ujawala Bharambe	Assistant Professor	21	Ms. Darakhshan Khan	Assistant Professor
10	Ms. Anagha Durugkar	Assistant Professor	22	Ms. Juhi Ganwani	Assistant Professor
11	Ms. Sonal Shroff	Assistant Professor	23	Ms. Parul Jain	Assistant Professor
12	Ms. Vaishali Suryawanshi	Assistant Professor	24	Ms. Saloni Dhuru	Assistant Professor

1. Ms. Vaishali Suryawanshi explained the procedure of CO attainment and PO attainment to all the faculties.
2. All Subject in-charges has to submit CO and PO attainment of their subject for the years 2018-19, 2019-20, and 2020-21 latest by 10th August 2021 to Ms. Vaishali Suryawanshi.
3. Internal audit report for the years 2018-19, 2019-20, and 2020-21 has to be submitted by respective subject in-charges to Ms. Rupali Sarode.

Sd/-

Dr. Tanuja K. Sarode

Professor & Head, Computer Engineering Department



5. Ms. Darakshan Khan is appointed as Periodic test coordinator for the semester July – Nov 2020.
6. Ms. Darakshan Khan is appointed as Mini-project coordinator for SE Computer Engineering.
7. Dr. Seema Kolkur and Dr. Ujwala Bharambe are appointed as BE Project coordinator for the AY 2020 - 21 for Computer Engineering.
8. Following staff members are appointed as the subject in charges for the Final Year Computer Engineering: -

Faculty	Subject
Dr. Archana Patankar	DSIP
Dr. Jayant Gadge	MCC
Ms. Vaishali Suryawanshi	AISC
Dr. Archana Patankar	Robotics
Ms. Vijaya Padmadas	BDA

9. Following staff members are appointed as the subject in charges for the Third Year Computer Engineering: -

Faculty	Subject
Ms. Juhi Ganwani	MP
Dr. Arti Deshpande	DBMS
Ms. Shilpa Verma	CN
Mr. Vaibhav Ambhire	TCS
Dr. Anil Chhangani	AA
Ms. Rupali Sarode	WDL

10. Following staff members are appointed as the subject in charges for the Second Year Computer Engineering: -

Faculty	Subject
Ms. Nabanita Mandal	DSGT
Ms. Shilpa Ingole	DS
Ms. Tasneem Mirza	DLCA
Ms. Sonal Shroff	CG
Ms. Manisha Dumbre	OOP

Sd/-

Dr. Tanuja K. Sarode

Professor & Head, Computer Engineering Department

PRINCIPAL
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 Nari Guwahani Marg, T. P. S. III,
 Bandra (W), Mumbai - 400 050.



Rupali Patil	01/08/2021, 16:17:41	01/08/2021, 17:38:51	1h 21m	Rupali13038@tsecedu.org	Presenter
Darakshan Khan	01/08/2021, 16:17:48	01/08/2021, 17:29:02	1h 11m	Darakshan13044@tsecedu.org	Presenter
Juhi Ganwani	01/08/2021, 16:18:07	01/08/2021, 17:38:40	1h 20m	Juhi13045@tsecedu.org	Presenter
Vaishali	01/08/2021, 16:18:17	01/08/2021, 17:38:50	1h 20m	Vaishali13035@tsecedu.org	Presenter
Suryawanshi	01/08/2021, 16:21:01	01/08/2021, 16:21:43	42s	Ujwala13032@tsecedu.org	Presenter
Ujwala	01/08/2021, 16:23:33	01/08/2021, 16:50:11	26m 38s	Ujwala13032@tsecedu.org	Presenter
Bharambe	01/08/2021, 16:26:45	01/08/2021, 18:01:12	1h 34m	Nabanita13043@tsecedu.org	Presenter
Nabanita	01/08/2021, 16:27:14	01/08/2021, 17:39:36	1h 12m	Aejazul13042@tsecedu.org	Presenter
Mandal					
Aejazul Khan					


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Thadomal Shahani Engineering College

Computer Engineering Department

Minutes of online meeting of Computer Engineering Department

Computer Engineering Department meeting was held on Thursday, 8th July 2021 at 4:00 pm through Teams Meeting app, when following members were present:-

1	Dr. Tanuja Sarode	Professor & Head of Computer Engineering Department
2	Dr. Archana Patankar	Professor
3	Dr. Jayant Gadge	Associate Professor
4	Dr. Shilpa Verma	Associate Professor
5	Dr. Anil Chhangani	Associate Professor
6	Dr. Seema Kolkur	Assistant Professor
7	Ms. Tasneem Mirza	Assistant Professor
8	Ms. Sakshi Surve	Assistant Professor
9	Dr. Ujawala Bharambe	Assistant Professor
10	Ms. Anagha Durugkar	Assistant Professor
11	Ms. Sonal Shroff	Assistant Professor
12	Ms. Vaishali Suryawanshi	Assistant Professor
13	Ms. Manisha Dumbre	Assistant Professor
14	Ms. Rupali Sarode	Assistant Professor
15	Ms. Vijaya P.	Assistant Professor
16	Dr. Arti Deshpande	Assistant Professor
17	Ms. Urvi Kore	Assistant Professor
18	Mr. Aejazul Khan	Assistant Professor
19	Mr. Vaibhav Ambhire	Assistant Professor
20	Ms. Nabanita Mandal	Assistant Professor
21	Ms. Darakhshan Khan	Assistant Professor
22	Ms. Juhi Ganwani	Assistant Professor
23	Ms. Shilpa Ingole	Assistant Professor
24	Ms. Poonam Jadhav	Assistant Professor
25	Ms. Parul Jain	Assistant Professor
26	Ms. Saloni Dhuru	Assistant Professor

1. Time Table was distributed to all faculty through email by HOD and every one gave confirmation of the receipt of the same.
2. Ms. Darakhshan Khan is appointed as Periodic test coordinator for the term July – Nov 2021.
3. Ms. Manisha Dumbre and Ms. Juhi Ganwani are appointed as class teachers for second year Computer Engineering.

Attendance Record of Online Computer Engineering Department Meeting held 8th July 2021 at 4:00 pm

Total Number of Participants 26
 Meeting Title General
 Meeting Start Time 08/07/2021, 15:53:49
 Meeting End Time 08/07/2021, 17:19:54

Full Name	Join Time	Leave Time	Duration	Email	Role
Anagha Durugkar	08/07/2021, 15:53:49	08/07/2021, 17:15:56	1h 22m	Anagha13033@tsecedu.org	Presenter
Poonam Jadhav	08/07/2021, 15:54:23	08/07/2021, 17:15:59	1h 21m	Poonam324@tsecedu.org	Presenter
Urvi Kori	08/07/2021, 15:55:59	08/07/2021, 16:58:59	1h 3m	Urvi13041@tsecedu.org	Presenter
Rupali Patil	08/07/2021, 15:56:18	08/07/2021, 17:15:59	1h 19m	Rupali13038@tsecedu.org	Presenter
Arti Deshpande	08/07/2021, 15:56:53	08/07/2021, 17:10:07	1h 13m	Arti13040@tsecedu.org	Presenter
Sakshi Surve	08/07/2021, 15:57:02	08/07/2021, 17:15:58	1h 18m	Sakshi13031@tsecedu.org	Presenter
Darakshan Khan	08/07/2021, 15:57:19	08/07/2021, 17:15:48	1h 18m	Darakshan13044@tsecedu.org	Presenter
Nabanita Mandal	08/07/2021, 15:58:19	08/07/2021, 16:32:34	34m 15s	Nabanita13043@tsecedu.org	Presenter
Parul Jain	08/07/2021, 15:58:48	08/07/2021, 17:17:50	1h 19m	Parul13402@tsecedu.org	Presenter
Vaibhav Ambhire	08/07/2021, 15:59:05	08/07/2021, 17:16:22	1h 17m	Vaibhav13046@tsecedu.org	Presenter
Tanuja Sarode	08/07/2021, 15:59:29	08/07/2021, 17:19:54	1h 20m	Tanuja13024@tsecedu.org	Organiser
Saloni Dhuru	08/07/2021, 16:00:14	08/07/2021, 17:19:40	1h 19m	Saloni.Dhuru7621@tsecedu.org	Presenter
Archana Patankar	08/07/2021, 16:00:20	08/07/2021, 17:19:49	1h 19m	Archana13025@tsecedu.org	Presenter
Shilpa Ingole	08/07/2021, 16:00:43	08/07/2021, 17:16:51	1h 16m	Shilpa13047@tsecedu.org	Presenter
Vaishali Suryawanshi	08/07/2021, 16:01:07	08/07/2021, 16:53:47	52m 39s	Vaishali13035@tsecedu.org	Presenter
Seema Kolkur	08/07/2021, 16:01:41	08/07/2021, 17:15:47	1h 14m	Seema13029@tsecedu.org	Presenter

Thadomal Shahani Engineering College

Computer Engineering Department

Minutes of online meeting of Computer Engineering Department

Computer Engineering Department meeting was held on Friday, 22nd January 2021 at 2:00 pm through Teams Meeting app, when following members were present:-

1	Dr. Tanuja Sarode	Professor & Head of Computer Engineering Department
2	Dr. Archana Patankar	Professor
3	Dr. Shilpa Verma	Associate Professor
4	Dr. Anil Chhangani	Associate Professor
5	Dr. Seema Kolkur	Assistant Professor
6	Ms. Tasneem Mirza	Assistant Professor
7	Ms. Sakshi Surve	Assistant Professor
8	Dr. Ujawala Bharambe	Assistant Professor
9	Ms. Anagha Durugkar	Assistant Professor
10	Ms. Sonal Shroff	Assistant Professor
11	Ms. Vaishali Suryawanshi	Assistant Professor
12	Ms. Manisha Dumbre	Assistant Professor
13	Ms. Rupali Sarode	Assistant Professor
14	Ms. Vijaya P.	Assistant Professor
15	Dr. Arti Deshpande	Assistant Professor
16	Ms. Urvi Kore	Assistant Professor
17	Mr. Aejazul Khan	Assistant Professor
18	Mr. Vaibhav Ambhire	Assistant Professor
19	Ms. Nabanita Mandal	Assistant Professor
20	Ms. Darakhshan Khan	Assistant Professor
21	Ms. Juhi Ganwani	Assistant Professor
22	Ms. Shilpa Ingole	Assistant Professor

1. Time Table was distributed to all faculty through email by HOD and all faculty gave confirmation of the receipt of the same.
2. Ms. Manisha Dumbre, Ms. Rupali Sarode and Ms. Vaishali Suryawanshi are appointed as class teachers for second year Computer Engineering.
3. Ms. Nabanita Mandal and Mr. Vaibhav Ambhire are appointed as class teachers for final year Computer Engineering.
4. Ms. Urvi Kore and Ms. Shilpa Verma are appointed as class teachers for third year Computer Engineering.

Attendance Record of Online Computer Engineering Department Meeting held on 22nd January 2021 at 2:00 pm

Total Number of Participants	22			
Meeting Title	General			
Meeting Start Time	22/01/2021, 13:53:49			
Meeting End Time	22/01/2021, 15:19:54			
Full Name	Join Time	Leave Time	Email	Role
Anagha Durugkar	22/01/2021, 13:53:49	22/01/2021, 15:13:56	Anagha13033@tsecedu.org	Presenter
Urvi Kori	22/01/2021, 13:55:59	22/01/2021, 14:58:59	Urvi13041@tsecedu.org	Presenter
Rupali Patil	22/01/2021, 13:56:18	22/01/2021, 15:13:59	Rupali13038@tsecedu.org	Presenter
Arti Deshpande	22/01/2021, 13:56:53	22/01/2021, 15:10:07	Arti13040@tsecedu.org	Presenter
Sakshi Surve	22/01/2021, 13:57:02	22/01/2021, 15:13:58	Sakshi13031@tsecedu.org	Presenter
Darakshan Khan	22/01/2021, 13:57:19	22/01/2021, 15:13:48	Darakshan13044@tsecedu.org	Presenter
Nabanita Mandal	22/01/2021, 13:58:19	22/01/2021, 14:32:34	Nabanita13043@tsecedu.org	Presenter
Vaibhav Ambhire	22/01/2021, 13:59:05	22/01/2021, 15:14:22	Vaibhav13046@tsecedu.org	Presenter
Tanuja Sarode	22/01/2021, 13:59:29	22/01/2021, 15:19:54	Tanuja13024@tsecedu.org	Organiser
Archana Patankar	22/01/2021, 14:00:20	22/01/2021, 15:19:49	Archana13025@tsecedu.org	Presenter
Shilpa Ingoley	22/01/2021, 14:00:43	22/01/2021, 15:14:51	Shilpa13047@tsecedu.org	Presenter
Vaishali Suryawanshi	22/01/2021, 14:01:07	22/01/2021, 14:53:47	Vaishali13035@tsecedu.org	Presenter
Seema Kolkur	22/01/2021, 14:01:41	22/01/2021, 15:13:47	Seema13029@tsecedu.org	Presenter
Sonal Shroff	22/01/2021, 14:01:58	22/01/2021, 15:13:50	Sonal13034@tsecedu.org	Presenter
Tasneem Mirza	22/01/2021, 14:02:02	22/01/2021, 15:14:37	Tasneem13030@tsecedu.org	Presenter
Anil Chhangani	22/01/2021, 14:02:19	22/01/2021, 15:19:44	Anil13028@tsecedu.org	Presenter
Shilpa Verma	22/01/2021, 14:02:47	22/01/2021, 15:15:30	Shilpa13027@tsecedu.org	Presenter
Ujwala Bharambe	22/01/2021, 14:04:05	22/01/2021, 15:12:01	Ujwala13032@tsecedu.org	Presenter
Juhi Ganwani	22/01/2021, 14:04:08	22/01/2021, 15:13:58	Juhi13045@tsecedu.org	Presenter

Thadomal Shahani Engineering College

Computer Engineering Department

Minutes of online meeting of Computer Engineering Department

Computer Engineering Department meeting was held on Monday, 22nd March 2021 at 5pm on Microsoft teams, when following members were present:-

1	Dr. Tanuja Sarode	Professor & Head of Computer Engineering Department
2	Dr. Archana Patankar	Professor
3	Dr. Jayant Gadge	Associate Professor
4	Dr. Shilpa Verma	Associate Professor
5	Dr. Seema Kolkur	Assistant Professor
6	Ms. Tasneem Mirza	Assistant Professor
7	Ms. Sakshi Surve	Assistant Professor
8	Dr. Ujawala Bharambe	Assistant Professor
9	Ms. Anagha Durugkar	Assistant Professor
10	Ms. Sonal Shroff	Assistant Professor
11	Ms. Vaishali Suryawanshi	Assistant Professor
12	Ms. Manisha Dumbre	Assistant Professor
13	Ms. Rupali Patil.	Assistant Professor
14	Ms. Vijaya P.	Assistant Professor
15	Dr. Arti Deshpande	Assistant Professor
16	Ms. Urvi Kore	Assistant Professor
17	Mr. Vaibhav Ambhire	Assistant Professor
18	Ms. Nabanita Mandal	Assistant Professor
19	Ms. Darakhshan Khan	Assistant Professor
20	Ms. Juhi Ganwani	Assistant Professor
21	Ms. Shilpa Ingole	Assistant Professor
22	Ms. Poonam Jadhav	Assistant Professor
23	Ms. Parul Jain	Assistant Professor

1. TSEC CodeCell is organizing TSEC Hacks, an 40 hour online hackathon under guidance of prof. Tasneem Mirza from 26th of March to the 28th of March, 2021.
2. Participants will be from different colleges, different streams and different undergraduate levels.
3. Schedule of TSEC Hacks will be:

26th March (Day 1) Opening ceremony will begin at 5pm followed by problem statement explanation. Coding period will begin at 7pm.
27th March (Day 2) Mentoring sessions will be from 10am to 8.30pm.
28th March (Day 3) Coding round will end at 11am. After that judging round will start. At the end winners will be announced.



11. Mentors of Hackathon will be:

Web Development	AI/ML	Social Cause/Blockchain
Saurabh Daware	Rishit Dagli	Vaibhav Chellani
Vilva Athiban	Aanchal Mishra	
Tanisha Sabherwal		

12. Sponsors of Hackathon are:

1. CertifyMe - Education Partner
2. SITH - Education Partner
3. Pair a Dice Cafe - Gaming Partner
4. Wolfram Language - Technology Partner
5. Repl.it - Technology Partner
6. Taskade - Collaboration Partner
7. Give My Certificate - Certificate Partner
8. SashiDo - Technology Partner
9. Coding Blocks - Community Partner

Sd/ 

Dr. Tanuja K. Sarode

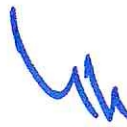
Professor & Head, Computer Engineering Department



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Rupali Patil	22/03/2021, 17:03:15	22/03/2021, 17:26:33	23m 18s	Rupali13038@tsecedu.org	Presenter
Poonam Jadhav	22/03/2021, 17:03:33	22/03/2021, 17:26:43	23m 10s	Poonam324@tsecedu.org	Presenter
Vaibhav Ambhire	22/03/2021, 17:03:47	22/03/2021, 17:26:52	23m 4s	Vaibhav13046@tsecedu.org	Presenter
Shilpa Ingole	22/03/2021, 17:04:03	22/03/2021, 17:26:36	22m 32s	Shilpa13047@tsecedu.org	Presenter
Jayant Gadge	22/03/2021, 17:07:23	22/03/2021, 17:25:54	18m 31s	Jayant13026@tsecedu.org	Presenter
Anagha Durugkar	22/03/2021, 17:09:32	22/03/2021, 17:26:06	16m 33s	Anagha13033@tsecedu.org	Presenter
Vijaya Padamadas	22/03/2021, 17:11:08	22/03/2021, 17:26:11	15m 2s	Vijaya13039@tsecedu.org	Presenter



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Minutes of meeting

Date: 09/07/2020

Time: 11.30 a.m.

Microsoft Teams

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To make attendance sheets for the current semesters and make batches for practical.



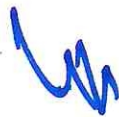
(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan

3. Sruthi Menon 

4. Reshma VK



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Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



Minutes of meeting

Date: 26/10/2020

Time: 11.30 a.m.

Microsoft Teams

A faculty meeting was called and the following points were discussed:

1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.



(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan



3. Sruthi Menon



4. Reshma VK



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Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



Minutes of meeting

Date: 06/01/2021

Time: 11.30 a.m.

Microsoft Teams

A faculty meeting was called and the following points were discussed:

1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.



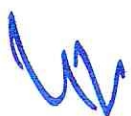
(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan

3. Sruthi Menon

4. Reshma VK



PRINCIPAL
Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



Minutes of meeting

Date: 23/04/2021

Time: 11.30 a.m.

Microsoft Teams

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To make attendance sheets for the current semesters and make batches for practical.



(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan



3. Sruthi Menon



4. Reshma VK



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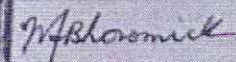
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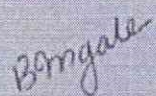


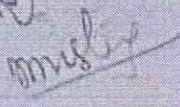

NOTICE

DEPARTMENT MEETING

A departmental meeting is organized on 7th January, 2020 (11.30 am) for the following agenda. All are requested to attend.

1. Time-table finalization
2. Updating Experimental Files in each Lab
3. Planning of Xeuron - departmental event
4. Appointment of Coordinators for various activities
5. Defaulters list
6. Orientation workshops of new subjects
7. Seminar talks/visits by experts from Industry/hospital


(Dr. Mita Bhowmick)

1. Bharati Ingale 
2. Dhananjay Theckedath 
3. Dr. Gauri Shukla
4. Rithesh Kini 
5. Anuradha Mistry 
6. Tanvir Daphedar 

Minutes of Meeting

Chemical Department faculty teaching load distribution IV Online Meeting for AY July 2020- June 2021

Time: 11:00 A.M to 12.00 P.M

Date:
15.06.2020

Attendees:

Dr. Anita Kumari	Dr. Sadhana Purohit	Dr. R. K. Pathak	Dr. Elizabeth Joseph
Prof. Usha Nambiar	Prof. Nita Mehta	Prof. Prasad Parulekar	Prof. Ravindra Joshi
Prof. Sangita Gaikwad	Dr. Trupti Dharmarao	Prof. Mannat Khanwani	

Sr. No.	Points discussed during Chemical Department faculty teaching load distribution Online Meeting(MS Teams) for AY July 2020- June 2021
1	<p>Load Distribution:</p> <p>The department co-ordinator, Dr. Elizabeth Joseph presented the load distribution sheet.</p> <p>Since the Chemical technology (theory) and CELS lab are introduced in third semester load of same was distributed among the faculty members.</p>
2	<p>The load distribution will be reviewed and finalised after discussion with Principal Sir</p>



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Minutes of Meeting

Chemical and Chemistry Department faculty meeting for conducting online labs Online Meeting for AY July 2020- June 2021

Time: 3:00 pm to 3.30 pm

Date:
19.11.2020

Attendees:

Dr. Anita Kumari	Dr. Sadhana Purohit	Dr. R. K. Pathak	Dr. Elizabeth Joseph
Prof. Usha Nambiar	Prof. Nita Mehta	Dr. Ramesh Bhande	Dr. Anupama Sawant
Prof. Anjali Kirkire	Prof. Vandana Kadam	Prof. Prasad Parulekar	Prof. Sangita Gaikwad
Dr. Trupti Dharmarao	Prof. Mannat Khanwani		

Sr. No.	Points discussed during Chemical and Chemistry Department faculty meeting for conducting online labs Online Meeting for AY July 2020- June 2021
1	Online labs: Department Co-ordinator Dr. Elizabeth Joseph informed to all the faculty members about online labs to be finished by next 10 days. For next week only online labs will be engaged
2	Online Lab timetable Slots for all the years for the subjects having labs were discussed with the concerned faculty and are fixed accordingly. Timetable for the same will be floated.
3	Modes for Online lab Faculty members were advised for various modes to conduct the online labs Faculty members were encouraged to present new ideas for the same
4	Lab Journals Faculty members are asked to finish up the online labs and collect lab journals in next 10 days It was advised by the co-ordinator that students should not be overburdened with the lab work therefore faculty should facilitate the proper mode of journal submission. Journals shall be collected as the softcopy
5	Exam Pattern Pattern of online exam of practical and theory will be informed as the instruction comes from the university

06/1/2020

NOTICE

DEPARTMENT MEETING

A departmental meeting is organized on 7th January, 2020 (11.30 am) for the following agenda

All are requested to attend.

1. Time-table finalization
2. Updating Experimental Files in each Lab
3. Planning of Xeuron –departmental event
4. Appointment of Coordinators for various activities
5. Defaulters list
6. Orientation workshops of new subjects
7. Seminar talks/visits by experts from Industry/hospital

M Bhowmick
(Dr. Mita Bhowmick)

1. Bharati Ingale *Bingale*
2. Dhananjay Theckedath *DTheckedath*
3. Dr. Gauri Shukla
4. Rithesh Kini *RKini*
5. Anuradha Mistry *amistry*
6. Tanvir Daphedar

2019-2020

Department

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



MINUTES OF MEETING DEPARTMENT MEETING

Date: 10th July 2019

Time: 12:15 pm

Venue: Room 1006

Agenda of the Meeting:

- Individual Faculty Timetable distribution
- About Minor Research Grant proposal
- Internship Activity / Online courses / Hackathons

1. Convener: Dr. Madhuri Rao

In Attendance:

Prof. Arun Kulkarni	Prof. Archana Kale	Prof. Sampada Pinge
Prof. Shanthi Therese	Prof. Gopal Pardesi	Prof. Mukesh Israni
Prof. Kumkum Saxena	Prof. Nagaveni Hebbar	Prof. Chetan Agarwal
Prof. Sanjay K Pandey	Prof. Sunita Rathod	Prof. Nikhlesh Joshi
Prof. Bhushan Jadhav	Prof. Sanobar Shaikh	Prof. Himani Deshpande
Prof. Vijal Jain	Dr. Darshan Ingle	

Absentee:

Prof. Anjali Malviya

Prof. Geeta Karande

Prof. Reshma Malik

Prof. Shachi Natu

Prof. Monica Tolani

2. General Purpose department meeting regarding the term July- Nov 2019.
3. Individual Faculty Timetable Distribution for current semester.
4. NBA Visit for chemical Engineering Department is scheduled on 25th & 26th August 2019, 25th August shall be working day.
5. To spread awareness about Campus Placement From Second Year onwards.
6. All teachers were instructed to strengthen Internship Activity
7. To provide one point solution to parents by creating academic ambience/ competency building exercise.
8. College shall provide the assistance to organize activities which add value to building competency to student.
9. To encourage students for Hackathons.



Dr. G. T. Thampi
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10. Encourage students for joining MOOC's / NPTEL / Coursera and other online course.
11. Minimum Five Minor Grant Research Proposal is expected from the department till 29th July 2019.
12. Students should be aware of all competency required for job market and importance of communication skills.
13. Mentors/ Teachers were advise to find out if any student lacks in soft skill / communication skills and advised to arrange some courses for these students.
14. To Arrange Guest lectures / Hands on experience(Workshops) for students.



Dr. Madhuri Rao
HOD



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 21/10/2019

Time: 11.30 a.m.

Room No: 202

A faculty meeting was called and the following points were discussed:

1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.
3. Lab in charges were decided for the labs.
4. Lab requirements were discussed and a list of instruments to be serviced was made.


(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan

3. Sruthi Menon

4. Reshma VK


PRINCIPAL
Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



Minutes of meeting


Date: 09/07/2019

Time: 11.30 a.m.

Room No: 202


A faculty meeting was called and the following points were discussed:


1. To make lesson plans for the allotted subjects.
2. To design protocols for the practicals and to check the availability of requirements for the same.
3. To make attendance sheets for the current semesters and make batches for practical.
4. To check the working status of computers and projectors in the allotted classrooms for the department.



(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan 

3. Sruthi Menon 

4. Reshma VK 


PRINCIPAL
Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 07/01/2020

Time: 11.30 a.m.

Room No: 202

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To design protocols for the practicals and to check the availability of requirements for the same.
3. To make attendance sheets for the current semesters and make batches for practical.
4. To check the working status of computers and projectors in the allotted classrooms for the department.


(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan

3. Sruthi Menon

4. Reshma VK





PRINCIPAL
Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



Thadomal Shahani Engg. College

Chem. Engg. Dept.

06.07.2019

Subject: First Meeting of the Teaching Staff

Dear All,

First meeting of teaching staff of Chem. Engg. Dept. for the academic year July-2019 to June-2020 is scheduled on 13th July, Sat at 12.15 pm in Room. No. 102.

The agenda for the meeting are as follows:

1. Review on NBA work
2. Events to be organized in coming semester
3. TSEC website updates
4. Any other matters

Kindly make it convenient to attend and please do come on time.
With regards.



Dr. Anita Kumari
HOD, Chem. Engg. Dept.
TSEC, Bandra(W), Mumbai



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Thadomal Shahani Engg. College
Chem. Engg. Dept.

Date: 13.07.2019, Time: 12.15 pm - 2.15 pm


MINUTES OF SECOND TEACHING STAFF MEETING

1. NBA work related relevant data were discussed and (hard copies with proof) were prepared as per NBA format.
2. Teacher coordinator discussed in detail for various Events to be organized in regular IChE TSEC student chapter annual program which is held every year in October since 2006. Suggestions and feedbacks were taken from Professors to improve quality of event.
3. Collected data for updating TSEC website was reviewed.
4. All the issues related to students & staff were discussed & sorted out by conducting meeting with coordinator of sub-committee, staff & students, separately.

Remark: List of attendee detail (name, sign, date) is maintained in register for same.



Dr. Anita Kumari
HOD, Chem. Engg. Dept.
TSEC, Bandra(W), Mumbai



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Minutes of the Meeting

Date: 29/7/2019

1. BE project synopsis presentation on 5th August 2019 from 12.15 onwards
- 2.

	Class Teacher	Mentor
SE	Gauri Shukla	Rithesh Kini
TE	Anuradha Mistry	Dhananjay Theckedath
BE	Bharati Ingale	Tanvir Daphedar

3. Periodic Test 1 on 26th, 28th and 29th August
Periodic Test time I table coordinator : Gauri Shukla, Anuradha Mistry, Bharati Ingale
4. Defaulters List on 19th count till 16th 2019
5. Internship & Placement files will be compiled by the Internship and Placement coordinators Dhananjay and Rithesh
6. Result Analysis: Tanvir Daphedar
7. Web cam, Mic & Speaker System needs to be purchased.
8. White board for #606 needed.
9. API forms will be resubmitted with required documents.
10. CAP coordinators 2

nmick

2018-2019

Department

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



Date: 03rd May 2019

Time: 01:00 pm

Venue: Room 1006

Agenda of the Meeting:

- Subject Distribution for next Semester (A.Y 2019-20-Odd Semester)
- Academic/NBA File Discussion
- FDP/STTP discussion for upcoming Academic Year: 2019-20
- Departmental Result Discussion.

1. Convener: Dr. Madhuri Rao

In Attendance:

Prof. Archana Kale	Prof. Arun Kulkarni	Prof. Sampada Pingre
Prof. Kumkum Saxena	Prof. Mukesh Israni	Prof. Geeta Karande
Prof. Nagaveni Hebbar	Prof. Sanjay K Pandey	Prof. Sunita Rathod
Prof. Nikhlesh Joshi	Prof. Bhushan Jadhav	Dr. Shachi Natu
Prof. Sanobar Shaikh	Prof. Monica Tolani	Prof. Vijal Jain
Dr. Darshan Ingle		

Absentee:

Prof. Anjali Malviya	Prof. Shanthi Therese	Prof. Gopal Pardesi
Prof. Chetan Agarwal	Prof. Reshma Malik	Prof. Himani Deshpande

2. General Purpose department meeting regarding the term Jan-May 2019.
3. Individual Faculty Subject Distribution for upcoming semester.
4. **Updating NBA Activity Files:** Calculations have to be done by all faculties till last semester Jan-May 2019.
5. CO-PO & LO attainment to be done by all faculties till semester Jan-May 2019.
6. Discussed ways and means of reenergizing/ reorienting Academic activities and building efficiencies in student engagement.
7. Academic File and self-appraisal form shall be submitted by all faculties before proceeding for vacation.
8. Analysis of last semester result (Dec'18 Result) & current semester (except theory result) shall be submitted with the Academic File.

9. The subject allocation is as follows:

Sr. No	Faculty Name	Subject Allocated
1	Dr.G.T.Thampi	Data Structures & Analysis
2	Dr.Madhuri Rao	Management Information System
3	Prof. Archana Kale	Artificial Intelligence
4	Prof. Anjali Malviya	E-Commerce & E-Business, Cyber Security and Laws
5	Prof. Arun Kulkarni	Soft Computing
6	Prof. Sampada Pinge	Microcontroller and Embedded Programming
7	Prof.Shanthi Therese	Advanced Data Management Technology
8	Prof. Gopal Pardesi	Microcontroller and Embedded Programming, Infrastructure Security
9	Prof. Kumkum Saxena	Advanced Data Structures & Analysis of Algorithms
10	Prof.Mukesh Israni	Logic Design
11	Prof.Geeta Karande	Principle of Communications
12	Prof.Nagaveni Hebbar	Infrastructure Security
13	Prof. Chetan Agarwal	Mobile Application Development
14	Prof.Sanjay K Pandey	Enterprise Network Design
15	Prof.Sunita Rathod	Internet Programming
16	Prof.Nikhlesh Joshi	Java Programming Lab
17	Prof.Bhushan Jadhav	Enterprise Network Design
18	Dr.Shachi Natu	Cryptography & Network Security
19	Prof.Sanober Shaikh	Internet Programming, Advanced Data Management Technology
20	Prof.Himani Deshpande	Logic Design
21	Prof.Monica Tolani	Database Management System
22	Prof.Vijal Jain	Cryptography & Network Security, Artificial Intelligence
23	Dr.Darshan Ingle	Data Structures & Analysis

Dr.Madhuri Rao
HOD

MINUTES OF MEETING

Date: January 10, 2019

Time: 02:30 pm

Location: Room 1005

1.Convener: Dr. Madhuri Rao

In Attendance:

Mr. Arun Kulkarni	Ms. Archana Kale	Ms. Anjali Malviya
Ms. Sampada Pingre	Ms. Shanti Therese	Ms. Kumkum Saxena
Mr. Gopal Pardesi	Ms. Geeta Karande	Mr. Sanjay Kumar Pandey
Mr. Chetan Agarwal	Ms. Sunita Rathod	Ms. Shachi Natu
Mr. Bhushan Jadhav	Ms. Sanobar Shaikh	Ms. Himani Deshpande
Ms. Monica Tolani	Ms. Vijal Jain	Mr Darshan Ingle

Absentee:

Mr. Mukesh Israni	Ms. Nagaveni Hebbar	Mr. Nikhilesh Joshi
Ms. Reshma Malik		

2. General Purpose department meeting regarding the term Jan-May 2019.
3. Individual Faculty Time Table Distribution.
4. **Periodic Test dates were declared. PT1 dates- 11, 13, 15 February & PT 2 dates-1,3,5 April 2019.**
5. **Academic Calendar for all three Years (SE, TE, BE) shall be informed later.**
6. Prof. Nikhilesh Joshi appointed as Periodic Test Coordinator.
7. **NBA Compliance Report: Distribution of all points under Compliance Report to all faculties.**
8. Discussed ways and means of reenergizing/ reorienting **Academic activities and building efficiencies in student engagement- 1st Parents Teachers Meeting of Critical Defaulters on 25th Jan 2019.**



Dr Madhuri Rao
(HOD IT)



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



MINUTES OF MEETING

Date: July 9, 2018

Time: 12:00 pm

Location: Room 906

1.Convener: Dr. Madhuri Rao

In Attendance:

Mr. Arun Kulkarni	Ms. Archana Kale	Ms. Anjali Malviya
Ms. Sampada Pingre	Ms. Shanti Therese	Ms. Kumkum Saxena
Mr. Gopal Pardesi	Mr. Mukesh Israni	Ms. Nagaveni Hebbar
Mr. Chetan Agarwal	Ms. Reshma Malik	Ms. Sunita Rathod
Ms. Shachi Natu	Mr. Bhushan Jadhav	Ms. Sanobar Shaikh
Ms. Himani Deshpande	Ms. Monica Tolani	Mr Darshan Ingle
Ms. Vijal Jain		

Absentee:

Ms. Geeta Karande	Mr. Sanjay Kumar Pandey	Mr. Nikhilesh Joshi
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2. General Purpose department meeting regarding the term July-Nov 2018.
3. Individual Faculty Time Table Distribution.
4. **Updating NBA Activity Files:** Calculations have to be done by all faculties till last semester Jan-May 2018.
5. CO-PO attainment to be done by all faculties till semester Jan-May 2018.
6. **Academic Calendar for all three Years (SE, TE, BE) was discussed.**
7. **Periodic Test dates were declared. PT1 dates- 4, 6, 7 September & PT 2 dates-15, 17, 19 October 2018.**
9. Discussed ways and means of reenergizing/ reorienting **Academic activities and building efficiencies in student engagement.**
10. Prof. Darshan Ingle appointed as Periodic Test Co-ordinator.



Dr Madhuri Rao
(HOD IT)



Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 11/07/2018

Time: 11.30 a.m.

Room No: 202

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To design protocols for the practicals and to check the availability of requirements for the same.
3. To make attendance sheets for the current semesters and make batches for practical.
4. To check the working status of computers and projectors in the allotted classrooms for the department.



(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan



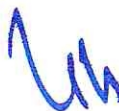
3. Sruthi Menon



4. Reshma VK



5. Pallavi Bhalerao



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Nari Gureshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting


Date: 22/10/2018

Time: 11.30 a.m.


Room No: 202


A faculty meeting was called and the following points were discussed:

1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.
3. Lab in charges were decided for the labs.
4. Lab requirements were discussed and a list of instruments to be serviced was made.


(Dr.R.K.Pathak)
HOD


1. Dr.Nitin Periera

2. Praseeda Nambisan 

3. Sruthi Menon 

4. Reshma VK 

5. Pallavi Bhalerao


PRINCIPAL
Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



Minutes of meeting

Date: 08/01/2019

Time: 11.30 a.m.


Room No: 202

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To design protocols for the practicals and to check the availability of requirements for the same.
3. To make attendance sheets for the current semesters and make batches for practical.
4. To check the working status of computers and projectors in the allotted classrooms for the department.


(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan 

3. Sruthi Menon 

4. Reshma VK 


PRINCIPAL
Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



Minutes of meeting


Date: 22/04/2019

Time: 11.30 a.m.


Room No: 202

A faculty meeting was called and the following points were discussed:


1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.
3. Lab in charges were decided for the labs.
4. Lab requirements were discussed and a list of instruments to be serviced was made.


(Dr.R.K.Pathak)
HOD

1. Dr.Nitin Periera

2. Praseeda Nambisan 

3. Sruthi Menon 

4. Reshma VK 


PRINCIPAL
Thadomal Shahani Engineering College
Nari Gurshahani Marg, T. P. S. III,
Bandra (W), Mumbai - 400 050.



17/7/2018

NOTICE
DEPARTMENT MEETING

departmental meeting is organized on 18th July (12.15 pm) for the following agenda.
All are requested to attend.

Time-table and classrooms finalization

Submission of department budget

BE Projects

Updating the website

Analysis of Exit Survey report

TE panel

Class teachers and Mentors for this semester.

Other departmental issues

M. Bhowmick
Dr. Mita Bhowmick

1. Bharati Ingale

2. Dhananjay Thekedath

3. Gauri Shukla

4. Rithesh Kini

5. Anuradha Mistry

6. Tanvir Daphedar

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Thadomal Shahani Engg. College
Chem. Engg. Dept.

16.01.2019

Subject: Fourth Meeting of the Non-Teaching Staff

Dear All,

The fourth meeting of non-teaching staff of Chem. Engg. Dept. is scheduled on 23rd Jan at 10.30 am in HOD office.

The Agenda for the meeting are as follows:

1. Faculty Room Duties
2. Reg Petty Cash
3. Reg Stationery Requirements
4. Any Other Matters



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HOD, Chem. Engg. Dept.
TSEC, Bandra(W), Mumbai



Dr. G. T. Thampi
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MINUTES OF FOURTH NON-TEACHING STAFF MEETING

Date: 23.01.19

Timing: 10.30 am - 11.30 am

1. Faculty Room duties are assigned to all lab attendants as per their consents.
2. Since none of the lab assistants took responsibility to keep petty cash it is decided that money has to be paid by concerned staff & should be claimed later on by submitting voucher & bill or submit the voucher in advance.
3. Stationery will be bought once in an academic year in the beginning of semester i.e. in July every year.
4. In absence of Lab attendant in any lab on any day, either Mr. Chhediram Tiwari or Mr. Santosh Yadav will do duty for same depending on who is free at that time slot.
5. In absence of Mr. Santosh Yadav, Mr. Chhediram Tiwari will do duty for dispatch/Xerox.
6. Mr. Shobha Singh will work as nonteaching staff representative to sort out any issues related to lab /class room /any other non-teaching staff issues.

Remark: List of attendee detail (name, sign, date) is maintained in register for same.



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Thadomal Shahani Engg. College

Chem. Engg. Dept.

02.07.2018

Subject: Second Meeting of the Teaching Staff

Dear All,

Second meeting of teaching staff of Chem. Engg. Dept. for the academic year July-2018 to June-2019 is scheduled on 7th July, Sat at 12.15 pm in Room. No. 102.

The Agenda for the meeting are as follows:

1. Time table and extra teaching load
2. Events to be organized in coming semester
3. TSEC website updates
4. Review on Project load distribution
5. Any other matters

Kindly make it convenient to attend and please do come on time.

With regards.



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TSEC, Bandra(W), Mumbai



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Thadomal Shahani Engg. College

Chem. Engg. Dept.

Date: 07.07.2018, Time: 12.15 pm - 2.15 pm


MINUTES OF SECOND TEACHING STAFF MEETING

1. Time table was circulated to all. 2 Professors were on maternity leave so extra teaching loads were assigned to 3 visiting faculty from the list available with HoD as per college rule.
2. Teacher coordinator discussed in detail for various Events to be organized in regular IChE TSEC student chapter annual program which is held every year in October since 2006. Suggestions and feedbacks were taken from Professors to improve quality of event.
3. Collected data for updating TSEC website was reviewed before sending to concerned staff.
4. Extra project load was adjusted among the existing faculty as per their consent. Suggestions & feedback for calling project examiners from Industry was taken.
5. All the issues related to students & staff were discussed & sorted out by conducting meeting with coordinator of sub-committee, staff & students, separately.

Remark: List of attendee detail (name, sign, date) is maintained in register for same.



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17/7/2018

NOTICE

DEPARTMENT MEETING

departmental meeting is organized on 18th July (12.15 pm) for the following agenda.
All are requested to attend.

- Time-table and classrooms finalization
- Submission of department budget
- BE Projects
- Updating the website
- Analysis of Exit Survey report
- TE panel
- Class teachers and Mentors for this semester.
- Other departmental issues

M. Bhowmick
17/7/18
Dr. Mita Bhowmick)

1. Bharati Ingale

B. Ingale

2. Dhananjay Theckedath

D. Theckedath

3. Gauri Shukla

G. Shukla

4. Rithesh Kini

R. Kini

5. Anuradha Mistry

A. Mistry

6. Tanvir Daphedar

T. Daphedar

Dr. G. T. Thampi

Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



2017-2018

Department

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 11/07/2017

Time: 11.30 a.m.

Room No: 502

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To design protocols for the practicals and to check the availability of requirements for the same.
3. To make attendance sheets for the current semesters and make batches for practical.
4. To check the working status of computers and projectors in the allotted classrooms for the department.

(Prof. C.S.Kulkarni)
HOD

1. Dr.R.K.Pathak
2. Dr.Nitin Periera
3. Praseeda Nambisan
4. Sruthi Menon
5. Reshma VK
6. Lavanya K
7. Manasvee D

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**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 23/10/2017

Time: 11.30 a.m.

Room No: 502

A faculty meeting was called and the following points were discussed:

1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.
3. Lab in charges were decided for the labs.
4. Lab requirements were discussed and a list of instruments to be serviced was made.

(Prof. C.S. Kulkarni)
HOD

1. Dr.R.K.Pathak

2. Dr.Nitin Periera

3. Praseeda Nambisan

4. Sruthi Menon

5. Reshma VK

6. Lavanya K

7. Manasvee D

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**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 08/01/2018

Time: 11.30 a.m.


Room No: 202

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To design protocols for the practicals and to check the availability of requirements for the same.
3. To make attendance sheets for the current semesters and make batches for practical.
4. To check the working status of computers and projectors in the allotted classrooms for the department.

(Prof. C.S. Kulkarni)
HOD

1. Dr.R.K.Pathak
2. Dr.Nitin Periera
3. Praseeda Nambisan
4. Sruthi Menon
5. Reshma VK
6. Pallavi Bhalerao
7. Manavjee D


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**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 23/04/2018

Time: 11.30 a.m.


Room No: 202

A faculty meeting was called and the following points were discussed:

1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.
3. Lab in charges were decided for the labs.
4. Lab requirements were discussed and a list of instruments to be serviced was made.

(Prof. C.S.Kulkarni)
HOD

1. Dr.R.K.Pathak
2. Dr.Nitin Periera
3. Praseeda Nambisan
4. Sruthi Menon
5. Reshma VK
6. Pallavi Bhalerao
7. Manasvee Dhanesha


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Thadomal Shahani Engg. College
Chem. Engg. Dept.

02.07.2018

Subject: First meeting of the Non-Teaching Staff

Dear All,

First meeting of non-teaching staff of Chem. Engg. Dept. is scheduled on 3rd July, Tuesday at 11.30 am in Room. No. 102.

The Agenda for the meeting are as follows:

1. Faculty Room /Lab Duties
2. PT Duties
3. Class Room Incharge
4. Reg Comparative Studies / Stationery Requirements
5. Non-teaching Staff Profile Updates in TSEC Website
6. Journal Submission
7. Any other matters



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HOD, Chem. Engg. Dept.
TSEC, Bandra(W), Mumbai



Dr. G. T. Thampi
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Thadomal Shahani Engg. College
Chem. Engg. Dept.

MINUTES OF FIRST NON-TEACHING STAFF MEETING

Date: 03/07/18

Timing: 11:30-12:30 pm

1. Lab duties are assigned to all non-teaching staff. Details are available in separate circular.
2. Periodic Test duties: Lab assistants & Lab attendant will not do Periodic test duties as per GR.
3. Mr. Tiwari is assigned to open & close all class rooms of Chemical Dept.
4. Ms. Vrishali /Ms. Deepti will do work related to Stationery requirements.
5. Ms. Deepti & Ms. Vrishali will do Comparative studies for quotations obtained. If number of quotations are less than three then reminder will be sent to vendors before Practical classes start.
6. Ms. Deepti will compile data for non-teaching staff to add in staff profile of chemical engineering department at TSEC website.
7. Submission of Journals will be taken by respective Professors during certification. Lab attendant associated with professor will bundle up journals & will keep in store room.

Remark: List of attendee detail (name, sign, date) is maintained in register for same.



Dr. Anita Kumari
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TSEC, Bandra(W), Mumbai



Dr. G. T. Thampi
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Thadomal Shahani Engg. College
Chem. Engg. Dept.

11.04.2018

Subject: First Meeting of the Teaching Staff

Dear All,

First meeting of teaching staff of Chem. Engg. Dept. is scheduled on 18th April, Wednesday at 12.15 pm in Room. No. 102.

The agenda for the meeting are as follows:

1. Various committee to be formed
2. Events to be organized in coming semester
3. Faculty profile updates in TSEC website
4. Journal submission
5. Any other matters

Kindly make it convenient to attend and please do come on time.

With regards.



Dr. Anita Kumari
HOD, Chem. Engg. Dept.
TSEC, Bandra(W), Mumbai



Dr. G. T. Thampi
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Bandra (W), Mumbai - 400 050.



Thadomal Shahani Engg. College Chem. Engg. Dept.

Date: 18.04.2018, Time: 12.15 pm - 2.15 pm

MINUTES OF FIRST TEACHING STAFF MEETING

1. For smooth function of department various committee was made as per Professor's choice.
2. Event calendar for up-coming semester was made. It was decided to conduct 4 guest lectures & regular IChE TSEC student chapter annual program which is held every year in October since 2006.
3. Data was collected as per TSEC website format to update website.
4. Since non-teaching staff refused to take submission of Journals, it is conveyed to all that journal submission will be taken by respective Professors during certification. Lab attendant associated with professor will bundle up journals & will keep in store room.

Remark: List of attendee detail (name, sign, date) is maintained in register for same.



Dr. Anita Kumari
HOD, Chem. Engg. Dept.
TSEC, Bandra(W), Mumbai



Dr. G. T. Thampi
PRINCIPAL
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09/1/2018

NOTICE

DEPARTMENT MEETING

A departmental meeting is organized on 11th January(12.15 pm) for the following agenda. All are requested to attend.

1. Load distribution for the semester
2. Time-table work
3. Designating responsibilities to lab incharges
4. Other departmental issues

M. Bhowmick
Dr. Mita Bhowmick)

1. Bharati Ingale *B Ingale*
2. Dhananjay Theckedath *D Theckedath*
3. Gauri Shukla *G Shukla*
4. Rithesh Kini *R Kini*
5. Anuradha Mistry *A Mistry*
6. Tanvir Daphedar *T Daphedar*

2016-2017

Department

Minutes of Meeting



Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.





MINUTES OF MEETING

Date : Oct 15, 2016

Time : 1200hrs

Location : Room 908

Minutes Keeper : Ms. Vipra Dave

1. **Convener** : Dr. Madhuri Rao


In Attendance:

Mr. Arun Kulkarni	Ms. Archana Kale	Ms. Anjali Malviya
Ms. Santhi Therese	Ms. Sampada Pinge	Mr. Gopal Pardesi
Mr. Mukesh Ishrani	Ms. Geeta Karande	Ms. Nagveni Hebber
Mr. Chetan Agarwal	Ms. Reshma Malik	Ms. Sunita Rathore
Mr. Nikhilesh Joshi	Ms. Sachi Natu	Mr. Bhushan Jadhav
Ms. Sanobar Sheikh	Mr. Sanjay Kumar Pandey	Ms. Himani Deshpande
Ms. Vipra Dave	Ms. Shalu Bakhtiani	

Absentee:

Ms. Kumkum Saxena	Ms. Preeti Mistry	Ms. Tahrim Sheikh
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- General Purpose department meeting regarding the term July – Nov 2016.
- Defaulter's cases** – the respective Subject In-charge *and* Class Teacher's will take care of the defaulter students in the semester.
- Discussion on **Feedback** from Students was carried out to mail the form link to all the students for S.E , T.E and B.E. Form includes both Course Outcome feedback as well as Faculty Feedback.
Forms have to be filled up by students before end of 2nd Periodic Tests.
- Course Attainment** calculations have to be done by all the Faculties for the current semester July – Nov 2016. It has to be put in Academic File for the current session.
- Certification and Submission** dates are decided from 24 Oct - 26 Oct.
Respective Lab have been assigned to each subject and the list is displayed for all the faculties according to Subjects.
- Before vacation** all faculties have to submit their Course/Academic Files. One has to update Personal File (if required).
Content beyond syllabus also has to be mentioned in the academic file if taken for the Subject (with proof)


Dr. G. T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.




Dr. Madhuri Rao
(HOD – IT)

Minutes of Meeting

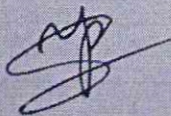
Date: 3.3.2017

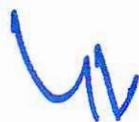
Time: 12:15 p.m

Room No.-203

A faculty meeting was called and the following agendas were discussed:-

1. All vouchers needs to be cleared by department petty cash as early as possible. No bills will be cleared after 25th March.
2. CO attainment needs to be calculated from Periodic Test Marks and Lab. Assignments.
3. Forms for External Survey and Course End Survey has to be designed by respective subject incharges.
4. All students should fill the Course End Survey for all subjects. Course End Survey forms should contain Name and Roll no. of the student.
5. Proper slots should be prepared and faculties should be appointed as incharges to ensure that students are filling the survey forms.
6. All faculties should design Feedback forms.
7. Program Exit Survey has to be taken from B.E students.


Dr. Tanuja Sarode



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Bandra (W), Mumbai - 400 050.



Minutes of Meeting

Date: 9.1.2017

Time: 12:15 p.m

Room No.-203

A faculty meeting was called and the following agendas were discussed:-

1. Jan-April semester starts on 11.1.2017 and ends on 29.4.2017
2. The following teachers have been appointed as class teachers:-
 - a) Ms. Sakshi Surve and Ms. Urvi Kore for S.E
 - b) Ms. Seema Kolkur and Ms. Anagha Durugkar for T.E
 - c) Dr. Archana Patankar and Ms. Tasneem Mirza for B.E
3. Ms. Vijaya Padmadas and Ms. Vaishali Suryawanshi have been appointed as Project Coordinators.
4. Mr. Aejaazul Khan and Ms. Arti Deshpande have been appointed as Periodic Test Coordinators.
5. List of experiments has to be displayed in the notice board of all labs. by the respective subject inchparges by 12.1.2017.
6. First Periodic Test will be conducted on 3rd week of February.
7. Redefinition of Course outcomes according to Bloom's Taxonomy for current semester has to be done. It has to be verified by the following faculties:-
 - a) Mr. Aejaazul Khan for S.E
 - b) Ms. Vijaya Padmadas for T.E
 - c) Dr. Archana Patankar for B.E
8. Interaction with the outside world and Papers published has to be submitted to Ms. Nabanita Mandal.
9. Departmental Petty Cash will be handled by Mr. Kiran Patil.
10. Ms. Darakhshan Khan has to collect faculty profile and letter of appointment from the new faculties.



Dr. Tanuja Sankar



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Bandra (W), Mumbai - 400 050.

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Minutes of Meeting

Date: 26.10.2016

Time: 11:30 a.m

Room No.-203

A faculty meeting was called and the following points were discussed:-

1. Exam remuneration to be handled by Ms. Angelin Florence and Ms. Darakhshan Khan.
2. Model answer scripts for both periodic test question papers to be attached in course file.
3. Print out of Lab. Rubrics needs to be attached in course file.
4. Periodic test-1, test- 2 and average marks to be submitted to HOD by respective subject incharge.
5. Termwork breakup marks has to be submitted to HOD by respective subject incharge.
6. Print out of excel sheet for feedback and course end survey has to be attached in course file.
7. Mapping of grades with marks has to be done for Lab. Experiments as well as Written Assignments.
8. Lab. Rubrics-Grades for each experiment has to be given considering the following parameters:-
 - a) Conceptual Knowledge -3 marks
 - b) Procedural Knowledge-3 marks
 - c) Programming/Designing-3 marks
 - d) Write-up/Presentation-3 marks
 - e) Overall Behaviour-3 marks
9. Written Assignment Rubrics- Grades for written experiment has to be given considering the following parameters:-
 - a) Assignment Completion-3 marks
 - b) Accuracy-3 marks
 - c) Legibility-3 marks
10. B.E Project Rubrics- Grades for project has to be given considering the following parameters:-
 - a) Understanding of Problem-4 marks
 - b) Analysis of Project-4 marks
 - c) Design of Project-4 marks
 - d) Report Writing-4 marks
 - e) Presentation and Question Answer-4 marks
 - f) Discipline and Team Work-5 marks

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**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 07/07/2016

Time: 11.30 a.m.

Room No: 502

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To design protocols for the practicals and to check the availability of requirements for the same.
3. To make attendance sheets for the current semesters and make batches for practical.
4. To check the working status of computers and projectors in the allotted classrooms for the department.

(Prof. C.S.Kulkarni)
HOD

1. Dr.R.K.Pathak

2. Dr.Nitin Periera

3. Praseeda Nambisan

4. Sruthi Menon

5. Reshma VK


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**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 24/10/2016

Time: 11.30 a.m.

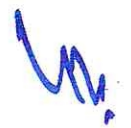
Room No: 502

A faculty meeting was called and the following points were discussed:

1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.
3. Lab in charges were decided for the labs.
4. Lab requirements were discussed and a list of instruments to be serviced was made.

(Prof. C.S.Kulkarni)
HOD

1. Dr.R.K.Pathak
2. Dr.Nitin Periera
3. Praseeda Nambisan
4. Reshma VK
5. Lavanya K
6. Manasvee D


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**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 10/01/2017

Time: 11.30 a.m.

Room No: 502

A faculty meeting was called and the following points were discussed:

1. To make lesson plans for the allotted subjects.
2. To design protocols for the practicals and to check the availability of requirements for the same.
3. To make attendance sheets for the current semesters and make batches for practical.
4. To check the working status of computers and projectors in the allotted classrooms for the department.

(Prof. C.S.Kulkarni)
HOD

1. Dr.R.K.Pathak
2. Dr.Nitin Periera
3. Praseeda Nambisan
4. Sruthi Menon
5. Reshma VK

6. Manasvee D
7. Lavanya K

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**THADOMAL SHAHANI ENGINEERING COLLEGE
BIOTECHNOLOGY DEPARTMENT**

Minutes of meeting

Date: 24/04/2017

Time: 11.30 a.m.

Room No: 502

A faculty meeting was called and the following points were discussed:

1. The load distribution for the upcoming semesters were discussed and finalized.
2. The time table slots were finalized.
3. Lab in charges were decided for the labs.
4. Lab requirements were discussed and a list of instruments to be serviced was made.

(Prof. C.S.Kulkarni)
HOD

1. Dr.R.K.Pathak

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