

# **TIMETABLE I SEMESTER 2021 - 22**



**Birla Institute of Technology & Science, Pilani**  
Hyderabad Campus

# I SEM 2021-22 ACADEMIC CALENDAR

JULY							AUGUST							SEPTEMBER						
SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S
				1	2	3	1	2	3	4	5	6	7	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28	29	30		
OCTOBER							NOVEMBER							DECEMBER						
SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S	SU	M	T	W	TH	F	S
31					1	2	1	2	3	4	5	6		1	2	3	4	5	6	
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	

July 5 (M)	Registration for Practice School II	October 29 (F)	Last day for withdrawal from courses
July 5 (M)	Practice School II begins	October 30 (S)	Last day of submission of mid-semester grading
July 21(W)	Id-ul-Zuha(H)	Nov 1 (M) – 3 (W)	Midterm break (Classwork suspended)
August 15 (Su)	Independence Day (H)	November 4 (TH)	Diwali (H)
August 20 (F)	First Semester begins	November 5 (F)	
August 20 (F)	Registration for all students	November 19 (F)	Guru Nanak's Birthday (H)
August 21 (S)	Class-work begins	December 9 (Th)	Last day of class work
August 30 (M)	Janmashtami (H)	December 11 (S)	Comprehensive examination begins
September 4 (S)	Last day for substitution of courses	December 15 (W)	Practice School II ends
September 10 (F)	Ganesh Chaturthi (H) (Campus specific holiday)	December 25 (S)	Christmas (H)
October 2 (S)	Mahatma Gandhi's Birthday (H)	December 28 (T)	Comprehensive examination ends
October 15 (F)	Dussehra (H)	December 28 (T)	First Semester ends
Oct.18(M) to Oct. 23 (S)	Mid Semester Exams	Dec 30(Th)–Jan 13(Th)	Recess

## LEGEND

S. No.	Title	Explanation
1.	COM CODE	Computer Code of the Course
2.	COURSE NO	Course Number
3.	COURSE TITLE	Course Title
		L = Lecture Hours per week
4.	CREDIT	P = Practical Hours per week U = Total Units of the course
5.	SEC	Section Number
6.	INSTRUCTOR-IN-CHARGE / Instructor	Name in CAPITAL LETTERS indicates INSTRUCTOR-IN-CHARGE Other names are of instructors
7.	ROOM	First letter indicates block. Eg: F indicates that the room is in F block First digit of number indicates floor, 1 for ground floor and 2 for first floor M = Monday T = Tuesday
8.	DAYS	W = Wednesday Th = Thursday F = Friday S = Saturday
9.	HOURS	1 stands for 8.00 AM-8.50 AM, 2 for 9.00 AM-9.50 AM and so on
10.	COMPRE EXAM DATE (Session)	FN: 10.00 AM to 12.00 PM AN: 3.00 PM to 5.00 PM

## CONTENTS

<b>Sl. No.</b>	<b>Item</b>
I.	Course Handout
II.	Course wise Timetable
III.	Textbooks
IV.	Suggestions for Choosing Electives
V.	List of Prerequisites
VI.	Certain Instructions Regarding Registration
VII	Library, EDD and Campus Book Store
	Blank Timetable
	Blank Comprehensive Examination Schedule

## **I. COURSE HANDOUT**

Each course will have a Course Handout which will describe all the operational details of the course. This will be in two parts. While Part I describes the general operational details applicable to all courses, Part II will describe the specific details for a particular course in terms of lecture-wise plan, reference material, evaluation schedule, etc. Part I of the handout is given below and Part II of the handout will be made available to the students during the first week of class work by the respective course Instructor In-charge/ Instructor.

### **COURSE HANDOUT PART – I**

- 1. Textbook:** Refer to Section IV in the timetable for textbook(s) of the course and also in Part-II of the course handout.
- 2. Attendance:** Every student is expected to be regular (in attendance) in all lecture classes, tutorials, laboratories, tests, quizzes, seminars etc and in fulfilling all tasks assigned to him/her. Attendance will be recorded.
- 3. Home Assignment:** Every student must submit promptly and properly all home assignments, as detailed in Part II of the course handout.
- 4. Reading Assignment:** Every student must complete his/her reading assignment and come prepared to the class. For details see Part II of the course handout.
- 5. Evaluation:** As per guidelines sent by DEAN- AUGSD / DEAN- AGSRD for the current semester.
- 6. Make-up:**  
Make-up for any component of evaluation will be given only in genuine cases of absence. Permission of the Instructor-in-charge, before the examination, is necessary, if the absence is anticipated. The request for make-up should reach the Instructor-in-charge at the earliest. The make-up will be arranged normally in about a week from the date of the regular examination.
- 7. Return of marked answer books:**  
The marked answer books are normally distributed in the classroom within a week after the examination on two consecutive turns, beyond which the same may be collected from Instructor's chamber within one week. In the case of comprehensive examination, the answer books will be distributed to the students at a pre-announced venue and time before finalization of the grades. Request for recheck of the answers must be made immediately upon receipt of the answer books.
- 8. Discussion of performance:**  
At the time of or before the distribution of marked answer books, performance vis-à-vis the expected correct answers will be discussed. The highest, lowest, and average marks will also be announced simultaneously.
- 9. Mid-semester grading:**  
Mid-semester grading will be announced normally on or before of October 30th, 2021. It is done in the same manner as that of the final grading as explained below in item 11.

**10. Pre-comprehensive total:**

Students must check their pre-comprehensive total of marks with their respective instructors before the comprehensive examination.

**11. Final grading:**

Total marks of all the students in a course will be tabulated in a histogram. The performance of the class will be analyzed in terms of the average, highest and lowest marks and dividing lines between various clusters. Gaps between clusters and the nature of clusters will guide drawing the dividing lines between various grades. A student may be awarded one of the following letter grades with the corresponding grade points: A(10), A-(9), B(8), B-(7), C(6), C-(5), D(4) & E(2). In a class of large size, the C-band will usually include the average mark. This is not a hard and fast rule, and exceptions may arise in cases of small classes or a skewed histogram etc.

If a student gives the instructor inadequate opportunity to evaluate him/ her by absenting himself/ herself from one or various components of evaluation, he/ she will get an NC report (Refer to 4.19, 4.20 of the Academic Regulations).

**12. Chamber consultation hours:**

Each instructor will specify the chamber consultation hours during which the student can contact him/her in his/her office for consultation.

**13. Notice:**

Notices, concerning a course will be displayed on one specific Notice Board only. (For details see part II of handout).

**TIMETABLE & EXAMS**  
**TIMETABLE FIRST SEMESTER 2021-2022**  
**ONGOING STUDENTS (FD & HD)**

COM COD	COURSE NO.	COURSE TITLE	CREDIT L P U			S E C	INSTRUCTOR-IN-CHARGE/ Instructor	DAYS	HOURS	MID SEMESTER EXAMINATION DATE & TIME	COMPRE DATE & SESSION
1001	BIO F110	BIOLOGY LABORATORY	0	2	1	12	Murali Krishna Ramgopal	T	8 9		11/12 FN
1112	BIO F211	BIOLOGICAL CHEMISTRY	3	-	3	1	DEBASHREE B	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
		Tutorial					Devarakonda Himaja	T	1		
1114	BIO F212	MICROBIOLOGY	3	1	4	1	RUCHI JAIN DEY	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
		Practical					Nidhi O	Th	7 8 9		
							Monica				
							Priyanka Chakravarti				
1113	BIO F213	CELL BIOLOGY	3	-	3	1	K PRANAV NARAYAN	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
		Tutorial					Dwaipayan Bhattacharya	Th	1		
1115	BIO F214	INTEGRATED BIOLOGY	3	-	3	1	KIRTIMAAN SYAL	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Tutorial					Neethu R S	S	1		
1651	BIO F266	STUDY PROJECT	-	-	3	1	K PRANAV NARAYAN				
1427	BIO F311	RECOMBINANT DNA TECH	3	-	3	1	VIDYA RAJESH	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
		Tutorial					Sumana Choudhury	M	7		
1428	BIO F312	PLANT PHYSIOLOGY	3	-	3	1	SRIDEV MOHAPATRA	M W F	5	19/10/2021 9.00 - 10.30AM	14/12 FN
		Tutorial					Raja Gopalan N S	W	7		
1429	BIO F313	ANIMAL PHYSIOLOGY	3	-	3	1	NAGA MOHAN K	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN
		Tutorial					Anne Lohitha Alias Anuhya	F	7		
1650	BIO F366	LABORATORY PROJECT	-	-	3	1	K PRANAV NARAYAN				
1736	BIO F367	LABORATORY PROJECT	-	-	3	1	K PRANAV NARAYAN				
1685	BIO F376	DESIGN PROJECT	-	-	3	1	K PRANAV NARAYAN				
1752	BIO F377	DESIGN PROJECT	-	-	3	1	K PRANAV NARAYAN				
1434	BIO F418	GENETIC ENGINEERING TECH	1	3	4	1	NISHITH GUPTA	M	7	21/10/2021 3.30 -5.00PM	21/12 FN
		Practical					Nishith Gupta	T Th	7 8 9		
							Naresh Patnaik				
							Peddiraju N V S J Swaroop				

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					Ratnesh Kumar Srivastav				
					Rolly Kumari				
388	BIO G513	MICROBIAL FERMENT TECHNO	3 2 5	1	JAYATI RAY DUTTA	M W F	3	18/10/2021 1.30 - 3.00PM	13/12 AN
		Practical			Pranay Amruth Maroju	T Th	4 5		
					Mude Hemanjali				
					Sakhare Kalyani Rajesh				
392	BIO G514	MOLECULAR IMMUNOLOGY	- - 5	1	TRINATH JAMMA	T Th S	2	20/10/2021 3.30 - 5.00PM	17/12 AN
		Practical			Nikhil P T	M F	8 9		
					K.Vaishali				
					Lakesh Kumar Sahoo				
192	BIO G526	CANCER BIOLOGY	3 2 5	1	VIVEK SHARMA	M W F	2	19/10/2021 3.30 - 5.00PM	15/12 FN
		Practical			Swati	F	4 5		
					Bakhya Shree Gb				
					Mohammad Mehaboob Subh				
					Swati	W	8 9		
					Bakhya Shree Gb				
					Mohammad Mehaboob Subh				
2017	BIO G651	PROTEIN & ENZYME BIOENGG	3 2 5	1	V RAMAKRISHNA	T Th S	3	22/10/2021 1.30 - 3.00PM	23/12 FN
		Practical			I Shivkumar	M W	4 5		
					Deepika K				
					Kodam Pradeep				
1368	BIOT F345	PROTEOMICS	3 - 3	1	SHUVADEEP MAITY	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
549	BITS C790T	INDEPENDENT STUDY	- - 2	1	V V KRISHNA VENUGANTI				
596	BITS C791T	TEACHING PRACTICE I	- - 1	1	V V KRISHNA VENUGANTI				
520	BITS C797T	PHD SEMINAR	- - 1	1	V V KRISHNA VENUGANTI				
553	BITS C799T	PHD THESIS	- - 10	1	V V KRISHNA VENUGANTI				

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2128	BITS E593	READING COURSE I	- - 5	1	V V KRISHNA VENUGANTI				
2490	BITS E594	READING COURSE II	3 - 3	1	SUNNY KUMAR SINGH				
2101	BITS E661	RESEARCH METHODOLOGY I	- - 5	1	DURBA ROY	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
					PTV Praveen Kumar				
857	BITS E793T	PRACTICE LECT SERIES I	- - 1	1	V V KRISHNA VENUGANTI				
1003	BITS F110	ENGINEERING GRAPHICS	1 2 2	3	Arshad Javed	M	6	18/10/2021 11.00 - 12.30PM	11/12 AN
		Practical		10	Arshad Javed	S	7 8		
		Tutorial		11	Arshad Javed	W	6		
1004	BITS F111	THERMODYNAMICS	3 - 3	10	R Parameshwaran	M W F	3	18/10/2021 11.00 - 12.30PM	11/12 AN
		Tutorial		10	R Parameshwaran	Th	1		
1892	BITS F214	SCIENCE TECH & MODERNITY	3 - 3	1	BISWANATH DASH	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
1861	BITS F218	GENERAL MATHEMATICS III	3 - 3	1	JHUMA SEN GUPTA	M W F	5	19/10/2021 9.00 - 10.30AM	14/12 FN
		Tutorial			Jhuma Sen Gupta	T	9		
1632	BITS F225	ENVIRONMENTAL STUDIES	3 - 3	1	HIMANSHU AGGARWAL	T Th S	4	20/10/2021 1.30 - 3.00PM	20/12 AN
					Chandu Parimi				
					Debashree B				
					Govu Radha				
					Madhuparna Chakraborty				
1334	BITS F312	NEURAL NETWORKS AND FUZZY LOGIC	3 - 3	1	RAJESH KUMAR TRIPATHY	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
					Samit Kumar Ghosh				
1237	BITS F313	MULTICRITERION DEC MAKING IN ENGG & MGMT	3 - 3	1	K SRINIVASA RAJU	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
2277	BITS F314	GAME THEORY AND ITS APPLICATIONS	3 - 3	1	DURGESH C PATHAK	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
1511	BITS F316	NONLINEAR DYNA & CHAOS	3 - 3	1	ARAVINDA N RAGHAVAN	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
2336	BITS F327	ARTIFICIAL INTELLIGENCE FOR ROBOTICS	2 1 3	1	ABHISHEK SARKAR	M W	2	23/10/2021 9.00 - 10.30AM	27/12 AN
		Practical			Abhishek Sarkar	Th	8 9		

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1337	BITS F386	QUANTUM INFO & COMPUTING	3	-	3	1	K V SHIV CHAITANYA	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
1592	BITS F412	PRACTICE SCHOOL II	-	-	20	1	SP REGALLA				
1615	BITS F413	PRACTICE SCHOOL II	-	-	20	1	SP REGALLA				
1248	BITS F415	INTRODUCTION TO MEMS	3	1	4	1	SANKET GOEL	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
		Practical					Sanket Goel	T	8 9		
							Pavar Sai Kumar				
							Sohan Dudala				
1808	BITS F416	INTRO TO NANO SCIENCE	3	-	3	1	B HARIHARA VENKATARA	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
							VSN Murthy				
1593	BITS F421T	THESIS	-	-	16	1	A VASAN				
1616	BITS F422T	THESIS	-	-	16	1	A VASAN				
1617	BITS F423T	THESIS	-	-	9	1	A VASAN				
1619	BITS F424T	THESIS	-	-	9	1	A VASAN				
1794	BITS F428	ESSENTIALS OF STRATE MGT	3	-	3	1	SWATI ALOK	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
2434	BITS F452	BLOCKCHAIN TECHNOLOGY	3	-	3	1	G GEETHAKUMARI	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
							Deepa Kumari				
2436	BITS F454	BIO INSPIRED INTEL ALGORITHMS AND APPLICATIONS	3	-	3	1	JABEZ J CHRISTOPHER	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
1379	BITS F467	BIOETHICS AND BIOSAFETY	3	-	3	1	SRINIVAS PRASAD K	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
547	BITS G513	STUDY IN ADVANCED TOPICS	-	-	5	1	V V KRISHNA VENUGANTI				
754	BITS G529	RESEARCH PROJECT I	-	-	6	1	V V KRISHNA VENUGANTI				
755	BITS G539	RESEARCH PROJECT II	-	-	6	1	V V KRISHNA VENUGANTI				
2003	BITS G540	RESEARCH PRACTICE	-	-	4	1	V V KRISHNA VENUGANTI				
757	BITS G649	READING COURSE	-	-	5	1	V V KRISHNA VENUGANTI				
1073	CE F211	MECHANICS OF SOLIDS	3	-	3	1	SHIVANG SHEKHAR	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Tutorial				1	Chirdeep N R	T	1		
						2	Chirdeep N R	Th	1		

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1075	CE F213	SURVEYING	3	1	4	1	K RAJITHA	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
		Practical				1	Sandra Maria Cherian	Th	2 3		
						2	Ramakrishna U	S	2 3		
						3	Krishnendu Sivadas	Th	7 8		
		Tutorial				1	K Rajitha	S	1		
						2	K Rajitha	Th	9		
2279	CE F230	CIVIL ENGINEERING MATERIALS	3	1	4	1	PN RAO	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
		Practical				1	Jittin Varghese	S	2 3		
						2	Syed Mazhar	T	7 8		
						3	Sk Rahaman	T	2 3		
		Tutorial				1	PN Rao	S	1		
						2	PN Rao	Th	9		
2280	CE F231	FLUID MECHANICS	3	-	3	1	K SRINIVASA RAJU	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
		Tutorial				1	Vogeti Rishith Kumar	T	1		
						2	Vogeti Rishith Kumar	Th	1		
1652	CE F266	STUDY PROJECT	-	-	3	1	ANMALA JAGADEESH				
1196	CE F312	HYDRAULIC ENGINEERING	3	1	4	1	ANMALA JAGADEESH	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
		Practical				1	T Venkateswarlu	M	4 5		
						2	M Naveen Naidu	W	4 5		
						3	Nagalapalli Satish	T	8 9		
		Tutorial				1	Anmala Jagadeesh	F	1		
						2	Anmala Jagadeesh	W	1		
1197	CE F313	FOUNDATION ENGINEERING	3	-	3	1	ANASUA GUHARAY	M W F	3	22/10/2021 1.30 - 3.00PM	23/12 AN
		Tutorial				1	Anasua Guharay	M	1		
						2	Anasua Guharay	W	1		
2281	CE F320	DESIGN OF REINFORCED CONCRETE	3	-	3	1	ARKAMITRA KAR	T Th S	2	20/10/2021 11.00 -12.30PM	20/12 FN
		Tutorial				1	Arkamitra Kar	M	1		
						2	Arkamitra Kar	F	1		

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1215	CE F323	INTRO TO ENVIRN ENGG	3 - 3	1	MURARI R R VARMA	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
1667	CE F366	LABORATORY PROJECT	- - 3	1	PRASANTA KUMAR SAHU				
1737	CE F367	LABORATORY PROJECT	- - 3	1	PRASANTA KUMAR SAHU				
1686	CE F376	DESIGN PROJECT	- - 3	1	PN RAO				
1753	CE F377	DESIGN PROJECT	- - 3	1	PN RAO				
1214	CE F411	OPER RESEARCH FOR ENGIN	3 - 3	1	A VASAN	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
1231	CE F417	APP OF AI IN CIVIL ENGG	3 - 3	1	ANMALA JAGADEESH	M W F	7	21/10/2021 3.30 - 5.00PM	21/12 FN
1227	CE F431	PRIN OF GEO INFO SYST	3 1 4	1	K RAJITHA	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
		Practical			K Rajitha	F	4 5		
357	CE G538	PROJECT PLAN & MGMT	3 1 4	1	BAHURUDEEN A	T Th S	3	20/10/2021 3.30 - 5.00PM	17/12 AN
		Practical			Bahurudeen A	W	8 9		
931	CE G545	AIRPORT PLANNING & DES	3 1 4	1	SRIDHAR RAJU	M W F	3	19/10/2021 3.30 - 5.00PM	15/12 FN
		Practical			Sridhar Raju	T	8 9		
2025	CE G548	PAVEMENT MGMT SYSTEMS	3 1 4	1	V VINAYAKA RAM	M W F	4	22/10/2021 1.30 - 3.00PM	23/12 FN
		Practical			V Vinayaka Ram	M	8 9		
532	CE G553	THEORY OF PLATES AND SHELLS	3 1 4	1	CHANDU PARIMI	M W F	4	20/10/2021 3.30 - 5.00PM	17/12 AN
		Practical			Chandu Parimi	Th	8 9		
2199	CE G562	ADVANCED CONCRETE TECHNOLOGY	3 1 4	1	ARKAMITRA KAR	T Th S	5	21/10/2021 3.30 - 5.00PM	21/12 FN
		Practical			Arkamitra Kar	M	8 9		
2341	CE G569	TRANSPORTATION ECONOMICS	3 1 4	1	BANDHAN BANDHU MAJU	T Th S	2	21/10/2021 3.30 - 5.00PM	21/12 FN
		Practical			Bandhan Bandhu Majumdar	Th	8 9		
2344	CE G572	TRANSPORTATION DATA ANALYTICS	3 1 4	1	PRASANTA KUMAR SAHU	T Th S	5	18/10/2021 1.30 - 3.00PM	13/12 AN
		Practical			Prasanta Kumar Sahu	F	8 9		
345	CE G612	ADVANCED STEEL STRUCTURE	3 1 4	1	MOHAN S C	M W F	3	19/10/2021 3.30 - 5.00PM	15/12 FN
		Practical			Mohan S C	W	8 9		
613	CE G614	PRESTRESS CONCRETE STRUC	3 1 4	1	BAHURUDEEN A	M W F	5	18/10/2021 1.30 - 3.00PM	13/12 AN

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		Practical			Bahurudeen A	T	8 9		
1069	CHE F211	CHEMICAL PROCESS CALCULA	3 - 3	1	NANDINI BHANDARU	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Tutorial		1	Nandini Bhandaru	T	1		
				2	Nandini Bhandaru	S	1		
1072	CHE F212	FLUID MECHANICS	3 - 3	1	I SREEDHAR	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
		Tutorial		1	I Sreedhar	T	1		
				2	I Sreedhar	Th	1		
1071	CHE F213	CHEM ENGG THERMODYNAMICS	3 - 3	1	SATYAPAUL SINGH AMART	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
		Tutorial		1	Satyapaul Singh Amarthaluri	S	1		
				2	Satyapaul Singh Amarthaluri	Th	1		
1070	CHE F214	ENGINEERING CHEMISTRY	3 - 3	1	KARTHIK CHETAN	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
		Tutorial			Karthik Chetan	Th	9		
1653	CHE F266	STUDY PROJECT	- - 3	1	ARNAB DUTTA				
1184	CHE F311	KINETICS & REACTOR DESIGN	3 - 3	1	IYMAN ABRAR	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
		Tutorial		1	Iyman Abrar	M	1		
				2	Iyman Abrar	F	1		
1185	CHE F312	CHEMICAL ENGG LAB I	- 3 3	1	BALAJI KRISHNAMURTHY	M W	3 4 5		
					Vuchuru Kalyan				
				2	I Sreedhar	M W	3 4 5		
					Aniruddha Ramadurgam				
					Karthik Chetan				
					Sadamanti Sireesha				
1186	CHE F313	SEPARATION PROCESSES II	3 - 3	1	JAIDEEP CHATTERJEE	T Th S	2	20/10/2021 11.00 -12.30PM	20/12 FN
		Tutorial		1	Jaideep Chatterjee	W	1		
				2	Jaideep Chatterjee	F	1		
1187	CHE F314	PROCESS DES PRINCIPLES I	3 - 3	1	VIKRANT KUMAR S	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN
		Tutorial		1	Vikrant Kumar S	W	1		
				2	Vikrant Kumar S	M	1		

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1668	CHE F366	LABORATORY PROJECT	- - 3	1	DEBIRUPA MITRA				
1738	CHE F367	LABORATORY PROJECT	- - 3	1	DEBIRUPA MITRA				
1687	CHE F376	DESIGN PROJECT	- - 3	1	DEBIRUPA MITRA				
1754	CHE F377	DESIGN PROJECT	- - 3	1	DEBIRUPA MITRA				
1206	CHE F411	ENVIR POLLUTION CONTROL	3 - 3	1	SRIKANTA DINDA	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
1205	CHE F421	BIOCHEMICAL ENGINEERING	3 - 3	1	DEBIRUPA MITRA	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
					Madhusmita Sahoo				
2178	CHE F422	PETRO. REFI. TECH.	3 - 3	1	PANKAJ KUMAR	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
1116	CHEM F211	PHYSICAL CHEMISTRY I	3 - 3	1	AMIT NAG	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
		Tutorial			Amit Nag	T	1		
					Deepthi Priyanka Damera				
1117	CHEM F212	ORGANIC CHEMISTRY I	3 - 3	1	MANAB CHAKRAVARTY	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
		Tutorial			Manab Chakravarty	M	1		
					Banchhanidhi Prusti				
1118	CHEM F213	PHYSICAL CHEMISTRY II	3 - 3	1	K SUMITHRA	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Tutorial			K Sumithra	Th	9		
					Christina Nilavu				
1119	CHEM F214	INORGANIC CHEMISTRY I	3 - 3	1	N RAJESH	M W F	3	22/10/2021 1.30 - 3.00PM	23/12 AN
		Tutorial			N Rajesh	Th	1		
					Arunraj B				
1654	CHEM F266	STUDY PROJECT	- - 3	1	R KRISHNAN				
1559	CHEM F311	ORGANIC CHEMISTRY III	3 - 3	1	KVG CHANDRASEKHAR	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
					Tanmay Chatterjee				
		Tutorial			KVG Chandrasekhar	M	7		
					Nandikolla Adinarayana				
					Tanmay Chatterjee				
1560	CHEM F312	PHYSICAL CHEMISTRY IV	3 - 3	1	DURBA ROY	M W F	5	19/10/2021 9.00 - 10.30AM	14/12 FN
		Tutorial			Durba Roy	W	7		
					Sruthi Peesapati				
1558	CHEM F313	INSTRU METHODS OF ANAL	3 1 4	1	J SUBBALAKSHMI	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN

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					Anupam Bhattacharya				
					Sd Anwarhussaini				
		Practical			J Subbalakshmi	T	7 8 9		
					Amit Nag				
					Anuradha Sureshrao Mohitka				
					Himanshu Aggarwal				
1572	CHEM F325	POLYMER CHEMISTRY	3 - 3	1	CHANCHAL CHAKRAVART	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
					Susmita Roy				
1575	CHEM F326	SOLID STATE CHEMISTRY	3 - 3	1	SOUNAK ROY	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
					Meenu P C				
1583	CHEM F333	CHEMISTRY OF MATERIALS	3 - 3	1	BALAJI GOPALAN	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
					Ankita Singh				
1587	CHEM F337	GREEN CHEM & CATALYSIS	3 - 3	1	R KRISHNAN	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
					Aluri Ravallika				
1669	CHEM F366	LABORATORY PROJECT	- - 3	1	ANUPAM BHATTACHARYA				
					Anuradha Sureshrao Mohitka				
1739	CHEM F367	LABORATORY PROJECT	- - 3	1	ANUPAM BHATTACHARYA				
1688	CHEM F376	DESIGN PROJECT	- - 3	1	KVG CHANDRASEKHAR				
					Shivani Tripathi				
1755	CHEM F377	DESIGN PROJECT	- - 3	1	KVG CHANDRASEKHAR				
1713	CHEM F491	SPECIAL PROJECT	- - 3	1	CHANCHAL CHAKRAVART				
1094	CS F211	DATA STRUCTURES & ALGO	3 1 4	1	CHITTARANJAN HOTA	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
		Practical		1	Apurba Das	M	4 5		
					Mandan Naresh				
				2	Ramaswamy Venkatakrishna	T	8 9		
					S Rasagna Vakkalanka				
1092	CS F213	OBJECT ORIENTED PROG	3 1 4	1	D V N SIVA KUMAR	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
		Practical		1	D V N Siva Kumar	S	2 3		
					Nida Fatima				

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				2	Aruna Malapati	T	7 8		
					Pattiwar Shravan Kumar				
				3	R Gururaj	Th	7 8		
					Chillara Anil Kumar				
				4	Deepa Kumari	T	2 3		
					T Sahithi				
					5 R Gururaj	M	3 4		
					6 Deepa Kumari	Th	2 3		
		Tutorial		1	D V N Siva Kumar	T	1		
				2	Aruna Malapati	T	1		
				3	D V N Siva Kumar	Th	1		
				4	Aruna Malapati	Th	1		
1090	CS F214	LOGIC IN COMPUTER SC	3 - 3	1	RAMASWAMY VENKATAKR	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Tutorial		1	Ramaswamy Venkatakrishna	T	1		
					Chavali Lalitha				
				2	Tathagat Ray	T	1		
				3	Ramaswamy Venkatakrishna	Th	1		
				4	Tathagat Ray	Th	1		
1093	CS F215	DIGITAL DESIGN	3 1 4	1	ANKUR BHATTACHARJEE	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
					Ponnalagu R N				
				2	Amit Kumar Panda	T Th	5		
					S Gurunarayanan				
					Amit Kumar Panda	M	10		
					S Gurunarayanan				
		Practical		1	Ponnalagu R N	T	7 8		
					Aditya Tiwari				
				2	Harish Vijay Dixit	W	3 4		
					Manish Laxminarayan Bhaiy				
					Manish Rishi				
				3	Ankur Bhattacharjee	F	3 4		

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					Manish Laxminarayan Bhaiy				
				4	Subhradeep Pal	T	7 8		
					Mrunali Dnyaneshwar Wagh				
				5	Subhradeep Pal	Th	7 8		
					Mrunali Dnyaneshwar Wagh				
				6	Ankur Bhattacharjee	Th	7 8		
					Jayapiriya U S				
				7	Amit Ranjan Azad	T	2 3		
					Jayapiriya U S				
				8	Sayan Kanungo	S	2 3		
					P Joshna				
				9	Sayan Kanungo	Th	2 3		
					P Joshna				
				10	Subhradeep Pal	M	3 4		
					Aditya Tiwari				
				11	Karumbaiah Chappanda Nan	T	2 3		
					Manish Rishi				
		Tutorial		1	Ponnalagu R N	Th	9		
				2	Ponnalagu R N	S	1		
				3	Ankur Bhattacharjee	M	1		
				4	Ankur Bhattacharjee	S	1		
				5	Ankur Bhattacharjee	F	1		
				6	S Gurunarayanan	Th	9		
				7	Ponnalagu R N	F	1		
				8	Amit Kumar Panda	Th	9		
				9	Saroj Mondal	Th	9		
				10	Saroj Mondal	S	1		
				11	Ramakant	Th	9		
1091	CS F222	DISCR STRUC FOR COMP SCI	3 - 3	1	RAGHUNATH REDDY M	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
		Tutorial		1	Manjanna B	W	1		

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					K Simran				
				2	Manjanna B	Th	9		
				3	Manjanna B	T	7		
				4	Raghunath Reddy M	Th	9		
1655	CS F266	STUDY PROJECT	- - 3	1	JABEZ J CHRISTOPHER				
1316	CS F301	PRINCIPLES OF PROGG LANG	2 - 2	1	R GURURAJ	T Th	4	21/10/2021 11.00 -12.30PM	18/12 FN
		Tutorial		1	R Gururaj	S	4		
					Ramisetty Kavya				
				2	Jabez J Christopher	S	4		
				3	Jabez J Christopher	T	7		
				4	Jabez J Christopher	Th	7		
				5	S Vishwanath Reddy	S	4		
1320	CS F303	COMPUTER NETWORKS	3 1 4	1	GOPAL KRISHNA KAMATH	M W F	9	23/10/2021 3.30 - 5.00PM	28/12 AN
1321	CS F314	SOFTWARE DEVELOPMENT FOR PORTABLE DEVICES	2 1 3	1	MANIK GUPTA	M W	2	23/10/2021 9.00 - 10.30AM	27/12 AN
		Practical			Manik Gupta	F	4 5		
2437	CS F315	INFORMATION AND COMMUNICATION TECH. AND DEV.	3 - 3	1	DIPANJAN CHAKRABORTY	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
2439	CS F317	REINFORCEMENT LEARNING	3 - 3	1	PARESH SAXENA	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
					Nida Fatima				
2266	CS F320	FOUNDATIONS OF DATA SCIENCE	3 - 3	1	NL BHANUMURTHY	T Th S	1	21/10/2021 1.30 - 3.00PM	17/12 FN
					Priyanka Rushikesh Chaudh				
1317	CS F342	COMPUTER ARCHITECTURE	3 1 4	1	SUVADIP BATABYAL	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
		Practical		1	Suvadip Batabyal	Th	8 9		
				2	Nikumani Choudhury	W	4 5		
				3	Rajib Ranjan Maiti	F	4 5		
				4	Chillara Anil Kumar	T	8 9		
				5	Chillara Anil Kumar	M	4 5		

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		Tutorial			1 Suvadip Batabyal	M	1		
					2 Nikumani Choudhury	M	1		
					3 Rajib Ranjan Maiti	M	1		
					4 Suvadip Batabyal	T	7		
					5 Anand Agrawal	M	1		
1314	CS F351	THEORY OF COMPUTATION	3 - 3	1	MRITYUNJAY SINGH	T Th S	2	20/10/2021 11.00 -12.30PM	20/12 FN
		Tutorial			1 Raghunath Reddy M	W	1		
					2 Raghunath Reddy M	F	1		
					3 S Vishwanath Reddy	W	1		
					4 Ramisetty Kavya	W	1		
					5 Ramisetty Kavya	F	1		
1318	CS F363	COMPILER CONSTRUCTION	2 1 3	1	JABEZ J CHRISTOPHER	M W	3	22/10/2021 1.30 - 3.00PM	23/12 AN
		Tutorial			Jabez J Christopher	F	3		
		Practical			Jabez J Christopher	Th	8 9		
1670	CS F366	LABORATORY PROJECT	- - 3	1	JABEZ J CHRISTOPHER				
1740	CS F367	LABORATORY PROJECT	- - 3	1	JABEZ J CHRISTOPHER				
1315	CS F372	OPERATING SYSTEMS	3 - 3	1	BARSHA MITRA	M W F	3	23/10/2021 3.30 - 5.00PM	28/12 AN
				2	Lucy Gudino	M W F	2		
		Tutorial		1	DipanJan Chakraborty	W	1		
					Mandan Naresh				
				2	Manik Gupta	F	1		
					Mandan Naresh				
				3	Paresh Saxena	W	1		
					Pattiwar Shravan Kumar				
				4	Paresh Saxena	F	1		
				5	DipanJan Chakraborty	F	1		
				6	Lucy Gudino	T	10		
					Naveen Bokka				
					P Veda Bhanu				
1689	CS F376	DESIGN PROJECT	- - 3	1	JABEZ J CHRISTOPHER				

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1756	CS F377	DESIGN PROJECT	- - 3	1	JABEZ J CHRISTOPHER				
2440	CS F425	DEEP LEARNING	3 - 3	1	NL BHANUMURTHY	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
					Chavali Lalitha				
2441	CS F426	GRAPH MINING	3 1 4	1	APURBA DAS	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
		Practical			Apurba Das	T	8 9		
2444	CS F429	NATURAL LANGUAGE PROCESSING	3 - 3	1	ARUNA MALAPATI	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
					K Simran				
1325	CS F441	SEL TOPICS FROM COMP SC	3 - 3	1	MANJANNA B	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
1714	CS F491	SPECIAL PROJECT	- - 3	1	JABEZ J CHRISTOPHER				
2450	CS G518	INTERNET OF THINGS: DESIGN AND DEVELOPMENT	3 1 4	1	RAJIB RANJAN MAITI	T Th S	3	18/10/2021 1.30 - 3.00PM	13/12 AN
		Practical			Rajib Ranjan Maiti	T	8 9		
918	CS G553	RECONFIGURABLE COMPUTING	- - 5	1	CHETAN KUMAR V	T Th S	2	19/10/2021 3.30 - 5.00PM	15/12 FN
		Practical		1	Chetan Kumar V	W F	7 8		
					Vikash Singh				
362	DE G531	PRODUCT DESIGN	3 2 5	1	NITIN RAMESH K	T Th S	4	18/10/2021 1.30 - 3.00PM	13/12 AN
		Practical			Aarjoo Jaimin	T Th	6 7		
678	DE G611	DYNAMICS & VIBRATION	3 2 5	1	G R SABAREESH	T Th S	3	22/10/2021 1.30 - 3.00PM	23/12 FN
		Practical			Hemanth Mithun Praveen	M W	8 9		
1380	ECE F211	ELECTRICAL MACHINES	3 1 4	1	STP SRINIVAS	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
				2	Alivelu Manga Parimi	M W F	8		
				3	Rabindra Mohanty	M W F	8		
		Practical		1	Rabindra Mohanty	T	2 3		
					P Shambhu Prasad				
					Sarda Sharma				
				2	Rabindra Mohanty	Th	2 3		
					P Shambhu Prasad				
					Sarda Sharma				
				3	STP Srinivas	M	3 4		

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					Nawin Ra				
					Renuka Loka				
				4	STP Srinivas	W	3 4		
					Nawin Ra				
					Santhi Durganjali Challa				
				5	Mithun Mondal	Th	7 8		
					E Prasanth Kumar				
					Manoj Samal				
				6	Mithun Mondal	F	3 4		
					E Prasanth Kumar				
					Manoj Samal				
				7	Rabindra Mohanty	S	2 3		
					Santhi Durganjali Challa				
					Shrimathi H P				
				8	Alivelu Manga Parimi	T	7 8		
					Renuka Loka				
					Shrimathi H P				
		Tutorial			1 Alivelu Manga Parimi	M	1		
					2 Alivelu Manga Parimi	T	1		
					3 Alivelu Manga Parimi	Th	1		
					4 STP Srinivas	T	1		
					5 STP Srinivas	Th	1		
					6 Sudha Radhika	T	1		
					7 Sudha Radhika	Th	1		
1381	ECE F212	ELECTROMAGNETIC THEO I	3 - 3	1	Rahul Nigam	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
				2	SARMISTHA BANIK	M W F	2		
				3	Subrahmanya Bhima Sankar	M W F	2		
				4	Subash N. Karbelkar	M W F	2		
				5	Prasant Samantray	M W F	2		

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		Tutorial			1 Rahul Nigam	S	1		
					2 Sarmistha Banik	S	1		
					3 Subrahmanya Bhima Sankar	S	1		
					4 Subash N. Karbelkar	S	1		
					5 Prasant Samantray	S	1		
1383	ECE F214	ELECTRONIC DEVICES	3 - 3	1	SAYAN KANUNGO	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
				2	BVVSN Prabhakar Rao	M W F	9		
		Tutorial		1	BVVSN Prabhakar Rao	T	1		
				2	BVVSN Prabhakar Rao	Th	1		
				3	BVVSN Prabhakar Rao	F	1		
				4	Sayan Kanungo	T	1		
				5	Sayan Kanungo	M	1		
				6	Parikshit Parshuram Sahatiy	T	1		
				7	Parikshit Parshuram Sahatiy	Th	1		
1382	ECE F215	DIGITAL DESIGN	3 1 4	1	ANKUR BHATTACHARJEE	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
					Ponnalagu R N				
				2	Amit Kumar Panda	T Th	5		
					S Gurunarayanan				
					Amit Kumar Panda	M	10		
					S Gurunarayanan				
		Practical		1	Ponnalagu R N	T	7 8		
					Aditya Tiwari				
				2	Harish Vijay Dixit	W	3 4		
					Manish Laxminarayan Bhaiy				
					Manish Rishi				
				3	Ankur Bhattacharjee	F	3 4		
					Manish Laxminarayan Bhaiy				
				4	Subhradeep Pal	T	7 8		
					Mrunali Dnyaneshwar Wagh				
				5	Subhradeep Pal	Th	7 8		

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					Mrunali Dnyaneshwar Wagh				
				6	Ankur Bhattacharjee	Th	7 8		
					Jayapiriya U S				
				7	Amit Ranjan Azad	T	2 3		
					Jayapiriya U S				
				8	Sayan Kanungo	S	2 3		
					P Joshna				
				9	Sayan Kanungo	Th	2 3		
					P Joshna				
				10	Subhradeep Pal	M	3 4		
					Aditya Tiwari				
				11	Karumbaiah Chappanda Nan	T	2 3		
					Manish Rishi				
		Tutorial		1	Ponnalagu R N	Th	9		
				2	Ponnalagu R N	S	1		
				3	Ankur Bhattacharjee	M	1		
				4	Ankur Bhattacharjee	S	1		
				5	Ankur Bhattacharjee	F	1		
				6	S Gurunarayanan	Th	9		
				7	Ponnalagu R N	F	1		
				8	Amit Kumar Panda	Th	9		
				9	Saroj Mondal	Th	9		
				10	Saroj Mondal	S	1		
				11	Ramakant	Th	9		
1701	ECE F266	STUDY PROJECT	- - 3	1	SUBHRADEEP PAL				
1389	ECE F311	COMMUNICATION SYSTEMS	3 1 4	1	BALASUBRAMANIAN M	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
				2	Gopal Krishna Kamath M	T Th S	3		
		Practical		1	Balasubramanian M	W	4 5		
					G Jayeshkumar Pintubhai				
				2	Gopal Krishna Kamath M	M	4 5		

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					G Jayeshkumar Pintubhai				
				3	Prashant Wali	T	8 9		
					T Sachin Ravikant				
				4	Runa Kumari	Th	8 9		
					Priyanka B G				
				5	Runa Kumari	F	4 5		
					Priyanka B G				
		Tutorial		1	Gopal Krishna Kamath M	M	1		
				2	Balasubramanian M	M	1		
				3	Balasubramanian M	W	1		
				4	Sandeep Kumar	M	1		
				5	Sandeep Kumar	W	1		
1388	ECE F314	EM FILEDS & MICRO ENGG	3 - 3	1	AMIT RANJAN AZAD	M W F	3	22/10/2021 1.30 - 3.00PM	23/12 AN
		Tutorial		1	Amit Ranjan Azad	M	1		
				2	Amit Ranjan Azad	W	1		
1702	ECE F366	LABORATORY PROJECT	- - 3	1	PARIKSHIT PARSHURAM S				
1705	ECE F367	LABORATORY PROJECT	- - 3	1	PARIKSHIT PARSHURAM S				
1703	ECE F376	DESIGN PROJECT	- - 3	1	KARUMBAIAH CHAPPANDA				
1706	ECE F377	DESIGN PROJECT	- - 3	1	KARUMBAIAH CHAPPANDA				
1392	ECE F434	DIGITAL SIGNAL PROCESS	3 1 4	1	S K SAHOO	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN
					Rajesh Kumar Tripathy				
		Practical		1	Rajesh Kumar Tripathy	Th	8 9		
					Adepu Vivek				
				2	Venkateswaran R	T	8 9		
					Samit Kumar Ghosh				
				3	BVVSN Prabhakar Rao	F	4 5		
				4	BVVSN Prabhakar Rao	M	4 5		
		Tutorial		1	S K Sahoo	T	7		
				2	Rajesh Kumar Tripathy	T	7		
				3	Venkateswaran R	Th	7		

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1023	ECON F211	PRINCIPLES OF ECONOMICS	3 - 3	1	MINI THOMAS	T Th S	4	21/10/2021 9.00 -10.30AM	18/12 AN
					Ummuhabeeba Chaliyan				
				2	Bheemeshwar Reddy A	T Th S	4		
					Athary Janiso				
				3	Archana Srivastava	T Th S	4		
				4	Sudatta Banerjee	T Th S	4		
				5	Rishi Kumar	M W F	8		
		Tutorial		1	Mini Thomas	W	1		
					Ummuhabeeba Chaliyan				
				2	Bheemeshwar Reddy A	W	1		
					Athary Janiso				
				3	Archana Srivastava	W	1		
				4	Sudatta Banerjee	W	1		
				5	Rishi Kumar	W	1		
1120	ECON F212	FUNDA OF FIN AND ACCOUNT	3 - 3	1	NIRANJAN SWAIN	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
					Aaishwarya Narayanan				
1121	ECON F213	MATHEMATIC & STAT METHOD	3 - 3	1	DUSHYANT KUMAR	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
					Prakash Kumar Shukla				
		Tutorial		1	Dushyant Kumar	T	1		
				2	Prakash Kumar Shukla	Th	1		
1145	ECON F214	ECONOMIC ENV OF BUSINESS	3 - 3	1	BHEEMESHWAR REDDY A	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Tutorial		1	Bheemeshwar Reddy A	S	1		
				2	Bincy George	S	1		
1442	ECON F241	ECONOMETRIC METHODS	3 - 3	1	RISHI KUMAR	T Th S	1	21/10/2021 1.30 - 3.00PM	17/12 FN
1656	ECON F266	STUDY PROJECT	- - 3	1	MINI THOMAS				
1446	ECON F311	INTERNATIONAL ECONOMICS	3 - 3	1	ARCHANA SRIVASTAVA	M W F	5	19/10/2021 9.00 - 10.30AM	14/12 FN
		Tutorial		1	Archana Srivastava	T	9		
				2	Keerti Mallela	T	9		

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1447	ECON F312	MONEY BANKING & FIN MARKETS	3	-	3	1	SUNNY KUMAR SINGH	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
		Tutorial				1	Sunny Kumar Singh	M	7		
						2	Salva.K	M	7		
1448	ECON F313	ISSUES IN ECONOMIC DEV	3	-	3	1	DURGESH C PATHAK	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN
		Tutorial				1	Durgesh C Pathak	W	7		
						2	Deepika Santhanakrishnan	W	7		
1923	ECON F315	FINANCIAL MANAGEMENT	3	-	3	1	NIVEDITA SINHA	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
							Tanaji Pavani Prabha				
2184	ECON F345	BEHAVIORAL ECONOMICS	3	-	3	1	DUSHYANT KUMAR	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
1565	ECON F354	DERIVATIVES & RISK MGMT	3	-	3	1	T NAGARAJU	T Th	6	19/10/2021 3.30 - 5.00PM	15/12 FN
							T Nagaraju	Th	10		
						2	Shreya Biswas	T Th	6		
							Shreya Biswas	Th	10		
1547	ECON F355	BUSS ANAL & VALUATION	3	-	3	1	NIRANJAN SWAIN	M W F	10	20/10/2021 3.30 - 5.00PM	17/12 AN
							Shreya Lahiri				
1684	ECON F366	LABORATORY PROJECT	-	-	3	1	MINI THOMAS				
1741	ECON F367	LABORATORY PROJECT	-	-	3	1	MINI THOMAS				
1690	ECON F376	DESIGN PROJECT	-	-	3	1	MINI THOMAS				
1757	ECON F377	DESIGN PROJECT	-	-	3	1	MINI THOMAS				
1550	ECON F411	PROJECT APPRAISAL	3	-	3	1	SUNNY KUMAR SINGH	T Th S	1	21/10/2021 1.30 - 3.00PM	17/12 FN
1566	ECON F412	SECUR ANAL & PORTFOL MGT	3	-	3	1	SHREYA BISWAS	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
							Pratheeksha G				
1553	ECON F415	NEW VENTURE CREATION	3	-	3	1	R RAGHUNATHAN	M W	10 11		
1874	ECON F434	INTERNATIONAL BUSINESS	3	-	3	1	MINI THOMAS	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
1875	ECON F435	MARKETING RESEARCH	3	-	3	1	C H YAGANTI	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
1568	ECON F471	RESOURCES & ENVIR ECON	3	-	3	1	SUDATTA BANERJEE	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
1726	ECON F491	SPECIAL PROJECT	3	-	3	1	MINI THOMAS				
1077	EEE F211	ELECTRICAL MACHINES	3	1	4	1	STP SRINIVAS	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
						2	Alivelu Manga Parimi	M W F	8		

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				3	Rabindra Mohanty	M W F	8		
		Practical		1	Rabindra Mohanty	T	2 3		
					P Shambhu Prasad				
					Sarda Sharma				
				2	Rabindra Mohanty	Th	2 3		
					P Shambhu Prasad				
					Sarda Sharma				
				3	STP Srinivas	M	3 4		
					Nawin Ra				
					Renuka Loka				
				4	STP Srinivas	W	3 4		
					Nawin Ra				
					Santhi Durganjali Challa				
				5	Mithun Mondal	Th	7 8		
					E Prasanth Kumar				
					Manoj Samal				
				6	Mithun Mondal	F	3 4		
					E Prasanth Kumar				
					Manoj Samal				
				7	Rabindra Mohanty	S	2 3		
					Santhi Durganjali Challa				
					Shrimathi H P				
				8	Alivelu Manga Parimi	T	7 8		
					Renuka Loka				
					Shrimathi H P				
		Tutorial		1	Alivelu Manga Parimi	M	1		
				2	Alivelu Manga Parimi	T	1		
				3	Alivelu Manga Parimi	Th	1		
				4	STP Srinivas	T	1		
				5	STP Srinivas	Th	1		

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				6	Sudha Radhika	T	1		
				7	Sudha Radhika	Th	1		
1078	EEE F212	ELECTROMAGNETIC THEO I	3 - 3	1	Rahul Nigam	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
				2	SARMISTHA BANIK	M W F	2		
				3	Subrahmanya Bhima Sankar	M W F	2		
				4	Subash N. Karbelkar	M W F	2		
				5	Prasant Samantray	M W F	2		
		Tutorial		1	Rahul Nigam	S	1		
				2	Sarmistha Banik	S	1		
				3	Subrahmanya Bhima Sankar	S	1		
				4	Subash N. Karbelkar	S	1		
				5	Prasant Samantray	S	1		
1080	EEE F214	ELECTRONIC DEVICES	3 - 3	1	SAYAN KANUNGO	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
				2	BVVSN Prabhakar Rao	M W F	9		
		Tutorial		1	BVVSN Prabhakar Rao	T	1		
				2	BVVSN Prabhakar Rao	Th	1		
				3	BVVSN Prabhakar Rao	F	1		
				4	Sayan Kanungo	T	1		
				5	Sayan Kanungo	M	1		
				6	Parikshit Parshuram Sahatiy	T	1		
				7	Parikshit Parshuram Sahatiy	Th	1		
1079	EEE F215	DIGITAL DESIGN	3 1 4	1	ANKUR BHATTACHARJEE	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
					Ponnalagu R N				
				2	Amit Kumar Panda	T Th	5		
					S Gurunarayanan				
					Amit Kumar Panda	M	10		
					S Gurunarayanan				
		Practical		1	Ponnalagu R N	T	7 8		
					Aditya Tiwari				

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				2	Harish Vijay Dixit	W	3 4		
					Manish Laxminarayan Bhaiy				
					Manish Rishi				
				3	Ankur Bhattacharjee	F	3 4		
					Manish Laxminarayan Bhaiy				
				4	Subhradeep Pal	T	7 8		
					Mrunali Dnyaneshwar Wagh				
				5	Subhradeep Pal	Th	7 8		
					Mrunali Dnyaneshwar Wagh				
				6	Ankur Bhattacharjee	Th	7 8		
					Jayapiriya U S				
				7	Amit Ranjan Azad	T	2 3		
					Jayapiriya U S				
				8	Sayan Kanungo	S	2 3		
					P Joshna				
				9	Sayan Kanungo	Th	2 3		
					P Joshna				
				10	Subhradeep Pal	M	3 4		
					Aditya Tiwari				
				11	Karumbaiah Chappanda Nan	T	2 3		
					Manish Rishi				
		Tutorial		1	Ponnalagu R N	Th	9		
				2	Ponnalagu R N	S	1		
				3	Ankur Bhattacharjee	M	1		
				4	Ankur Bhattacharjee	S	1		
				5	Ankur Bhattacharjee	F	1		
				6	S Gurunarayanan	Th	9		
				7	Ponnalagu R N	F	1		
				8	Amit Kumar Panda	Th	9		
				9	Saroj Mondal	Th	9		

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					10	Saroj Mondal	S	1	
					11	Ramakant	Th	9	
1657	EEE F266	STUDY PROJECT	- - 3	1	SUBHRADEEP PAL				
1242	EEE F311	COMMUNICATION SYSTEMS	3 1 4	1	BALASUBRAMANIAN M	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
				2	Gopal Krishna Kamath M	T Th S	3		
		Practical		1	Balasubramanian M	W	4 5		
					G Jayeshkumar Pintubhai				
				2	Gopal Krishna Kamath M	M	4 5		
					G Jayeshkumar Pintubhai				
				3	Prashant Wali	T	8 9		
					T Sachin Ravikant				
				4	Runa Kumari	Th	8 9		
					Priyanka B G				
				5	Runa Kumari	F	4 5		
					Priyanka B G				
		Tutorial		1	Gopal Krishna Kamath M	M	1		
				2	Balasubramanian M	M	1		
				3	Balasubramanian M	W	1		
				4	Sandeep Kumar	M	1		
				5	Sandeep Kumar	W	1		
1243	EEE F313	ANALOG & DIGITAL VLSI DES	3 - 3	1	S K CHATTERJEE	T Th S	2	20/10/2021 11.00 -12.30PM	20/12 FN
		Tutorial		1	S K Chatterjee	F	1		
					Chowta Mallikharjunarao				
				2	S K Chatterjee	Th	7		
					Chowta Mallikharjunarao				
				3	Surya Shankar Dan	F	1		
				4	Surya Shankar Dan	Th	7		
1902	EEE F348	FPGA BASED SYSTEM DESIGN LAB	- 2 2	1	CHETAN KUMAR V	WF	4 5		
					Samala Jagadheesh				

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					Venkataraao Selamneni				
1731	EEE F366	LABORATORY PROJECT	- - 3	1	PARIKSHIT PARSHURAM S				
1742	EEE F367	LABORATORY PROJECT	- - 3	1	PARIKSHIT PARSHURAM S				
1691	EEE F376	DESIGN PROJECT	- - 3	1	KARUMBAIAH CHAPPANDA				
1758	EEE F377	DESIGN PROJECT	- - 3	1	KARUMBAIAH CHAPPANDA				
2288	EEE F411	INTERNET OF THINGS	3 1 4	1	SANDEEP KUMAR	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
					Ponnalagu R N				
		Practical		1	Sandeep Kumar	M	4 5		
					Renuka.H				
				2	Sandeep Kumar	Th	8 9		
					Renuka.H				
1260	EEE F416	DIGITAL COMMUNICATION	3 - 3	1	SUBHRADEEP PAL	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
1254	EEE F422	MODERN CONTROL SYSTEMS	3 - 3	1	PRATYUSH CHAKRABORT	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
1256	EEE F434	DIGITAL SIGNAL PROCESS	3 1 4	1	S K SAHOO	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN
					Rajesh Kumar Tripathy				
		Practical		1	Rajesh Kumar Tripathy	Th	8 9		
					Adepu Vivek				
				2	Venkateswaran R	T	8 9		
					Samit Kumar Ghosh				
				3	BVVSN Prabhakar Rao	F	4 5		
				4	BVVSN Prabhakar Rao	M	4 5		
		Tutorial		1	S K Sahoo	T	7		
				2	Rajesh Kumar Tripathy	T	7		
				3	Venkateswaran R	Th	7		
462	EEE G510	RF MICROELECTRONICS	- - 5	1	SOURAV NANDI	M W F	5	22/10/2021 1.30 - 3.00PM	23/12 FN
		Practical		1	Sourav Nandi	T	10 11		
					Battina Sindhu				
				2	Sourav Nandi	Th	8 9		
					Battina Sindhu				

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2175	EEE G547	DEVICE DRIVERS	3	2	5	1	SOUMYA J	M W F	5	22/10/2021 1.30 - 3.00PM	23/12 FN
		Practical					Soumya J	T	10 11		
							Aparna Nair M K				
							Soumya J	Th	8 9		
							Aparna Nair M K				
712	EEE G591	OPTICAL COMMUNICATION	3	2	5	1	PRASANT KUMAR P	T Th S	3	23/10/2021 9.00 - 10.30AM	27/12 AN
		Practical					Prasant Kumar P	W F	7 8		
							Chaluvadi V Naga Bhaskar				
921	EEE G626	HARDWARE SOFTWARE CO-DSN	-	-	5	1	AMIT KUMAR PANDA	M W F	2	18/10/2021 1.30 - 3.00PM	13/12 AN
		Practical					Amit Kumar Panda	M	7 8		
							Samala Jagadheesh				
2267	EEE G641	APPLIED ESTIMATION THEORY	3	2	5	1	PRASHANT WALI	M W F	4	20/10/2021 1.30 - 3.00PM	20/12 AN
		Practical					Prashant Wali	M W	10 11		
							T Sachin Ravikant				
1539	FIN F311	DERIVATIVES & RISK MGMT	3	-	3	1	T NAGARAJU	T Th	6	19/10/2021 3.30 - 5.00PM	15/12 FN
							T Nagaraju	Th	10		
						2	Shreya Biswas	T Th	6		
							Shreya Biswas	Th	10		
1545	FIN F313	SECUR ANAL & PORTFOL MGT	3	-	3	1	SHREYA BISWAS	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
							Pratheeeksha G				
1542	FIN F315	FINANCIAL MANAGEMENT	3	-	3	1	NIVEDITA SINHA	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
							Tanaji Pavani Prabha				
1942	FIN F414	FINANCIAL RISK ANALYTICS AND MANAGEMENT	3	-	3	1	T NAGARAJU	S	7 8 9	22/10/2021 1.30 - 3.00PM	23/12 FN
1131	GS F212	ENVIRON DEV & CLIMATE	3	-	3	1	LAVANYA SURESH	M W F	1	23/10/2021 1.30 - 3.00PM	28/12 FN
1133	GS F221	BUSINESS COMMUNICATION	3	-	3	1	ARUNA LOLLA	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
1135	GS F223	INTRO TO MASS COMM	3	-	3	1	SPANDAN BHATTACHARYA	M W F	7	21/10/2021 3.30 - 5.00PM	21/12 FN

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1159	GS F242	CULTURAL STUDIES	3 - 3	1	ANHITI PATNAIK	T Th S	1	21/10/2021 1.30 - 3.00PM	17/12 FN
1165	GS F245	EFFECTIVE PUBLIC SPEAK	2 1 3	1	SANTOSH MAHAPATRA	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
1137	GS F322	CRITI ANAL OF LIT & CINE	3 - 3	1	MG PRASUNA	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
1603	HSS F222	LINGUISTICS	3 - 3	1	PRANESH BHARGAVA	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
2319	HSS F244	CRIME AND NEW MEDIA	3 - 3	1	ANHITI PATNAIK	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
2321	HSS F246	PHILOSOPHY OF NAGARJUNA	3 - 3	1	JAYESH A K	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
2426	HSS F248	INTRODUCTION TO DISABILITY STUDIES	3 - 3	1	SHILPAA ANAND	M W F	1	23/10/2021 1.30 - 3.00PM	28/12 FN
1776	HSS F266	STUDY PROJECT	3 - 3	1	PRANESH BHARGAVA				
1647	HSS F318	INTRO TO ANTHROPOLOGY	3 - 3	1	SUCHISMITA SATPATHY	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
1609	HSS F328	HUMAN RESOURCES DEV	3 - 3	1	SWATI ALOK	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
					Navya Kumar				
1598	HSS F331	SANKARA'S THOUGHTS	3 - 3	1	MAYA VINAY	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
1601	HSS F332	CINEMATIC ART	- - 3	1	SPANDAN BHATTACHARYA	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
1599	HSS F334	SRIMAD BHAGAVAD GITA	3 - 3	1	ARUNA LOLLA	T Th S	4	18/10/2021 3.30 - 5.00PM	13/12 FN
1604	HSS F335	LITERARY CRITICISM	3 - 3	1	SHILPAA ANAND	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
1623	HSS F343	PROFESSIONAL ETHICS	3 - 3	1	JAYESH A K	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
1626	HSS F346	INTERNATIONAL RELATIONS	3 - 3	1	SUCHISMITA SATPATHY	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
2269	HSS F362	LOCAL GOVERNANCE AND PARTICIPATION	3 - 3	1	LAVANYA SURESH	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
2270	HSS F363	DISASTER AND DEVELOPMENT	3 - 3	1	BISWANATH DASH	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
1096	INSTR F211	ELECTRICAL MACHINES	3 1 4	1	STP SRINIVAS	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
				2	Alivelu Manga Parimi	M W F	8		
				3	Rabindra Mohanty	M W F	8		
		Practical		1	Rabindra Mohanty	T	2 3		
					P Shambhu Prasad				
					Sarda Sharma				
				2	Rabindra Mohanty	Th	2 3		
					P Shambhu Prasad				

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					Sarda Sharma				
				3	STP Srinivas	M	3 4		
					Nawin Ra				
					Renuka Loka				
				4	STP Srinivas	W	3 4		
					Nawin Ra				
					Santhi Durganjali Challa				
				5	Mithun Mondal	Th	7 8		
					E Prasanth Kumar				
					Manoj Samal				
				6	Mithun Mondal	F	3 4		
					E Prasanth Kumar				
					Manoj Samal				
				7	Rabindra Mohanty	S	2 3		
					Santhi Durganjali Challa				
					Shrimathi H P				
				8	Alivelu Manga Parimi	T	7 8		
					Renuka Loka				
					Shrimathi H P				
		Tutorial		1	Alivelu Manga Parimi	M	1		
				2	Alivelu Manga Parimi	T	1		
				3	Alivelu Manga Parimi	Th	1		
				4	STP Srinivas	T	1		
				5	STP Srinivas	Th	1		
				6	Sudha Radhika	T	1		
				7	Sudha Radhika	Th	1		
1097	INSTR F212	ELECTROMAGNETIC THEORY I	3 - 3	1	Rahul Nigam	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
				2	SARMISTHA BANIK	M W F	2		
				3	Subrahmanya Bhima Sankar	M W F	2		

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					4 Subash N. Karbelkar	M W F	2		
					5 Prasant Samantray	M W F	2		
		Tutorial		1	Rahul Nigam	S	1		
				2	Sarmistha Banik	S	1		
				3	Subrahmanyam Bhima Sankar	S	1		
				4	Subash N. Karbelkar	S	1		
				5	Prasant Samantray	S	1		
1099	INSTR F214	ELECTRONIC DEVICES	3 - 3	1	SAYAN KANUNGO	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
				2	BVVSN Prabhakar Rao	M W F	9		
		Tutorial		1	BVVSN Prabhakar Rao	T	1		
				2	BVVSN Prabhakar Rao	Th	1		
				3	BVVSN Prabhakar Rao	F	1		
				4	Sayan Kanungo	T	1		
				5	Sayan Kanungo	M	1		
				6	Parikshit Parshuram Sahatiy	T	1		
				7	Parikshit Parshuram Sahatiy	Th	1		
1098	INSTR F215	DIGITAL DESIGN	3 1 4	1	ANKUR BHATTACHARJEE	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
					Ponnalagu R N				
				2	Amit Kumar Panda	T Th	5		
					S Gurunarayanan				
					Amit Kumar Panda	M	10		
					S Gurunarayanan				
		Practical		1	Ponnalagu R N	T	7 8		
					Aditya Tiwari				
				2	Harish Vijay Dixit	W	3 4		
					Manish Laxminarayan Bhaiy				
					Manish Rishi				
				3	Ankur Bhattacharjee	F	3 4		
					Manish Laxminarayan Bhaiy				
				4	Subhradeep Pal	T	7 8		

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					Mrunali Dnyaneshwar Wagh				
				5	Subhradeep Pal	Th	7 8		
					Mrunali Dnyaneshwar Wagh				
				6	Ankur Bhattacharjee	Th	7 8		
					Jayapiriya U S				
				7	Amit Ranjan Azad	T	2 3		
					Jayapiriya U S				
				8	Sayan Kanungo	S	2 3		
					P Joshna				
				9	Sayan Kanungo	Th	2 3		
					P Joshna				
				10	Subhradeep Pal	M	3 4		
					Aditya Tiwari				
				11	Karumbaiah Chappanda Nan	T	2 3		
					Manish Rishi				
	Tutorial			1	Ponnalagu R N	Th	9		
				2	Ponnalagu R N	S	1		
				3	Ankur Bhattacharjee	M	1		
				4	Ankur Bhattacharjee	S	1		
				5	Ankur Bhattacharjee	F	1		
				6	S Gurunarayanan	Th	9		
				7	Ponnalagu R N	F	1		
				8	Amit Kumar Panda	Th	9		
				9	Saroj Mondal	Th	9		
				10	Saroj Mondal	S	1		
				11	Ramakant	Th	9		
1660	INSTR F266	STUDY PROJECT	- -	3	1	SUBHRADEEP PAL			
1345	INSTR F311	ELECTRO INST & INST TECH	3 1	4	1	KARUMBAIAH CHAPPANDA	M W F	3 22/10/2021 1.30 - 3.00PM	23/12 AN
		Practical			1	Karumbaiah Chappanda Nan	T	8 9	
						Pn Sidhartha			

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				2	Karumbaiah Chappanda Nan	Th	8 9		
					Pn Sidhartha				
		Tutorial		1	Karumbaiah Chappanda Nan	M	1		
				2	Sanket Goel	W	1		
1346	INSTR F312	TRANSD & MEASUREMENT TEC	3 - 3	1	SUDHA RADHIKA	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
		Tutorial		1	Sudha Radhika	M	1		
				2	Sudha Radhika	W	1		
1347	INSTR F313	ANALOG & DIGITAL VLSI DES	3 - 3	1	S K CHATTERJEE	T Th S	2	20/10/2021 11.00 -12.30PM	20/12 FN
		Tutorial		1	S K Chatterjee	F	1		
					Chowta Mallikharjunarao				
				2	S K Chatterjee	Th	7		
					Chowta Mallikharjunarao				
				3	Surya Shankar Dan	F	1		
				4	Surya Shankar Dan	Th	7		
1734	INSTR F366	LABORATORY PROJECT	- - 3	1	PARIKSHIT PARSHURAM S				
1745	INSTR F367	LABORATORY PROJECT	- - 3	1	PARIKSHIT PARSHURAM S				
1694	INSTR F376	DESIGN PROJECT	- - 3	1	KARUMBAIAH CHAPPANDA				
1761	INSTR F377	DESIGN PROJECT	- - 3	1	KARUMBAIAH CHAPPANDA				
1022	MATH F211	MATHEMATICS III	3 - 3	1	B Mishra	M W F	5	19/10/2021 11.00 - 12.30PM	14/12 AN
					Anil Nemili				
				2	PTV Praveen Kumar	M W F	7		
					Santanu Koley				
				3	PK Sahoo	M W F	5		
					Deepika				
				4	TSL Radhika	M W F	7		
					G Murali Mohan Reddy				
				5	Manish Kumar	M W F	5		
					Nirman Ganguly				
				6	JAGAN MOHAN J	M W F	5		

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					Sabyasachi Dey				
				7	Kishore Kumar	M W F	7		
					K Bhargav Kumar				
		Tutorial		1	T Ranjan Panigrahi	T	9		
				2	Lakhan Valmik Jaybhaye	T	9		
				3	Tapaswini Patro	T	9		
				4	Zinnat Hassan	T	9		
				5	Laxmipriya Pati	T	9		
				6	Kadam Siddheshwar Atmara	T	9		
				7	Roja Solanki	T	9		
				8	Shivangi Joshi	T	9		
				9	Lohakare Santosh Vijay	T	9		
				10	Anshid Aboobacker	T	9		
				11	Purohit Nisarg Bharatbhai	T	9		
				12	Shaik Azharuddin	T	9		
				13	Suman Prabha Yadav	T	9		
				14	Nitin Kumar Sharma	T	9		
				15	Ashwini S	T	9		
				16	Priyanka Vishwakarma	T	9		
1122	MATH F212	OPTIMIZATION	3 - 3	1	DK Satpathi	M W F	2	16/10/2021 1.30 - 3.00PM	23/12 AN
					Sumit Kumar V				
				2	PTV PRAVEEN KUMAR	M W F	3		
					K Venkata Ratnam				
		Tutorial		1	DK Satpathi	T	7		
				2	K Venkata Ratnam	T	7		
				3	PTV Praveen Kumar	T	7		
				4	Sumit Kumar V	T	7		
1123	MATH F213	DISCRETE MATHEMATICS	3 - 3	1	A MICHAEL ALPHONSE	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
				2	Sajith P	M W F	9		
		Tutorial		1	A Michael Alphonse	Th	7		

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					2	Sajith P	Th	7	
1124	MATH F214	ELEMENTARY REAL ANALYSIS	3 - 3	1	MANISH KUMAR	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
				2	Nijjwal Karak	M W F	8		
		Tutorial		1	Manish Kumar	Th	8		
				2	Nijjwal Karak	Th	8		
1125	MATH F215	ALGEBRA I	3 - 3	1	PRATYUSHA CHATTOPADH	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
				2	Nabin Kumar Meher	T Th S	5		
		Tutorial		1	Pratyusha Chattopadhyaa	T	8		
				2	Nabin Kumar Meher	T	8		
1340	MATH F231	NUMBER THEORY	3 - 3	1	DEBOPAM CHAKRABORTH	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
1662	MATH F266	STUDY PROJECT	- - 3	1	NIJJWAL KARAK				
1469	MATH F311	INTRODUCTION TO TOPOLOGY	3 - 3	1	SHARAN GOPAL	M W F	5	19/10/2021 9.00 - 10.30AM	14/12 FN
		Tutorial		1	Faiz Imam	M	7		
				2	G Vinodkumar Rajlingappa	M	7		
1470	MATH F312	ORDINARY DIFF EQUATIONS	3 - 3	1	G MURALI MOHAN REDDY	M W F	4	22/10/2021 3.30 - 5.00PM	24/12 FN
		Tutorial		1	Sanjay Mandal	W	7		
				2	N S Gopal	W	7		
1471	MATH F313	NUMERICAL ANALYSIS	3 - 3	1	KISHORE KUMAR	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN
		Tutorial		1	K Panduranga	F	7		
				2	Kshma Trivedi	F	7		
1679	MATH F366	LABORATORY PROJECT	- - 3	1	SAJITH P				
1747	MATH F367	LABORATORY PROJECT	- - 3	1	SAJITH P				
1696	MATH F376	DESIGN PROJECT	- - 3	1	NABIN KUMAR MEHER				
1763	MATH F377	DESIGN PROJECT	- - 3	1	NABIN KUMAR MEHER				
1882	MATH F420	MATHEMATICAL MODELLING	3 - 3	1	SANTANU KOLEY	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
2191	MATH F424	APPLIED STOCHASTIC PROCESS	3 1 4	1	FARIDA PARVEZ BARBHUI	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
2273	MATH F432	APPLIED STATISTICAL METHODS	3 - 3	1	SAYAN GHOSH	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN

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1330	MATH F441	DISCRETE MATHS STRUC	3	-	3	1	SABYASACHI DEY	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
1880	MATH F456	COSMOLOGY	3	-	3	1	PK SAHOO	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
1083	ME F211	MECHANICS OF SOLIDS	3	-	3	1	PAVAN KUMAR P	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
		Tutorial				1	Jagan Mohan Ponnada	T	1		
							Pavan Kumar P				
						2	Sangam Srikanth	T	1		
							Pavan Kumar P				
						3	J Murali Mohan	T	1		
							Pavan Kumar P				
						4	Kolla Lakshman Rao	T	1		
							Pavan Kumar P				
1082	ME F212	FLUID MECHANICS	3	-	3	1	PARDHA SARADHI GURUG	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
		Tutorial				1	TO BE ANNOUNCED	Th	1		
							Pardha Saradhi Gurugubelli				
						2	V Venkateswara Rao	Th	1		
							Pardha Saradhi Gurugubelli				
						3	Deepak Nabapure	Th	1		
							Jeevan Jaidi				
						4	Kalyani Panigrahi	Th	1		
							Jeevan Jaidi				
1085	ME F215	MECHANICAL ENGG LAB	-	2	2	1	SUJITH R	M W	4 5		
2394	ME F216	MATERIALS SCIENCE AND ENGINEER	2	1	3	1	SUJITH R	M W	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Practical				1	Sreejith S	T	2 3		
							Amit Kumar Gupta				
							Sujith R				
							Veeraiahgari Vamshi				
						2	Kandula Uday Kumar Reddy	Th	2 3		
							Amit Kumar Gupta				

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					Gudlavalleti Deepak Kumar				
					Sujith R				
				3	Jella Gangadhar	T	7 8		
					Amit Kumar Gupta				
					P V Sai Divya				
					Sujith R				
				4	Ankit Sharma	S	2 3		
					Amit Kumar Gupta				
					Sujith R				
					TO BE ANNOUNCED				
		Tutorial		1	Sreejith S	Th	9		
					Sujith R				
				2	Jella Gangadhar	Th	9		
					Sujith R				
				3	Kandula Uday Kumar Reddy	Th	9		
					Prabakaran Saravanan				
				4	Ankit Sharma	Th	9		
					Prabakaran Saravanan				
2396	ME F217	APPLIED THERMODYNAMICS	3 1 4	1	SATISH K DUBEY	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
		Practical		1	Sunkara Prudhvi Raj	Th	2 3		
					J Murali Mohan				
					P Ankamma Rao				
				2	B Sravya	W	3 4		
					V Venkateswara Rao				
				3	Shaik Gouse Ahammad	Th	7 8		
					Deepak Nabapure				
					M Srinivas				
				4	R Naresh	T	2 3		
					Gi Venkata Naga Trivedi				
					Kalyani Panigrahi				

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					M Srinivas				
		Tutorial		1	B Sravya	S	1		
					Satish K Dubey				
				2	R Naresh	S	1		
					Satish K Dubey				
				3	Shaik Gouse Ahammad	S	1		
					Mrinal Ketan Jagirdar				
				4	Sunkara Prudhvi Raj	S	1		
					Mrinal Ketan Jagirdar				
1663	ME F266	STUDY PROJECT	- - 3	1	MRINAL KETAN JAGIRDAR				
1267	ME F311	HEAT TRANSFER	3 1 4	1	SATISH K DUBEY	T Th S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
		Practical			J Murali Mohan	M	4 5		
		Tutorial			Satish K Dubey	M	1		
1268	ME F312	ADV MECHANICS OF SOLIDS	3 - 3	1	G R SABAREESH	M W F	3	22/10/2021 1.30 - 3.00PM	23/12 AN
		Tutorial			G R Sabareesh	M	1		
1269	ME F313	PRODUCTION TECHNIQUES II	3 1 4	1	N SURESH KUMAR REDDY	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN
		Practical			N Suresh Kumar Reddy	T	8 9		
		Tutorial			N Suresh Kumar Reddy	W	1		
2401	ME F314	DESIGN OF MACHINE ELEMENTS	3 - 3	1	SP REGALLA	M W F	3	22/10/2021 1.30 - 3.00PM	23/12 AN
		Tutorial		1	Veeraiahgari Vamshi	M	1		
					SP Regalla				
				2	Gudlavalleti Deepak Kumar	M	1		
					SP Regalla				
				3	P V Sai Divya	M	1		
					Brajesh Kumar Panigrahi				
				4	TO BE ANNOUNCED	M	1		
					Brajesh Kumar Panigrahi				
2403	ME F315	ADVANCED MANUFACTURING PROCESSES	2 1 3	1	N SURESH KUMAR REDDY	T Th	4	21/10/2021 11.00 -12.30PM	18/12 FN

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		Practical		1	Gandla Praveen Kumar	T	8 9		
					Donpaul Jose				
					N Suresh Kumar Reddy				
				2	Kolla Lakshman Rao	W	4 5		
					Amar S D				
				3	Petla Sivateja	M	4 5		
					P Sandeep				
					Ravi Shanker Vidyarthi				
				4	TO BE ANNOUNCED	Th	8 9		
					Ravi Shanker Vidyarthi				
		Tutorial		1	Gandla Praveen Kumar	W	1		
					N Suresh Kumar Reddy				
				2	Wankhede Pankaj Rambhau	W	1		
					N Suresh Kumar Reddy				
				3	Petla Sivateja	W	1		
					Ravi Shanker Vidyarthi				
				4	TO BE ANNOUNCED	W	1		
					Ravi Shanker Vidyarthi				
2404	ME F316	MANUFACTURING MANAGEMENT	2 - 2	1	AMRITHA PRIYADARSHINI	T S	3	18/10/2021 3.30 - 5.00PM	13/12 FN
		Tutorial		1	Donpaul Jose	F	1		
					Amritha Priyadarshini				
				2	TO BE ANNOUNCED	F	1		
					Amritha Priyadarshini				
				3	P Sandeep	F	1		
					Amritha Priyadarshini				
				4	TO BE ANNOUNCED	F	1		
					Amritha Priyadarshini				
2405	ME F317	ENGINES, MOTORS AND MOBILITY	2 - 2	1	N JALAIAH	T Th	2	20/10/2021 11.00 -12.30PM	20/12 FN
		Tutorial		1	Gi Venkata Naga Trivedi	Th	7		

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					N Jalaiah				
				2	K Monika	Th	7		
					N Jalaiah				
				3	Ramayee L	Th	7		
					S S Deshmukh				
				4	Sama.Sanghamitra	Th	7		
					S S Deshmukh				
1680	ME F366	LABORATORY PROJECT	- - 3	1	R PARAMESHWARAN				
1748	ME F367	LABORATORY PROJECT	- - 3	1	R PARAMESHWARAN				
1697	ME F376	DESIGN PROJECT	- - 3	1	SANTANU PRASAD DATTA				
1764	ME F377	DESIGN PROJECT	- - 3	1	SANTANU PRASAD DATTA				
2291	ME F414	FUEL CELL SCIENCE AND TECHNOLOGY	3 - 3	1	PRABAKARAN SARAVANA	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
1280	ME F418	ROCKET AND SPACECRAFT PROPULSION	3 - 3	1	SUPRADEEPAN K	T Th S	1	21/10/2021 1.30 - 3.00PM	17/12 FN
2309	ME F424	ENERGY MANAGEMENT	3 - 3	1	R PARAMESHWARAN	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
					N Jalaiah				
2310	ME F425	ADDITIVE MANUFACTURING	3 - 3	1	PAVAN KUMAR P	M W F	7	21/10/2021 3.30 - 5.00PM	21/12 FN
2311	ME F426	INDUSTRY 4.0 IN MANUFACTURING	3 - 3	1	KUNDAN KUMAR SINGH	T Th S	1	21/10/2021 1.30 - 3.00PM	17/12 FN
1282	ME F432	COMPUTER AIDED MANUFAC	3 - 3	1	KURRA SURESH	M W	7	21/10/2021 3.30 - 5.00PM	21/12 FN
		Practical			Kurra Suresh	Th	8 9		
					Wankhede Pankaj Rambhau				
1287	ME F461	REFRIGERATION & AIRCOND	3 - 3	1	SANTANU PRASAD DATTA	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
1867	ME F483	WIND ENERGY	3 - 3	1	M SRINIVAS	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
1290	ME F491	SPECIAL PROJECT	3 - 3	1	ABHISHEK SARKAR				
2060	ME G514	TURBOMACHINERY	3 2 5	1	JEEVAN JAIDI	M W F	3	20/10/2021 11.00 -12.30PM	20/12 FN
		Practical			Jeevan Jaidi	M	5 6		
					G Prashanth Kumar Reddy				
					Jeevan Jaidi	F	7 8		

**TIMETABLE & EXAMS**  
**TIMETABLE FIRST SEMESTER 2021-2022**  
**ONGOING STUDENTS (FD & HD)**

COM COD	COURSE NO.	COURSE TITLE	CREDIT L P U	S E C	INSTRUCTOR-IN-CHARGE/ Instructor	DAY S	HOURS	MID SEMESTER EXAMINATION DATE & TIME	COMPRE DATE & SESSION
					G Prashanth Kumar Reddy				
2061	ME G516	ENERGY SYSTEMS ENGINEERING	- - 5	1	S S DESHMUKH	M W F	4	23/10/2021 11.00 - 12.30PM	27/12 FN
		Practical			S S Deshmukh	M W	7 8		
					Sama.Sanghamitra				
262	ME G532	MACHINE TOOL ENGINEERING	3 2 5	1	KUNDAN KUMAR SINGH	M W F	3	23/10/2021 11.00 - 12.30PM	27/12 FN
		Practical			Gururaja S	Th S	8 9		
740	ME G641	THEORY OF ELASTICITY & PLAST	3 2 5	1	BRAJESH KUMAR PANIGR	T Th S	2	20/10/2021 3.30 - 5.00PM	17/12 FN
		Practical			Brajesh Kumar Panigrahi	W F	4 5		
					TO BE ANNOUNCED				
2063	MEL G622	INTRO TO ARTIF NEURAL NET	2 2 4	1	VENKATESWARAN R	M W	3	20/10/2021 3.30 - 5.00PM	17/12 FN
		Practical			Venkateswaran R	T Th	4 5		
					Swapna Challagundla				
2064	MEL G624	ADV VLSI ARCHITECTURES	- - 5	1	S K SAHOO	M W F	4	23/10/2021 3.30 - 5.00PM	28/12 AN
		Practical			S K Sahoo	M W	10 11		
					G Sahith				
606	MEL G626	VLSI TEST & TESTABILITY	- - 5	1	SAROJ MONDAL	T Th S	3	20/10/2021 1.30 - 3.00PM	20/12 AN
		Practical			Saroj Mondal	T Th	6 7		
					Arun Mohan B				
1664	MF F266	STUDY PROJECT	- - 3	1	MRINAL KETAN JAGIRDAR				
1402	MF F311	MECHATRONICS & AUTOMAT	2 1 3	1	ARSHAD JAVID	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
		Practical			Arshad Javed	Th	8 9		
					G Lakshmi Srinivas				
1417	MF F418	LEAN MANUFACTURING	3 - 3	1	AMIT KUMAR GUPTA	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
1418	MF F421	SUPPLY CHAIN MANAGEMENT	- - 4	1	C P KIRAN	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN

**TIMETABLE & EXAMS**  
**TIMETABLE FIRST SEMESTER 2021-2022**  
**ONGOING STUDENTS (FD & HD)**

COM COD	COURSE NO.	COURSE TITLE	CREDIT L P U			S E C	INSTRUCTOR-IN-CHARGE/ Instructor	DAY S	HOURS	MID SEMESTER EXAMINATION DATE & TIME	COMPRE DATE & SESSION
1024	MGTS F211	PRINCIPLES OF MANAGEMENT	3	-	3	1	R RAGHUNATHAN	T Th	4	21/10/2021 9.00 -10.30AM	18/12 AN
							R Raghunathan	T	10		
		Tutorial					R Raghunathan	W	1		
2464	MPBA G512	TIME SERIES ANALYSIS AND FORECASTING	3	-	3	1	RISHI KUMAR	M W F	4	23/10/2021 3.30 - 5.00PM	28/12 AN
369	MSE G511	MECHATRONICS	3	2	5	1	ARSHAD JAVED	T Th S	5	20/10/2021 9.00 - 10.30AM	16/12 FN
		Practical					Arshad Javed	Th	7 8 9 10		
							G Lakshmi Srinivas				
1931	MST F331	MATERIALS CHARACTERIZATION	3	1	4	1	KARTHIK CHETAN	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
		Practical					Karthik Chetan	T	8 9		
1086	PHA F211	PHARMACEUTICAL ANALYSIS	2	1	3	1	BALRAM GHOSH	T Th	5	20/10/2021 9.00 - 10.30AM	16/12 FN
		Practical				1	Balram Ghosh	M	7 8		
							Sri Ganga				
							Tarun				
						2	Balram Ghosh	W	7 8		
							Ch Sai Sanjay				
							Sravani Pulya				
		Tutorial					Balram Ghosh	S	5		
1088	PHA F213	MICROBIOLOGY	2	1	3	1	D SRIRAM	M W	2	23/10/2021 11.00 - 12.30PM	27/12 FN
		Practical					D Sriram	T	7 8		
							Lahane Ganesh Panditrao				
							Lavanya S				
		Tutorial					D Sriram	F	2		
1863	PHA F215	INTRODUCTION TO MOLECULAR BIO & IMMUNOLOGY	3	-	3	1	ARTI DHAR	M W	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Practical					Arti Dhar	Th	7 8		

**TIMETABLE & EXAMS**  
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**ONGOING STUDENTS (FD & HD)**

COM COD	COURSE NO.	COURSE TITLE	CREDIT L P U	S E C	INSTRUCTOR-IN-CHARGE/ Instructor	DAYS	HOURS	MID SEMESTER EXAMINATION DATE & TIME	COMPRE DATE & SESSION
					Trupti Ghatare				
		Tutorial			Arti Dhar	F	9		
1294	PHA F244	PHYSICAL PHARMACY	2 1 3	1	V V KRISHNA VENUGANTI	T Th	3	18/10/2021 3.30 - 5.00PM	13/12 FN
		Practical			V V Krishna Venuganti	W	4 5		
					B Sony Priyanka				
					Parameswar Patra				
					Shreya Shashank Chauhan				
		Tutorial			V V Krishna Venuganti	S	3		
1665	PHA F266	STUDY PROJECT	- - 3	1	ARTI DHAR				
1295	PHA F311	PHARMACOLOGY I	2 1 3	1	ONKAR KULKARNI	T Th	2	20/10/2021 11.00 -12.30PM	20/12 FN
		Practical			Onkar Kulkarni	M	4 5		
					Ashutosh Balasaheb Mahale				
					S Kavitha				
		Tutorial			Onkar Kulkarni	S	2		
1297	PHA F312	MEDICINAL CHEMISTRY I	2 1 3	1	P YOGESHWARI	M W	3	22/10/2021 1.30 - 3.00PM	23/12 AN
		Practical		1	P Yogeeshwari	T	8 9		
					Dasugari Varakala Saiprasad				
				2	P Yogeeshwari	Th	6 7		
					Kumbham Soniya				
					Routholla Ganesh				
		Tutorial			P Yogeeshwari	F	3		
1300	PHA F314	PHARMA FORMUL & BIOPHARM	2 1 3	1	NIRMAL J	T Th	4	21/10/2021 11.00 -12.30PM	18/12 FN
		Practical			Nirmal J	F	4 5		
					Manisha Malani				
					Priyadarshini Sathe				
					Raghuraman Manimaran				
					Velmurugan K				
		Tutorial			Nirmal J	S	4		
1682	PHA F366	LABORATORY PROJECT	- - 3	1	ARTI DHAR				

**TIMETABLE & EXAMS**  
**TIMETABLE FIRST SEMESTER 2021-2022**  
**ONGOING STUDENTS (FD & HD)**

COM COD	COURSE NO.	COURSE TITLE	CREDIT L P U	S E C	INSTRUCTOR-IN-CHARGE/ Instructor	DAYS	HOURS	MID SEMESTER EXAMINATION DATE & TIME	COMPRE DATE & SESSION
1750	PHA F367	LABORATORY PROJECT	- - 3	1	ARTI DHAR				
1699	PHA F376	DESIGN PROJECT	- - 3	1	ARTI DHAR				
1766	PHA F377	DESIGN PROJECT	- - 3	1	ARTI DHAR				
1305	PHA F415	PATHOPHYSIOLOGY	3 - 3	1	ONKAR KULKARNI	M W F	2	23/10/2021 9.00 - 10.30AM	27/12 AN
					Srinivas Prasad K				
1308	PHA F422	COSMETIC SCIENCE	2 1 3	1	D SRIRAM	M W	8	22/10/2021 9.00 - 10.30AM	22/12 FN
		Practical			D Sriram	Th	8 9		
					Bollareddy Srivarsha Reddy				
					K Vandana				
					Leela Sai Lokesh Janardhan				
2132	PHA G545	IPR AND PHARMACEUTICALS	3 - 3	1	P YOGEESWARI	T Th S	3	21/10/2021 3.30 - 5.00PM	21/12 FN
2293	PHA G547	QUALI-BY-DESIGN IN PHARMACEUTICAL PROD DEVEL	- - 5	1	R PUNNA RAO	M W F	4	20/10/2021 3.30 - 5.00PM	17/12 AN
		Practical			R Punna Rao	T Th	7 8		
					Mohd Shareef Khan				
510	PHA G616	PHARMA ADMIN & MANAGEMENT	3 2 5	1	AKASH C	M W F	5	19/10/2021 3.30 - 5.00PM	15/12 FN
		Practical			Akash C	M	7 8 9 10		
145	PHA G617	ADV DRUG DELIVERY SYSTEM	3 2 5	1	SWATI BISWAS	T Th S	4	18/10/2021 1.30 - 3.00PM	13/12 AN
		Practical			Swati Biswas	W F	7 8		
					Asif Mohd Itoo				
					Milan Paul				
2069	PHA G642	LABORATORY PROJECT	- 6 6	1	SWATI BISWAS				
1126	PHY F211	CLASSICAL MECHANICS	3 1 4	1	SOURI BANERJEE	M W F	8	18/10/2021 9.00 - 10.30AM	11/12 FN
		Tutorial			Souri Banerjee	F	10		
1127	PHY F212	ELECTROMAGNETIC THEO I	3 - 3	1	Rahul Nigam	M W F	2	23/10/2021 11.00 - 12.30PM	27/12 FN
				2	SARMISTHA BANIK	M W F	2		

**TIMETABLE & EXAMS**  
**TIMETABLE FIRST SEMESTER 2021-2022**  
**ONGOING STUDENTS (FD & HD)**

COM COD	COURSE NO.	COURSE TITLE	CREDIT L P U	S E C	INSTRUCTOR-IN-CHARGE/ Instructor	DAY S	HOURS	MID SEMESTER EXAMINATION DATE & TIME	COMPRE DATE & SESSION
				3	Subrahmanya Bhima Sankar	M W F	2		
				4	Subash N. Karbelkar	M W F	2		
				5	Prasant Samantray	M W F	2		
		Tutorial		1	Rahul Nigam	S	1		
				2	Sarmistha Banik	S	1		
				3	Subrahmanya Bhima Sankar	S	1		
				4	Subash N. Karbelkar	S	1		
				5	Prasant Samantray	S	1		
1128	PHY F213	OPTICS	3 - 3	1	MEENAKSHI V	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 AN
		Tutorial			Meenakshi V	Th	1		
1129	PHY F214	ELEC MAGNET & OPTICS LAB	- 2 2	1	MEENAKSHI V	T S	2 3		
					Aravinda N Raghavan				
					Hiwase Prajakta Mohanrao				
				2	Aravinda N Raghavan	M W	3 4		
					Aiswarya N M				
					Meenakshi V				
1485	PHY F244	MODERN PHYSICS LAB	- 2 2	1	KANNAN RAMASWAMY	T Th	7 8		
					Nilofar Naaz				
					VSN Murthy				
				2	Kannan Ramaswamy	M W	6 7		
					Priyanka Mitra				
					VSN Murthy				
1666	PHY F266	STUDY PROJECT	- - 3	1	RAHUL NIGAM				
1486	PHY F311	QUANTUM MECHANICS II	3 - 3	1	ASRARUL HAQUE	M W F	5	19/10/2021 9.00 - 10.30AM	14/12 FN
		Tutorial			Asrarul Haque	T	9		
1488	PHY F313	COMPUTATIONAL PHYSICS	3 - 3	1	PK THIRUVIKRAMAN	T Th S	4	21/10/2021 11.00 -12.30PM	18/12 FN
		Tutorial			PK Thiruvikraman	F	7		
2448	PHY F346	LASER SCIENCE & TECHNOLOGY	3 - 3	1	ARANYA BHUTI BHATTACH	M W F	7	21/10/2021 3.30 -5.00PM	21/12 FN
1683	PHY F366	LABORATORY PROJECT	3 - 3	1	KANNAN RAMASWAMY				

**TIMETABLE & EXAMS**  
**TIMETABLE FIRST SEMESTER 2021-2022**  
**ONGOING STUDENTS (FD & HD)**

COM COD	COURSE NO.	COURSE TITLE	CREDIT L P U			S E C	INSTRUCTOR-IN-CHARGE/ Instructor	DAYS	HOURS	MID SEMESTER EXAMINATION DATE & TIME	COMPRE DATE & SESSION
1751	PHY F367	LABORATORY PROJECT	-	-	3	1	KANNAN RAMASWAMY				
1700	PHY F376	DESIGN PROJECT	3	-	3	1	RAHUL NIGAM				
1767	PHY F377	DESIGN PROJECT	-	-	3	1	RAHUL NIGAM				
1498	PHY F415	GENERAL THEORY OF RELATIVITY AND COSMOLOGY	3	1	4	1	SUBASH N. KARBELKAR	M W F	9	22/10/2021 9.00 - 10.30AM	22/12 FN
1503	PHY F422	GROUP THEORY AND APPLICATIONS	3	-	3	1	RAHUL NIGAM	T Th S	5	19/10/2021 1.30 - 3.00PM	15/12 AN
1506	PHY F423	SPECIAL TOPICS IN STATISTICAL MECHANICS	3	1	4	1	SWASTIK BHATTACHARYA	M W F	8	18/10/2021 11.00 - 12.30PM	11/12 AN
1725	PHY F491	SPECIAL PROJECT	-	-	3	1	SOURI BANERJEE				
958	SS G515	DATA WAREHOUSING	3	2	5	1	NARASIMHA BOLLOJU	M W F	4	22/10/2021 1.30 - 3.00PM	23/12 FN
		Practical					Narasimha Bolloju	M W	8 9		

**IV.TEXT BOOKS****2****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1001	BIO F110	BIOLOGY LABORATORY	Same as Part iv: Biology Faculty MT-I Biology, Notes EDD, 2007 Lab Manual for Biology Laboratory Notes EDD, 2012
1002	BIO F111	GENERAL BIOLOGY	Eldon D. Enger, Frederick C. Ross and David B. Bailey Concepts in Biology 14th Edition (BITS Pilani Custom Edition) Tata McGraw Hill Publishing Company Limited, 2012
1112	BIO F211	BIOLOGICAL CHEMISTRY	Campbell, Marry K and Farell Biochemistry Thomson Learning, 5th Edition, Copyright 2006
1114	BIO F212	MICROBIOLOGY	(i) Tortora, Gerard J & Others Microbiology : An Introduction Pearson Edu., 11th ed., 2016  (ii) John,Saby & S.Ramachandran Laboratory Manual for Microbiology Notes EDD , 2006
1113	BIO F213	CELL BIOLOGY	Phillip Sheeter and Donald E. Bianchi Cell and Molecular Biology John Wiley and Sons (3rd Ed)
1115	BIO F214	INTEGRATED BIOLOGY	Raven P.H. and George B. Johnson Systematics and Evolutionary Biology BITS-Pilani Custom Edition 2012). New Delhi: Tata McGraw-Hill Publishing Company Ltd., 2012.
1941	BIO F216	WATER SANITATION AND SOLID WASTE MANAGEMENT	(i) Linda Strande, Mariska Ronteltap, Damir Brdjanovic Faecal Sludge Management, Systems Approach for Implementation and Operation IWA Publishing, 2014.  (ii) C. Zurbrügg (2002) Solid Waste Management in Developing Countries TO BE ANNOUNCED
2264	BIO F217	LAB FOR WATER SANITATION & SOLID WASTE MANAGEMENT	No text book required
1651	BIO F266	STUDY PROJECT	No text book required

**IV.TEXT BOOKS****3****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1427	BIO F311	RECOMBINANT DNA TECH	Christopher Howe Gene Cloning & Manipulation 2nd Edition, Cambridge University Press
1428	BIO F312	PLANT PHYSIOLOGY	Taiz,Lincoln,E. Zeiger Plant Physiology 3rd Ed., Panima Publishing Corporation, Indian Reprint, 2003
1429	BIO F313	ANIMAL PHYSIOLOGY	Sherwood, L., Klandorf, H. and Yancey, P.H Animal Physiology From Genes to Organisms, 2005, Brook/Cole Cengage Learning., Singapore
1650	BIO F366	LABORATORY PROJECT	No text book required
1736	BIO F367	LABORATORY PROJECT	No text book required
1685	BIO F376	DESIGN PROJECT	No text book required
1752	BIO F377	DESIGN PROJECT	No text book required
1434	BIO F418	GENETIC ENGINEERING TECH	Metzenberg Stan Working with DNA Taylor & Francis 2007
71	BIO G512	MOLEC MECH OF GENE EXPRE	Benjamin Lewin Genes X Pearson Education, 2011 and additional material given in the slides/ class room.
388	BIO G513	MICROBIAL FERMENT TECHNO	Stanbury, Peter F & Others E.M.T El-Mansi, C.F.A. Bryce, A.L. Demain & A.R. Allman Fermentation Microbiology and Biotechnology 3rd edition, (2012), Taylor and Francis Grp., London.
392	BIO G514	MOLECULAR IMMUNOLOGY	Abbas, Lichtman, Pober Cellular and Molecular Immunology 7th Ed., Harcourt Brace & Company Asia, Saunders
2008	BIO G524	ANIMAL CELL TECHNOLOGY	Freshney, R.I Culture of Animal Cells: A Manual of Basic Technique and Specialized Applications Willey-Blackwell Press (6th Ed), 2010
2007	BIO G525	ENVIR BIOTECH & WASTE MGMT	Alan Scragg Environmental Biotechnology Oxford University Press, 2009 reprint.
192	BIO G526	CANCER BIOLOGY	No text book required

**IV.TEXT BOOKS****4****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
2017	BIO G651	PROTEIN & ENZYME BIOENGG	G. Tripathi Enzyme Technology Second Edition, 2009, ADB Publishers
1368	BIOT F345	PROTEOMICS	No text book required
549	BITS C790T	INDEPENDENT STUDY	No text book required
596	BITS C791T	TEACHING PRACTICE I	No text book required
520	BITS C797T	PHD SEMINAR	No text book required
553	BITS C799T	PHD THESIS	No text book required
2128	BITS E593	READING COURSE I	No text book required
2490	BITS E594	READING COURSE II	No text book required
2101	BITS E661	RESEARCH METHODOLOGY I	No text book required
857	BITS E793T	PRACTICE LECT SERIES I	No text book required
1003	BITS F110	ENGINEERING GRAPHICS	Kulkarni D M and Others Engineering Graphics with AutoCAD PHI,2009
1004	BITS F111	THERMODYNAMICS	(i) Claus Borgnakke,&Richard E. Sonntag Fundamentals of Thermodynamics John Wiley& Sons, 2009, 7thEdition  (ii) Van Wylen& others Thermodynamics Tables, Figures and Charts Notes-EDD, 2007
1005	BITS F112	TECHNICAL REPORT WRITING	Hewings, M. and Thaine C Cambridge Academic English (Advanced) Student's Book First South Asian Edition, Cambridge University Press
1858	BITS F113	GENERAL MATHEMATICS I	(i) NCERT MATHEMATICS Text Book for Class XI National Council of Educational Research and Training  (ii) NCERT MATHEMATICS Text Book for Class XII (Part I & II) National Council of Educational Research and Training
1892	BITS F214	SCIENCE TECH & MODERNITY	McClellan III, J.E. and Dorn, H Science and Technology in World History, Second Edition, Maryland: John Hopkin University Press 2006

**IV.TEXT BOOKS****5****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1861	BITS F218	GENERAL MATHEMATICS III	(i) E. Kreyszig Advanced Engineering Mathematics, 8th Edition, Wiley, 2010  (ii) HA Taha, Operation Research: An Introduction, Pearson Education, 9/E, 2011.
1632	BITS F225	ENVIRONMENTAL STUDIES	Bharucha, E Textbook for Environmental Studies for Undergraduate Courses Second ed. Hyderabad: Universities Press, 2013
1334	BITS F312	NEURAL NETWORKS AND FUZZY LOGIC	(i) Simon Haykin Neural Networks – A Comprehensive Foundation Pearson Education, 1999  (ii) H. J. Zimmermann Fuzzy Set Theory and its Applications 3rd Edition, Kluwer Academic, 1996
1237	BITS F313	MULTICRITERION DEC MAKING IN EN & MGMT	K.Srinivasa Raju, D.Nagesh Kumar Multicriterion Analysis in Engineering and Management PHI Learning Private Limited, New Delhi, 2014
2277	BITS F314	GAME THEORY AND ITS APPLICATION	(i) Osborne, M.J. An Introduction to Game Theory Oxford University Press, India 2004  (ii) Gibbons, R Game Theory for Applied Economists Princeton 1992
1511	BITS F316	NONLINEAR DYNA & CHAOS	Steven Strogatz Nonlinear Dynamics And Chaos: With Applications To Physics, Biology, Chemistry, And Engineering Westview Press
2336	BITS F327	ARTIFICIAL INTELLIGENCE FOR ROBOTICS	Russell, Stuart J., and Peter Norvig. Artificial intelligence: a modern approach. Malaysia Pearson Education Limited, 2016.
1337	BITS F386	QUANTUM INFO & COMPUTING	Michael A. Nielsen, Isaac L. Chuang Quantum Computation and Quantum Information CUP 2002 (Special Indian Edition: Foundation Books, Delhi)
1592	BITS F412	PRACTICE SCHOOL II	No text book required

**IV.TEXT BOOKS****6****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1615	BITS F413	PRACTICE SCHOOL II	No text book required
1248	BITS F415	INTRODUCTION TO MEMS	Tai-Ran Hsu MEMS and Micro systems Design and Manufacture Tata McGraw Hill, 2002
1808	BITS F416	INTRO TO NANO SCIENCE	(i) G L Hornyak, J. Dutta, H. F. Tibbals and A. K. Rao Introduction to Nanoscience CRC press 2008  (ii) G L Hornyak, J. J. Moore, H. F. Tibbals and J. Dutta Fundamentals of Nanotechnology CRC press 2009
1593	BITS F421T	THESIS	No text book required
1616	BITS F422T	THESIS	No text book required
1617	BITS F423T	THESIS	No text book required
1619	BITS F424T	THESIS	No text book required
1794	BITS F428	ESSENTIALS OF STRATE MGT	(i) Adrian Haberberg& Alison Rieple Strategic Management Theory & Application Oxford  (ii) Charles W L Hill / Gareth R Jones Strategic Management – An Integrated Approach
1806	BITS F431	FLEXIBLE MANUFACTURING SYSTEM	Shivanand et al. Flexible Manufacturing System New Age International
2001	BITS F437	TECHNICAL COMMUNICATION	Edward De Chazal and Julie Moore.; Oxford EAP: Advanced/C1: Student's Book Oxford University Press.
2434	BITS F452	BLOCKCHAIN TECHNOLOGY	Imran Bashir Mastering Blockchain: Distributed ledger technology, decentralization, and smart contracts explained 2nd Edition, Packt Publishing, 2018.
2436	BITS F454	BIO INSPIRED INTEL ALGORITHMS AI APPLICATIONS	(i) James F. Kennedy, Russell C. Eberhart, and Yuhui Shi Swarm Intelligence Morgan Kaufmann, 2001. ISBN: 9781558605954

**IV.TEXT BOOKS****7****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
		BIO INSPIRED INTEL ALGORITHMS AI APPLICATIONS	(ii) Hassanien, Aboul Ella, and Eid Emara. Swarm intelligence: principles, advances, and applications. CRC Press, 2018. ISBN: 9781498741071
1379	BITS F467	BIOETHICS AND BIOSAFETY	(i) M.Sathish. Bioethics and Biosafety TBA
			(ii) V. Sreekrishna Bioethics and Biosafety in Biotechnology new age international publishers, New Delhi
547	BITS G513	STUDY IN ADVANCED TOPICS	No text book required
754	BITS G529	RESEARCH PROJECT I	No text book required
755	BITS G539	RESEARCH PROJECT II	No text book required
2003	BITS G540	RESEARCH PRACTICE	No text book required
9	BITS G553	REAL TIME SYSTEMS	Jane Liu W. S Real Time Systems Pearson Education, India 2003
757	BITS G649	READING COURSE	No text book required
1073	CE F211	MECHANICS OF SOLIDS	(i) R.C. Hibbeler Mechanics of Materials 10th Edition, 2014, Pearson Education Inc.
			(ii) Hibbler, R. C. Structural Analysis 9th Edition, 2017 Pearson Education.
1075	CE F213	SURVEYING	Duggal S.K. Surveying Tata McGrawhill, New Delhi, Vol. I and II, 5th Edition, 2019
2279	CE F230	CIVIL ENGINEERING MATERIALS	(i) Ghambir Concrete Technology Tata McGraw-Hill Publishing Company Ltd, 5th edition.
			(ii) Duggal S K Building Materials New Age International Pvt. Ltd., New Delhi, 4th edition.

**IV.TEXT BOOKS****8****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
2280	CE F231	FLUID MECHANICS	Komaragiri Srinivasa Raju, Dasika Nagesh Kumar Fluid Mechanics: Problem solving using Matlab Prentice Hall of India (2020)
1652	CE F266	STUDY PROJECT	No text book required
1196	CE F312	HYDRAULIC ENGINEERING	Modi, P.N. and Seth, S.M Hydraulics and Fluid Mechanics Standard Book House, 15th ed., 2009
1197	CE F313	FOUNDATION ENGINEERING	Murthy, V. N. S. Geotechnical Engineering: Principles and Practices of Soil Mechanics and Foundation Engineering Marcel Dekker Inc., Special Indian Edition, First Indian Reprint, 2013
2281	CE F320	DESIGN OF REINFORCED CONCRETE	J. N. Bandhopadhyay Design of Concrete Structures 2008, Prentice-Hall of India, New Delhi
1215	CE F323	INTRO TO ENVIRN ENGG	Masters, G. M., & Ela, W. P Introduction to Environmental Engineering and Science Pearson New International Edition. Pearson Education Limited.(2013)
1667	CE F366	LABORATORY PROJECT	No text book required
1737	CE F367	LABORATORY PROJECT	No text book required
1686	CE F376	DESIGN PROJECT	No text book required
1753	CE F377	DESIGN PROJECT	No text book required
1214	CE F411	OPER RESEARCH FOR ENGIN	HA Taha Operations Research: An Introduction Pearson Education/PHI, 9/E, 2014.
1231	CE F417	APP OF AI IN CIVIL ENGG	S.N. Sivanandam, S.N. Deepa Principles of Soft Computing Wiley India Pvt. Ltd, 3rd Edition, New Delhi. (2007)
1227	CE F431	PRIN OF GEO INFO SYST	Kang-tsung Chang Introduction to Geographic Information Systems Tata McGraw-Hill , 9 th ed. 2020
304	CE G534	PAVEMENT MATERIAL CHARAC	Prithvi Singh Kandhal Bituminous Road Construction in India PHI, 2016

**IV.TEXT BOOKS****9****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
357	CE G538	PROJECT PLAN & MGMT	Joy,P.K Handbook of Construction Management MacMillan-I,2nd ed.,1993
931	CE G545	AIRPORT PLANNING & DES	Robert M. Horonjeff, Francis X Mckelvey, Willian J Sproule and Seth B Young Planning and Design of Airports McGraw- Hill Professional Publishing)
2025	CE G548	PAVEMENT MGMT SYSTEMS	Ralph Haas and W. Ronald Hudson Pavement Asset Management
880	CE G551	DYNAMICS OF STRUCTURES	Chopra, Anil K. Dynamics of Structures: Theory and applications to earthquake engineering" Pearson Edu., 4th ed, 2012
526	CE G552	ADV STR MECH & STABILITY	(i) Timoshenko, S.P. and J. N. Goodier Theory of Elasticity TMH, 3rd ed.,1970
			(ii) Timoshenko, S.P. and J.M. Gere Theory of Elastic Stability TMH, 2nd ed., 2010
532	CE G553	THEORY OF PLATES AND SHELLS	Timoshenko, S.P. and Kreiger, S.W. Theory of plates and shells McGraw-Hill, 2nd ed., 1989
2199	CE G562	ADVANCED CONCRETE TECHNOLOGY	(i) Mehta, P. K., and Monteiro, P. J. M Concrete: Microstructure, Properties, and Materials 4th Ed., 2014, McGraw-Hill Education, USA.
			(ii) Neville, A.M, Concrete Technology 2010, Addison Wesley Longman Limited, Harlow, UK.
2337	CE G565	TRANSPORTATION PLANNING	(i) Sarkar, P.K., Maitri, V., and Joshi, G.J. Transportation Planning, Principles, Practices and Policies PHI Pvt. Ltd., 2016
			(ii) Papacosta, C.S., and Prevedouros Transportation Engineering and Planning PHI Pvt. Ltd.,2004
2339	CE G567	HIGHWAY DESIGN	(i) AASHTO A Policy on Geometric Design of Highways and Streets AASHTO Press, Washington DC, 7th Edition, 2018

**IV.TEXT BOOKS****10****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
		HIGHWAY DESIGN	(ii) Kadiyali L R and Lal N B Principles and Practices of Highway Engineering Khanna Publishers, Delhi, 7th Edition, First Reprint, 2018
2341	CE G569	TRANSPORTATION ECONOMICS	Frankena Mark W; 1979 Urban Transportation Economics Butterworths, Canada.
2344	CE G572	TRANSPORTATION DATA ANALYTICS	(i) Washington, S., M. Karlaftis, and F. Mannering (2011) Statistical and econometric methods for transportation data analysis Second Edition, Chapman & Hall/CRC, Boca Raton, FL, ISBN:142008285X  (ii) Gujarati, D. N. and Sangeetha (2011). Basic Econometrics 6th Edition. McGraw-Hill/Irwin, ISBN: 0073375772
345	CE G612	ADVANCED STEEL STRUCTURE	(i) N Subramanian Design Of Steel Structures Oxford University Press 2008  (ii) TO BE ANNOUNCED Teaching Resource for Structural Steel Design, Volume 1, 2 & 3. Institute for Steel Development & Growth ISPAT Niketan 52/1A Ballygunge, Circullow Road, Calcutta 700019.
613	CE G614	PRESTRESS CONCRETE STRUC	Krishna Raju, N Prestressed Concrete TMH, 4th ed. , 2007
343	CE G617	ADVANCE STRUC ANALYSIS	Weaver,William & J.M.Gere Matrix Analysis of Framed Structures CBS,2nd ed.,1986
326	CE G619	FINITE ELEMENT ANALYSIS	JN Reddy, (2009) An Introduction to the Finite Element Method 3rd Edition, McGrawHill
1069	CHE F211	CHEMICAL PROCESS CALCULA	D. M. Himmelblau & J. B. Riggs Basic principles & calculations in chemical Engg PHI, 8th ed., 2012
1072	CHE F212	FLUID MECHANICS	(i) Fox, R.W. and A.T. McDonalds Intro to Fluid Mechanics (7th Ed.) John Wiley & Sons Inc., 2001. [ISBN: 9971-51-355-2]

**IV.TEXT BOOKS****11****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
		FLUID MECHANICS	(ii) McCabe, W.L., J.C. Smith and P. Harriott Unit Operations of Chem.Engg (7th Ed.), McGraw Hill Inc., 2005. [ISBN 007-124710-6]
1071	CHE F213	CHEM ENGG THERMODYNAMICS	Smith J.M. and H.C. Van Ness Intro to Chemical Engineering Thermodynamics TMH , 7th ed. , 2005
1070	CHE F214	ENGINEERING CHEMISTRY	Dr Suba Ramesh and others Engineering Chemistry Wiley India, , 2011,1st Ed.
1653	CHE F266	STUDY PROJECT	No text book required
1184	CHE F311	KINETICS & REACTOR DESIGN	(i) Fogler, H Scott Elements of Chemical Reaction Engg PHI, 4th ed, 2006
			(ii) Octave Ilvenspil Chemical Reaction Engineering 3rd Ed
1185	CHE F312	CHEMICAL ENGG LAB I	No text book required
1186	CHE F313	SEPARATION PROCESSES II	McCabe W. L., and Smith J. M., & Harriott P Unit Operations of Chemical Engineering Seventh Edition., McGraw-Hill International Edition, 2005
1187	CHE F314	PROCESS DES PRINCIPLES I	Warren D. Seider, J. D. Seader, and Daniel R. Lewin Product & Process Design Principles: Synthesis, Analysis, and Evaluation John Wiley & Sons, New York, 2nd Edition (2004)
1668	CHE F366	LABORATORY PROJECT	No text book required
1738	CHE F367	LABORATORY PROJECT	No text book required
1687	CHE F376	DESIGN PROJECT	No text book required
1754	CHE F377	DESIGN PROJECT	No text book required
1206	CHE F411	ENVIR POLLUTION CONTROL	(i) Davis, M.L. and D.A. Cornwell Introduction to Environmental Engg. TMH, 4th ed., 2010
			(ii) Rao, C S Environmental Pollution Control Engineering New Age International 2nd Ed., 2006

**IV.TEXT BOOKS****12****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1205	CHE F421	BIOCHEMICAL ENGINEERING	(i) James E. Bailey and David F. Ollis Biochemical Engineering Fundamentals 2nd Edition, Tata McGraw-Hill.  (ii) Michael L. Shuler and Fikret Kargi Bioprocess Engineering Basic Concepts 2nd Edition, Pearson Education International
2178	CHE F422	PETRO. REFI. TECH.	(i) B. K. Bhaskara Rao Modern Petroleum Refining Processes 5th Ed.  (ii) J. H. Gary, & G. E. Handwe Petroleum Refining Technology and Economics 5th Ed
2002	CHE G523	MATHEMATICAL METHODS IN CHEMICAL ENGINEERING	(i) Steven C. Chapra and Raymond P. Canale Numerical Methods for Engineers Sixth Edition, McGraw Hill Education (India) Private Limited, New Delhi  (ii) S. Pushpavanam Mathematical Methods in Chemical Engineering Prentice-Hall-India, 1998
2150	CHE G556	ELECTROCHEMICAL ENGINEERING	(i) A.J. Bard and L. R. Faulker Electrochemical methods, Fundamentals and applications John Wiley and Sons  (ii) J.O.M Bockris and A. K. N. Reddy Modern Electrochemistry Plenum Press
2152	CHE G558	CHEMICAL PROCESS OPTIMIZATION	No text book required
2032	CHE G622	ADV CHEMICAL ENGG THERMO	(i) Stanley I. Sandler Chemical, Biochemical and Engineering Thermodynamics Wiley, 2006, 4th Edition  (ii) J. M. Smith, H. C. Van Ness and M. M. Abbott Introduction to Chemical Engineering Thermodynamics MGHSE, 7th Edition
1006	CHEM F110	CHEMISTRY LABORATORY	Lab Manual for Chemistry Laboratory

**IV.TEXT BOOKS****13****FIRST SEMESTER 2021-2022**

COM COD	COURSE NO	COURSE TITLE	TEXT BOOK(S)
1007	CHEM F111	GENERAL CHEMISTRY	(i) P.W. Atkins & Julio de Paula The Elements of Physical Chemistry Fifth/Sixth/International edition (Oxford University Press, Oxford 2009/2013/2017).  (ii) Solomons T.W Graham & Fryhle Craig B Organic Chemistry Wiley, 10th ed., 2011
			(iii) J. D. Lee, Concise Inorganic Chemistry 5th Edition, Blackwell Science, Oxford, 1999
1116	CHEM F211	PHYSICAL CHEMISTRY I	Ira N. Levine Physical Chemistry Fifth Edition, Special Indian Edition (Tata McGraw-Hill, 2002).
1117	CHEM F212	ORGANIC CHEMISTRY I	Morrison, Robert T. & others Organic Chemistry Pearson Edu, 7h Ed 2011
1118	CHEM F213	PHYSICAL CHEMISTRY II	McQuarrie, Donald A Quantum Chemistry University Science Books (First Indian Edition 2003, Viva Books Private Limited)
1119	CHEM F214	INORGANIC CHEMISTRY I	Huheey, James E & Others Inorganic Chemistry Pearson Edu., 4th ed, 2006
1654	CHEM F266	STUDY PROJECT	No text book required
1559	CHEM F311	ORGANIC CHEMISTRY III	(i) Michael B. Smith & Jerry March Advanced Organic Chemistry John Wiley & Sons, 6th ed., 2012  (ii) Stuart Warren Organic Synthesis: The Disconnection Approach John Wiley & Sons, 2004
1560	CHEM F312	PHYSICAL CHEMISTRY IV	N. Levine Physical Chemistry 5th Edition, Tata McGraw-Hill, 2011
1558	CHEM F313	INSTRU METHODS OF ANAL	(i) Kemp, William Organic Spectroscopy Macmillan, 3rd ed., 1991

**IV.TEXT BOOKS****14****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
		INSTRU METHODS OF ANAL	(ii) Christian, Gary D Analytical Chemistry 6th ed., John Wiley & Sons (Asia) Pvt. Ltd. Singapore (2003)
1572	CHEM F325	POLYMER CHEMISTRY	Fried, Joel R Polymer Science and Technology 2nd Edition, Prentice-Hall of India Pvt. Ltd. New Delhi, 2005
1575	CHEM F326	SOLID STATE CHEMISTRY	Anthony R. West Solid State Chemistry and its Applications Wiley-India Edition 2007
1583	CHEM F333	CHEMISTRY OF MATERIALS	WILLIAM D.CALLISTER, JR MATERIALS SCIENCE AND ENGINEERING-AN INTRODUCTIO Seventh Edition, John Wiley (2007)
1587	CHEM F337	GREEN CHEM & CATALYSIS	Roger Arthur Sheldon, Isabel Arends, and Ulf Hanefeld Green Chemistry and Catalysis Wiley, 2007
1669	CHEM F366	LABORATORY PROJECT	No text book required
1739	CHEM F367	LABORATORY PROJECT	No text book required
1688	CHEM F376	DESIGN PROJECT	No text book required
1755	CHEM F377	DESIGN PROJECT	No text book required
1713	CHEM F491	SPECIAL PROJECT	No text book required
1008	CS F111	COMPUTER PROGRAMMING	E.Balaguruswamy Programming in ANSI C. Mc Graw Hill, 8th Edition 2019.
1094	CS F211	DATA STRUCTURES & ALGO	TH Cormen, CE Leiserson, RL Rivest, C Stein Introduction to Algorithms 3rd Ed., MIT Press, PHI, 2010
1092	CS F213	OBJECT ORIENTED PROG	Cay Horstmann Object-Oriented Design and Patterns Wiley, 2005.
1090	CS F214	LOGIC IN COMPUTER SC	Michael Huth, Mark Ryan Logic in Computer Science – Modelling and Reasoning about Systems. Cambridge University Press. 2nd Edition, 2004.

**IV.TEXT BOOKS****15****FIRST SEMESTER 2021-2022**

COM COD	COURSE NO	COURSE TITLE	TEXT BOOK(S)
1093	CS F215	DIGITAL DESIGN	M.Moris Mano and Michael D. Ciletti Digital Design Pearson, 5th Edition, 2013.
1091	CS F222	DISCR STRUC FOR COMP SCI	Kenneth H. Rosen Discrete Mathematics and its applications 8th edition, Tata McGrawHill Education Private Limited.
1655	CS F266	STUDY PROJECT	No text book required
1316	CS F301	PRINCIPLES OF PROGG LANG	Robert Sebesta Concepts of programming languages 10th Edition
1320	CS F303	COMPUTER NETWORKS	James F. Kurose and Keith W. Ross Computer Networking: A Top-Down Approach Sixth Edition, 2013, Pearson.
1321	CS F314	SOFTWARE DEVELOPMENT FOR PORTABLE DEVICES	No text book required
2437	CS F315	INFORMATION AND COMMUNICATION TECH. AND DEV.	Kentaro Toyama Public Affairs Geek Heresy. 2015
2439	CS F317	REINFORCEMENT LEARNING	Sutton, Richard S., and Andrew G. Barto Reinforcement learning: An introduction. Second Edition, MIT press, 2018
2266	CS F320	FOUNDATIONS OF DATA SCIENCE	(i) Christopher M. Bishop Pattern Recognition and Machine Learning Pearson, 1st Ed. - 2013.  (ii) Pang-Ning Tan, Michael Steinbach, Anuj Karpatne, Vipin Kumar An Introduction to Data Mining Pearson, 2nd Ed. – 2005
1317	CS F342	COMPUTER ARCHITECTURE	Patterson, D.A. & J.L. Hennessy Computer Organization and Design Elsevier, 5th ed., 2013
1314	CS F351	THEORY OF COMPUTATION	Lewis, H R & C H Papadimitriou Elements of the Theory of Computation PHI, 2nd ed., 1998

**IV.TEXT BOOKS****16****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1318	CS F363	COMPILER CONSTRUCTION	Aho, Sethi and Ullman. Compilers Principles, Techniques, and Tools Pearson Education, Low Price Edition, Second Edition
1670	CS F366	LABORATORY PROJECT	No text book required
1740	CS F367	LABORATORY PROJECT	No text book required
1315	CS F372	OPERATING SYSTEMS	Silberschatz, Galvin, and Gagne Operating System concepts 9th edition, John Wiley & Sons, 2012
1689	CS F376	DESIGN PROJECT	No text book required
1756	CS F377	DESIGN PROJECT	No text book required
2440	CS F425	DEEP LEARNING	Ian Goodfellow and Yoshua Bengio and Aaron Courville Deep Learning First Edition, The MIT Press
2441	CS F426	GRAPH MINING	Jure Leskovec, Anand Rajaraman, Jeff Ullman Mining of Massive Datasets Book 3rd edition, 2020, Cambridge University Press. [ <a href="http://www.mmds.org/">http://www.mmds.org/</a> ]
2444	CS F429	NATURAL LANGUAGE PROCESSING	Jurafsky and Martin SPEECH and LANGUAGE PROCESSING: An Introduction to Natural Language Processing, Computational Linguistics, and Speech Recognition Third Edition, McGraw Hill, 2008
1325	CS F441	SEL TOPICS FROM COMP SC	David Williamson and David Shmoys The design of Approximation Algorithms Cambridge University Press, 2011
1714	CS F491	SPECIAL PROJECT	No text book required
2450	CS G518	INTERNET OF THINGS: DESIGN AND DEVELOPMENT	(i) Arshdeep Bagha and Vijay Madisetti, Internet of Things: A Hands-on Approach Orient Blackswan Private Limited - New Delhi, 2015. ISBN 10: 8173719543.  (ii) Adrian McEwen, Hakim Kassimally Designing the Internet of Things 1st Ed., Willey, 2013, ISBN 978-1-118-43062-0.  (iii) Dominique D. Guinard and Vlad M. Trifa Using the Web to Build the IoT Manning Publications, 2016, ISBN 9781617294006.

**IV.TEXT BOOKS****17****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
2004	CS G525	ADV COMPUTER NETWORKS	Kurose James F and Keith W. Ross Computer Networking: A Top-Down Approach Featuring the Internet
2005	CS G526	ADV ALGORITHMS & COMPLEXITY	(i) Motwani, Rajiv & P. Raghavan Randomized Algorithms CUP, 1995  (ii) Papadimitrou, C.H. & Kenneth Steiglitz Combinatorial Optim.: Algo. & Complexity PHI, 1982
2108	CS G527	CLOUD COMPUTING	(i) Dinkar Sitaram and Geetha Manjunath Moving to the Cloud, Syngress Elsevier Pub, 2011  (ii) Rajkumar Buyya, James Broburg & anderzej M.G Cloud Computing – Principles and Paradigms John Wiley Pub, 2011
918	CS G553	RECONFIGURABLE COMPUTING	Wolf, Wayne FPGA Based System Design Pearson Edu, 2004
782	CS G623	ADVANCED OPERATING SYSTEMS	M. Singhal & N. Shivaratri Advanced Concepts in Operating Systems: Distributed, Database and Multiprocessor Operating Systems Tata McGraw Hill, 2001
362	DE G531	PRODUCT DESIGN	Kevin Otto and Kristin Wood Product Design: Techniques in Reverse Engineering and New Product Development 2004, Pearson Education, New Delhi
678	DE G611	DYNAMICS & VIBRATION	(i) Sharma, N N Advanced Dynamics for Engineers Application Notes-EDD  (ii) Meirovitch, Leonard Elements of Vibrations Analysis TMH , 2nd ed , 1986
625	DE G631	MATERIALS TECH AND TESTING	(i) William F. Smith, Javed Hashemi and Ravi Prakash, Materials Science and Engineering In SI Units, TMH, 4th ed., 2008

**IV.TEXT BOOKS****18****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
		MATERIALS TECH AND TESTING	(ii) George E. Dieter 'Mechanical Metallurgy McGraw Hill, SI Metric Edition
1380	ECE F211	ELECTRICAL MACHINES	(i) Nagrath, I. J., & D P Kothari Electric Machines TMH, 4th ed., 2010.
			(ii) Nagrath I.J & M.R. Poonkuzhalil Electrical Machines Laboratory Manual EDD Notes 2007
1381	ECE F212	ELECTROMAGNETIC THEO I	Griffiths, David J Intro to Electrodynamics PHI, 3rd ed. , 1999
1383	ECE F214	ELECTRONIC DEVICES	(i) Streetman B G and Sanjay Banerjee Solid State Electronic Devices PHI, 6th ed. , 2006
			(ii) D A. Neaman Semiconductor Physics and Devices 4th Ed. Tata Mc Graw Hill
1382	ECE F215	DIGITAL DESIGN	M.Moris Mano and Michael D. Ciletti Digital Design Pearson, 5th Edition, 2013.
1701	ECE F266	STUDY PROJECT	No text book required
1389	ECE F311	COMMUNICATION SYSTEMS	(i) B.P. Lathi and Zhi Ding Modern Digital and Analog Comm. Systems 3rd OR 4th Edition, Oxford University Press, 2010
			(ii) Simon Haykin & Michael Moher Communication Systems 4th OR 5th Edition, John Wiley & Sons, 2010
1388	ECE F314	EM FILEDS & MICRO ENGG	(i) David Pozar Microwave Engineering 4th edition,John Wiley & Sons, 2012
			(ii) Samuel Y. Liao Microwave Devices and Circuits 3rd ed.,PHI 2008
1702	ECE F366	LABORATORY PROJECT	No text book required

**IV.TEXT BOOKS****19****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1705	ECE F367	LABORATORY PROJECT	No text book required
1703	ECE F376	DESIGN PROJECT	No text book required
1706	ECE F377	DESIGN PROJECT	No text book required
1392	ECE F434	DIGITAL SIGNAL PROCESS	Mitra & Sanjit K Digital Signal Processing TMH, 3rd ed, 2006
1023	ECON F211	PRINCIPLES OF ECONOMICS	Karl E. Case, Ray C. Fair & Sharon M. Oster Principle of Economics Pearson Education, 12th ed, 2017
1120	ECON F212	FUNDA OF FIN AND ACCOUNT	(i) Horngren Charles T & Others Introduction to Financial Accounting Pearson Edu, 9th ed, 2008
			(ii) Bhole, L M Fin. Inst. & Markets: Str. Growth & Innov. TMH, 5th ed., 2009
			(iii) Anthony Saunders and Marcia Millon Cornet Financial Markets and Institutions 6th Edition
1121	ECON F213	MATHEMATIC & STAT METHOD	(i) Morris Degroot & Mark Schervish Probability and Statistics TMH,4th Edition, 2016
			(ii) Carl P Simon & Lawrence Blume Mathematics for economists Viva-Norton Student edition, 2017
1145	ECON F214	ECONOMIC ENV OF BUSINESS	Shayamal Roy Macroeconomic Policy Environment: An Analytical Guide for Managers Tata McGraw Hill Education Private Limited, 2nd edition.
1442	ECON F241	ECONOMETRIC METHODS	(i) Christopher Dougherty Introduction to Econometrics 5th Edition, Oxford University Press 2016
			(ii) R. Carter Hill, William E. Griffiths and Guay C. Lim (2018) Principles of Econometrics 5th Edition, Wiley
1656	ECON F266	STUDY PROJECT	No text book required

**IV.TEXT BOOKS****20****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1446	ECON F311	INTERNATIONAL ECONOMICS	Salvatore, Dominick International Economics Wiley Publishers, Latest Edition.
1447	ECON F312	MONEY BANKING & FIN MARKETS	(i) Mishkin Frederic S. The Economics of Money, Banking and Financial Markets: Business School Edition Pearson Education, Third Edition, 2015.  (ii) Mishkin Frederic S. The Economics of Money, Banking and Financial Markets: Global Edition Pearson Education, Twelfth Edition, 2019.
1448	ECON F313	ISSUES IN ECONOMIC DEV	Todaro & Smith (2017) Economic Development 12/e, Pearson Addison Wesley
1923	ECON F315	FINANCIAL MANAGEMENT	Richard A Brealey, Stewart C Myers, Franklin Allen and Pitabas Mohanty Principles of Corporate Finance Tata McGraw-Hill Publishing Company Ltd, 2012
2184	ECON F345	BEHAVIORAL ECONOMICS	Dhami, Sanjit The Foundations of Behavioural Economic Analysis: Volume I: Behavioural Economics of Risk, Uncertainty, and Ambiguity Oxford University Press, 2019.
1565	ECON F354	DERIVATIVES & RISK MGMT	John C. Hull & Basu Sankarshan Options, Futures and Other Derivatives 8th Edition, Pearson Education
1547	ECON F355	BUSS ANAL & VALUATION	(i) Palepu, Healy & Bernard Business Analysis & Valuation - Using Financial Statements Text & Cases Cengage Learning Publisher, 3rd Edition  (ii) Damodaran A Damodaran on Valuation Wiley India Pvt. Ltd, 2nd Edition
1684	ECON F366	LABORATORY PROJECT	No text book required
1741	ECON F367	LABORATORY PROJECT	No text book required
1690	ECON F376	DESIGN PROJECT	No text book required
1757	ECON F377	DESIGN PROJECT	No text book required

**IV.TEXT BOOKS****21****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1550	ECON F411	PROJECT APPRAISAL	Chandra P Projects: Planning Analysis, Selection, Implementation & Review Tata McGraw-Hill New Delhi, 2014 (Eighth Edition).
1566	ECON F412	SECUR ANAL & PORTFOL MGT	(i) Reilly, Frank K & Keith C.Brown Analysis of Investments & Management of Portfolios Cengage-L, 10th ed., 2012
			(ii) Zvi Bodie, Alex Kane, Alan Marcus, Pitabas Mohanty Investments 2010, McGraw Hill
1553	ECON F415	NEW VENTURE CREATION	Steven G. Blank The Four Steps to the Epiphany Lulu.com, second ed
1874	ECON F434	INTERNATIONAL BUSINESS	John D. Daniels & Lee H. Radebaugh International Business, Environment & Operations Pearson Education, 2018, 16th edition,
1875	ECON F435	MARKETING RESEARCH	MALHOTRA NARESH K Marketing Research: An applied orientation Pearson Education, 2013, 6th Edition.
1568	ECON F471	RESOURCES & ENVIR ECON	Charles D. Kolestad Environmental Economics First Indian Edition, 2006, OUP
1726	ECON F491	SPECIAL PROJECT	No text book required
1009	EEE F111	ELECTRICAL SCIENCES	Leonard S. Bobrow Fundamentals of Electrical Engineering Oxford University Press, Second Edition, 2005
1077	EEE F211	ELECTRICAL MACHINES	(i) Nagrath, I. J., & D P Kothari Electric Machines TMH, 4th ed., 2010.
			(ii) Nagrath I.J & M.R. Poonkuzhalil Electrical Machines Laboratory Manual EDD Notes 2007
1078	EEE F212	ELECTROMAGNETIC THEO I	Griffiths, David J Intro to Electrodynamics PHI, 3rd ed. , 1999

**IV.TEXT BOOKS****22****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1080	EEE F214	ELECTRONIC DEVICES	(i) Streetman B G and Sanjay Banerjee Solid State Electronic Devices PHI, 6th ed. , 2006
			(ii) D A. Neaman Semiconductor Physics and Devices 4th Ed, Tata Mc Graw Hill
1079	EEE F215	DIGITAL DESIGN	M.Moris Mano and Michael D. Ciletti Digital Design Pearson, 5th Edition, 2013.
1657	EEE F266	STUDY PROJECT	No text book required
1242	EEE F311	COMMUNICATION SYSTEMS	(i) B.P. Lathi and Zhi Ding Modern Digital and Analog Comm. Systems 3rd OR 4th Edition, Oxford University Press, 2010
			(ii) Simon Haykin & Michael Moher Communication Systems 4th OR 5th Edition, John Wiley & Sons, 2010
1243	EEE F313	ANALOG & DIGITAL VLSI DES	(i) Jan M. Rabaey; Anantha Chandrakasan; Borivoje Nikolic Digital Integrated Circuits - A Design Perspective Second Edition) Prentice-Hall Electronics and VLSI Series. (2003).
			(ii) Razavi, Behzad Design of Analog CMOS Integrated Circuits TMH, 2001
1902	EEE F348	FPGA BASED SYSTEM DESIGN LAB	(i) Wolf Wayne FPGA Based System Design Pearson Edu, 2004.
			(ii) Samir Palnitkar. Verilog HDL: A Guide to Digital Design and Synthesis Book
1731	EEE F366	LABORATORY PROJECT	No text book required
1742	EEE F367	LABORATORY PROJECT	No text book required
1691	EEE F376	DESIGN PROJECT	No text book required
1758	EEE F377	DESIGN PROJECT	No text book required
2288	EEE F411	INTERNET OF THINGS	R. Buyya, and A.V Dastjerdi Internet of Things: Principles and paradigms (Elsevier), 2016

**IV.TEXT BOOKS****23****FIRST SEMESTER 2021-2022**

COM COD	COURSE NO	COURSE TITLE	TEXT BOOK(S)
1260	EEE F416	DIGITAL COMMUNICATION	(i) John G. Proakis, and M. Salehi Digital Communications 5th Edition, McGraw Hill.
			(ii) Ranjan Bose Information Theory, Coding and Cryptography 3rd Edition, McGraw Hill
			(iii) B. Sklar and P. K. Ray Digital Communications: Fundamentals and Applications 2nd Edition, Pearson
1254	EEE F422	MODERN CONTROL SYSTEMS	Nagrath I. J. and M. Gopal Control Systems Engineering New Age International (P) Ltd, 5th ed, 2007
1256	EEE F434	DIGITAL SIGNAL PROCESS	Mitra & Sanjit K Digital Signal Processing TMH, 3rd ed, 2006
462	EEE G510	RF MICROELECTRONICS	Behzad Razavi RF Microelectronics second edition", Tata McGraw Hill, 2011
324	EEE G512	EMBEDDED SYSTEM DESIGN	Wolf, Wayne Comp. as Components: Prin. of Emb. Comp. Elsevier , 2nd ed, 2008
2175	EEE G547	DEVICE DRIVERS	No text book required
698	EEE G581	RF & MICROWAVE ENGG	(i) Pozar, David M Microwave Engg. WSE , 4th ed , 2012
			(ii) Balanis, Constantine A. Antenna Theory: Analysis and Design, WSE, 3 rd ed, 2005.
712	EEE G591	OPTICAL COMMUNICATION	Agrawal, G P Fiber Optic Communication Systems WSE, 3rd ed, 2002
707	EEE G612	CODING THEORY & PRACTICE	Ranjan Bose Information theory, Coding and Cryptography Tata McGraw Hill, 3rd ed, 2017

**IV.TEXT BOOKS****24****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
471	EEE G613	ADV DIGITAL SIGNAL PROC	Monson H. Hayes Statistical Digital Signal Processing and Modeling Wiley-India, 2008
921	EEE G626	HARDWARE SOFTWARE CO-DSN	(i) Gajski, Daniel D and Others Specification and Design of Embedded Systems PH-PTR, 1994
			(ii) Wolf, Wayne and J.Staunstrup Hardware/Software Co-design Princ and Practice Kluwer Academic, 1997
2267	EEE G641	APPLIED ESTIMATION THEORY	S.M.Kay . Fundamentals of statistical signal processing, volume-I: estimation Prentice-Hall
1539	FIN F311	DERIVATIVES & RISK MGMT	John C. Hull & Basu Sankarshan Options, Futures and Other Derivatives 8th Edition, Pearson Education
1545	FIN F313	SECUR ANAL & PORTFOL MGT	(i) Reilly, Frank K & Keith C.Brown Analysis of Investments & Management of Portfolios Cengage-L, 10th ed., 2012
			(ii) Zvi Bodie, Alex Kane, Alan Marcus, Pitabas Mohanty Investments 2010, McGraw Hill
1542	FIN F315	FINANCIAL MANAGEMENT	Richard A Brealey, Stewart C Myers, Franklin Allen and Pitabas Mohanty Principles of Corporate Finance Tata McGraw-Hill Publishing Company Ltd, 2012
1942	FIN F414	FINANCIAL RISK ANALYTICS AND MANAGEMENT	John C. Hull Risk Management & Financial Institutions 4th Edition, Wiley
1131	GS F212	ENVIRON DEV & CLIMATE	Rangarajan, Mahesh. 2006 Environmental Issues in India: A Reader New Delhi: Pearson Education India
1133	GS F221	BUSINESS COMMUNICATION	Raman, Meenakshi and Prakash Singh Business communication New Delhi: Oxford University Press 2006
1135	GS F223	INTRO TO MASS COMM	Stanley J.Baran Introduction to Mass Communication: Media Literacy and Culture Macmillan 5th Edition, 2017

**IV.TEXT BOOKS****25****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1159	GS F242	CULTURAL STUDIES	Easthope, Anthony, and Kate McGowan A Critical and Cultural Theory Reader 2nd Ed. Open University Press, 2004
1165	GS F245	EFFECTIVE PUBLIC SPEAK	Rice, T. A. (Editor & Reviewer, 2017) Fundamentals of Public Speaking (Version 5.2.4) College of the Canyons.
1137	GS F322	CRITICAL ANAL OF LIT & CINE	(i) Pramod K.Nayar Studying Literature: An Introduction to Fiction and Poetry Orient Blackswan,2013
			(ii) Jarek Kupsic The History of Cinema for Beginners Orient Blackswan,2010.
			(iii) Geeta. B Introduction to Film Analysis (EDD notes)
1603	HSS F222	LINGUISTICS	Yule, G. The Study of Language Cambridge: CUP, 2010 (4nd Edn.)
2319	HSS F244	CRIME AND NEW MEDIA	Rafter, Nicole, and Michelle Brown Criminology Goes to the Movies: Crime Theory and Popular Culture. New York and London New York University Press, 2011.
2321	HSS F246	PHILOSOPHY OF NAGARJUNA	Siderits, Mark, and Shoryu Katsura Nagarjuna's Middle Way: "Mulamadhyamakakarika. Boston: Wisdom
2426	HSS F248	INTRODUCTION TO DISABILITY STUDIES	Ghai, Anita Disability in South Asia: Knowledge and Experience. Sage, 2018
1776	HSS F266	STUDY PROJECT	No text book required
1647	HSS F318	INTRO TO ANTHROPOLOGY	Madan, T. N., and Mazumdar, D.N. An introduction to Social Anthropology, Mumbai Asia Publishing House(2010)
1609	HSS F328	HUMAN RESOURCES DEV	Aswathappa, K Human Resource Mgt TMH, 6th ed, 2010

**IV.TEXT BOOKS****26****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1598	HSS F331	SANKARA'S THOUGHTS	(i) Ranganathananda, Swami The Message of Vivekachudamani. Kolkata Advaita Ashrama, 2013  (ii) TO BE ANNOUNCED Internet Sources for certain literary compositions of Adi Sankara (Bhaja Govindan/ Manisha Panchakam/ Nirvana Shatkan/ Guru Paduka Stotram) TO BE ANNOUNCED
1601	HSS F332	CINEMATIC ART	Bordwell, David, and Kristin Thompson Film Art: An Introduction (Eleventh Edition) New York: McGraw-Hill, 2012
1599	HSS F334	SRIMAD BHAGAVAD GITA	Trans. S. Radhakrishnan. The Bhagavad Gita. Harper Collins Publishers, 2014. ISBN : 978-81-7223-898-8
1604	HSS F335	LITERARY CRITICISM	Barry, Peter Beginning Theory: An Introduction to Literary and Cultural Theory Manchester: Manchester University Press, 2018
1623	HSS F343	PROFESSIONAL ETHICS	Peterson, Martin, 2020 Ethics for Engineers New York: Oxford University Press.
1626	HSS F346	INTERNATIONAL RELATIONS	Jackson, Robert & Georg Sorensen (2018) An Introduction to international relation (paperback). New Delhi: Oxford University Press. 5th Edition- South Asian Edition. ISBN-10: 0198814356. ISBN-13: 978-0198814351 (TB)
2269	HSS F362	LOCAL GOVERNANCE AND PARTICIPATION	Raghunandan, T R Decentralisation and Local Governments: The Indian Experience New Delhi: Orient Blackswan Private Limited. (eds.) (2012)
2270	HSS F363	DISASTER AND DEVELOPMENT	
1096	INSTR F211	ELECTRICAL MACHINES	(i) Nagrath, I. J., & D P Kothari Electric Machines TMH, 4th ed., 2010.  (ii) Nagrath I.J & M.R. Poonkuzhalil Electrical Machines Laboratory Manual EDD Notes 2007

**IV.TEXT BOOKS****27****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1097	INSTR F212	ELECTROMAGNETIC THEORY I	Griffiths, David J Intro to Electrodynamics PHI, 3rd ed. , 1999
1099	INSTR F214	ELECTRONIC DEVICES	(i) Streetman B G and Sanjay Banerjee Solid State Electronic Devices PHI, 6th ed. , 2006
			(ii) D A. Neaman Semiconductor Physics and Devices 4th Ed, Tata Mc Graw Hill
1098	INSTR F215	DIGITAL DESIGN	M.Moris Mano and Michael D. Ciletti Digital Design Pearson, 5th Edition, 2013.
1660	INSTR F266	STUDY PROJECT	No text book required
1345	INSTR F311	ELECTRO INST & INST TECH	M.M.S.Anand Electronic Instruments & Instrumentation Technology PHI, 2005
1346	INSTR F312	TRANSD & MEASUREMENT TEC	Ghosh Arun K Introduction to Measurements and Instrumentation PHI, Fourth edition, 2012.
1347	INSTR F313	ANALOG & DIGITAL VLSI DES	(i) Jan M. Rabaey; Anantha Chandrakasan; Borivoje Nikolić Digital Integrated Circuits - A Design Perspective Second Edition) Prentice-Hall Electronics and VLSI Series. (2003).
			(ii) Razavi, Behzad Design of Analog CMOS Integrated Circuits TMH, 2001
1734	INSTR F366	LABORATORY PROJECT	No text book required
1745	INSTR F367	LABORATORY PROJECT	No text book required
1694	INSTR F376	DESIGN PROJECT	No text book required
1761	INSTR F377	DESIGN PROJECT	No text book required
1010	MATH F111	MATHEMATICS I	George B. Thomas, Maurice D. Weir and Joel Hass, Thomas Calculus Pearson, 14th Edition, 2018

**IV.TEXT BOOKS****28****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1022	MATH F211	MATHEMATICS III	Simmons, G F Diff Eq. with Appl. & Hist Notes TMH Edition 2003, Twelfth reprint 2008
1122	MATH F212	OPTIMIZATION	HA Taha Operations Research: An Introduction Pearson Education, 10/E, 2019.
1123	MATH F213	DISCRETE MATHEMATICS	Joe L. Mott, Abraham Kandel, Theodore P. Baker Discrete Mathematics for Computer Scientist & Mathematicians Pearson India, 2nd Edition 2015
1124	MATH F214	ELEMENTARY REAL ANALYSIS	Rudin W Principles of Math. Analysis MGHISE , 3rd ed. , 1976
1125	MATH F215	ALGEBRA I	Herstein, Israel N Topics in Algebra WSE , 2nd ed , 1975
1340	MATH F231	NUMBER THEORY	Thomas Koshy Elementary Number Theory with Applications Academic Press, 2007
1662	MATH F266	STUDY PROJECT	No text book required
1469	MATH F311	INTRODUCTION TO TOPOLOGY	Munkres James R. Topology PHI, 2nd ed , 2000
1470	MATH F312	ORDINARY DIFF EQUATIONS	S Ahmad & M R M Rao Theory of Ordinary Differential Equations with Applications in Biology and Engineering East West Press, 1999
1471	MATH F313	NUMERICAL ANALYSIS	Gerald,Curtis F& P.O.Wheatley Applied Numerical Analysis Pearson Edu. 7th ed.,2003
1679	MATH F366	LABORATORY PROJECT	No text book required
1747	MATH F367	LABORATORY PROJECT	No text book required
1696	MATH F376	DESIGN PROJECT	No text book required
1763	MATH F377	DESIGN PROJECT	No text book required

**IV.TEXT BOOKS****29****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1882	MATH F420	MATHEMATICAL MODELLING	(i) Edwards and Penney Elementary Differential Equations with Boundary Value Problems Pearson Edu. Inc, Sixth Edition.
			(ii) Steven M. Kay Fundamentals of Statistical Signal Processing: Estimation Theory Prentice Hall, 1993
2191	MATH F424	APPLIED STOCHASTIC PROCESS	Robert G. Gallager Stochastic Processes-Theory for Applications Cambridge University Press, First South Asia Edition 2016.
2273	MATH F432	APPLIED STATISTICAL METHODS	David R Anderson, Dennis J Sweeney, Thomas A Williams, Jeffrey D. Camm and James J. Cochran, Statistics for Business and Economics, 12 th Edition, Cengage Learning,2014
1330	MATH F441	DISCRETE MATHS STRUC	(i) V. Krishnamurthy Combinatorics, Theory and Applications East-West Press, 1985
			(ii) Lindsay Childs A Concrete Introduction to Higher Algebra-2e Springer-Verlag, 1979
1880	MATH F456	COSMOLOGY	.A. Liddle An Introduction to Modern Cosmology, Relativity and Cosmology 2rd edition,Wiley (2003)
1013	ME F112	WORKSHOP PRACTICE	(i) Parashar, B S N & R K Mittal Elements of Manufacturing Processes PHI , 2003
			(ii) Sangwan, K S & Others Workshop Practice Manual Notes-EDD, 2007
1083	ME F211	MECHANICS OF SOLIDS	Crandall S.H, and Others An Intro to the Mech of Solids(in SI units) TMH , 3rd ed. , 2012
1082	ME F212	FLUID MECHANICS	(i) Frank M White Fluid Mechanics Tata McGraw-Hill, 7th Edition, 2012.

**IV.TEXT BOOKS****30****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
		FLUID MECHANICS	(ii) Robert W. Fox and Alan T. Mc Donald Introduction to Fluid Mechanics John Wiley & Sons Private Ltd., 2013, 8th Edition.
			(iii) Yunus A Cengel and John M Cimbala Fluid Mechanics McGraw-Hill, 3rd Edition, 2015
1085	ME F215	MECHANICAL ENGG LAB	No text book required
2394	ME F216	MATERIALS SCIENCE AND ENGINEER	Callister William D & R. Balasubramaniam Materials Science and Engineering Wiley Student Edition, 7th Edition, 2007
2396	ME F217	APPLIED THERMODYNAMICS	Nag P.K. Engineering Thermodynamic TMH, 4th ed., 2008
1663	ME F266	STUDY PROJECT	No text book required
1267	ME F311	HEAT TRANSFER	(i) Holman J.P. Heat Transfer McGraw Hill, 2002,9th Edition
			(ii) Mittal RK Lab Manual EDD Notes 2007
			(iii) Srinivas, M & R.K. Mittal Transport Phenomena-II Notes-EDD, 2003
1268	ME F312	ADV MECHANICS OF SOLIDS	Boresi,Arthur P & RJ Schmidt Advanced Mechanics & Materials WSE 6th ed. 2003
1269	ME F313	PRODUCTION TECHNIQUES II	(i) B. L. Juneja, G.S.Sekhon, Nitin Seth Fundamentals of Metal Cutting and Machine Tools, New Age International, 2005, New Delhi
			(ii) Ghosh , Amitabh & A K Malik Manufacturing Scince EWP 2nd ed. 2010
2401	ME F314	DESIGN OF MACHINE ELEMENTS	Budynas R. G. and Nisbett J. K. Shigley's Mechanical Engineering Design Tata-McGraw Hill, 9th SI (Indian) Edition, New Delhi, 2011

**IV.TEXT BOOKS****31****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
2403	ME F315	ADVANCED MANUFACTURING PROCESSES	Serope Kalpakjian and Steven R. Schmid Manufacturing Engineering and Technology Pearson Education (Low Cost Indian Edition), 4/e, 2001, New Delhi
2404	ME F316	MANUFACTURING MANAGEMENT	Heizer Jay, Render Barry and Rajashekhar Operations Management Pearson, New Delhi
2405	ME F317	ENGINES, MOTORS AND MOBILITY	V. Ganeshan Internal Combustion Engines Tata McGraw-Hill, 4th Edition, 2012
1680	ME F366	LABORATORY PROJECT	No text book required
1748	ME F367	LABORATORY PROJECT	No text book required
1697	ME F376	DESIGN PROJECT	No text book required
1764	ME F377	DESIGN PROJECT	No text book required
2291	ME F414	FUEL CELL SCIENCE AND TECHNOLOGY	R. O'Hayre, S. Cha, W. Colella, F. Prinz Fuel Cell Fundamentals John Wiley & Sons, New Jersey, 3rd ed., (2016)
1280	ME F418	ROCKET AND SPACECRAFT PROPULSION	George P. Sutton, Oscar Biblarz Rocket Propulsion Elements John Wiley & Sons 2010
2309	ME F424	ENERGY MANAGEMENT	W R Murphy, G McKay Energy Management Butterworth Heinemann, 2011
2310	ME F425	ADDITIVE MANUFACTURING	Ian Gibson, David Rosen, Brent Stucker Additive Manufacturing Technologies Springer, 2015, NY
2311	ME F426	INDUSTRY 4.0 IN MANUFACTURING	(i) Zhang Y. and Tao F. Optimization of Manufacturing Systems using the Internet of Things 1st Edition, 2017, Academic Press (Elsevier), UK
			(ii) Sartal, Antonio, Diego Carou, and J. Paulo Davim Enabling technologies for the successful deployment of Industry 4.0 CRC Press, 2020.
			(iii) Gilchrist, Alasdair Industry 4.0: the industrial internet of things. Apress, 2016

**IV.TEXT BOOKS****32****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1282	ME F432	COMPUTER AIDED MANUFACT	Yoram Koren Computer Control of Manufacturing Systems McGraw Hill International edition, 1985
1284	ME F443	QUALI CONTRO ASSUR & REL	Mitra. A Fundamentals of Quality Control & Improv. Prentice Hall of India Ltd., 2nd Edition, 3rd Indian Reprint, 2004
1287	ME F461	REFRIGERATION & AIRCOND	Arora C.P. Refrigeration and Airconditioning(S I Units) TMH , 3rd ed , 2009
1867	ME F483	WIND ENERGY	Sathyajith Mathew Wind Energy - Fundamentals, Resource Analysis and Economics Springer-Verlag Berlin Heidelberg 2006
1290	ME F491	SPECIAL PROJECT	No text book required
741	ME G511	MECHANISMS & ROBOTICS	(i) Mittal, R K & I J Nagrath Robotics & Control TMH , 2003
			(ii) John Joseph Uicker, Joseph Edward Shigley, Gordon R. Pennock Theory of Machines and Mechanisms Oxford University Press, 3rd Edition, 2003
322	ME G512	FINITE ELEMENT METHOD	T. R. Chandrupatla, A. D. Belegundu, Introduction to Finite Elements in Engineering 3rd Edition, Prentice Hall of India, New Delhi
2060	ME G514	TURBOMACHINERY	B K Venkanna Fundamentals of Turbomachinery PHI Learning Pvt Ltd. 2012
2061	ME G516	ENERGY SYSTEMS ENGINEERING	Amlan Chakrabarti Energy Engineering and Management Prentice Hall India Learning Private Limited, (2011).
262	ME G532	MACHINE TOOL ENGINEERING	Mehta, N.K. Machine Tool Design & Num Control TMH, 2nd ed, 1996
2079	ME G535	ADV ENGG MATHEMATICS	Dennis G. Zill and Warren S. Wright, Jones & Bartlett Advanced Engineering Mathematics 4th Edition, 2011

**IV.TEXT BOOKS****33****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
740	ME G641	THEORY OF ELASTICITY & PLAST	(i) Timoshenko S.P. and J.N.Goodier Theory of Elasticity 3rd Edition, Mc-Graw Hill, 1982
			(ii) J. Chakrabarty Theory of Plasticity Mc-Graw Hill Book Company, Singapore, 1987
742	MEL G611	IC FABRICATION TECHNOLOGY	Plummer, James D Silicon VLSI technology: Fundamentals, Practice and Modeling. Pearson Education India, 2009
743	MEL G621	VLSI DESIGN	(i) Kamaran Eshraghian, Dauglas A, Puecknell Sholen Eshraghian Essentials of VLSI Circuits and Systems PHI.2009
			(ii) Sung-Mo Kang and Yusuf Leblebici CMOS Digital Integrated Circuit, Analysis and Design Publisher: McGraw- Hill Companies, Inc.2003
2063	MEL G622	INTRO TO ARTIF NEURAL NET	J. M. Zurada, Introduction to Artificial Neural Systems, Jaico Publishing House, Mumbai, India,
2064	MEL G624	ADV VLSI ARCHITECTURES	J.L. Hennessy & D.A. Patterson, Computer Architecture: A Quantitative Approach 6th, 2019
606	MEL G626	VLSI TEST & TESTABILITY	(i) William K. Lam Hardware Design Verification: Simulation and Formal Method-Based Approaches Prentice Hall (2008).
			(ii) Michael. L. Bushnell, and Vishwani. D. Agrawal Essentials of Electronic Testing for Digital, Memory and Mixed Signal VLSI Circuits Kluwer Academic Publishers, Third Edition, 2004.
744	MEL G631	PHYSICS AND MODELLING OF MICROELECTRONIC DEVICES	(i) Yuan Taur & Tak H. Ning, “Fundamentals of Modern VLSI Devices”, 2e Cambridge
			(ii) Yannis P. Tsividis & Colin McAndrew The MOS Transistor, 3ed, Oxford

**IV.TEXT BOOKS****34****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
		PHYSICS AND MODELLING OF MICROELECTRONIC DEVICES	(iii) Jean-Pierre Colinge & Cynthia A. Colinge Physics of Semiconductor Devices Springer
			(iv) Muller & Kamins Device Electronics for Integrated Circuits 3ed, Wiley
1664	MF F266	STUDY PROJECT	No text book required
1402	MF F311	MECHATRONICS & AUTOMAT	Bolton W Mechatronics 3rd Ed., Pearson, 2004. [1]
1681	MF F366	LABORATORY PROJECT	No text book required
1749	MF F367	LABORATORY PROJECT	No text book required
1698	MF F376	DESIGN PROJECT	No text book required
1765	MF F377	DESIGN PROJECT	No text book required
1417	MF F418	LEAN MANUFACTURING	(i) Pascal Dennis Lean Production Simplified 2nd Edition, Productivity Press, 2007
			(ii) Jeffrey K. Liker, The Toyota Way McGraw-Hill Edition, New Delhi, 2004
1418	MF F421	SUPPLY CHAIN MANAGEMENT	Sunil Chopra, Peter Meindl and D V Kalra Supply Chain Management: Strategy, Planning and Operation", Pearson Education Sixth Edition, India, 2016
1024	MGTS F211	PRINCIPLES OF MANAGEMENT	Stephen P. Robbins, Mary Coulter Management Pearson Education, 2017, 13th edition.
2464	MPBA G512	TIME SERIES ANALYSIS AND FORECASTING	No text book required
369	MSE G511	MECHATRONICS	Bolton W Mechatronics 3rd Ed., Pearson, 2004. [1]

**IV.TEXT BOOKS****35****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1931	MST F331	MATERIALS CHARACTERIZATION	(i) Mary Ann White Physical Properties of Materials CRC Press, 2nd edition, 2011  (ii) Callister William D & R. Balasubramaniam Materials Science and Engineering Wiley Student Edition, 7th Edition, 2007
1086	PHA F211	PHARMACEUTICAL ANALYSIS	Beckett, Arnold H & J.B. Stenlake Practical Pharmaceutical Chemistry.Vol.1&2 CBS, 4th ed, 1988
1088	PHA F213	MICROBIOLOGY	Tortora, Funke and Case Microbiology: An Introduction [Eighth edition] 2004, Publishers: PEARSON Benjamin Cummings
1863	PHA F215	INTRODUCTION TO MOLECULAR BIO IMMUNOLOGY	(i) G.M. Cooper and R.E. Hausman, The Cell: A Molecular approach, ASM Press, Washington, D.C.4th Edition, 2007.  (ii) Owen et al., Kuby Immunology 7th Ed. Freeman press, 2013.
1294	PHA F244	PHYSICAL PHARMACY	Sinko, Patrick J Martin's Physical Pharmacy & Pharm, Sc B.I/Lippincott, 5th ed, 2006
1665	PHA F266	STUDY PROJECT	No text book required
1295	PHA F311	PHARMACOLOGY I	Tripathi KD Essentials of Medical Pharmacology Sixth edition, Jaypee brothers, New Delhi, 2008
1297	PHA F312	MEDICINAL CHEMISTRY I	William O Foye Principles of Medicinal Chemistry sixth edition, Lea and Febiger, Phil., 2008, Or (latest)
1300	PHA F314	PHARMA FORMUL & BIOPHARM	(i) Roop K Khar, S. P. Vyas, Farhan J. Ahmad and Gaurav K. Jain. Lachman/Lieberman's The Theory and Practice of Industrial Pharmacy, Fourth Edition. (CBS Publishers, 2013)  (ii) Michael E. Aulton. Pharmaceutics: The Design and Manufacture of Medicines, Third Edition. (Churchill Livingstone [Elsevier], 2007)
1682	PHA F366	LABORATORY PROJECT	No text book required

**IV.TEXT BOOKS****36****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1750	PHA F367	LABORATORY PROJECT	No text book required
1699	PHA F376	DESIGN PROJECT	No text book required
1766	PHA F377	DESIGN PROJECT	No text book required
1305	PHA F415	PATHOPHYSIOLOGY	S.L Robbins, R.S.Cotran and Vinay Kumar The Robbins Pathologic Basis of Disease Saunders Company, Philadelphia: 6th edition 1991
1308	PHA F422	COSMETIC SCIENCE	Mithal, B.M. and Saha, R.N. Handbook of cosmetic science Vallabh Prakashan, 2000, 1sted
2382	PHA G535	BIOMATERIALS	(i) Abraham J. Domb, Neeraj Kumar and Aviva Ezra Biodegradable Polymers in Clinical Use and Clinical Development John Wiley and Sons, Inc
			(ii) Buddy D. Ratner, Allan S. Hoffman, Frederick J. Schoen, Jack E. Lemons Biomaterials Science An Introduction to Materials in Medicine 2nd Edition, Elsevier Academic Press.
2384	PHA G537	PARENTERAL PRODUCT DEVELOPMENT	(i) Niazi SK Handbook of Pharmaceutical Manufacturing Formulations – Sterile Products INforma healthcare, New York, 2nd Edn, Vol. 6, 2009.
			(ii) Akers M.J. Sterile Drug Products: Formulation, Packaging, Manufacturing and Quality CRC Press, 1st Edition, 2010.
2387	PHA G540	MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES	(i) Yuri Kazakevich and Rosario Lobutto HPLC for pharmaceutical Scientists John Wiley and Sons, Inc., N.Y., 2007.
			(ii) Robert M Silverstein, Francis X Webster Spectroscopic Identification of Organic Compounds Eighth Edition, John Wiley and Sons, Inc., N.Y., 2014.
			(iii) Robert Kelsall, Ian Hamley and Mark Geogegan Nanoscale Science and Technology John Wiley and Sons, Inc., N.Y., 2005
653	PHA G542	ADVANCE PHYSICAL PHARMA	Carstensen, J.T. Pharmaceutical Preformulation CRC Press, 1998

**IV.TEXT BOOKS****37****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
2132	PHA G545	IPR AND PHARMACEUTICALS	(i) Bouchoux, D.E. Intellectual Property: The Law of Trademarks, Copyrights, Patents and Trade Secrets, Delmar Cengage Learning New York, 4th edition, 2012
			(ii) Feroz Ali Khader The Law of Patents – with a special Focus on Pharmaceuticals in India, LexisNexis Butterworths Wadhwa Nagpur
2293	PHA G547	QUALI-BY-DESIGN IN PHARMACEUTICAL PROD DEVEL	(i) Walkiria S, Schlindwein, Mark Gibson Pharmaceutical Quality by Design: A Practical Approach Wiley-Blackwell
			(ii) Gareth A Lewis, Didier Mathieu and Roger Phan-Tan-Luu Pharmaceutical Experimental Design Marcel Dekker Inc. 1999.
747	PHA G612	PHARM KINET & CLINIC PHA	Gibaldi M & D Perrier Pharmacokinetics Marcel Dekker , 2nd ed. , 1982
510	PHA G616	PHARMA ADMIN & MANAGEMENT	(i) Raja, B. Smarta Strategic Pharmaceutical Marketing Wheeler Pub First edition 1994
			(ii) Mickey C. Smith Principles of Pharmaceutical Marketing Lea & Febiger, First edition 1968.
145	PHA G617	ADV DRUG DELIVERY SYSTEM	Tyle, P Specialized Drug Delivery Systems- Manufacturing and Production Technology Marcel Dekker, New York, 1990
2069	PHA G642	LABORATORY PROJECT	No text book required
1014	PHY F110	PHYSICS LABORATORY	Lab manual for Physics
1015	PHY F111	MECH OSCIL & WAVES	(i) Kleppner, Daniel & R.J. Kolenkow An Introduction to Mechanics TMH, 2007
			(ii) French, Anthony P Vibrations and Waves CBS,2003

**IV.TEXT BOOKS****38****FIRST SEMESTER 2021-2022**

<b>COM COD</b>	<b>COURSE NO</b>	<b>COURSE TITLE</b>	<b>TEXT BOOK(S)</b>
1859	PHY F112	GENERAL PHYSICS	Halliday, Resnick & Walker, John Wiley & Sons Fundamentals of Physics Eighth Edition
1126	PHY F211	CLASSICAL MECHANICS	Goldstein H. Classical Mechanics Pearson Edu, 3rd ed , 2002
1127	PHY F212	ELECTROMAGNETIC THEO I	Griffiths, David J Intro to Electrodynamics PHI, 3rd ed ., 1999
1128	PHY F213	OPTICS	Eugene Hecht and A. R. Ganesan, Optics 4th Edition, Pearson (2008)
1129	PHY F214	ELEC MAGNET & OPTICS LAB	No text book required
1485	PHY F244	MODERN PHYSICS LAB	No text book required
1666	PHY F266	STUDY PROJECT	No text book required
1486	PHY F311	QUANTUM MECHANICS II	R. Shankar Principles of Quantum Mechanics
1488	PHY F313	COMPUTATIONAL PHYSICS	Paul DeVries, Javier E. Hasbun First course in Computational Physics Jones and Bartlett Publishers, Indian edition, 2011
2448	PHY F346	LASER SCIENCE & TECHNOLOGY	No text book required
1683	PHY F366	LABORATORY PROJECT	No text book required
1751	PHY F367	LABORATORY PROJECT	No text book required
1700	PHY F376	DESIGN PROJECT	No text book required
1767	PHY F377	DESIGN PROJECT	No text book required
1498	PHY F415	GENERAL THEORY OF RELATIVITY AND COSMOLOGY	James B Hartle An Introduction to Einstein's general relativity South east Asian edition
1503	PHY F422	GROUP THEORY AND APPLICATIONS	(i) A W Joshi Theory for Physicists by A W Joshi (AWJ) TO BE ANNOUNCED

**IV.TEXT BOOKS****39****FIRST SEMESTER 2021-2022**

COM COD	COURSE NO	COURSE TITLE	TEXT BOOK(S)
		GROUP THEORY AND APPLICATIONS	(ii) Lie Groups Physics and Geometry by Robert Gilmore (RG) TO BE ANNOUNCED
1506	PHY F423	SPECIAL TOPICS IN STATISTICAL MECHANICS	(i) Nigel Goldenfeld Lectures on Phase Transitions and Renormalisation Group TO BE ANNOUNCED
			(ii) F. Reif Fundamentals Of Statistical And Thermal Physics TO BE ANNOUNCED
			(iii) K. Huang Statistical Mechanics TO BE ANNOUNCED
1725	PHY F491	SPECIAL PROJECT	No text book required
2297	SAN G511	SANITATION TECHNOLOGY	No text book required
2298	SAN G512	SANITATION AND PUBLIC HEALTH	No text book required
2299	SAN G513	SAN GOVERNANCE, BEHAVIOUR CHANGE & ADVOCACY	No text book required
958	SS G515	DATA WAREHOUSING	(i) Kimball, Ralph & M. Ross Data Warehouse Toolkit WSE, 2nd ed., 2002
			(ii) Ponniah, Paulraj Data Warehousing Fundamentals WSE, 2001

## **IV. SUGGESTIONS FOR CHOOSING ELECTIVES**

### **(A) For First Degree Students:**

While exercising the choice of an elective, students are advised to note the following points:

- (a) The electives can simultaneously serve varied but distinctive ambitions of a student depending upon whether he/she wants to prepare himself/herself for a multi-disciplinary professional challenge or to orient himself/herself towards higher studies, teaching and research.
- (b) Before choosing the electives, you may go through the list of Discipline, Open and Humanities electives appearing in the Bulletin at appropriate places.
- (c) Some courses of higher degree programmes are also available as electives for students of integrated first degree programmes of the respective discipline with the restriction specified below.
- (d) While choosing the electives, the student should make sure that he/she satisfies the required prerequisites as well as prior preparation conditions as given in Section VI of the Timetable. The student may consult his/her registration advisor for counseling on the choice of electives.

### **Registration of Higher Degree Courses as Elective (For Students of Integrated First Degree Programmes)**

You must have cleared or registered in the CDC of respective discipline of the higher degree course. Only one higher degree course can be taken as elective in a semester.

### **(B) For Higher Degree Students:**

Higher degree students can choose electives from the specified electives of their respective degrees. For any course outside the specified electives, approval from AGSRD shall be obtained.

## **V. LIST OF PREREQUISITES**

The prerequisites for the courses offered in this semester is uploaded in  
Course Management System (CMS) <https://cms.bits-hyderabad.ac.in/>

## **VI.CERTAIN INSTRUCTIONS REGARDING REGISTRATION**

1. While making your **Timetable**, please ENSURE:
  - to include the Tutorial hours of courses in your **Timetable**.
  - to include test date, day & hour, comprehensive date of all courses in the **blank Timetable/Examination Schedule**.
  - that you have provision for lunch hour on all days (lunch hours are 4, 5 and 6)
2. If you are registering for **Elective** courses, refer to Section V of the Timetable on “Suggestions for choosing electives”.
3. **Project Type Courses** If you have an elective slot, it should be filled with the allotted project type course. If you get any change in project course allotment by Associate Dean, AUGSD, after registration, you must substitute the same with a registered course.
4. Offering of elective courses with inadequate registration may be unilaterally cancelled. If you are registered for such a course, it will be removed from your registered courses unless a **request for substitution is made within prescribed time**.
5. If you register in any course for which you are not eligible, your registration for that course will be cancelled unilaterally and you will be awarded ‘RC’ in such a course unless a **request for substitution is made within prescribed time**, and substitution is permitted.
6. If there is a need of amendment in your Registration, ensure that it is properly incorporated in ERP.
7. If a higher degree student desires to change prescribed courses, then he/she requires the approval from AGSRD.
8. It is required that you meet your respective Registration advisor before registering for electives.

**A student may avail a maximum of 3 Project courses to meet the Discipline Electives Requirement under the head of (Discipline) Electives with the following limitations:**

**(a) All of these Project type courses should be**

- (i) within the Discipline (for which the degree is being awarded) or
- (ii) from an allied Discipline if so specified by the Department offering the degree

**(b) The projects may be chosen from under these sub-heads.**

- (i) Study Projects (maximum of 1)
- (ii) Laboratory (maximum of 2)
- (iii) Design Projects (maximum of 2)
- (iv) Special Projects (maximum of 1)

**A student may avail a maximum of 3 Project type courses** (under any of the heads mentioned above offered by any discipline as an Open Elective. However, in total a student may avail at most 5 Project type courses against Electives slots in any category.

## **VIII. LIBRARY, EDD NOTES AND CAMPUS BOOK STORE:**

**Central Library Facilities:** There is no separate library card to borrow library books. The ID card issued by SWD also serves as the library card. However, all the students have to register with the library before borrowing books.

- All the Library services are fully automated with RFID Technology
- Students can borrow **Ten** books.
- Students can have access to the library catalogue and e-resources from the hostel rooms.
- Wi-Fi facility is available in the library.
- Library works seven days a week.
- For more information on Library, please visit

<http://www.bits-pilani.ac.in/hyderabad/bitsLibrary> or contact the library staff.

**Students can purchase textbooks from Campus Book store; Book Syndicate (Unit of Shah Book House Pvt. Ltd, Hyderabad) at Connaught Place:**

1. Refer to the list of textbooks given in the timetable that is to be purchased.
2. All the text/reference books will be available with the bookstore.
3. 25% discount on all book purchases.
4. For EDD Notes & Lab Manuals contact Photocopy corner in the library or Karuturi Teleshope or Heritage Shop @Connaught Place in the Campus.
5. Currently, the campus is closed. To get the semester, Text/Reference books campus please visit our website [www.bitsbookstore.com](http://www.bitsbookstore.com) or <https://www.payumoney.com/webfronts/#/index/bitsbookstore> or contact Mr Madhuresh Shah 9885688852

**Campus book store working hours:**

Monday to Friday : 11.00 AM to 7.00 PM

Saturday & Sunday : 11.00 AM to 4.00 PM

# **BLANK TIMETABLE**

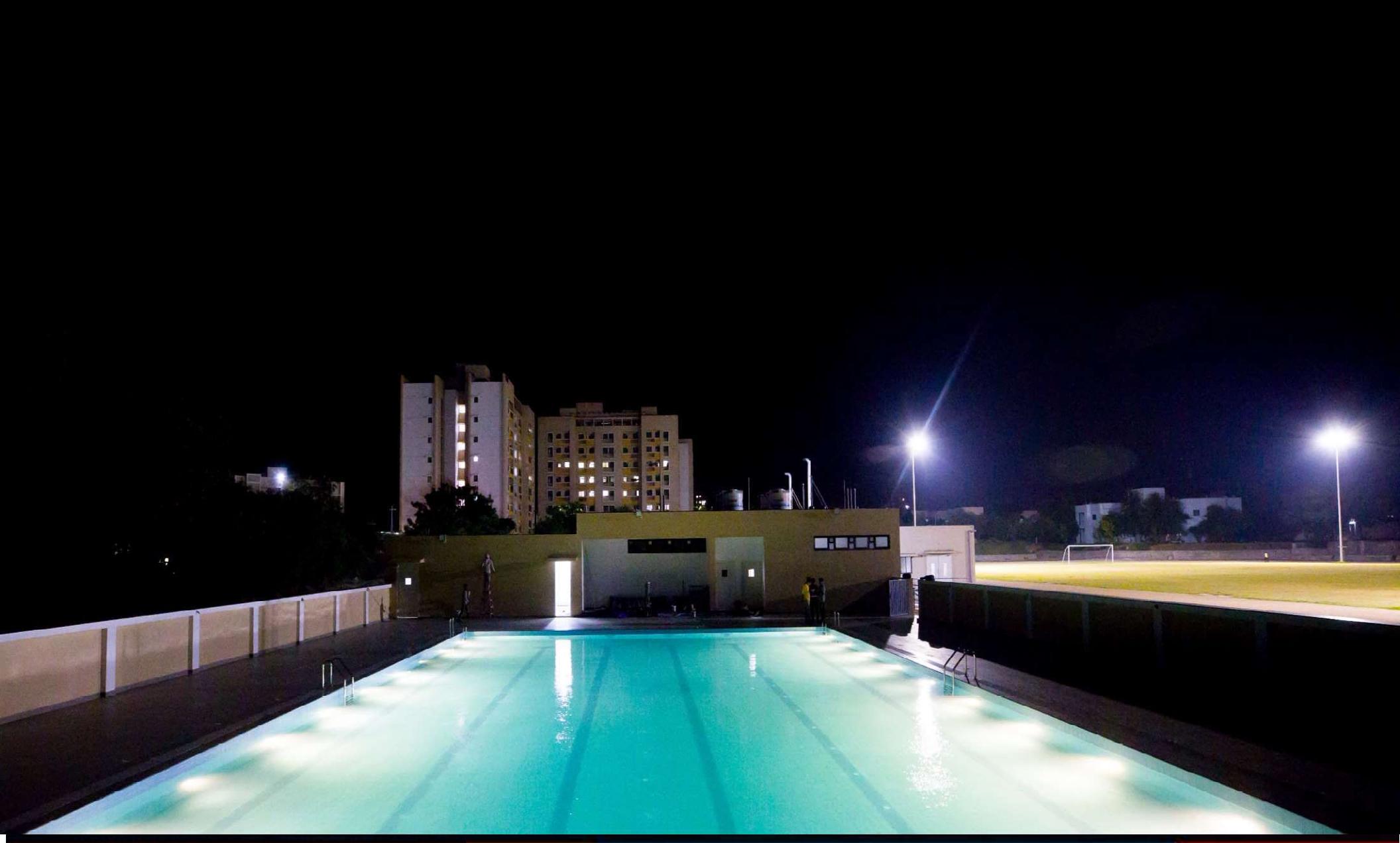
# **BLANK COMPREHENSIVE EXAMINATION SCHEDULE**

## **TIMETABLE TEAM**

- Dr. K Venkata Ratnam
- Dr. Dipanjan Chakraborty
- Dr. Runa Kumari
- Ms. N Sri Lakshmi
- Mr. Z Anil
- Mr. Manoj Kumar Dash
- Dr. Sashideep Gutti, (FIC, Timetable & Exams)

We would like to thank Associate Dean (AGSRD), Associate Dean (AUGSD) and Librarian for their valuable inputs.

In case of any queries regarding Timetable, email to <[timetable@hyderabad.bits-pilani.ac.in](mailto:timetable@hyderabad.bits-pilani.ac.in)>.



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