

## REVISED SLOT PATTERN

Day	8:30 – 9:25	9:30 – 10:25	10:30 – 11:25	11:30 – 12:25	Lunch break	14:00 – 14:55	15:00 – 15:55	16:00 – 16:55	17:00 – 17:55	18:05 – 19:30
Monday	A1	B1	C1	S1		H1	I1	J1	K1	Co-curricular Activities
Wednesday	D2	A2	B2	C2		J2	H2	I2	K2	
Friday	C3	D3	A3	B3		I3	J3	H3	K3	

Day	8:30 – 9:55	10:00 – 11:25	11:30 – 12:25	Lunch break	14:00 – 15:25	15:30 – 16:55	17:00 – 17:55	18:05 – 19:30
Tuesday	E1	F1	D1		L1	L2	Q1	Co-curricular Activities
Thursday	F2	E2	S2		M1	M2	Q2	
Saturday		9:30- 10:55	11:00-12:25					
		Co-curricular Activities	Co-curricular Activities					

Category	Slot	Days	Duration/Each
Theory Core Slots	A, B, C, D	Monday/Tuesday, Wednesday, Friday	55 Minutes
	E, F	Tuesday, Thursday	85 Minutes
Theory elective slots	H, I, J	Monday, Wednesday, Friday	55 Minutes
Minor /Honours slots	K	Monday, Wednesday, Friday	55 Minutes
Quiz slots/ Special lecture slots	Q, S	Monday, Tuesday, Thursday	55 Minutes
Laboratory core slots	L, M	Tuesday, Thursday	85 Minutes
Laboratory elective slots	H, I, J, K	Monday, Wednesday, Friday	55 Minutes

Mid semester / End semester examination Pattern		
Day	Morning Slots	Evening Slots
Day 1	A	H
Day 2	B	
Day 3	C	I
Day 4	D	
Day 5	E	J
Day 6	F	K

2nd Semester ( 2025 Batch)									
EEE									
S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	MA109T	Linear Algebra and Differential Equations	3	1.5	0	9	E + F2		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar
2	EE103T	Digital Systems	2	1	0	6	C		Prof. Ruma Ghosh/Prof. Samatha Benedict
3	EE101L	Digital Circuits Laboratory (S1)	0	0	3	3	HIJ2		Prof. Ruma Ghosh
4	EE104T	Network Theory	2	1	0	6	B		Prof. Amarkumar Ayodhyasingh Kushwaha
5	EE105T	Electronic Devices (2nd Half)	3	0	0	3	D		Prof. Vigneshwara Raja P.
6	ME101C	Engineering Graphics	1	0	3	5	F1+HIJ1+HIJ2+L		Prof. Amar Keshav Gaonkar/Prof. Omkar Baswaraj Bembalge/Prof. Rakesh Lingam
7	ME101L	Hands on Engineering Laboratory	0	0	3	3	HIJ1+HIJ2+L		Prof. Anbukkarasi R/Prof. Satyapriya Gupta/Prof. Hiranya Deka/Prof. Saroj Mondal/Prof. Konjengbam Anand
8	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2			???
Semester Total Credits					37				
ECE									
S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	MA109T	Linear Algebra and Differential equations	3	0	0	9	E + F2		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar
2	EE103T	Digital Systems	2	1	0	6	C		Prof. Ruma Ghosh/Prof. Samatha Benedict
3	EE101L	Digital Circuits Laboratory (S1)	0	0	3	3	HIJ2		Prof. Ruma Ghosh
4	EE104T	Network Theory	2	1	0	6	B		Prof. Amarkumar Ayodhyasingh Kushwaha
5	EE105T	Electronic Devices (2nd Half)	3	0	0	3	D		Prof. Vigneshwara Raja P.
6	ME101C	Engineering Graphics Lab	1	0	3	5	F1+HIJ1+HIJ2+L		Prof. Amar Keshav Gaonkar/Prof. Omkar Baswaraj Bembalge/Prof. Rakesh Lingam

7	ME101L	Hands on Engineering Lab	0	0	3	3	HIJ1+HIJ2+L		Prof. Anbukkarasi R/Prof. Satyapriya Gupta/Prof. Hiranya Deka/Prof. Saroj Mondal/Prof. Konjengbam Anand
8	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2			???

**Semester Total Credits**

**37**

### BSMS

S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	CS101T	Data Structures and Algorithms	3	0	0	6	B		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
2	BB201T	Biomolecules	2	1	0	6	A		Prof. Bal Krishna Chaube
3	MA109T	Linear Algebra and Differential Equations	3	1.5	0	9	E + F2		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar
4	PH102T	Electricity and Magnetism	2	1	0	6	D		Prof. Kavita Devi
5	CH203T	States of Matter (1st Half)	3	0	0	3	C		Prof. Sudhir Kumar Sahoo
6	CH201T	Organic Chemisrty (2nd Half)	3	0	0	3	C		Prof. Nilkamal Mahanta
7	CS101L	Data Structures and Algorithms Laboratory	0	0	3	3	L + M		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
8	CH101L	Hands on Science Laboratory - II	0	0	3	3	HIJ2		Prof. Mahesh Gudem/Prof. Koushik Saha/???
9	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2			???

**Semester Total Credits**

**41**

### Chemical and Biochemical Engineering

S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	MA109T	Linear Algebra and Differential Equations	3	1.5	0	9	E + F2		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar

2	ME101C	Engineering Graphics Lab	1	0	3	6	F1+HIJ1+HIJ2+L		Prof. Amar Keshav Gaonkar/Prof. Omkar Baswaraj Bembalge/Prof. Rakesh Lingam
3	ME101L	Hands on Engineering Lab	0	0	3	3	HIJ1+HIJ2+L		Prof. Anbukkarasi R/Prof. Satyapriya Gupta/Prof. Hiranya Deka/Prof. Saroj Mondal/Prof. Konjengbam Anand
4	CL101T	Introduction to Chemical Engineering	3	0	0	6	B		Prof. Suvamay Jana
5	BB201T	Biomolecules	2	1	0	6	A		Prof. Bal Krishna Chaube
6	CH201T	Organic Chemisrty (2nd Half)	3	0	0	3	C		Prof. Nilkamal Mahanta
7	NO 105/NO 107	NSO/NSS	0	0	2	2			???

Semester Total Credits

35

Computer Science and Engineering									
S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	MA109T	Linear Algebra and Differential Equations	3	1.5	0	9	E + F2		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar
2	EE103T	Digital Systems	3	0	0	6	C		Prof. Ruma Ghosh/Prof. Samatha Benedict
3	EE101L	Digital Circuits Laboratory (S2)	0	0	3	3	HIJ3		Prof. Ruma Ghosh
4	CS101T	Data Structures and Algorithms	3	0	0	6	B		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
5	CS202T	Discrete Structures	3	0	0	6	D		Prof. Tamal Das
6	CS101L	Data Structures and Algorithms Laboratory	0	0	3	3	L + M		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
7	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	1	0	0	2			???

Semester Total Credits

35

Civil and Infrastructure Engineering									
S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	CE101T	Introduction to Civil Engineering	2	1	0	6	C		Prof. Amarnath Hegde

2	CE301T	Environmental Studies	3	0	0	6	A	Prof. K V Jayakumar
3	MA109T	Linear Algebra and Differential Equations	3	1.5	0	9	E + F2	Prof. Amlan Kusum Barua/Prof. Veekesh Kumar
4	ME101C	Engineering Graphics Lab	1	0	3	5	F1+HIJ1+HIJ2+L	Prof. Amar Keshav Gaonkar/Prof. Omkar Baswaraj Bembalge/Prof. Rakesh Lingam
5	CS101T	Data Structures and Algorithms	3	0	0	6	B	Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
6	CS101L	Data Structures and Algorithms Laboratory	0	0	3	3	L + M	Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
7	ME101L	Hands on Engineering Lab	0	0	3	3	HIJ1+HIJ2+L	Prof. Anbukkarasi R/Prof. Satyapriya Gupta/Prof. Hiranya Deka/Prof. Saroj Mondal/Prof. Konjengbam Anand
8	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	1	0	0	2		???

**Semester Total Credits** **40**

### Mathematics and Computing

S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	MA109T	Linear Algebra and Differential Equations	3	1.5	0	9	E + F2		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar
2	CS101T	Data Structures and Algorithms	3	0	0	6	B		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
3	CS101L	Data Structures and Algorithms Laboratory	0	0	3	3	L + M		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
4	EE103T	Digital Systems				6	C		Prof. Ruma Ghosh/Prof. Samatha Benedict
5	EE101L	Digital Circuits Laboratory (S2)				3	HIJ3		Prof. Ruma Ghosh
6	CS202T	Discrete Structures	3	0	0	6	D		Prof. Tamal Das
7	CE301T	Environmental studies	3	0	0	6	A		Prof. K V Jayakumar
8	NO	NSO/NSS/NCA/NCC	0	0	0	2			???

**Semester Total Credits** **41**

### Engineering Physics

S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	CS101T	Data Structures and Algorithms	3	0	0	6	B		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
2	ME206T	Thermodynamics	3	0	0	6	C		Prof. Keerthi M. C.
3	MA109T	Linear Algebra and Differential Equations	3	1.5	0	9	E + F2		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar
4	PH102T	Electricity and Magnetism	2	1	0	6	D		Prof. Kavita Devi
5	ME101L	Hands on Engineering Laboratory	0	0	3	3	HIJ1+HIJ2+L		Prof. Anbukkarasi R/Prof. Satyapriya Gupta/Prof. Hiranya Deka/Prof. Saroj Mondal/Prof. Konjengbam Anand
6	ME101C	Engineering Graphics	1.5	0	3	6	F1+HIJ1+HIJ2+L		Prof. Amar Keshav Gaonkar/Prof. Omkar Baswaraj Bembalge/Prof. Rakesh Lingam
7	CS101L	Data Structure & Algorithms Lab	0	0	3	3	L + M		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
8	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2			???
<b>Semester Total Credits</b>									<b>41</b>

<b>Mechanical Engineering</b>									
S.No	New Course Code	Course	L	T	P	C	Slot Assigned	Venue	Instructor
1	MA111T	Calculus and Vector Calculus	3	0	0	6	E		Prof. Keerthi M. C. + Prof. Tejas Prakash Gotkhindi
2	ME101C	Engineering Graphics	1.5	0	3	6	F1+HIJ1+HIJ2+L		Prof. Amar Keshav Gaonkar/Prof. Omkar Baswaraj Bembalge/Prof. Rakesh Lingam
3	ME206T	Thermodynamics	3	0	0	6	C		Prof. Keerthi M. C.
4	CS101T	Data Structure and Algorithms	3	0	0	6	B		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi
5	CS101L	Data Structure and Algorithms laboratory	3	0	0	3	L + M		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi

6	ME204T	Manufacturing Processes-I	3	0	0	6	A	Prof. Vyom Sharma
7	ME103T	Engineering Metrology and Measurements	3	0	0	3	D	Prof. Somashekara M. A.
8	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2		???
<b>Semester Total Credits</b>					<b>38</b>			

4th Semester ( 2024 Batch)										
CBE										
S.No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	Remark
1	CL201L	Chemical Engineering lab-I	0	0	3	3	L		Prof. Sontti Somasekhara Goud	
2	CL206T	Materials Science for Chemical Engineers	3	0	0	6	B		Prof. C. Ravikumar	
3	MA103T	Differential Equations (2nd half only)	3	1	0	4	E + F2		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar	
4	BB403T	BioPhysics (1st Half)	3	0	0	3	C		Prof. Surya Pratap Singh	
5	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar	
6	CL201T	Reaction Engineering	3	0	0	6	D		Prof. Ashok Kumar Ummireddi	
7	CH201T	Organic Chemistry (2nd Half)	3	0	0	3	C		Prof. Nilkamal Mahanta	
8	CL202T	Mass Transfer	3	0	0	6	H	Exam in F slot	Prof. Varaha Jayarama Krishna Jonnalagedda	
		Total Credits				37				
CIE										
S.No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	CE202T	Surveying and Geomatics	2	1	0	6	C		Prof. Aniket Vasantrao Kataware	
2	CE202L	Surveying and Geomatics Laboratory	0	0	3	3	EF1		Prof. Aniket Vasantrao Kataware	
3	CE203T	Structural Analysis	2	1	0	6	B		Prof. Chinthapalli Hemanth Kumar	
4	ME204L	Solid Mechanics Laboratory	0	0	3	3	E2,F2		Prof. Chinthapalli Hemanth Kumar	
5	ME202L	Fluid Mechanics Laboratory	0	0	3	3	L		Prof. Surya Prakash Ramesh + Prof. Ramjee Repaka + Prof. Somil Yadav	
6	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar	
7	CE204T	Water Resources Engineering	2	1	0	6	D		Prof. Venkappayya R. Desai	
8		Institute Elective-I	2	1	0	6				
		Total Credits				39				
CSE										
S.No	New Course Code	Course name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	CS201T	Automata theory	3	1	0	8	A + S2		Prof. Ramchandra Phawade	

2	CS204T	Artificial intelligence	3	0	0	6	D		Prof. Dileep A D	
3	CS302T	Computer Architecture	3	0	0	6	I	Exam in E slot	Prof. Gayathri Ananthanarayanan	
4	EE103T	Digital systems	3	0	0	6	C		Prof. Ruma Ghosh/Prof. Samatha Benedict	
5	EE101L	Digital Circuits Laboratory (S3)	3	0	0	3	L		Prof. Naveen Kadayinti	S3
6	CS201L	Artificial intelligence lab	0	0	3	3	EF2		Prof. Dileep A D	
7	CS301L	Computer Architecture lab	0	0	3	3	EF1		Prof. Gayathri Ananthanarayanan	

**Total Credits**

**ECE and EEE**

S.No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	EE208T	Control Systems Engineering	3	0	0	6	E		Prof. Gopal Krishna Kamath M.	
2	EE203L	Control Systems Engineering Lab	0	0	3	3	HIJ3		Prof. Ameer Kalandar Mulla	
3	EE209T	Introduction to modern communication systems	2	0	2	6	D + HJ2		Prof. Gopal Krishna Kamath M.	
4	EE202T	Introduction to Electrical Machines (1st Half)	3	0	0	3	F		Prof. Amarkumar Ayodhyasingh Kushwaha	
5	EE206T	Introduction to Power Systems (2nd Half)	3	0	0	3	A		Prof. Pratyasa Bhui	
6	EE203T	Introduction to Power Electronics (1st Half)	3	0	0	3	A		Prof. Animesh Kumar Sahoo	
7	EE202L	Electrical Machines and Power Electronics Lab	0	0	3	3	HIJ1		Prof. Satish Naik Banavath + Prof. Sairam Boggavarapu	
8	CS101T	Data Structures and Algorithms	3	0	0	6	B		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi	
9	CS101L	Data Structures and Algorithms Lab	0	0	3	3	L + M		Prof. Kedar Vithal Khandeparkar/Prof. Vijeth Jinachandra Kotagi	

**Total Credits**

**EP**

Sl. No.	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	PH305T	Statistical Physics	2	1	0	6	A		Prof. Koushik Saha	
2	EE103T	Digital Systems	2	1	0	6	C		Prof. Ruma Ghosh/Prof. Samatha Benedict	
3	CS302T	Computer Architecture	2	1	0	6	I	Exam in E slot	Prof. Gayathri Ananthanarayanan	

4	EE105T	Electronic Devices (Post Mid Sem)	3	0	0	3	D		Prof. Vigneshwara Raja P.	
5	ME201T	Engineering Mechanics	2	1	0	6	B		Prof. Omkar Baswaraj Bembalge	
6	PH301L	General Physics Laboratory	0	0	3	3	M		Prof. Santosh Kumar	
7	EE101L	Digital Circuits Laboratory (S3)	0	0	3	3	L		Prof. Naveen Kadayinti	
8	CS301L	Computer Architecture Lab	0	0	3	3	EF1		Prof. Gayathri Ananthanarayanan	
	<b>Total Credits</b>			<b>36</b>						

## Maths & Computing

S.No	New Course Code	Course name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	CE301T	Environmental studies	3	0	0	6	A		Prof. K V Jayakumar	
2	CS204T	Artificial intelligence	3	0	0	6	D		Prof. Dileep A D	
3	CS302T	Computer Architecture	3	0	0	6	I	Exam in E slot	Prof. Gayathri Ananthanarayanan	
4	CS201L	Artificial intelligence Laboratory	0	0	3	3	EF2		Prof. Dileep A D	
5	CS301L	Computer Architecture Laboratory	0	0	3	3	EF1		Prof. Gayathri Ananthanarayanan	
6	MA302T	Real Analysis	2	1	0	6	C		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar	
7	MA402T	Statistics	3	0	0	6	HJ2 + S2		External faculty (Prof. G Ravindran)	
<b>Total credits</b>				<b>36</b>						

ME

S.No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	ME207T	Mechanical Measurements	3	0	0	6	E		Prof. Sudheer Siddapureddy	
2	ME202T	Engineering Materials	2	1	0	6	D		Prof. Anbukkarasi R	
3	ME304T	Theory of Machines	2	1	0	6	A		Prof. Sangamesh Deepak R.	
4	ME209T	Heat Transfer	2	1	0	6	C		Prof. Ramjee Repaka	
5	MA204T	Introduction to Numerical Linear Algebra (1st Half)	3	1	0	4	F + H1		Prof. Sangamesh Deepak R.	
6	ME202L	Fluid Mechanics Laboratory	0	0	3	3	L		Prof. Surya Prakash Ramesh + Prof. Ramjee Repaka + Prof. Somil Yadav	
7	ME208L	Control Systems and Laboratory	2	0	2	6	B + L		Prof. Punnag Chatterjee	
<b>Total Credits</b>			<b>37</b>							

S. No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	BB402T	Metabolism and Bioenergetics	2	1	0	6	B		Prof. Swananda Vishvas Marathe	
2	BB403T	Biophysics (1st Half)	3	0	0	3	C		Prof. Surya Pratap Singh	
3	BB201L	Biology Lab I	0	0	3	3	L		Prof. Surya Pratap Singh	
4	BB406T	Biophysical Methods (2nd Half)	3	0	0	3	C		Prof. Surya Pratap Singh	
5		Institute Elective – I	3	0	0	6				
6		Program Elective-I	3	0	0	6				
7		HSS Elective-I	3	0	0	6				
		<b>Total Credits</b>				<b>33</b>				

### BSMS-Chemistry

S. No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar	
2	CH501T	Organic Reactions and Reagents	3	0	0	6	B		Dr. Supriya Rej	
3	CH411T	Quantum Chemistry	3	0	0	6	J		Prof. Mahesh Gudem	
4	CH402T	Molecular Energetics and Dynamics	3	0	0	6	E		Dr. Anmol Kumar (Prof. Nilkamal Mahanta)	
5		Institute Elective-I	3	0	0	6				
6	CH301L	Chemistry laboratory-I	0	0	3	3	L		Prof. Rajeswara Rao Malakalapalli	
		<b>Total Credits</b>				<b>33</b>				

### BSMS-Mathematics

S. No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	MA302T	Real Analysis	2	1	0	6	C		Prof. Amlan Kusum Barua/Prof. Veekesh Kumar	
2	MA303T	Group Theory	2	1	0	6	B		Prof. Shraddha Srivastava	
3	MA107T	Advanced Linear Algebra	2	1	0	6	A		Prof. Sagnik Sen	
4		Program Elective-I				6				
5		Program Elective-II				6				
		<b>Total Credits</b>				<b>30</b>				

### BSMS-Physics

S. No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar	
2	PH418T	Experimental Techniques	2	1	0	6	C		Prof. Dhriti Sundar Ghosh	
3	PH304T	Mathematical Physics-I	2	1	0	6	B		Prof. D Narasimha	
4	CS204T	Artificial Intelligence	2	1	0	6	D		Prof. Dileep A D	
5	CS201L	Artificial Intelligence Lab	0	0	3	3	EF2		Prof. Dileep A D	
6	PH301L	General Physics Laboratory	0	0	3	3	M		Prof. Santosh Kumar	
		<b>Total Credits</b>			<b>30</b>					

6th Semester (2023 Batch)										
CBE										
<u>S.No</u>	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	CH403T	Catalysis (2nd Half)	3	0	0	3	C		Prof. Kundan Kumar Singh Sagar	
2	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar	
3	ME208L CS204T	Control Systems and Laboratory	2	0	2	6	B + L		Prof. Punnag Chatterjee	
4		Artificial Intelligence	3	0	0	6	D		Prof. Dileep A D	
5	CS201L	Artificial Intelligence Lab	0	0	3	3	EF2		Prof. Dileep A D	
6		Programme elective-II	3	0	0	6				
7		Programme elective-III	3	0	0	6				
Total Credits					36					
CIE										
<u>S.No</u>	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	CE306T	Design of Steel Structures	2	1	0	6	A		Prof. Ramesh Nayaka	
2	CE301C	Sensor Technologies & Instrumentation in Civil Engineering	2	0	2	6	D2+D3+M		Prof. Somil Yadav	
3	CE307T	Foundation Engineering	2	1	0	6	C		Prof. Giridhar Rajesh Bande	
4	CE308T	Estimation and Costing in Civil Engineering	1.5	0	0	3	F1		Prof. Sanatkumar P Rajamane Jain	
5		Institute Elective-II	2	1	0	6				
6		HSS Elective-I [from Basket: 1 OR 2] (Professional/Applied Ethics)	2	1	0	6				
Total Credits					33					
CSE										
<u>S.No</u>	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor	
1	CS305T	Computer networks	3	0	0	6	J		Prof. Koteswararao Kondepu	
2	CS304T	Compilers	3	0	0	6	D		Prof. Achyut Mani Tripathi	
3	CS304L	Compilers lab	0	0	3	3	EF1		Prof. Achyut Mani Tripathi	
4	CS303L	Computer networks lab	0	0	3	3	EF2		Prof. Koteswararao Kondepu	

5	HSS Elective II*		3	0	0	6			
6	CE301T	Environmental studies		3	0	0	6	A	Prof. K V Jayakumar
7	Elective III / R&D I/II#			3	0	0	6		

**Total credits**

**36**

### EE

<b>S.No</b>	<b>New Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Slot Assigned</b>	<b>Venue</b>	<b>Instructor</b>
1	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar
2	EE301L	Electronics Design Lab	0	0	6	6	BCS1 + M		Prof. Abhijit Kshirsagar + Prof. Naveen Kadavinti
3		Elective Courses				24			

**Total Credits**

**36**

### EP

<b>S.No</b>	<b>New Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Slot Assigned</b>	<b>Venue</b>	<b>Instructor</b>
1	PH402T	Condensed Matter Physics	2	1	0	6	J	Exam in E	Prof. Santosh Kumar
1	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar
2	PH401T	Quantum Mechanics - II	2	1	0	6	D		Prof. R. Prabhu
3	ME207L	Mechanics and Measurement Lab	1	0	3	5	L + C1		Prof. Sudheer Siddapureddy
4	PH401S	Seminar – 1	0	0	3	3			Prof. Dhriti Sundar Ghosh
5		HSS Elective - I	3	0	0	6			
6		Institute Elective – 1 / RnD Project	2	1	0	6			

**Total Credits**

**38**

### Maths & Computing

<b>S.No</b>	<b>New Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Slot Assigned</b>	<b>Venue</b>	<b>Instructor</b>
1	CS201T	Automata theory	3	1	0	8	A + S2		Prof. Ramchandra Phawade
2	MA303T	Group Theory	2	1	0	6	B		Prof. Shraddha Srivastava
3	MA408T	Introduction to Mathematical Finance 2	3	0	0	6	F		External faculty (Prof. G Ravindran)
4		CSE Elective /Mathematics Elective/R&D project				6			
5		HSS Elective II	3	0	0	6			

**Total credits**

**32**

ME									
<u>S.No</u>	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar
2	ME301L	Kinematics and Dynamics of Machinery Laboratory	0	0	3	3	M		Prof. Sangamesh Deepak R.
3	ME206L	Manufacturing processes Laboratory	0	0	3	3	L		Prof. Vyom Sharma
4	ME302L	Applied Thermodynamics Laboratory	0	0	3	3	EF1		Prof. Dhiraj V Patil + Prof. Hiranya Deka
5	MA203T	Introduction to Numerical Methods (1st Half)	3	1	0	4	D + C1		Prof. Dhiraj V Patil
6		Elective Course from Physics Department	3	0	0	6			
7		Elective 2	3	0	0	6			
8		Elective 3	3	0	0	6			
Total Credits					37				

#### BS-MS - Major in Biology

<u>S. No</u>	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar
2	BB402L	Bioinformatics Lab	0	0	3	3	M		Prof. Bal Krishna Chaube
3		Program Elective	2	1	0	6			
4		Institute Elective – III				6			
5	BB301L	Biology Lab III	0	0	6	6	L + IJK1		Prof. Subhash Mehto/Prof. Sudhanshu Kumar Shukla
Total Credits					27				

#### BS-MS - Major in Chemistry

<u>S. No</u>	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar
2	CH605T	Instrumental Methods for Structure Determination	3	0	0	6	F		Prof. Nilkamal Mahanta + Prof. Supriya Rej
3	CH402L	Chemistry laboratory-III	0	0	3	3	L		Prof. Kundan Kumar Singh Sagar
4		Program Elective-V	2	1	0	3			

5		Program Elective-VI	2	1	0	6		
6		Institute Elective – I	3	0	0	6		
		<b>Total Credits</b>	<b>30</b>					

#### **BS-MS - Major in Mathematics**

<b>S.No</b>	<b>New Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Slot Assigned</b>	<b>Venue</b>	<b>Instructor</b>
1	CE301T	Environmental Studies	3	0	0	6	A		Prof. K V Jayakumar
2	MA403T	Ordinary Differential Equations	2	1	0	6	C		???
3	MA617T	Measure Theory	2	1	0	6	B		Prof. Dhriti Ranjan Dolai
4		Program Elective-III				6			
5		HSS Elective-I	3	0	0	6			
		<b>Total Credits</b>	<b>30</b>						

#### **BS-MS - Major in Physics**

<b>S.No</b>	<b>New Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Slot Assigned</b>	<b>Venue</b>	<b>Instructor</b>
1		Program Elective-II	2	1	0	6			
2	PH401T	Quantum Mechanics - II	2	1	0	6	D		Prof. R. Prabhu
3	PH305T	Statistical Physics	2	1	0	6	A		Prof. Koushik Saha
4		Institute Elective – I	2	1	0	6			
5		Institute Elective – II / Minor Project-I	0	0	6	6			
6		ALO							
		<b>Total Credits</b>	<b>30</b>						

**8th Semester ( 2022 Batch)**

**CBE**

S.No	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1		Institute Elective-III	3	0	0	6			
2		Institute Elective-IV/ HSS elective	3	0	0	6			
3		Programme elective-VII/BTP -I	3	0	0	6			
4		Programme elective-VIII	3	0	0	6			
5		Programme elective-IX	3	0	0	6			
<b>Total credits</b>						<b>30</b>			

**CE**

S.No	New Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1		BTP-II/Program Elective-II	2	1	0	6			
2		Institute Elective-IV				6			
<b>Total credits</b>						<b>12</b>			

**CSE**

S.No	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1		Elective VIII				6			
2		Elective IX				6			
3	CS 409/	BTP/Elective X				6			
<b>Total credits</b>						<b>18</b>			

**EE**

S.No	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1		1. Student has to earn 36 credits in the fourth year. 2. Student may choose to earn zero or 6 or 12 credits though BTP/co-op project. 3. The BTP/co-op may be split in two semesters (6 credits per semester). 4. The remaining credits should be earned through Institute Elective. 5. Student has to credit one 6 credits course from HSS Basket 1 and Basket 2, each.							
<b>Total Credits</b>						<b>36</b>			

**EP**

Sl. No.	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
2		Institute Elective – 4	2	1	0	6			
3		Institute Elective – 5	2	1	0	6			
4		Institute Elective – 6/ BTP-II	2	1	0	6			
<b>Total Credits</b>								<b>18</b>	
<b>Maths &amp; Computing</b>									
S.No	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1		CSE Elective /Mathematics Elective				6			
2		Institute Elective/BTP				6			
3		Institute Elective				6			
<b>Total Credits</b>								<b>18</b>	
<b>ME</b>									
S.No	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1		Elective Course 7	3	0	0	6			
2		Elective Course 8 / BTP	3	0	0	6			
<b>Total Credits</b>								<b>12</b>	
<b>BS-MS - Major in Biology</b>									
S. No	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1		Program Elective	3	0	0	6			
2		Institute Elective -V	3	0	0	6			
3		Minor Project				12			
<b>Total Credits</b>								<b>24</b>	
<b>BS-MS - Major in Chemistry</b>									
S. No	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor
1		Program ElectiveVIII/ Minor Project	2	1	0	6			
2		HSS Elective-II	3	0	0	6			
3		Institute Elective – IV	2	1	0	6			
4		Institute Elective – V	2	1	0	6			
<b>Total Credits</b>								<b>24</b>	
<b>BS-MS - Major in Mathematics</b>									
S.No	Course Code	Course Name	L	T	P	C	Slot Assigned	Venue	Instructor

1		Program Elective-VI	2	1	0	6			
2		Institute Elective – II	2	1	0	6			
3		Institute Elective – III				6			
4		Institute Elective – IV				6			
5		Institute Elective – v				6			
		<b>Total Credits</b>				<b>30</b>			
<b>BS-MS - Major in Physics</b>									
<b>S.No</b>	<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>	<b>Slot Assigned</b>	<b>Venue</b>	<b>Instructor</b>
1		Program Elective-IV	2	1	0	6			
2		Institute Elective – VI	2	1	0	6			
3		Institute Elective – VII				6			
4		Institute Elective – VIII/ MinorProject- III (2-1-0-6)	0	0	6	6			
5	PH 308	Seminar – II	0	0	3	3	Prof. R. Prabhu		
		ALO							
		<b>Total Credits</b>				<b>27</b>			

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
1	BB201L	Biology Lab I	0	0	3	3	Prof. Surya Pratap Singh	L		
2	BB201T	Biomolecules	2	1	0	6	Prof. Bal Krishna Chaube	A	101	
3	BB301L	Biology Lab III	0	0	6	6	Prof. Subhash Mehto	L + IJK1		
4	BB301L	Biology Lab III	0	0	6	6	Prof. Sudhanshu Kumar Shukla	L + IJK1		
5	BB301P	ALO	2	0	2	2	Prof. Swananda Vishvas Marathe	No slot required		
6	BB401P	Minor Project				12	Prof. Swananda Vishvas Marathe	No slot required		
7	BB402L	Bioinformatics Lab	0	0	3	3	Prof. Bal Krishna Chaube	M		
8	BB402T	Metabolism and Bioenergetics	2	1	0	6	Prof. Swananda Vishvas Marathe	B	313	
9	BB403T	BioPhysics (1st Half)	3	0	0	3	Prof. Surya Pratap Singh	C	LG 03	
10	BB406T	Biophysical Methods (2nd Half)	3	0	0	3	Prof. Surya Pratap Singh	C	LG 03	
11	BB408T	Infectious Disease Biology	3	0	0	6	Prof. Subhash Mehto	F	313	
12	BB409T	Molecular mechanism of Human Disease (S1)	3	0	0	6	Prof. Bal Krishna Chaube	C	310	
13	BB409T	Molecular mechanism of Human Disease (S1)	3	0	0	6	Prof. Subhash Mehto	C	310	
14	BB409T	Molecular mechanism of Human Disease (S1)	3	0	0	6	Prof. Sudhanshu Kumar Shukla	C	310	
15	BB409T	Molecular mechanism of Human Disease (S1)	3	0	0	6	Prof. Swananda Vishvas Marathe	C	310	
16	BB601L	Medical Biochemistry Lab	0	0	3	3	Prof. Swananda Vishvas Marathe	M		
17	BB606T	Molecular Diagnostic Techniques	3	0	0	6	Prof. Sudhanshu Kumar Shukla	E	109	
18	BB608T	Research Philosophy	3	0	0	6	Prof. Swananda Vishvas Marathe	I	309	
19	BB701S	Seminar	0	0	4	4	Prof. Swananda Vishvas Marathe	No slot required		PG-only
20	CE101T	Introduction to Civil Engineering	2	1	0	6	Prof. Amarnath Hegde	C	309	
21	CE202L	Surveying and Geomatics Laboratory	0	0	3	3	Prof. Aniket Vasantrao Kataware	E1,F1		
22	CE202T	Surveying and Geomatics	2	1	0	6	Prof. Aniket Vasantrao Kataware	C	301	
23	CE203T	Structural Analysis	2	1	0	6	Prof. Chinthapalli Hemanth Kumar	B	LG 08	
24	CE204T	Water Resources Engineering	2	1	0	6	Prof. Venkappayya R. Desai	D	LG 10	
25	CE301C	Sensor Technologies & Instrumentation in Civil Engineering	2	0	2	6	Prof. Somil Yadav	D2+D3+M	316	
26	CE301T	Environmental Studies	3	0	0	6	Prof. K V Jayakumar	A	115	
27	CE306T	Design of Steel Structures	2	1	0	6	Prof. Ramesh Nayaka	A	207	

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
28	CE307T	Foundation Engineering	2	1	0	6	Prof. Giridhar Rajesh Bande	C	304	
29	CE308T	Estimation and Costing in Civil Engineering	1.5	0	0	3	Prof. Giridhar Rajesh Bande	F1	310	
30	CE801C	3D Concrete Printing Technology	3	0	0	6	Prof. Ramesh Nayaka	No slot required		PG-only
31	CE801S	Seminar	0	0	4	4	Prof. Giridhar Rajesh Bande	No slot required		PG-only
32	CE801T	Pavement Engineering	3	0	0	6	Prof. Aniket Vasantrao Kataware	No slot required		PG-only
33	CE802C	Modern Construction Materials and Techniques	2	0	2	6	Prof. Ramesh Nayaka	No slot required		PG-only
34	CE802T	Geosynthetic Engineering	3	0	0	6	Prof. Giridhar Rajesh Bande	No slot required		PG-only
35	CE803C	Advanced Soil Mechanics	3	0	0	6	Prof. Amarnath Hegde	No slot required		PG-only
36	CE803T	Vibrations and Structural Dynamics	3	0	0	6	Prof. Chinthapalli Hemanth Kumar	No slot required		PG-only
37	CE804T	Advanced Concrete Structures	3	0	0	6	Prof. Chinthapalli Hemanth Kumar	No slot required		PG-only
38	CH101L	Hands on Science Laboratory - II	0	0	3	3	???	H2,I2,J2		
39	CH101L	Hands on Science Laboratory - II	0	0	3	3	Prof. Koushik Saha	H2,I2,J2		
40	CH101L	Hands on Science Laboratory - II	0	0	3	3	Prof. Mahesh Gudem	H2,I2,J2		
41	CH201T	Organic Chemistry (2nd Half)	3	0	0	3	Prof. Nilkamal Mahanta	C	111	
42	CH203T	States of Matter (1st Half)	3	0	0	3	Prof. Sudhir Kumar Sahoo	C	111	
43	CH301L	Chemistry laboratory-I	0	0	3	3	Prof. Rajeswara Rao Malakalapalli	L		
44	CH401P	Minor Project	0	0	3	6	Prof. Sudhir Kumar Sahoo	No slot required		
45	CH402L	Chemistry laboratory-III	0	0	3	3	Prof. Kundan Kumar Singh Sagar	L		
46	CH402T	Molecular Energetics and Dynamics	2	1	0	6	Dr. Anmol Kumar (Prof. Nilkamal Mahanta)	E	LG 06	
47	CH403T	Catalysis (2nd Half)	3	0	0	3	Prof. Kundan Kumar Singh Sagar	C	313	
48	CH407T	Material Science and Polymer Chemistry	3	0	0	6	Prof. Rajeswara Rao Malakalapalli	No slot required		
49	CH411T	Quantum Chemistry	3	0	0	6	Prof. Mahesh Gudem	J	101	
50	CH501L	Chemistry Laboratory-IV (S1)	0	0	3	3	Prof. Nilkamal Mahanta	M		
51	CH501L	Chemistry Laboratory-IV (S1)	0	0	3	3	Prof. Sudhir Kumar Sahoo	M		

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
52	CH501T	Organic Reactions and Reagents	2	1	0	6	Dr. Supriya Rej	B	304	
53	CH605T	Instrumental Methods for Structure Determination (S1)	3	0	0	6	Prof. Nilkamal Mahanta	F	LG 03	
54	CH605T	Instrumental Methods for Structure Determination (S1)	3	0	0	6	Dr. Supriya Rej	F	LG 03	
55	CH607T	Organometallic Chemistry and Catalysis	3	0	0	6	Prof. Kundan Kumar Singh Sagar	C	LG 08	
56	CH705T	Bioorganic Chemistry and Chemical Biology	3	0	0	6	Prof. Nilkamal Mahanta	No slot required		PG-only
57	CL101T	Introduction to Chemical Engineering	3	0	0	6	Prof. Suvamay Jana	B	LG 10	
58	CL201L	Chemical Engineering lab-I	3	0	0	3	Prof. Sontti Somasekhara Goud	L		
59	CL201T	Reaction Engineering	3	0	0	6	Prof. Ashok Kumar Ummireddi	D	LG 03	
60	CL202T	Mass Transfer	3	0	0	6	Prof. Varaha Jayarama Krishna Jonnalagedda	H	307	Exam in F slot
61	CL206T	Materials Science for Chemical Engineers	3	0	0	6	Prof. C. Ravikumar	B	307	
62	CL309T	Chemical Process Technology	3	0	0	6	Prof. Shashwata Ghosh	H	304	
63	CL401P	B.Tech project-1	0	0	6	6	Prof Suvamay Jana	No slot required		
64	CL404T	Process plant utilities	3	0	0	6	Prof. Shashwata Ghosh	I	LG 05	
65	CL602T	Advanced separation processes	3	0	0	6	Prof. Ravi C Dutta	No slot required		
66	CL603T	Computational Techniques for Multiphase Flows	2	1	0	6	Prof. Sontti Somasekhara Goud	J	LG 10	
67	CL605T	Molecular Simulation in Chemical and Biochemical Engineering	2	1	0	6	Prof. Suvamay Jana	J	LG 05	
68	CL606T	Principles and applications of electrochemistry	3	0	0	6	Prof. Ashok Kumar Ummireddi	K	001	
69	CS101L	Data Structures and Algorithms Laboratory (S1)	0	0	3	3	Prof. Kedar Vithal Khandeparkar	L + M		
70	CS101L	Data Structures and Algorithms Laboratory (S2)	0	0	3	3	Prof. Vijeth Jinachandra Kotagi	L + M		

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
71	CS101T	Data Structures and Algorithms (S1)	3	0	0	6	Prof. Kedar Vithal Khandeparkar	B	006	
72	CS101T	Data Structures and Algorithms (S2)	3	0	0	6	Prof. Vijeth Jinachandra Kotagi	B	010	
73	CS201L	Artificial intelligence Laboratory	0	0	3	3	Prof. Dileep A D	E2,F2		
74	CS201T	Automata theory	3	1	0	8	Prof. Ramchandra Phawade	A + S2	111	
75	CS202T	Discrete Structures	3	0	0	6	Prof. Tamal Das	D	001	
76	CS204T	Artificial intelligence	3	0	0	6	Prof. Dileep A D	D	003	
							Prof. Gayathri Ananthanarayanan			
77	CS301L	Computer Architecture Laboratory	0	0	3	3	Prof. Gayathri Ananthanarayanan	E1,F1		
78	CS301P	Research and Development Project	0	0	6	6	Prof. Ramchandra Phawade	No slot required		
79	CS302P	Research and Development Project II	0	0	6	6	Prof. Ramchandra Phawade	No slot required		
							Prof. Gayathri Ananthanarayanan			
80	CS302T	Computer Architecture	3	0	0	6	Prof. Gayathri Ananthanarayanan	I	105	Exam in E slot
81	CS303L	Computer networks lab	0	0	3	3	Prof. Koteswararao Kondepu	E2,F2		
82	CS304L	Compilers lab	0	0	3	3	Prof. Achyut Mani Tripathi	E1,F1		
83	CS304T	Compilers	3	0	0	6	Prof. Achyut Mani Tripathi	D	107	
84	CS305T	Computer networks	3	0	0	6	Prof. Koteswararao Kondepu	J	101	
85	CS401P	B. Tech. Project-CSE	0	0	6	6	Prof. Ramchandra Phawade	No slot required		
86	CS402P	B. Tech. Project-CSE - II	0	0	6	6	Prof. Ramchandra Phawade	No slot required		
87	CS404T	Parallel Computing	3	0	0	6	Prof. Nikhil Devaratha Hegde	B	111	
88	CS501C	Advanced Computer Architecture	3	0	3	9	Prof. Rajshekhar K.	D + E1,F1	008	
89	CS501T	Introduction to Blockchains	3	0	0	6	Prof. Siba Narayan Swain	C	010	
90	CS506T	Guided Study	0	0	6	6	Prof. Ramchandra Phawade			
91	CS601S	Seminar	0	0	4	4	Prof. Ramchandra Phawade	No slot required		PG-only
		Parametrized Algorithms and Complexity								
92	CS604T	Parametrized Algorithms and Complexity	3	0	0	6	Prof. Sandeep R. B.	I	LG 03	
93	CS615T	Natural Language Processing	3	0	0	6	Prof. Konjengbam Anand	K	006	
94	CS702P	MTech Technical Project – II	0	0	6	6	Prof. Ramchandra Phawade	No slot required		PG-only
95	EE101L	Digital Circuits Laboratory (S3)	0	0	3	3	Prof. Naveen Kadavinti	L		
96	EE101L	Digital Circuits Laboratory (S2)	0	0	3	3	Prof. Ruma Ghosh	H3,I3,J3		
97	EE101L	Digital Circuits Laboratory (S1)	3	0	0	3	Prof. Ruma Ghosh	H2,I2,J2		
98	EE103T	Digital Systems (S1)	2	1	0	6	Prof. Ruma Ghosh	C	101	
99	EE103T	Digital Systems (S1)	2	1	0	6	Prof. Samatha Benedict	C	105	

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
100	EE104T	Network Theory	2	1	0	6	Prof. Amarkumar Ayodhyasingh Kushwaha	B	107	
101	EE105T	Electronic Devices (2nd Half)	3	0	0	3	Prof. Vigneshwara Raja P.	D	010	
102	EE202L	Electrical Machines and Power Electronics Lab (S1)	0	0	3	3	Prof. Sairam Boggavarapu	H1,I1,J1		
103	EE202L	Electrical Machines and Power Electronics Lab (S1)	0	0	3	3	Prof. Satish Naik Banavath	H1,I1,J1		
104	EE202T	Introduction to Electrical Machines (1st Half)	3	0	0	3	Prof. Satish Naik Banavath	F	101	
105	EE203L	Control Systems Engineering Lab	0	0	3	3	Prof. Ameer Kalandar Mulla	H3,I3,J3		
106	EE203T	Introduction to Power Electronics (1st Half)	3	0	0	3	Prof. Animesh Kumar Sahoo	A	LG 03	
107	EE206T	Introduction to Power Systems (2nd Half)	2	0	2	3	Prof. Pratyasa Bhui	A	LG 06	
108	EE208T	Control Systems Engineering	3	0	0	6	Prof. Gopal Krishna Kamath M.	E	101	
109	EE209T	Introduction to modern communication systems	2	0	2	6	Prof. Gopal Krishna Kamath M.	D + H2,J2	006	
110	EE301L	Electronics Design Lab (S1)	3	0	0	6	Prof. Abhijit Kshirsagar	B1,C1,S1 + M		
111	EE301L	Electronics Design Lab (S1)	3	0	0	6	Prof. Naveen Kadavinti	B1,C1,S1 + M		
112	EE301P	Research and development project	0	0	6	6	Prof. Naveen M B	No slot required		
113	EE302P	Research and development project II	0	0	6	6	Prof. Naveen M B	No slot required		
114	EE303L	Control systems design lab	0	0	3	3	Prof. Ameer Kalandar Mulla	No slot required		
115	EE401P	B. Tech. project EE	0	0	6	6	Prof. Naveen M B	No slot required		
116	EE402P	B. Tech. project EE II	0	0	6	6	Prof. Naveen M B	No slot required		
117	EE601L	Neural networks and deep learning (NNDL) laboratory	0	0	3	3	Prof. Rahul Jashvantbhai Pandya	L		
118	EE601S	M. Tech seminar	0	0	4	4	Prof. Naveen M B	No slot required		
119	EE601T	Information theory	3	0	0	6	Prof. B. N. Bharath	J	LG 08	
120	EE602C	Design of photovoltaic systems	2	0	2	6	Prof. Satish Naik Banavath	B1 + B3 +BC2	LG 06	
121	EE603T	Analog IC Design	3	0	0	6	Prof. Naveen Kadavinti	No slot required	PG-only	
122	EE604C	Advanced digital system design	2	0	2	6	Prof. Samba Raju Chiluveru	E + L	111	
123	EE605L	Power system simulation lab (S1)	0	0	3	3	Prof. Animesh Kumar Sahoo	L		
124	EE605L	Power system simulation lab (S1)	0	0	3	3	Prof. Pratyasa Bhui	L		

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
125	EE606T	Wireless communication	3	0	0	6	Prof. Rajshekhar Vishweshwar Bhat	I	109	
126	EE608T	Neural networks and deep learning	3	0	0	6	Prof. Rahul Jashvantbhai Pandya	K	010	
127	EE611T	Optimization theory and algorithms	3	0	0	6	Prof. Naveen M B	F	LG 10	
128	EE613T	VLSI Technology	3	0	0	6	Prof. Naveen Kadavinti	F	LG 08	
129	EE616T	System design of electronic product	3	0	0	6	Prof. Abhijit Kshirsagar	F	LG 05	Registration from backend. Not to be opened for registration on CIMS.
130	EE617T	Mixed signal VLSI design	3	0	0	6	Prof. Nagaveni S	J	105	
131	EE619T	Advanced topics in control systems	3	0	0	6	Prof. Ameer Kalandar Mulla	E	LG 03	
132	EE623T	VLSI testing and testability	3	0	0	6	Prof. Saroj Mondal	E	107	
133	EE626T	Power semiconductor devices	3	0	0	6	Prof. Vigneshwara Raja P.	I	LG 08	
134	EE628T	Design of magnetic components for power electronics	3	0	0	6	Prof. Sairam Boggavarapu	E	105	
135	EE630T	Computer vision and digital image processing	3	0	0	6	Prof. Shashaank Aswatha Mattur	C2+C3+S2	006	
136	EE633T	RF Microelectronics	3	0	0	6	Prof. Saroj Mondal	H	307	Registration from backend. Not to be opened for registration on CIMS.
137	EE634T	Detection and estimation theory	3	0	0	6	Prof. B. N. Bharath	B	LG 03	
138	EE702P	M. Tech. project - II					Prof. Naveen M B	No slot required		PG-only
139	EE702T	Modelling and control of inverter-based resources for grid integration (S1)	3	0	0	6	Prof. Animesh Kumar Sahoo	H	006	PG-only
140	EE702T	Modelling and control of inverter-based resources for grid integration (S1)	3	0	0	6	Prof. Pratyasha Bhui	H	006	PG-only

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
141	EE801S	Seminar	0	0	4	4	Prof. Naveen M B	No slot required		PG-only
142	HS403T	Happiness and Well-Being	2	1	0	6	Prof. B L Tembe	H	101	
143	HS404T	Applied Ethics	3	0	0	6	Prof. Jolly Thomas	H	LG 08	
144	HS406T	Introduction to Game Theory	3	0	0	6	Prof. Gopal Sharan Parashari	H	109	
145	HS411T	Introduction to Literature	3	0	0	6	Prof. Ridhima Tewari	H	001	
146	HS417T	Basic Econometrics	3	0	0	6	Prof. Debalina Chakravarty	H	006	
147	HS420T	International Finance	3	0	0	6	Prof. Mohana Rao Balaga	H	111	
148	HS602T	Literary Theory and Criticism	3	0	0	6	Prof. Ridhima Tewari	No slot required		PG-only
149	HS603T	Interdisciplinary Approaches to Literary Research	3	0	0	6	Prof. Ridhima Tewari	No slot required		PG-only
150	HS604T	Advanced Econometrics/ Econometrics	3	0	0	6	Prof. Mohana Rao Balaga	No slot required		PG-only
151	HS607T	Research Methodology in Humanities and Social Sciences	3	0	0	6	Prof. Debalina Chakravarty	No slot required		PG-only
152	HS608T	Principles of Microeconomics	3	0	0	6	Prof. Gopal Sharan Parashari	No slot required		PG-only
153	HS609T	Applied Game Theory	3	0	0	6	Prof. Gopal Sharan Parashari	No slot required		PG-only
154	HS617T	Economics of Climate change (S1)	3	0	0	6	Prof. Debalina Chakravarty	No slot required		
155	HS617T	Economics of Climate change (S1)	3	0	0	6	Prof. Gopal Sharan Parashari	No slot required		
156	HS802T	Seminar II	0	0	0	4	Prof. Jolly Thomas	No slot required		PG-only
157	MA103T	Differential Equations-I	3	1	0	4	Prof. Amlan Kusum Barua/Prof. Veekesh Kumar	E+F2		2024 Batch only
158	MA107T	Advanced Linear Algebra	2	1	0	6	Prof. Sagnik Sen	A	107	M&C
159	MA109T	Linear Algebra and Differential Equations (S1)	3	1.5	0	9	Prof. Amlan Kusum Barua	E + F2		106
160	MA109T	Linear Algebra and Differential Equations (S1)	3	1.5	0	9	Prof. Veekesh Kumar	E + F2		106
161	MA111T	Calculus and Vector Calculus (S1)	3	0	0	6	Prof. Keerthi M. C.	E	LG 10	
162	MA111T	Calculus and Vector Calculus (S1)	3	0	0	6	Prof. Tejas Prakash Gotkhindi	E	LG 10	
163	MA203T	Introduction to Numerical Methods (1st Half)	3	1	0	4	Prof. Dhiraj V Patil	D + C1		109
164	MA204T	Introduction to Numerical Linear Algebra (1st Half)	3	1	0	4	Prof. Sangamesh Deepak R.	F + H1		105
165	MA302T	Real Analysis (S1)	2	1	0	6	Prof. Amlan Kusum Barua	C	107	

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
166	MA302T	Real Analysis (S1)	2	1	0	6	Prof. Veekesh Kumar	C	107	
167	MA303T	Group Theory	2	1	0	6	Prof. Shraddha Srivastava	B	105	
168	MA402L	Statistics Laboratory	0	0	3	3	Prof. Naveen M B	No slot required		Open for 4th sem BS (Maths)
169	MA402T	Statistics	3	0	0	6	Prof. G Ravindran (Prof. Sagnik Sen)	H2,J2 + S2	309	BSMS
170	MA406T	General Topology	2	1	0	6	Prof. Akhil Ranjan (Prof. Sagnik Sen)	No slot required		Open for 8th sem B. Tech. (MC)
171	MA408T	Introduction to Mathematical Finance 2	3	0	0	6	Prof. G Ravindran (Prof. Sagnik Sen)	F	LG 06	Open to 6th and 8th sem B. Tech. (MC)+ BS Maths
172	MA503T	Fields and Galois Theory	2	1	0	6	Prof. Shreedevi Masuti	No slot required		All UG
173	MA601S	Seminars	0	0	4	4	Prof. Sagnik Sen	No slot required		PG-only
174	MA601T	Introduction to Algebraic Geometry	3	0	0	6	Prof. Shreedevi Masuti	No slot required		All UG+PG
175	MA602T	Measure Theory	2	1	0	6	Prof. Dhriti Ranjan Dolai	B	310	M&C
176	MA602T	Measure Theory	2	1	0	6	Prof. Dhriti Ranjan Dolai	No slot required		M&C
177	MA602T	Analysis of Several Variables				6	Prof. Akhil Ranjan (Prof. Sagnik Sen)	No slot required		Open to 6th and 8th sem B. Tech. (MC)
178	MA610T	Introduction to Representation Theory	3	0	0	6	Prof. Shraddha Srivastava	No slot required		All UG+PG
179	MA612T	Introduction to graduate algebra	3	1	0	8	Prof. Shreedevi Masuti	No slot required		PG-only
180	MA623T	Introduction to diophantine approximation	3	0	0	6	Prof. Veekesh Kumar	No slot required		All UG+PG
181	MA624T	Introduction to Lie Algebra	3	0	0	6	Prof. Shraddha Srivastava	No slot required		PG-only
182	MA625T	Irrational and transcendental number theory	3	0	0	6	Prof. Veekesh Kumar	No slot required		PG-only
183	MA702T	Differential Topology	3	0	0	6	Prof. Shreedevi Masuti	No slot required		PG-only
184	ME101C	Engineering Graphics Laboratory (S1)	1	0	3	5	Prof. Amar Keshav Gaonkar	F1+H1,I1,J1+H2,I2,J2 +L	111	

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
185	ME101C	Engineering Graphics Laboratory (S3)	1	0	3	6	Prof. Omkar Baswaraj Bembalge	F1+H1,I1,J1+H2,I2,J2+L	109	
186	ME101C	Engineering Graphics Laboratory (S2)	1	0	3	5	Prof. Rakesh Lingam	F1+H1,I1,J1+H2,I2,J2+L	107	
187	ME101L	Hands on Engineering Laboratory (S1)	0	0	3	3	Prof. Anbukkarasi R	H1,I1,J1+H2,I2,J2+L		
188	ME101L	Hands on Engineering Laboratory (S3)	0	0	3	3	Prof. Hiranya Deka	H1,I1,J1+H2,I2,J2+L		
189	ME101L	Hands on Engineering Laboratory (S1+S2+S3)	0	0	3	3	Prof. Konjengbam Anand	H1,I1,J1+H2,I2,J2+L		
190	ME101L	Hands on Engineering Laboratory (S1+S2+S3)	0	0	3	3	Prof. Saroj Mondal	H1,I1,J1+H2,I2,J2+L		
191	ME101L	Hands on Engineering Laboratory (S2)	0	0	3	3	Prof. Satyapriya Gupta	H1,I1,J1+H2,I2,J2+L		
192	ME103T	Engineering Metrology and Measurements (1st Half)	3	0	0	3	Prof. Somashekara M. A.	D	105	
193	ME201T	Engineering Mechanics	2	1	0	6	Prof. Omkar Baswaraj Bembalge	B	101	
194	ME202L	Fluid Mechanics Laboratory (S1)	0	0	3	3	Prof. Ramjee Repaka	L		
195	ME202L	Fluid Mechanics Laboratory (S1)	0	0	3	3	Prof. Somil Yadav	L		
196	ME202L	Fluid Mechanics Laboratory (S1)	0	0	3	3	Prof. Surya Prakash Ramesh	L		
197	ME202T	Engineering Materials	2	1	0	6	Prof. Anbukkarasi R	D	111	
198	ME204L	Solid Mechanics Laboratory	0	0	3	3	Prof. Chinthapalli Hemanth Kumar	E2,F2		
199	ME204T	Manufacturing Processes-I	3	0	0	6	Prof. Vyom Sharma	A	105	
200	ME206L	Manufacturing processes Laboratory	0	0	3	3	Prof. Vyom Sharma	L		
201	ME206T	Thermodynamics	3	0	0	6	Prof. Keerthi M. C.	C	003	
202	ME207L	Mechanics and Measurement Lab	1	0	3	5	Prof. Sudheer Siddapureddy	L + C1		
203	ME207T	Mechanical Measurements	3	0	0	6	Prof. Sudheer Siddapureddy	E	LG 08	
204	ME208L	Control Systems and Laboratory	2	0	2	6	Prof. Punnag Chatterjee	B + L	001	
205	ME209T	Heat Transfer	2	1	0	6	Prof. Ramjee Repaka	C	001	
206	ME301L	Kinematics and Dynamics of Machinery Laboratory	0	0	3	3	Prof. Sangamesh Deepak R.	M		
207	ME301P	Research and Development Project	0	0	6	6	Prof. Rakesh Lingam	No slot required		

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
208	ME302L	Applied Thermodynamics Laboratory (S1)	0	0	3	3	Prof. Dhiraj V Patil	E1,F1		
209	ME302L	Applied Thermodynamics Laboratory (S1)	0	0	3	3	Prof. Hiranya Deka	E1,F1		
210	ME302P	Research and Development Project II	0	0	6	6	Prof. Rakesh Lingam	No slot required		
211	ME304T	Theory of Machines	2	1	0	6	Prof. Sangamesh Deepak R.	A	LG 08	
212	ME305T	Introduction to Aerospace Engineering	3	0	0	6	Prof. Prahlad S Joshi	H	003	
213	ME401P	B.Tech. Project-ME	0	0	6	6	Prof. Rakesh Lingam	No slot required		
214	ME403L	B.Tech Project ME - II	0	0	6	6	Prof. Rakesh Lingam	No slot required		
215	ME604T	Advanced Heat Transfer	3	0	0	6	Prof. Surya Prakash Ramesh	J	111	
216	ME605T	Introduction to Turbulence and its Modelling	3	0	0	6	Prof. Dhiraj V Patil	H	107	
217	ME606T	Advanced Finite Element Methods	3	0	0	6	Prof. Amar Keshav Gaonkar	B	LG 05	
218	ME607T	Multiphase Flow	3	0	0	6	Prof. Hiranya Deka	C	LG 06	
219	ME654T	Mechanics of Machining and Forming	3	0	0	6	Prof. Rakesh Lingam	H	LG 06	
220	ME654T	Mechanics of Machining and Forming	3	0	0	6	Prof. Vyom Sharma	H	LG 06	
221	ME655T	Modeling and Simulation in Materials and Manufacturing	3	0	0	6	Prof. Satyapriya Gupta	D	LG 08	
222	ME655T	Modeling and Simulation in Materials and Manufacturing	3	0	0	6	Prof. Sushanta Kumar Sethi	D	LG 08	
223	ME656T	Mechatronics and Robotics	2	0	2	6	Prof. Punnag Chatterjee	I	107	
224	ME656T	Mechatronics and Robotics	2	0	2	6	Prof. Samarth Shankar Raut	I	111	
225	ME657T	Design of Mechanical Transmission Systems	3	0	0	6	Prof. Tejas Prakash Gotkhindi	J	LG 06	PG-only
226	ME667T	Advanced Materials Characterization Techniques	3	0	0	6	Prof. Satyapriya Gupta	J	LG 03	
227	ME667T	Advanced Materials Characterization Techniques	3	0	0	6	Prof. Sushanta Kumar Sethi	J	LG 03	
228	ME669T	Computational Geometry Algorithms for Robotics	3	0	0	6	Prof. Samarth Shankar Raut	H	LG 03	

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
229	ME672T	Additive Manufacturing	3	0	0	6	Prof. Somashekara M. A.	I	LG 06	
230	ME701C	Experimental Theory & Laboratory	1	0	3	5	Prof. Hiranya Deka	E2,F2		PG-only
231	ME701C	Experimental Theory & Laboratory	1	0	3	5	Prof. Omkar Baswaraj Bembalge	E2,F2		PG-only
232	ME701C	Experimental Theory & Laboratory	1	0	3	5	Prof. Tejas Prakash Gotkhindi	E2,F2		PG-only
233	ME701S	Practicum	0	0	3	3	Prof. Keerthi M. C.	No slot required		PG-only
234	ME701T	Experimental Methods in Thermal and Fluids Engineering	3	0	0	6	Prof. Sudheer Siddapureddy	A	208	PG-only
235	ME702P	M.Tech. Project - II					Prof. Keerthi M. C.	No slot required		PG-only
236	ME702S	Seminar	0	0	4	4	Prof. Keerthi M. C.	No slot required		PG-only
237	NO107/ NO105/ NO 106/ NO 108	NSO/NSS/NCC/NCA	0	0	2	2	Mr. Ramesh G, Dr. Keerti Kumar, Mr. Ravi Galimath, Prof. Jolly Thomas			
238	PH102T	Electricity and Magnetism	2	1	0	6	Prof. Kavita Devi	D	101	
239	PH301L	General Physics Laboratory	0	0	3	3	Prof. Santosh Kumar	M		
240	PH301P	Research and Development Project-I	0	0	6	6	Prof. Kavita Devi	No slot required		
241	PH304T	Mathematical Physics-I	2	1	0	6	Prof. D Narasimha	B	308	BSMS Maths
242	PH305T	Statistical Physics	2	1	0	6	Prof. Koushik Saha	A	LG 05	
243	PH401P	B.Tech.Project -EP I	0	0	6	6	Prof. Koushik Saha	No slot required		
244	PH401T	Quantum Mechanics - II	2	1	0	6	Prof. R. Prabhu	D	LG 05	
245	PH402P	B.Tech.Project -EP II	0	0	6	6	Prof. Santosh Kumar	No slot required		
246	PH402T	Condensed Matter Physics	2	1	0	6	Prof. Santosh Kumar	J	107	Exam in E
247	PH404P	Research and Development Project-II	0	0	6	6	Prof. Koushik Saha	No slot required		
248	PH414T	Atomic and Molecular Physics	2	1	0	6	Dr. Rimi Banerjee (Prof. Kavita Devi)	H		
249	PH415T	Special Theory of Relativity	2	1	0	6	Prof. D Narasimha	I	101	
250	PH418T	Experimental Techniques	2	1	0	6	Prof. Dhriti Sundar Ghosh	C	307	
251	PH601P	Research Project in Physics	2	1	0	6	Prof. Koushik Saha	No slot required		PG-only
252	PH601S	Research Seminar-I	0	0	4	4	Prof. Dhriti Sundar Ghosh	No slot required		PG-only
253	PH602S	Research Seminar-II	0	0	4	4	Prof. Santosh Kumar	No slot required		PG-only
254	PH603T	Silicon Photovoltaics	3	0	0	6	Prof. Dhriti Sundar Ghosh	No slot required		PG-only
255	PH605T	Radiative Processes in Astrophysics	3	0	0	6	Prof. D Narasimha	No slot required		

All the courses (Electives and Core courses)										
SI No	Course Code	Course Name	L	T	P	C	Faculty	Allotted Slot	Venue	Remarks
256	PH701T	Photonics: Fundamentals and Technology	2	1	0	6	Prof. Kavita Devi	No slot required		PG-only
257	PH703T	Spectroscopy	2	1	0	6	Prof. Koushik Saha	No slot required		PG-only
258	PH705T	Superconductivity and Magnetism	2	1	0	6	Prof. Santosh Kumar	No slot required		PG-only
259	PH706T	Quantum Computation	2	1	0	6	Prof. R. Prabhu	No slot required		PG-only
260	PH801T	Quantum Information Theory	2	1	0	6	Prof. R. Prabhu	No slot required		PG-only
261	PH803T	Tunable Coherent Optical Devices	2	1	0	6	Prof. Kavita Devi	No slot required		PG-only
262	PH804T	Molecular Dynamics Imaging: Methodologies and Applications	3	0	0	6	Prof. Koushik Saha	No slot required		PG-only
263	PH805T	Third Generation Photovoltaics: Materials, Integration and Devices	3	0	0	6	Prof. Dhriti Sundar Ghosh	No slot required		PG-only