

Annexure-A
(Autumn 2023/ Spring 2024)

Faculty Teaching load (B.Tech/ M.Tech) for the Department of Mechanical Engineering, Autumn 2023/ Spring 2024

B.Tech (Mechanical Engineering)			
2nd Semester (Batch 2023)			
March 2024 to June 2024			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Engineering Mathematics-II	3	Faculty from Applied Science Department	Applied Science
Fundamentals of Electronics Engineering	3	Faculty from Electronics and Communication Engineering	Electronics and Communication Engineering
Fundamentals of Electronics Engineering Lab	4	Faculty from Electronics and Communication Engineering	Electronics and Communication Engineering
Principles of Electrical Engineering	3	Faculty from Electrical Engineering Department	Electrical Engineering
Principles of Electrical Engineering Lab	4	Faculty from Electrical Engineering Department	Electrical Engineering
Environmental Science	3	Faculty from Applied Science Department	Applied Science
Computer Aided Drawing	6	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Engineering Mechanics	4	Dr. Farooq Ahmad Najar	Mechanical Engineering
Work Shop Practice-B	8	Dr. Showkat Ahmad Kanth	Mechanical Engineering
	8	Junaid Hassan Masoodi	Mechanical Engineering
Other Departments (Electrical Engineering Department)			
Computer Aided Drawing	6	Dr. Summera Banday	Mechanical Engineering
Engineering Mechanics	4	Dr. Arjumand Rasool	Mechanical Engineering
Work Shop Practice-B	8	Dr. Shariq Ahmad Bhat	Mechanical Engineering
	8	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Other Departments (Civil Engineering Department)			
Computer Aided Drawing	6	Dr. Kaleem Ahmad Najar	Mechanical Engineering
Engineering Mechanics	4	Dr. Aazim Shafi Lone	Mechanical Engineering
Work Shop Practice-B	8	Dr. Showkat Ahmad Kanth	Mechanical Engineering
	8	Mr. Adil Mudasar Khan	Mechanical Engineering
Other Departments (Electronics and Communication Engineering)			
Computer Aided Drawing	6	Ms. Sania Qadri	Mechanical Engineering
Work Shop Practice-A	4	Dr. Suhail Ahmad Manroo	Mechanical Engineering
	4	Dr. Farooq Ahmad Najar	Mechanical Engineering

4th Semester (Batch 2022)			
March 2024 to June 2024			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Laplace Fourier and Z Transforms	3	Faculty from Applied Science Department	Mechanical Engineering
Solid Mechanics-I	4	Mr. Adil Mudasar Khan	Mechanical Engineering
Solid Mechanics-I Lab (G1)	4	Mr. Adil Mudasar Khan	Mechanical Engineering
Solid Mechanics-I Lab (G2)	4	Dr. Aazim Shafi Lone	Mechanical Engineering
Theory of Machines-I	4	Dr. Arjumand Rasool	Mechanical Engineering
Theory of Machines-I Lab (G1)	4	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Theory of Machines-I Lab (G2)	4	Dr. Arjumand Rasool	Mechanical Engineering
Manufacturing Technology-II	3	Dr. Zahid Mushtaq	Mechanical Engineering
Manufacturing Technology-II Lab (G1)	4	Dr. Zahid Mushtaq	Mechanical Engineering
Manufacturing Technology-II Lab (G2)	4	Dr. Summera Banday	Mechanical Engineering
Applied Thermodynamics	3	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Applied Thermodynamics Lab (G1)	4	Ms. Sania Qadri	Mechanical Engineering
Applied Thermodynamics Lab (G2)	4	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Measurement and Instrumentation	3	Dr. Suhail Ahmad Manroo	Mechanical Engineering
Measurement and Instrumentation Lab (G1)	4	Dr. Suhail Ahmad Manroo	Mechanical Engineering
Measurement and Instrumentation Lab (G2)	4	Dr. Arjumand Rasool	Mechanical Engineering

5th Semester (Batch 2021)			
Nov 2023 to Dec 2023 and March 2024 to April 2024			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Complex Analysis	3	Faculty from Applied Science	Mechanical Engineering
Heat Transfer	4	Dr. Farooq Ahmad Najar	Mechanical Engineering
Heat Transfer Lab (G1)	4	Dr. Zahid Mushtaq	Mechanical Engineering
Heat Transfer Lab (G2)	4	Dr. Farooq Ahmad Najar	Mechanical Engineering
Fluid Machinery	4	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Fluid Machinery Lab (G1)	4	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Fluid Machinery Lab (G2)	4	Junaid Hassan Masoodi	Mechanical Engineering
Theory of Machines-II	4	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Theory of Machines-II-Lab (G1)	4	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Theory of Machines-II-Lab (G2)	4	Dr. Ishfaq Amin Makaei	Mechanical Engineering
Solid Mechanics-II	4	Mr. Adil Mudasar Khan	Mechanical Engineering
Automation in Manufacturing	3	Dr. Summera Banday	Mechanical Engineering
Automation in Manufacturing Lab (G1)	4	Dr. Farooq Ahmad Najar	Mechanical Engineering
Automation in Manufacturing Lab (G2)	4	Dr. Summera Banday	Mechanical Engineering

7th Semester (Batch 2020)			
March 2024 to May 2024			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Humanities and Social Science including Management			
Industrial Engineering-II	3	Dr. Zahid Mushtaq	Mechanical Engineering

Faculty Teaching Load (DoME)/ Other Departments

Faculty Available		Theory Classes Contact Hours	Labs Contact Hours	Projects/ Seminars Contact Hours
Mr. Qazi Junaid Ashraf	Substantive	17	8	33
Junaid Hassan Masoodi	Substantive	18	4	33
Dr. Farooq Ahmad Najar	Substantive	22	8	33
Mr. Adil Mudasar Khan	Substantive	21	4	33
Dr. Summera Banday	Contractual	14	8	0
Dr. Showkat Ahmad Kanth	Contractual	20	4	0
Dr. Shariq Ahmad Bhat	Contractual	15	8	0
Dr. Mushtaq Ahmad Rather	Contractual	0	0	0
Dr. Ishfaq Amin Makaei	Contractual	9	8	0
Dr. Aazim Shafi Lone	Contractual	8	4	0
Dr. Suhail Ahmad Manroo	Contractual	12	4	0
Dr. Zahid Mushtaq	Contractual	6	12	0
Dr. Arjumand Rasool	Contractual	8	8	0
Dr. Kaleem Ahmad Najar	Contractual	9	0	0
Ms. Sania Qadri	Contractual	9	8	0
Faculty from Management Studies	Contractual	12	0	0
Faculty from Electronics and Communication Engineering Department	-	3	4	0
Faculty from Electrical Engineering Department	-	17	8	0
Faculty from Applied Science Department	-	6	0	0
Deficit		9	0	0

Industrial Engineering-II Lab (G1)	4	Dr. Zahid Mushtaq	Mechanical Engineering
Industrial Engineering-II Lab (G2)	4	Ms. Sania Qadri	Mechanical Engineering
Professional Elective Course			
Power Plant Engineering	3	Dr. Kaleem Ahmad Najar	Mechanical Engineering
Energy Systems and Management	3		Mechanical Engineering
Professional Core Course			
Heating Ventilation and Air Conditioning	3	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Heating Ventilation and Air Conditioning Lab (G1)	4	Dr. Shariq Ahmad Bhat	Mechanical Engineering
Heating Ventilation and Air Conditioning Lab (G2)	4	Junaid Hassan Masoodi	Mechanical Engineering
Design of Machine Elements-II	3	Ms. Sania Qadri	
Open Elective Course			
Automatic Control	3	Faculty from Electrical Engineering Department	
Introduction to Project Management	3	Faculty from Management Studies	
Project Seminar and Internship			
Final Year Project (Stage-I) (G1) (Total Hours=8)	4	Junaid Hassan Masoodi	Mechanical Engineering
Final Year Project (Stage-I) (G2) (Total Hours=8)	4	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Final Year Project (Stage-I) (G3) (Total Hours=8)	4	Mr. Adil Mudasar Khan	Mechanical Engineering
Final Year Project (Stage-I) (G4) (Total Hours=8)	4	Dr. Farooq Ahmad Najar	Mechanical Engineering
Final Year Project (Stage-I) (G5) (Total Hours=8)	4		Mechanical Engineering
Final Year Project (Stage-I) (G6) (Total Hours=8)	4		Mechanical Engineering
Final Year Project (Stage-I) (G7) (Total Hours=8)	4		Mechanical Engineering
Final Year Project (Stage-I) (G8) (Total Hours=8)	4		Mechanical Engineering

M.Tech (Design Engineering)			
1st Semester (Batch 2023)			
Nov 2023 to Dec 2023 and March 2024 to April 2024			
Mechanical Engineering Department			
Courses	Contact Hours	Concerned Teacher	Department
Finite Element Methods (Core-I)	5	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Computational Fluid Dynamics (Core-I)	5	Junaid Hassan Masoodi	Mechanical Engineering
Design Thinking	3	Faculty from Management Studies	Mechanical Engineering
Professional Elective A			
Continuum Mechanics	4	Deficit	Mechanical Engineering
Tribology in Design	5	Dr. Farooq Ahmad Najar	Mechanical Engineering
Professional Elective B			
Principles of Solar Thermal Engineering	4	Deficit	Mechanical Engineering
Cryogenic Engineering	4	Dr. Aazim Shafi Lone	Mechanical Engineering

M.Tech (Design Engineering)			
3rd Semester (Batch 2021)			
Dec 2023 and March 2024 to May 2024			
Courses	Contact Hours	Concerned Teacher	Department
Professional Elective D			
Mechanics of Composite Material	5		Mechanical Engineering
Dynamics of Compressible Flow	5	Junaid Hassan Masoodi	Mechanical Engineering
Mechanical Vibration of Continuous Systems	5		
Seminar	6	Junaid Hassan Masoodi	Mechanical Engineering
Seminar	6	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Seminar	6	Dr. Farooq Ahmad Najar	
Seminar	6	Mr. Adil Mudasar Khan	Mechanical Engineering
Experimental methods/ Research Methodology	3	Faculty from Management Studies	Mechanical Engineering
Dissertation Phase-I	8	Junaid Hassan Masoodi	
Dissertation Phase-I	8	Mr. Qazi Junaid Ashraf	
Dissertation Phase-I	8	Dr. Farooq Ahmad Najar	
Dissertation Phase-I	8	Mr. Adil Mudasar Khan	

M.Tech (Design Engineering)			
4th Semester (Batch 2021)			
Dec 2023 and March 2024 to April 2024			
Courses	Contact Hours	Concerned Teacher	Department
Dissertation Phase-II	15	Mr. Qazi Junaid Ashraf	Mechanical Engineering
Dissertation Phase-II	15	Junaid Hassan Masoodi	Mechanical Engineering
Dissertation Phase-II	15	Dr. Farooq Ahmad Najar	Mechanical Engineering
Dissertation Phase-II	15	Mr. Adil Mudasar Khan	Mechanical Engineering

B. Voc. (Automotive Technology)			
5th Semester (Batch 2020)			
March 2024 to June 2024			
Courses	Contact Hours	Concerned Teacher	Department
Professional Elective D			
Vehicle Body Engineering	4	Dr. Showkat Ahmad Kanth	Mechanical Engineering
Motor Vehicle Act and Transport Management	5	Dr. Summera Bandy	Mechanical Engineering
Automotive Braking and Steering system	5	Dr. Suhail Ahmad Manroo	Mechanical Engineering
Onsite Training lab	4	Dr. Showkat Ahmad Kanth	Mechanical Engineering

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Junaid Hassan Masoodi
Coordinator
Department of Mechanical Engineering