

Indian Institute of Technology Palakkad

Slot System - Aug-Dec 2023

	08:00-08:50	09:00-09:50	10:00-10:50	11:00-11:50	12:05-12:55	13:00-13:50	14:00-15:15	15:30-16:45	17:10-18:00	
Mon	M1	A	B	C	H	Lunch Break	I	J	E1	
			PM1				PA1			
Wed	M3	A	B	C	H		Q	R	EML from 16:00	
			PM3				PA3			
Fri	M5	A	B	C	H		I	J	E5	
			PM5				PA5			

	08:00-08:50	09:00-10:15	10:30-11:45	12:00-12:50	13:00-13:50	14:00-15:15	15:30-16:45	17:10 to 18:00
Tue	M2	F	G	D	Lunch Break	K	L	E2
		PM2					PA2	
Thu	M4	F	G	D		K	L	E4
		PM4					PA4	

Slot Overview

Note - Numbers in slot names refer to the day of the week i.e., 1=Monday, 2=Tuesday, etc.
Example: in slot PA5, 5 stands for Friday. Similarly, in M3, 3 stands for Wednesday.

A, B, C and H - 3 credit slots (3*50 mins each)

F, G, I, J, K, and L - 3 credit slots (2*75 mins each)

D is a 2 credit slot (2*50 mins)

M1-M5, E1-E2, E4-E5, Q, and R are 1 credit slots (50 mins each)

PM1, PM3 and PM5 are morning lab slots (10:00 hrs to 12:45 hrs)

PM2 and PM4 are morning lab slots (9:00 hrs to 11:45 hrs)

PA1, PA2, PA4, PA5 are afternoon lab slots of 2hr 45min (14:00 hrs to 16:45 hrs)

PA3 is an afternoon lab slot of 1hr 50 min (14:00 hrs to 13:50 hrs)

B. Tech. Semester I

Code	Course Name	Category	Credits		Slot	Room/Batches
PH1030	Physics		2-1-0-3	Bibhu Ranjan Sarangi Soham Manni Moumita Nandi	A	Ahalia A-33 (B1-B4)
						Ahalia A-18 (B5-B8)
						Ahalia A-112 (B9-B12)
MA1011	Linear Algebra and Series		3-1-0-4	Sarath Sasi Gopikrishnan C R Parangama Sarkar	F + M1	Ahalia A-33 (B1-B4)
						Ahalia A-18 (B5-B8)
						Ahalia A-112 (B9-B12)
ID1010	Ecology and Environment		2-0-0-2	Athira P (coordinator) Praveena (Other faculty ?)	D	Ahalia A-Aud (B6-B12) (~120 students) (150 seater classroom)
						Ahalia A-112 (B1-B5) (~80 students) (90 seater classroom)
ME1130	Engineering Drawing		1-0-3-3	Pramod Kuntikana (ME) Arijit Hazra (ME) Ganesh Natarajan (ME) Veena Venudharan (Civ)	M3	Ahalia A-33 (B1-B3)
						Ahalia A-18 (B10-B12)
						Ahalia A-112 (B7-B9)
						Ahalia A-Aud (B4-B6)
					PA1	Ahalia Drawing Hall (B1-B3)
					PA2	Ahalia Drawing Hall (B10-B12)
					PA4	Ahalia Drawing Hall (B7-B9)
PA5	Ahalia Drawing Hall (B4-B6)					
continued...						

ID1050A	Engineering Design		1-0-3-3	Anoop A	M5	Ahalia A-Aud (B1-B12)
					PM1	(B10-B12)
					PM3	(B7-B9)
					PA4	(B4-B6)
					PM5	(B1-B3)
ME1150	Mechanical Workshop		0-0-3-2	Kesavan D	PA1	Ahalia Workshop (B4-B6)
					PA2	Ahalia Workshop (B1-B3)
					PA4	Ahalia Workshop (B10-B12)
					PA5	Ahalia Workshop (B7-B9)
PH1130	Physics Lab		0-0-3-2	Uma Divakaran	PA2	(B4-B6)
					PA4	(B1-B3)
CY1130	Chemistry Lab		0-0-3-2	Shanmugaraju S	PA1	(B7-B9)
				Abdul Rasheed P	PA5	(B10-B12)

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B. Tech. Common Courses Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
MA2020	Differential Equations	MAE	3-0-0-3	C R Jayanarayanan	F	A01-002 (EE,CS)
				G P Balakumar		N 204 (CE,ME,DS)
MA2030	Complex Variables	MAE	3-0-0-3	Rohith Varma	F	A01-103
BT2010	Life Sciences	BSE	2-0-0-2	Abdul Rasheed	D	N 305 (CE,ME)
				Sushabhan Sadhukhan		A01-001 (DS)
HS2302	Introduction to Language and Society (40)	HSE	3-0-0-3	Reenu Punnoose	H	A01-002
HS2304	Culture and Gender Performativity (30)	HSE	3-0-0-3	G. Sujatha	H	N 204
HS2335	Psychology and Life (40)	HSE	3-0-0-3	Sudarshan R Kottai	H	A01-102
HS2334	Japanese A1 (35)	HSE	3-0-0-3	Reenu (co-ordinator)	G	N 306

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B. Tech. General Category Elective (GCE)

Code	Course Name	Category	Credits	Faculty/Coordinator	Slot	Room
HS4606	Media, Identity and the Self (50)	GCE	3-0-0-3	G. Sujatha	G	A01-102
HS4603	Public Economics: Theory and Practice (40)	GCE	3-0-0-3	Amrita Roy	G	N 305
HS5XXX	Mental Health and Society in the Global South (yet to be approved) (50)	GCE	3-0-0-3	Sudarshan R Kottai	G	N 204
HS4XXX	Indian Villages: Change and Continuity (yet to be approved) (40)	GCE	3-0-0-3	Rahul Choragudi	G	A01-002
MA5005	Groups and Rings	GCE	4-0-0-4	Arpan Kabiraj	G+E5	N 303
EE4505	Robot Implementation Methods (40)	GCE	2-0-2-3	Vijay Muralidharan	G	A01-118
ES5501	Plant Ecophysiology	GCE	3-0-0-3	Deepak Jaiswal	G	A01-001

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B. Tech. Civil Engineering Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
BT2010	Life Sciences	BSE	2-0-0-2	See B.Tech. Common Courses Slot Allocation		
HSXXXX	Humanities Elective	HSE	3-0-0-3			
MAXXXX	Science and Mathematics Elective	SME	3-0-0-3			
	Open Elective	OE	3-0-0-3			
CE2080A	Surveying Theory and Practice		2-0-2-3	Subhasis Mitra	A PA2	N 301 N 301
CE2010	Strength of Materials		2-1-0-3	Gokulnath C	B	N 301
CE2030A	Introduction to Civil Engineering Materials		2-0-2-3	Sunitha K Nayar	C PA4	N 301 N Civil Lab
CE2150	Building Drawing and Modeling		0-0-2-1	Madhu Karthik	PA5	N CC Comp lab (48)

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B. Tech. Civil Engineering Semester V

Code	Course Name	Category	Credits	Faculty	Slot	Room
XXXXX	General Category Elective	GCE	3-0-0-3	See B.Tech. Common Courses Slot Allocation		
CE3010	Transportation Engineering		3-0-0-3	B. K. Bhavathrathan	I	N 303
CE3030	Environmental Engineering		3-1-0-4	Praveena Gangadharan	A, M5	N 303
CE3050	Basic Reinforced Concrete Design		3-1-0-4	Madhu Karthik	B, E2	N 303
CE3070	Geotechnical Engineering		3-1-0-4	Divya P V	C, M2	N 303
CE3090	Water Resources Engineering		3-1-0-4	Sarmistha Singh	J, M4	N 303
CE3110	Construction Materials Laboratory		0-0-3-2	Veena Venudharan	PA2	N Civil Lab
	Additional PME	PME	3-0-0-3	See PME/ERC courses		

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B. Tech. Civil Engineering Semester VII

Code	Course Name	Category	Credits	Faculty	Slot	Room
XXXXX	General Category Elective	GCE	3-0-0-3	See B.Tech. Common Courses Slot Allocation		
CE4110	Project I	PMP	0-0-3-3	Athira P.	-	-
CE4170	Structural Engineering Laboratory	PMP	0-0-3-2	Sanjukta Chakraborty	PA1	N Civil Lab
	PME		3-0-0-3	See PME/ERC courses		
	PME*		1-0-3-3			

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Civil Engineering PME/ERC Courses

Code	Course Name	Credits	Faculty	Slot	Room	Availability
CE4511	Irrigation Engineering	3-0-0-3	Athira P.	H	N 303	S5, S7
CE5617	BIM for Construction Management	1-0-3-3	Senthilkumar V	M1 PA2	N 301 N CC Comp Lab (48)	S7
CE5511	Advanced Design of Metal Structures	3-0-0-3	M.V.Anil Kumar	K	N 307	S7, MS, PhD
CE5516	Optimization Techniques in Engineering	3-0-0-3	B. K. Bhavathrathan	F	N 303	S5, S7, MTech, MS, PhD
CE5513	Structural Dynamics	3-0-0-3	Sanjukta Chakraborty	C	N 307	S7, MS, PhD
CE5005	Geotechnical Investigations and Instrumentation	3-0-0-3	Sudheesh T. K.	B	N 307	S7, MTech, MS, PhD
CE5607	Ground Improvement	3-0-0-3	Divya P. V.	K	N 303	S7, MTech, MS, PhD
CE5625	Structural Reliability	3-0-0-3	Arun C O	D, M3	N 303	S5, S7, MS, PhD, MTech
CE5521	Rock Engineering	3-0-0-3	Ankesh Kumar	L	N 307	S7, MTech, MS, PhD

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B. Tech. Computer Science and Engineering Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room	
MAXXXX	Mathematics Elective	SME	3-0-0-3	See B. Tech. Common Courses Slot Allocation			F
HSXXXX	Humanities Elective	HSE	3-0-0-3				H
	Open Elective	OE	3-0-0-3				G
CS2020A	Discrete Mathematics		3-1-0-4	Deepak Rajendraprasad	B+Q	A01-002	
CS2011	Foundations of Computing Systems		3-0-0-3	Sandeep Chandran	A	A01-002	
CS2111	Foundations of Computing Systems Lab		0-0-3-2	Sandeep Chandran	PA4	N CS Comp Lab (70)	
CS2013	Systems Programming		1-0-3-3	Albert Sunny	E2 PA2	N 204 N CS Comp Lab (70)	

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B. Tech. Computer Science and Engineering Semester V

Code	Course Name	Category	Credits	Faculty	Slot	Room	
XXXXX	General Category Elective	GCE	3-0-0-3	See B.Tech. Common Courses Slot Allocation			G
CS3010	Operating Systems		3-0-0-3	Jasine Babu	B	A01-102	
CS3110	Operating Systems Laboratory		0-0-3-2	Jasine Babu, Dinesh K	PA1	N CS Comp Lab (70)	
CS3030	Paradigms of Programming		3-0-0-3	Piyush Kurur	D+E5	A01-102	
CS3130	Paradigms of Programming Laboratory		0-0-3-2	Piyush Kurur, Unnikrishnan C	PA5	A01 Comp Lab 1	
CS3050	Theory of Computation		3-1-0-4	Dinesh K	A+E4	A01-102	
	PME		3-0-0-3	See CSE PME/ERC Courses			
	PME*		3-0-0-3				
CS3100	Internship	CWC					

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B. Tech. Computer Science and Engineering Semester VII

Code	Course Name	Category	Credits	Faculty	Slot	Room
xxxxx	General Category Elective	GCE	3-0-0-3	See B.Tech. Common Courses Slot Allocation		
CS4010	Computer Networks		3-0-0-3	Anish Hirwe	B	A01-212
CS4150	Computer Networks Laboratory		0-0-3-2	Anish Hirwe	PA1	A01 Comp Lab 1
CS4110	Project Phase 1		3		-	-
	PME					
	PME					
	PME*					
CS3100	Internship	CWC				

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B. Tech. Computer Science and Engineering PME/ERC Courses

Code	Course Name	Credits	Faculty	Slot	Room	Availability
CS5627	Proofs, Programs and Types	3-0-0-3	Piyush Kurur	L	A01-102	S5, S7, PhD
DS5XXX	Natural Language Processing / Information Retrieval (40)	3-0-0-3	Koninika Pal	K	A01-001	S5, S7, PhD
CS5613	Cryptography	3-0-0-3	Srimanta Bhattacharya	F	A01-102	S5, S7, PhD
CS5005	Parallel Programming	3-0-0-3	Unnikrishnan Cheramangalath	K	A01-102	S5, S7, PhD
DS5602	Computer Vision (30)	3-0-2-4	Satyajit Das	F	A01-001	S7, PhD
CS5617	Software Engineering	1-0-3-3	Ramaswamy Krishnan	PA5	Nila CS lab (70)	S7
	Introduction To Machine Learning	3-0-0-3		NPTEL	-	S5, S7
	Reinforcement Learning	3-0-0-3		NPTEL	-	S5, S7
	Social Network Analysis	3-0-0-3		NPTEL	-	S5, S7
	Cloud Computing	3-0-0-3		NPTEL	-	S5, S7

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B. Tech. Data Science Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
XXXXX	UG Common Courses	See Semester I UG common courses				
DS1010	Introduction to Data Science		1-0-0-1	Narayanan C K (coordinator)	M4	

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B. Tech. Data Science Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
BT2010	Life Sciences	BSE	2-0-0-2	See B. Tech. Common Courses Slot Allocation		
MAXXXX	Mathematics Elective	SME	3-0-0-3			
HSXXXX	Humanities Elective	HSE	3-0-0-3			
CS2020A	Discrete Mathematics		3-1-0-4	Deepak Rajendraprasad	B and Q	A01-002
DS2010	Introduction to Optimization		3-0-0-3	Sahely Bhadra	I	A01-001
DS2030	Data Structures and Algorithms for Data Science		3-0-3-5	Narayanan C Krishnan (Coordinator) Satyajit Das	A and PA2	A01-001, A01 Comp Lab 1

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B. Tech. Electrical Engineering Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
XXXXX	Science and Mathematics Elective	SME	3-0-0-3	See B.Tech. Common Courses Slot Allocation		
EE2070	Digital Systems	Core	3-0-2-4	Subrahmanyam Mula M. Sabarimalai Manikandam	G PA4	A01-103 N Electron. Lab
EE2030A	Electrical and Magnetic Circuits	Core	3-0-0-3	Anirudh Guha	C	A01-103
EE2050A	Signals and Systems	Core	3-0-0-3	M. Sabarimalai Manikandan	A	A01-103
EE3010A	Solid State Devices	Core	3-0-0-3	Revathy Padmanabhan	H	A01-103
EE2060A	Engineering Electromagnetics	Core	3-0-2-4	Sukomal Dey	B PA2	A01-103 N Electron. Lab

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B. Tech. Electrical Engineering Semester V

Code	Course Name	Category	Credits	Faculty	Slot	Room
XXXXX	General Category Elective	GCE	3-0-0-3	See B.Tech. Common Courses Slot Allocation		
EE3010	Solid State Devices	Core	3-1-0-4	Arvind Ajoy	B + M3	A01-118
EE3030	Measurements and Instrumentation	Core	2-1-0-3	Sreenath Vijayakumar	A	A01-118
EE3050	Analog and Digital Communication Systems	Core	3-1-0-4	Jobin Francis	C + M5	A01-118
EE3170	Electrical Machines Laboratory	Core	0-0-3-2	Arun Rahul Naga Brahmendra	PA1	N EE Mach. Lab
EE3150	Analog Circuits Laboratory	Core	0-0-3-2	Arvind Ajoy Sreenath V	PA5	N Electron. Lab
XXXXX	Honours courses	PME*	See EE PME/ERC courses			

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B. Tech. Electrical Engineering Semester VII

Code	Course Name	Category	Credits	Faculty	Slot	Room
XXXXX	General Category Elective	GCE	3-0-0-3	See B.Tech. Common Courses Slot Allocation		
EE4150	Control Systems Laboratory	Core	0-0-3-2	Shaikshavali C Sneha Gajbhiye	PM3	N CS Comp. Lab (70)
EE4170	Power Systems & Renewable Energy Laboratory	Core	0-0-3-2	Naga Brahmendra	PM5	N CS Comp. Lab (70)
EE4110	Project I	Core	0-0-3-3	Shaikshavali C		
	PME- 1	Elective	3	See EE PME/ERC courses		
	PME- 2	Elective	3			
	PME*	Elective	3			

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Electrical Engineering PME/ERC Courses

Code	Course Name	Credits	Faculty	Slot	Room	Availability
EE5005	Digital Image Processing (50)	2-0-2-3	Mahesh Panicker	I	A01-119	PME/ERC for S7 BTech/MTech SOCD/ MTech DS/MS/PhD
EE5531	Reinforcement learning based control	3-0-0-3	Shaikshavali C	F	A01-119	PME for S5, S7 BTech/MTech PEPS/ MTech DS/MS/PhD
EE5513	Power System Protection (40)	3-0-0-3	Manas Jena	J	A01-119	PME for S7 BTech/ MTech PEPS/MS/PhD
EE5608	Robot dynamics, control and motion planning	3-0-0-3	Sneha Gajbhiye	L	A01-119	PME for S5, S7 BTech/ MTech PEPS/MS/PhD
EE5001	RF Remote Sensing Systems	3-0-0-3	Swaroop Sahoo	K	A01-103	PME for S5, S7 BTech/MS/PhD/Physics MSc
EE5007	Linear Algebra for Engineers	3-0-0-3	Nikhil Krishnan M	L	A01-118	PME for S7 BTech/ MTech DS core/ MS/PhD
EE5021	Power Converter Analysis and Design	3-0-0-3	Naga Brahmendra	K	A01-119	PME for S7 BTech/ MS/PhD/ MTech PEPS core
EE5521	Optimal control	3-0-0-3	Shaikshavali C	-	contact mode	Only for MS/PhD
	See other courses in Mtech program sheets					MS/PhD

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B. Tech. Mechanical Engineering Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
BT2010	Life Sciences	BSE	2-0-0-2	See B.Tech. Common Courses Slot Allocation		
HSXXXX	Humanities Elective	HSE	3-0-0-3			
XXXXXX	Science and Mathematics Elective	SME	3-0-0-3			
	Open Elective	OE	3-0-0-3			
ME1020	Engineering Thermodynamics	PMC	3-0-0-3	Anand TNC	A	N 305
ME2070	Dynamics	PMC	2-0-0-2	KVN Surendra	C	N 305
ME2080A	Materials Science and Engineering	PMC	3-0-0-3	Buchibabu Vicharapu	B	N 305
ME2090	Mechanical Measurements: Theory and Practice	PMC	1-0-2-2	Vineed Narayanan	E2 PA2, PA3	N 305 N Mech Lab N Electron Lab

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B. Tech. Mechanical Engineering Semester V

Code	Course Name	Category	Credits	Faculty	Slot	Room
XXXXX	General Category Elective	GCE	3-0-0-3	See B.Tech. Common Courses Slot Allocation		
ME 3030	Combustion and I C Engines	PMT	3-1-0-4	Krishna Seshagiri	B+E2	N 306
ME 3090	Machine Tools and Metrology	PMT	3-0-0-3	Dinesh Setti S Kanmani Subbu	A	N 306
ME3050	Heat and Mass Transfer	PMT	3-1-0-4	Samarjeet Chanda	F+E4	N 306
ME3070	Design of Machine Elements	PMT	3-0-0-3	Sovan Lal Das	D+E1	N 306
ME3010	Measurements, Instrumentation and Control	PMT	3-0-0-3	Santhakumar Mohan	C	N 306
ME3190	Mechanical Engg. Lab I	PMP	0-0-3-2	Anand TNC Vineed Narayanan	PA1	N Mech Lab
XXXXX	Honours courses	PME*	See ME PME/ERC courses			

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B. Tech. Mechanical Engineering Semester VII

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Mechanical Engineering PME/ERC Courses

Code	Course Name	Credit	Faculty	Slot	Room	Availability
ME 5623	Mechanics and Control of Robotic Manipulators	3-0-0-3	Santhakumar Mohan	K	N 306	S5 and S7 BTech, MS and PhD
ME5625	Fundamentals of Acoustics	3-0-0-3	Anoop Akkoorath Mana	L	N 308	S7 BTech, MS and PhD
ME5627	Measurements in Thermo-fluids	2-0-3-4	Pramod Kuntikana & Prof. TS	K+PA3	N 308 N Electron Lab N Mech Lab	S7 BTech, M.Tech, MS and PhD
ME5614	Computational Fluid Dynamics	3-0-0-3	Arijit Hazra & Ganesh Natarajan	H	N 306	S5 and S7 BTech, MS and PhD

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M. Sc. Chemistry Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
GN5001	Communication and Technical Writing Skills	CWC	0		Q, R	N 204
CY5001	Principles in Chemistry		3-0-0-3	Dinesh Jagadeesan	C	A01-120
CY5003	Mathematics for Chemistry		3-0-0-3	Debarati Chattejee	G	A01-120
CY5015	Atomic and Molecular Structure		3-0-0-3	Rositha Kuniyil	B	A01-120
CY5005	Symmetry, Group Theory and Spectroscopy		3-0-0-3	Padmesh A	F	A01-120
CY5009	Structure and Properties of Molecules		3-0-0-3	Yuvaraj K	A	A01-120
CY5101	Synthesis, Energetics and Dynamics Lab 1		0-0-3-2	Mintu Porel	PA2	A01-CY Lab

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M. Sc. Chemistry Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
CY5120	Major project		3-0-0-3	Abdul Rasheed P	--	
CY5011	Dynamics of Charge Transport		3-0-0-3	Yugender Kotagiri	L	A01-120
CY5013	Synthetic Approaches in Chemistry		3-0-0-3	Mintu Porel	G	A01-214
CY5017	Chemistry of Life		3-0-3-2	Sushabhan Sadhukhan	K	A01-120
CY5103	Advanced Chemistry Laboratory		3-0-0-3	Padmesh A	PM5	A01 Comp Lab -2
CY5105	Mini Project		3-0-0-3	Priyakumari C P	--	
CY5501	Applications of Spectroscopy to Bio-molecules (Elective)		3-0-0-3	Supratik Sen Mojumdar	I	A01-120
CY5XXX	Bioinorganic Chemistry		3-0-0-3	Shanmugaraju Sankarasekaran	F	A01-214

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M. Sc. Mathematics Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
MA5001	Linear Algebra	PST	4-0-0-4	Rohith Varma	A+ E4	A01-018
MA5003	Real Analysis	PST	4-0-0-4	Lakshmi Sankar K	H + Q	A01-018
MA5005	Groups and Rings	PST	4-0-0-4	Arpan Kabiraj	G+E5	N 303
MA5007	Probability and Statistics	PST	4-0-0-4	M Ashok Kumar	F+E1	N 305
MA5009	Ordinary Differential Equations	PST	4-0-0-4	G P Balakumar	L + E2	A01-018

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M. Sc. Mathematics Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
GN5000	Communication and Technical Writing Skills	CWC	0		Q, R (Q+R)	N 204
MA6005	Functional Analysis	PST	4-0-0-4	Varadharajan Muruganandam	F, E4	A01-018 A01-001
MA6007	Partial Differential Equations	PST	4-0-0-4	Sarath Sasi	H, E1	A01-214
	Elective 1	OE*/PSE	3-0-0-3	Please see PSE list for PSE courses		
	Elective 2	PSE	3-0-0-3			
	Elective 3 / Project (level 1)	PSE	3-0-0-3			

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Mathematics PSE Courses

Code	Course Name	Credits	Faculty	Slot	Room	Availability
MA5601	Introduction to Commutative Algebra	3-0-0-3	Parangama Sarkar	L	A01-214	
MA 6608	Mathematical theory of finite elements	3-0-0-3	Gopikrishnan C R	B	A01-018	
MA5606	Riemann Surfaces	4-0-0-4	Jaikrishnan J	K	A01-018	
MA5011	Advanced Complex Analysis	3-0-0-3	Jaikrishnan J	I	A01-102	
MA5110	Project (Level 1)	3-0-0-3	Arpan Kabiraj			
CS5013	Topics in Discrete Mathematics	3-0-0-3	Srimanta Bhattacharya	K	A01-212	
CS5009	Algorithms	3-1-0-4	Krithika R	I E5	A01-018	
CS5017	Theory of Computation	3-1-0-4	Dinesh K	A+E4	A01-102	
CS5627	Proofs, Programs and Types	3-0-0-3	Piyush Kurur	L	A01-102	
CS5613	Cryptography	3-0-0-3	Srimanta Bhattacharya	F	A01-102	
DS5005	Optimization	3-0-0-3	Narayanan C Krishnan	H	A01-001	
DS3010	Machine Learning	3-0-3-5	Sahely Bhadra (coordinator) Narayanan C Krishnan	B and PA5	A01-001, N CS Comp Lab (70)	
PH5619	Theory and Applications of Stochastic processes	3-0-0-3	Manoj Gopalakrishnan	K	A01-214	
EE5531	Reinforcement learning based control	3-0-0-3	Shaikshavali C	F	A01-119	

Mathematics SRC Courses

Code	Course Name	Credits	Faculty	Slot	Availability	Room
MA7003	Real and Functional Analysis	4-0-0-4	Varadharajan Muruganandam	F, R		A01-018

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MSc Physics Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
GN5000	Communication and Technical Writing Skills	CWC	0		Q, R	
PH5007	Quantum Mechanics		3-1-0-4	Amit Kumar Pal	A, M2	A01-101
PH5005	Applicable Mathematics		3-2-0-4	Anil Kumar Dassanna	C, PA2	A01-101 A01 Comp lab -2
PH5001	Classical Mechanics		3-1-0-4	Vishwas V Akshay Bhatnagar	F, M4	A01-101
PH5003	Electromagnetic Theory		3-1-0-4	Prithvi Narayan P	G, E1	A01-101
PH5103	Mechanics and Electromagnetic Theory Lab		0-0-3-2	Soham Manni Akshay Bhatnagar	PA5	A01-PH Lab

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MSc Physics Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
PH5009	Condensed Matter Physics		3-1-0-4	Kusum Dhochak	C, Q	A01-214
PH5011	Nuclear & Particle Physics		3-0-0-3	Projjwal Banerjee	B	A01-214
XXXXXX	Institute Open Electives		3-0-0-3			
PH5619	Theory and Applications of Stochastic processes	(Dept/Open elective)	3-0-0-3	Manoj Gopalakrishnan	K	A01-214
PH5610	Quantum Information and Many Body systems	(Dept/Open elective)	3-0-0-3	Uma Divakaran	A	A01-214
PH6001	Experimental Techniques in Physics	(Dept/Open elective)	3-0-0-3	Jayakumar Balakrishnan	H	A01-101
PH5105	Advanced Physics Lab		0-0-5-3	Bibhu Ranjan Sarangi Vishwas V	PA1, R	A01-PH Lab
PH5110	Project I		0-0-5-3			

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Physics ERC

Code	Course Name	Category	Credits	Faculty	Slot	Room

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Humanities & Social Sciences PG Courses

Code	Course Name	Category	Credits	Faculty	Slot	Room
HS2302	Introduction to Language and Society (40)		3-0-0-3	Reenu Punnoose	H	A01-002
HS2304	Culture and Gender Performativity (30)		3-0-0-3	G. Sujatha	H	N 204
HS2335	Psychology and Life (40)		3-0-0-3	Sudarshan R Kottai	H	A01-102
HS2334	Japanese A1 (35)		3-0-0-3	Reenu (co-ordinator)	G	N 306

Humanities & Social Sciences HRC Courses

HS6xxx	Ethnography: Theory and Methods (to be approved)		3-0-0-3	Rahul Choragudi	I	A01-101
HS6005	Contemporary Issues in Development Economics		3-0-0-3	Amrita Roy	J	A01-101

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M. Tech. Computing and Mathematics Semester III

A	Course Name	Category	Credits	Faculty	Slot	Room
CS5110	Project / Dissertation Phase 1		0-0-12-8		-	-
	Program Major Elective		3-0-0-3			
	Open Elective		3-0-0-3			

M. Tech. Computing and Mathematics PME Courses

A	Course Name	Category	Credits	Faculty	Slot	Room
CS5627	Proofs, Programs and Types	PME	3-0-0-3	Piyush Kurur	L	A01-102
CS5613	Cryptography	PME	3-0-0-3	Srimanta Bhattacharya	F	A01-102
CS5005	Parallel Programming	PME	3-0-0-3	Unnikrishnan Cheramangalath	K	A01-102
MA5005	Groups and Rings	PME	4-0-0-4	Arpan Kabiraj	G+E5	N 303
MA5601	Introduction to Commutative Algebra	PME	3-0-0-3	Parangama Sarkar	L	A01-214
MA 6608	Mathematical theory of finite elements	PME	3-0-0-3	Gopikrishnan C R	B	A01-018
	Introduction To Machine Learning	OE	3-0-0-3	NPTEL	-	-
	Reinforcement Learning	OE	3-0-0-3	NPTEL	-	-
	Social Network Analysis	PME	3-0-0-3	NPTEL	-	-
	Introduction To Game Theory And Mechanism Design	PME	3-0-0-3	NPTEL	-	-

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M. Tech. Computing and Mathematics Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
GN5000	Communication and Technical Writing Skills	CWC	0		Q, R	N 204
CS5013	Topics in Discrete Mathematics		3-0-0-3	Srimanta Bhattacharya	K	A01-212
CS5009	Algorithms		3-1-0-4	Krithika R	I E5	A01-018
CS5107	Programming Lab		1-0-3-3	Satyajit Das	PM1	A01 Comp Lab -2
MA5007	Probability and Statistics		4-0-0-4	M Ashok Kumar	F+E1	N 305
MA5001	Linear Algebra		4-0-0-4	Rohith Varma	A+E4	A01-018
CS5017	Theory of Computation		3-1-0-4	Dinesh K	A+E4	A01-102

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M. Tech. Data Science Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
MA5007	Probability & Statistics (65)		3-1-0-4	M Ashok Kumar	F, E1	N 305
EE5007	Linear Algebra for Engineers		3-0-0-3	Nikhil Krishnan	L	A01-118
DS3010	Machine Learning		3-0-3-5	Sahely Bhadra (coordinator) Narayanan C Krishnan	B and PA5	A01-001, A01-comp lab 2 (34)
DSXXX	Data Engineering		3-0-3-5	Mrinal Das	C and PA1	A01-001, N CC Comp Lab(48)
DS5005	Optimization		3-0-0-3	Narayanan C Krishnan	H	A01-001

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M. Tech. Data Science Semester III

Code	Course Name	Credits	Category	Faculty	Slot	Room
GN5000	Communication Skill and Technical Writing	0	CWC	Narayanan C Krishnan	Q, R	N 204
DS5110**	Project (phase 0) - - -	-	-	Mrinal Das	-	
DS5110 **	Project (phase 1) - - -		10	Mrinal Das	-	
DS5602	Computer Vision (30)		3-0-2-4	Satyajit Das	F	A01-001
DS5601	Natural Language Processing (40)		3-0-0-3	Koninika Pal	K	A01-001

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Data Science PME/ERC Courses

Code	Course Name	Credits	Faculty	Slot	Room	Availability
DS5602	Computer Vision (30)	3-0-2-4	Satyajit Das	F	A01-001	limited to 30 students
DS5601	Natural Language Processing (40)	3-0-0-3	Koninika Pal	K	A01-001	limited to 40 students

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M. Tech Geotechnical Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
GN5000	Communication and Technical Writing Skills	CWC	0		Q, R	N 204
CE5007	Soil Engineering		3-1-0-4	Ankesh Kumar	J, E2	N 307
CE5005	Geotechnical Investigations Instrumentation		3-0-0-3	Sudheesh T K	B	N 307
CE5607	Elective1		3-0-0-3			
CE5611	Elective2		3-0-0-3			
ME5011	Mathematics for Engineers		3-0-0-3	KVN Surendra	G	N 308

M. Tech Geotechnical Elective Courses

Code	Course Name	Category	Credits	Faculty	Slot	Room
CE5607	Ground Improvement		3-0-0-3	Divya P V	K	N 303
CE5611	Soil Dynamics and Earthquake Engineering		3-0-0-3	Rakesh J Pillai	A	N 307
CE5521	Rock Engineering		3-0-0-3	Ankesh Kumar	L	N 307
CE5516	Optimization Techniques in Engineering		3-0-0-3	B K Bhavathrathan	F	N 303
CE5625	Structural Reliability		3-0-0-3	Arun C O	D + M3	N 303

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M. Tech Geotechnical Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
CE5100	Internship/Project		0-0-0-2	Rakesh J Pillai	-	-
CE5101	Computational Geomechanics Lab		0-0-3-2	Sudheesh T K	PA4	N CC Comp Lab (48)
CE5110	Project 1		0-0-0-9	Ankesh kumar	-	-

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M. Tech. Manufacturing and Materials Engineering Sem I

Code	Course Name	Category	Credits	Faculty	Slot	Room
GN5000	Communication And Technical Writing Skills	CWC	0	Krishna Seshagiri	Q, R	N 204
ME5011	Mathematics for Engineers		3-0-0-3	KVN Surendra	G	N 308
ME5007	Advanced Engineering Materials		3-0-0-3	Afzaal Ahmed	B	N 308
ME5005	Modern Manufacturing Processes		3-0-0-3	S Kanmani Subbu & Buchibabu Vicharapu	H	N 308
ME5013	Mechanics of Machining		3-0-0-3	Dinesh	F	N 308
ME5009	Digital Manufacturing		3-0-0-3	Chakradhar	C	N 308
ME5102	Manufacturing Processes and Characterization Lab		1-0-3-3	S Kanmani Subbu	E4 PA4	N 308 N Mech Lab

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M. Tech. Manufacturing and Materials Engineering Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
ME5190	Internship/ Mini Project		2	Buchibabu V	-	-
ME5110	Project I		0-0-0-10	Dinesh Setti	-	-

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M. Tech in Power Electronics and Power Systems- Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
GN5000	Communication and Technical Writing Skills	CWC	0		Q, R	N 204
EE5021	Power Converter Analysis and Design	Core	3-0-0-3	Naga Brahmendra	K	A01-119
EE5017	Power System Analysis And Operation	Core	3-0-0-3	Manas Kumar Jena	A	A01-119
EE5019	Modelling and Analysis of Electrical Machines	Core	3-0-0-3	Arun Rahul S	B	A01-119
EE5022	Synthesis of control	Core	3-0-0-3	Vijay Muralidharan	C	A01-119
EE5XXX	Professional Elective - 1*	PE	3			

M. Tech in Power Electronics and Power Systems - Professional Electives

Code	Course Name	Category	Credits	Faculty	Slot	Room
EE5531	Reinforcement learning based control	Elective	3-0-0-3	Shaikshavali C	F	A01-119
EE5513	Power System Protection	Elective	3-0-0-3	Manas Jena	J	A01-119
EE5608	Robot dynamics, control and motion planning	Elective	3-0-0-3	Sneha Gajbhiye	L	A01-119

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M. Tech in Power Electronics and Power Systems- Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
PE5190	Internship/Miniproject	Core	2	Naga Brahmendra		Summer
PE5110	Professional Major Project Phase 1	Core	0-0-0-11	Naga Brahmendra	-	-
	Open Elective	OE	3			

Elective Courses

Code	Course Name	Category	Credits	Faculty	Slot	Room
EE5607	Electric vehicle Product development	Elective	3-0-0-3	BGSW (BOSCH) Coordinators: Anirudh & Vijay	-	Summer
EE5531	Reinforcement learning based control	Elective	3-0-0-3	Shaikshavali C	F	A01-119
EE5513	Power System Protection	Elective	3-0-0-3	Manas Jena	J	A01-119
EE5608	Robot dynamics, control and motion planning	Elective	3-0-0-3	Sneha Gajbhiye	L	A01-119
	Other PG open electives with consent of instructor					
EE5528M	Design of Photovoltaic Systems	NPTEL	3-0-0-3	Coordinator: Anirudh		

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M. Tech. System-on-Chip Design Semester I

Code	Course Name	Category	Credits	Faculty	Slot	Room
GN5000	Communication and Technical Writing Skills	CWC	0		Q, R	N 204
EE5011	VLSI design		3-0-2-4	Subrahmanyam Mula	J PM5	A01-118 Nila Electron Lab
EE5009	Nanoelectronics for Circuits and Systems		3-0-0-3	Revathy Padmanabhan	I	A01-118
CS5019	Advanced Computer Architecture		3-0-0-3	Vivek Chaturvedi	K	A01-118
CS5119	Advanced Computer Architecture Lab		0-0-3-2	Vivek Chaturvedi	PM3	N CC Comp Lab (48)
CS5107	Programming Lab		1-0-3-3	Satyajit Das	PM1	A01 Comp Lab -2

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M. Tech. System-on-Chip Design Semester III

Code	Course Name	Category	Credits	Faculty	Slot	Room
SD5110	M.Tech Thesis/Project Phase 1		0-0-14-9			
	Professional Elective 5		3-0-0-3			

M. Tech. System-on-Chip Design PME Courses

Code	Course Name	Category	Credits	Faculty	Slot	Room
CS5627	Proofs, Programs and Types	PME	3-0-0-3	Piyush Kurur	L	A01-102
CS5613	Cryptography	PME	3-0-0-3	Srimanta Bhattacharya	F	A01-102
CS5005	Parallel Programming/Compiler Optimization	PME	3-0-0-3	Unnikrishnan Cheramangalath	K	A01-102
DS5602	Computer Vision (30)	PME	3-0-2-4	Satyajit Das	F	A01-001
EE5005	Digital Image Processing (50)	PME	2-0-2-3	Mahesh Panicker	I	A01-119

	Introduction To Machine Learning	OE	3-0-0-3	NPTEL	-	-
	Reinforcement Learning	OE	3-0-0-3	NPTEL	-	-
	Applied Accelerated Artificial Intelligence	PME	3-0-0-3	NPTEL	-	-
	Social Network Analysis	OE	3-0-0-3	NPTEL	-	-

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Biological Sciences and Engineering

Code	Course Name	Category	Credits	Faculty	Slot	Room
BS6001	Fundamental and applied Immunology	Elective	3-0-0-3	Jagadeesh Bayry	J (monday) K (thursday)	A01-202