

SCHOOLOF MECHANICAL ENGINEERING

(Faculty of Engineering)
Sub Post Office, Katra-182320, Jammu & Kashmir, INDIA **Session 2024-25**

Time Table: B. Tech. First Semester

Classroom: B-104

w.e.f.: 12/08/2024

	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 13:00	13:00 - 14:00	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00
Monday	Basic Elect	ronics Lab	Engineering Physics	Engineering Mathematics-I				Basic Electronics
Tuesday	VAC-I	Engineering Physics	AEC-1/ VAC II/VAC-III	AEC-1/ VAC II/VAC-III		'C' Programming Lab		Basic Electronics
Wednesday	Engineering Physics		Introduction to 'C' Programming	Engineering Mathematics-I	Lunch Break	SEC	SEC	AEC (E)
Thursday	VAC-I	Basic Electronics	Introduction to 'C' Programming	Engineering Mathematics-I		SEC VAC-II/		/VAC III
Friday	Engineering Workshop		Engineering Mathematics-I (T)		Engineering Physics Lab		Introduction to 'C' Programming	

Course Code	Course	L-T-P Faculty			
MTL 1025	Engineering Mathematics-I	4 0 0	Dr. Sandeep Bhougal		
PHL 1012	Engineering Physics	3 0 0	Prof. Ashok Sharma	Time Table Coordinators: Dr. Sanjay Sharma	
PHP 1012	1012 Engineering Physics Lab 0 0 2 Prof. Ashok Sharma		Prof. Ashok Sharma	Dr. Ankush Raina	
CSL 1022	Introduction to 'C' Programming				
CSP 1022	'C' Programming Lab	0 0 1	Dr. Pooja Sharma		
ECL 1010	Basic Electronics	3 0 0	Dr. Vijay Kumar Sharma		
ECP 1010	Basic Electronics Lab	0 0 2	Dr. Vikram Singh	Head, SoME	
MEM SE 101	01 Engineering Workshop 1 0 2 Mr. Deepak Byotra		Dr. Yatheshth Annad		
	AEC-1/VAC-1	2 0 0			



SCHOOLOF MECHANICAL ENGINEERING

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Sub Post Office, Katra-182320, Jammu & Kashmir, INDIA

Time Table: B. Tech. Third Semester

Session 2024-25

w.e.f.:09/09/2024

Room: B-204

	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 13:00	13:00 -14:00	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00
Monday		Machine Drawing with CAD	Fluid Mechanics	Kinematics of Machines		Strength of Materials – I		Materials Lab (G1) chanics Lab (G2)
Tuesday	Thermodynamics	Programming using Python	VAC II/VAC-III	VAC II/VAC III *	Python Prog		gramming Lab	Summer Internship - I
Wednesday	Thermodynamics	Programming using Python	Kinematics of Machines	Strength of Materials – I	Lunch Break	SEC	SEC*	Summer Internship - I
Thursday	Thermodynamics	Fluid Mechanics	Machine Drawing with CAD			SEC	VAC-II/VAC III	VAC-II/VAC III*
Friday	Kinematics of Machines	Programming using Python	Fluid Mechanics	Strength of Materials – I			Fluid Me	Materials Lab (G2) chanics Lab (G1)

* Additional slots for practical based courses only

Course Code	Category	Course	L-T-P	Faculty	
MEL BS201	BSC-5	Thermodynamics	3 0 0	Prof. Eswaramoorthy Muthuswamy	Time Table Coordinators:
CSL ES102	ESC-3	Programming using Python	3 0 0	Dr. Sunanda (SoCSE)	Dr. Sanjay Sharma
CSP ES102	ESC-3	Python Programming Lab	0 0 2	Dr. Sunanda (SoCSE)	Dr. Ankush Raina
MEL DC201	DCC-3	Kinematics of Machines	3 0 0	Dr. Varun Dutta	
MEL DC203	DCC-4	Fluid Mechanics	3 0 0	Dr. Ankush Raina	
MEP DC203	DCC-4	Fluid Mechanics Lab	0 0 2	Dr. Ankush Raina /Mr. Sudesh Kumar	
MEL DC205	DCC-5	Strength of Materials – I	3 0 0	Dr. Sanjay Mohan	
MEP DC205	DCC-5	Strength of Materials Lab	0 0 2	Dr. Sanjay Mohan/ Er. Arjun Kotwal	Head, SoME Dr. Yatheshth Anand
MEL SE203	SEC-3	Machine Drawing with CAD	chine Drawing with CAD 1 0 2 Dr. Varun Dutta/Er. Sugal/Mr. Khushneet		DI. Tauleshin Aliand
XXX VAXX	VAC-3	Value added course (2 credits)	x x x		
MEC 2001	PR	Summer Internship – I (1 credit)	ххх	Dr. Amit Sinha	



SCHOOLOF MECHANICAL ENGINEERING

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Time Table: B. Tech. Fifth Semester

Session 2024-25

w.e.f.:29/07/2024

Classroom: B-207

	9:00 – 10:00	10:00 - 11:00	11:00 – 12:00	12:00 – 13:00	13:00 - 14:00	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00
Monday	Constitution of India	Industrial Engineering	CAD/CAM	Metal Cutting and Machine Tool		Heat and Mass Transfer	Metal Cutting and Mac	hine Tool Lab (G2) CAM Lab (G1)
Tuesday	Industrial Engineering	Metal Cutting and Machine Tool	Machine Design – II	Heat and MassTransfer			Summer Inte	ernship-II
Wednesday	Industrial Engineering	CAD/CAM	Machine Design – II	School Elective –I				Transfer Lab (G1) M Lab (G2)
Thursday		Machine Design – II	CAD/CAM	School Elective –I		Heat and Mass	Transfer Lab (G2)	HMT Tutorial (G1)
Friday		Heat and Mass Transfer	Metal Cutting and Machine Tool	School Elective –I		Metal Cutting and	Machine Tool Lab (G1)	HMT Tutorial (G2)

Course Code	Course	L-T-P	Faculty	
MEE 3024	Concurrent Engineering (School Elective –I)	3 0 0	Prof. Ankush Anand	
MEL 3131	Industrial Engineering	3 0 0	Dr. Amit Sinha	Time Table Coordinators: Dr. Sanjay Sharma
MEL 2017			Dr. Mir Irfan Ul Haq	Dr. Ankush Raina
MEL 3136			Dr. Rajiv Kumar	
MEL 3021	CAD/CAM	3 0 0	Dr. Yatheshth Anand	
MEL 3221	Heat and Mass Transfer	3 1 0	Dr. Sanjay Sharma	
MEP 3136	Metal Cutting and Machine Tool Lab	0 0 2	Dr. Rajiv Kumar / Workshop Staff	
MEP 3021	CAD/CAM Lab	0 0 2	Dr. Yatheshth Anand/ Mr. Anil Kumar	Head, SoME
MEP 3221	Heat and Mass Transfer Lab	0 0 2	Dr. Sanjay Sharma/ Mr. Sudesh Kumar	Dr. Yatheshth Anand
MEC 3002	Summer Internship-II (1 Credit)		Dr. Ankush Raina	
PCN 3079	Constitution of India (Non Credit)	1 0 0	(SoPC)	



SCHOOL OF MECHANICAL ENGINEERING

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Time Table: B. Tech. Seventh Semester

Session 2024-25 Room: B-208 w.e.f.:29/07/2024

	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 13:00	13:00 - 14:00	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00
Monday			Energy Management	Refrigeration and Air Conditioning		Minor Project	Refrigeration and Air co	nditioning Lab (G1)
Tuesday	Minor Project	Finite Element Analysis	Energy Management	Refrigeration and Air Conditioning		Hydrogen and Fuel Cell	Refrigeration and Air co	onditioning Lab (G2)
Wednesday	Minor Project	Finite Element Analysis Lab (G1)		Open Elective II		Hydrogen and Fuel Cell	Summer Internship III	
Thursday		Finite Element Analysis	Refrigeration and Air Conditioning			Hydrogen and Fuel Cell	Finite Element An	alysis Lab (G2)
Friday		Energy Management	Minor Project	Open Elective II		Minor Project	Summer Inter	nship III

Course Code	Course		L-T-P	Faculty		
MEE 3240	School	Hydrogen and Fuel Cell	3 0 0	Prof. Eswaramoorthy Muthuswamy		
MEE 4235	Elective –IV	Energy Management		Dr. V. V. Tyagi	Time Table Coordinators:	
MEL 4020	Finite Element Analysis		2 0 0	Prof. R. K. Mishra	Dr. Sanjay Sharma Dr. Ankush Raina	
MEL 4223	Refrigeration and Air Conditioning		3 1 0	Dr. Sanjeev Anand		
MEP 4020	Finite Elemen	t Analysis Lab	0 0 2	Prof. R. K. Mishra / Mr. Anil		
MEP 4223	Refrigeration	and Air conditioning Lab	0 0 2	Dr. Sanjeev Anand / Er. Karan Vohra		
	Open Elective – II		3 0 0		Head, SoME Dr. Yatheshth Anand	
MEC 4003	Summer Internship – III (2 Credits)			Prof. Eswaramoorthy & Dr. Varun Dutta		
MED 4921	ED 4921 Minor Project (3.5 credits)		0 0 7			



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Time Table: M. Tech. First Semester

Session 2024-25

w.e.f.:09/09/2024

Classroom: Fluid Machines Lab

	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 13:00	13:00 - 14:00	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00
Monday	Audit -1	Materials Selection Strategies	Design for Manufacturing			Kinematics and Dynamics of Robots	Computer Ai	ded Manufacturing lab
Tuesday	Audit -1	Automation in Manufacturing Systems	Research Methodology	Materials Selection Strategies				
Wednesday			Research Methodology	Kinematics and Dynamics of Robots		Automation in Manufacturing Systems	Industrial .	Automation Lab
Thursday		Research Methodology	Research Methodology (T)	Materials Selection Strategies		Design for Manufacturing	Industrial .	Automation Lab
Friday		Automation in Manufacturing Systems	Design for Manufacturing	Kinematics and Dynamics of Robots			Computer Ai	ded Manufacturing lab

Course Code	Course	L-T-P	Faculty		
MEL DC 601	Automation in Manufacturing Systems	3 0 0	Prof. Balbir Singh	Time Table Coordinators: Dr. Sanjay Sharma	
MEL DC 603	Design for Manufacturing 3 0 0 Dr. Mir Irfan Ul F		Dr. Mir Irfan Ul Haq	Dr. Ankush Raina	
MEL DC 605	Materials Selection Strategies	erials Selection Strategies 3 0 0 Prof. R. K. Mishra			
MEL DE 603	Kinematics and Dynamics Of Robots	3 0 0	Dr. Yatheshth Anand		
MEP DC 601	Industrial Automation Lab	0 0 4	Prof. Balbir Singh/ Er. Karan	Head, SoME	
MEP DC 603	Computer Aided Manufacturing lab	0 0 4	Dr. Mir Irfan Ul Haq / Er. Arjun	Dr. Yatheshth Anand	
MEL DC 607	Research Methodology	3 1 0	Dr. Amit Sinha		
	Audit -1 (NC)	2 0 0	SoPC		



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Time Table: M. Tech. Third Semester

Session 2024-25

w.e.f.:29/07/2024

Room: Conference Hall, SME

		1100110 201121 21100 11111, 21112							
	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 13:00	13:00 - 14:00	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00	
Monday	Dissertation Phase-I Industrial			Industrial Tribology		Dissertation Phase-I		Discourse of Human Virtues	
Tuesday	Dissertation Phase-I Indust			Industrial Tribology		Lissertation Phase-I		Discourse of Human Virtues	
Wednesday		Disserta	tion Phase-I			Dissertation Phase-I		Discourse of Human Virtues	
Thursday	Dissertation Phase-I				Dissertation Phase-I		Industrial Tribology		
Friday		Disserta	tion Phase-I			Dissertatio	on Phase-I		

Course Code	Course		L-T-P	Faculty	
MEL7032	Program Elective-IV	Industrial Tribology	3 0 0	Dr. Ankush Raina	Time Table Coordinators:
PCL 7067	Open Elective	Discourse of Human Virtues	3 0 0	(SoPC)	Dr. Sanjay Sharma Dr. Ankush Raina
MED 7911	Dissertation Phase-I		0 0 28		Dr. 7 mkush Tumu
					Head, SoME
					Dr. Yatheshth Anand



SCHOOLOF MECHANICAL ENGINEERING

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Time Table: B. Tech. Second Semester (B-104)

Session 2024-25 (No. of students: 26)

	9:00 – 10:00	10:00 – 11:00	11:00 - 12:00	12:00 – 13:00	13:00 – 14:30 14: 00 – 15: 00		15: 00 – 16: 00	16: 00 – 17: 00
Monday	Engineering Mathematics-II	Applied Chemistry	Engineering Mechanics	UHV-II		Materials Science a	and Engineering Lab	AEC-II
Tuesday	Materials Science and Engineering	Applied Chemistry	Engineering Graphics			Engineering Mechanics	Engineering Mechanics (T)	VAC-II
Wednesday		Engineering Mathematics-II	Applied Chemistry	Engineering Mathematics-II (T)	Lunch	Engineering Gr	aphics with CAD	AEC-II
Thursday		Materials Science and Engineering		Engineering Mathematics-II	Break	Materials Science	and Engineering Lab	VAC-II
Friday		Materials Science and Engineering	Engineering Mechanics	Engineering Mechanics (T)		UHV-II	Engineering Grap	phics with CAD

Course Code	Course Code Course		Faculty	
MTL BS102	MTL BS102 Engineering Mathematics II		SoM	
BTL BS102	Applied Chemistry	3 0 0	SoBT	Time Table Coordinators:
BTP BS102	Applied Chemistry Lab	0 0 2	SoBT	Dr. Sanjay Sharma Dr. Ankush Raina
MEL DC102	Engineering Mechanics	3 1 0	Dr. Sanjay Mohan	
MEL DC104	Materials Science and Engineering	3 0 0	Prof. Balbir Singh	
MEP DC104	Materials Science and Engineering Lab	0 0 2	Prof. Balbir Singh/Mr. Sudesh	
MEP SE102	Engineering Graphics with CAD	1 0 2	Prof. Ankush Anand / Mr. Anil	
	Ability Enhancement Course			Head, SoME Dr. Yatheshth Anand
	Value Added course			
PCL VA102	Universal Human Values-II	NC	Prof. Balbir Singh	



SCHOOLOF MECHANICAL ENGINEERING

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Time Table: B. Tech. Fourth Semester (B-204)

Session 2024-25 (No. of students: 21)

	9:00 – 10:00	10:00 – 11:00	11:00 - 12:00		13:00 - 14:30	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00		
Monday		Strength of	Thermal Engineering	Dynamics of				fachines Lab (G2)		
Withitay		Materials – II	Thermal Engineering	Machines			Manufacturing	Processes Lab (G1)		
Tuesday	VAC-IV (Engg.)	Fluid Machines	Manufacturing Strength of				Fluid Macl	nines Lab (G1)		
Tucsuay	VIIC IV (Eligg.)	Traid Widemines	Processes	Processes Materials – II			Thermal E	ngg. Lab (G2)		
Wednesday		Thermal	Fluid Machines	Strength of	_	Lunch		Fluid Macl	nes Lab (G2)	
wednesday		Engineering	Tidid Widemines	Materials – II (T)	Break		Thermal E	ngg. Lab (G1)		
Thursday	VAC-IV (Engg.)	Fluid Machines	Dynamics of	Manufacturing			Dynamics of N	fachines Lab (G1)		
i nui suay	VAC-IV (Eligg.)	Truid Macililles	Machines	Processes			Manufacturing	Processes Lab (G2)		
Friday		Strength of	Dynamics of	Thermal			Manufacturing	Strength of		
riluay		Materials – II	Machines	Engineering			Processes	Materials – II (T)		

Course Code	Course	L-T-P	Faculty	
MEL DC202	Thermal Engineering	3 0 0	Dr. Sanjay Sharma	
MEP DC202	Thermal Engineering Lab	0 0 2	Dr. Sanjay Sharma/ Er. Sugal	Time Table Coordinators: Dr. Sanjay Sharma
MEL DC204	Fluid Machines	3 0 0	Dr. Ankush Raina	Dr. Ankush Raina
MEP DC204	Fluid Machines Lab	0 0 2	Dr. Ankush Raina/ Mr. Anil	
MEL DC206	Manufacturing Processes	3 0 0	Dr. Amit Sinha	
MEP DC206	Manufacturing Processes Lab	0 0 2	Dr. Amit Sinh/ Mr. Kewal	
MEL DC208	Dynamics of Machines	3 0 0	Dr. Varun Dutta	
MEP DC208	Dynamics of Machines Lab	0 0 2	Dr. Varun Dutta/ Er. Arjun	Head, SoME Dr. Yatheshth Anand
MEL DC210	Strength of Materials – II	3 1 0	Prof. R. K. Mishra	Di. Tanieshin Aliane
BTL VA202	Environmental Science & Education (VAC IV) Engg.	2 0 0	SoBT	



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Time Table: B. Tech. Sixth Semester (B-207)

Session 2024-25 (No. of students: 26)

	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 13:00	13:00 - 14:30	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00
Monday			Automobile Engg.	Mechanical				Engg. Lab (G1)
1.101144				Vibration			Mechanical V	ibration Lab (G2)
Tuesday	School	Metrology and	Internal Combustion	Automobile			Internal Combustion Engines Lab (G1	
Tuesday	Elective –II	Measurements	Engines	Engg.			Metrology and M	feasurements lab (G2)
Wada and an	School	Mechanical Vibration	Internal Combustion	O El I	Lunch		Internal Combust	tion Engines Lab (G2)
Wednesday	Elective –II	Wiechanical Vibration	Engines	Open Elective- I	Break		Metrology and M	leasurements lab (G1)
Thursday	School	Internal Combustion	Mechanical Vibration	On an Elastina I			Metrology and	
Thursday	Elective –II	Engines	Mechanical vioration	Open Elective- I			Measurements	
E.A.		Metrology and		O E1 4'- I			Mechanical V	ibration Lab (G1)
Friday		Measurements		Open Elective- I			Automobile	Engg. Lab (G2)

Course Code	Course		L-T-P	Faculty	
MEE 3237	School Elective –II	Solar Thermal Power Engineering	3 0 0	Prof. Eswaramoorthy Muthusamy	
MEE 3081		Modeling and Simulation of Manufacturing System		Dr. Amit Sinha	Time Table Coordinators
	Open Elective- I		3 0 0		Time Table Coordinators: Dr. Sanjay Sharma
MEL3121	Metrology and Meas	urements	3 0 0	Dr. Mir Irfan Ul Haq	Dr. Ankush Raina
MEL3222	Internal Combustion Engines		3 0 0	Dr. Sanjeev Anand	
MEL 3022	Mechanical Vibration		3 0 0	Prof. R K Mishra	
MEL 3031	Automobile Engg.		2 0 0	Dr. Mir Irfan Ul Haq	
MEP 3031	Automobile Engg. L	ab	0 0 2	Dr. Mir Irfan Ul Haq/ Mr. Chandan	
MEP 3022	Mechanical Vibration Lab		0 0 2	Prof. R K Mishra/ Er. Karan	Head, SoME
MEP 3121	Metrology and Meas	urements lab	0 0 2	Dr. Mir Irfan Ul Haq / Mr. Sudesh	Dr. Yatheshth Anand
MEP 3222	Internal Combustion	Engines Lab	0 0 2	Dr. Sanjeev Anand/ Er. Sugal	



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Time Table: B. Tech. Eighth Semester

Session 2024-25 (No. of students: 34)

	9:00 – 10:00	10:00 - 11:00	11:00 – 12:00	11:00 – 12:00		14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00
Monday					Majo	or Project		
Tuesday		Major Project					Majo	or Project
Wednesday		Major Pr	roject	Open Elective- III	Lunch Break		Majo	or Project
Thursday		Major Pi	Major Project Open Elective- III				Majo	or Project
Friday		Major Pı	roject	Open Elective- III				

Course Code	Course	L-T-P	Faculty	
MED 4922	Major Project	0 0 20		
	Open Elective-III-(NC)	3 0 0		Time Table Coordinators: Dr. Sanjay Sharma
MEC 4922	Internship	-		Dr. Ankush Raina
				Head, SoME
				Dr. Yatheshth Anand



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Sub Post Office, Katra-182320, Jammu & Kashmir, INDIA

Time Table: M. Tech. Second Semester (Conference Hall, SME)

Session 2024-25 (No. of students: 2)

	9:00 – 10:00	10:00 – 11:00	11:00 – 12:00	12:00 – 13:00	13:00 - 14:00	14: 00 – 15: 00	15: 00 – 16: 00	16: 00 – 17: 00	
Monday		CIMS	AM	UHV-II		Mini Project			
Tuesday	VAC	CIMS	HMIM	AM		MAN	I Lab	VAC	
Wednesday		CIMS	HMIM	MAM	Lunch Break		AM	AM Lab	
Thursday	VAC	HMIM	MAM			MAM Lab V.		VAC	
Friday		AM	MAM	Mini Project		UHV-II	AM	Lab	

Course Code	Course Code Course		L-T-	P	Faculty	
MEL DC602	Mechatronics for Advance Manufacturing	3	0	0	Dr. Yatheshth Anand	
MEL DC604	Additive Manufacturing	3	0	0	Dr. Ankush Raina	Time Table Coordinators:
MEL DE602	Computer Integrated Manufacturing Systems	3	0	0	Dr. Yatheshth Anand	Dr. Sanjay Sharma
MEL DE614	Human Machine Interfaces for Manufacturing	3	0	0	Dr. Sanjay Mohan	Dr. Ankush Raina
MEP DC602	Mechatronics for Advance manufacturing Lab	0	0	4	Dr. Yatheshth Anand /Er. Karan	
MEP DC604	Additive Manufacturing Lab	0	0	4	Dr. Ankush Raina/Mr. Anil	Head, SoME
MED PR602 Mini Project		0	0	4	Dr. Amit Sinha	Dr. Yatheshth Anand
VAC	Audit 2 (Universal Human Values)				Prof. Balbir Singh	