Bangladesh University of Engineering and Technology **Department of Mechanical Engineering**

Statement of Courses and Grades

for the Award of the Degree of

Bachelor of Science in Mechanical Engineering

Name: Md. Shah Nawaz Arafin

Student No. : **1710094** Total Credits Earned : **161.0** CGPA : **3.44**

Date of Completing Degree Requirements : 27-May-2023 Session of First Enrollment : 2018-19

Major Group : N/A Minor Group : N/A

Name of the Adviser : Dr. Muhammed Mahbubur Razzaque

Credits Earned and Grades Obtained in Courses Taken form Each Group of Subjects

L/T	Course No.	ses [Min Requirement : 54 co	CrHr	Grade	Term	Equivalent Course and Grade	\top
<u> </u>	CHEM 114	Inorganic Quantitative Analysis Sessional	1.5	A+	January, 2018	Equivalent Godi Sc and Grade	·
L-1/T-I	EEE 159	Fundamentals of Electrical Engineering	3.0	A+	January, 2018		\ <u></u>
	EEE 160	Fundamentals of Electrtrical Engineering Sessional	0.75	B+	January, 2018		✓
	MATH 161	Differential Calculus, Solid Geometry and Vectors	4.0	Α	January, 2018		~
	ME 101	Introduction to Mechanical Engineering	3.0	Α	January, 2018		~
	ME 160	Mechanical Engineering Drawing-1	1.5	Α	January, 2018		1
	PHY 105	Structure of Matter, Electricity and Magnetism and Modern Physics	3.0	В	January, 2018		~
	SHOP 160	Foundry and Welding Shops	0.75	A+	January, 2018		√
	CHEM 141	Chemistry of Engineering Materials	3.0	B+	July, 2018		V
	MATH 163	Integral Calculus and Differential Equations	4.0	A+	July, 2018		~
L-1/T-II	PHY 102	Physics Sessional	1.5	A-	July, 2018		√
_ ,,	PHY 159	Waves and Oscillation, Geometrical Optics and Waves Mechanics	3.0	A-	July, 2018		~
	SHOP 170	Machine Shop Practice	0.75	A-	July, 2018		✓
	EEE 259	Electrical and Electronics Technology	4.0	B+	January, 2019		✓
	EEE 260	Electrical and Electronics Technology Sessional	1.5	Α	January, 2019		~
	MATH 261	Vector Calculus, Matrices, Laplace Transform and Series Solution	4.0	A +	January, 2019		~
L-2/T-I	ME 203	Engineering Thermodynamics	4.0				X
	ME 203	Engineering Thermodynamics	3.0	B+	January, 2019		✓
	ME 204	Engineering Themodynamics Sessional	0.75	Α	January, 2019		~
	ME 247	Engineering Mechanics-1	3.0	A-	January, 2019		✓
	MATH 263	Complex Variables, Harmonic Analysis and Partial Differential Equations	4.0	S	January, 2020		~
	ME 243	Mechanics of Solids	3.0	S	January, 2020		✓
	ME 244	Mechanics of Solids Sessional	0.75	S	January, 2020		✓
L-2/T-II	ME 249	Engineering Mechanics-II	3.0	S	January, 2020		✓
	ME 260	Mechanical Engineering Drawing-II	1.5	S	January, 2020		✓
	ME 261	Numertical Analysis	3.0	S	January, 2020		✓
	ME 262	Numerical Analysis Sessional	0.75	S	January, 2020		✓
	IPE 331	Production Processes	4.0	A-	January, 2021		✓
	IPE 332	Production Processes Sessional	0.75	Α	January, 2021		✓
	ME 302	Heat Transfer Sessional	0.75				Х
	ME 305	Heat Transfer	3.0	Α	January, 2021		✓
	ME 306	Heat Transfer Sessional	0.75	B-	January, 2021		✓
L-3/T-I	ME 321	Fluid Mechanics-I	3.0	Α	January, 2021		✓
	ME 349	Mechanics of Machinery	3.0	A-	January, 2021		√
	ME 350	Mechanics of Machinery Sessional	1.5	A-	January, 2021		✓
	ME 361	Instrumentation and Measurement	3.0	B-	January, 2021		✓
	ME 366	Electro-Mechanical System Design and Practics	1.5	A+	January, 2021		1

		Student No. : 1710094	Nam	e : Md. S	hah Nawaz Arafi	n e e e e e e e e e e e e e e e e e e e	
	IPE 381	Measurement and Quality Control	3.0	A-	July, 2021		√
L-3/T-II	IPE 382	Measurement and Quality Control Sessional	0.75	B+	July, 2021		√
	ME 307	Heat Transfer Equipment Design	3.0	B+	July, 2021		1./
	ME 310	Thermo Fluid System Design	1.5	A	July, 2021		-
	ME 323	Fluid Mechanics-II	3.0	В	July, 2021		
	ME 326	Fluid Mechanics Sessional	0.75	A	July, 2021		
	ME 351	Machine Design	4.0	C	July, 2021		1,
	ME 352	Machine Design Sessional	1.5	В	July, 2021		1
	ME 370	Industrial Training	0.0	S	July, 2022		1
	IPE 431	Machine Tools	3.0	В	January, 2022		·
	IPE 432	Machine Tools Sessional	0.75	B+	January, 2022		·
	ME 400	Project and Thesis	3.0	X	January, 2022		_
L-4/T-I	ME 417	Internal Combustion Engines	3.0	A-	January, 2022		·
L-4/1-I	ME 418	Heat Engines Sessional	0.75	B+	January, 2022		√
	ME 421	Fluid Machinery	3.0	В	January, 2022		·
	ME 422	Fluid Machinery Sessional	0.75	В	January, 2022		·
	IPE 481	Industrial Management	4.0	B-	July, 2022		·
	ME 400	Project and Thesis	3.0	A+	July, 2022		1
L-4/T-II	ME 419	Power Plant Engineering	3.0	В	July, 2022		-
	ME 420	Power Plant Engineering Sessional	0.75	A	July, 2022		1
	1			1	-	ourse(s) (Theory 1.1) 1	
L/T	Course No.	urses [Min Requirement : 1 c	1		Term		
L/I			CrHr	Grade		Equivalent Course and Grade	
L-1/T-II	ME 171	Computer Programming Language	3.0	B+	July, 2018		✓
	Core Cou	ırses [Min Requirement : 1 c	ourse	e(s) Co	mpleted : 1 c	ourse(s) (Theory : 0)]	
L/T	Course No.	Course Title	CrHr	Grade	Term	Equivalent Course and Grade	
L-1/T-II	ME 172	Computer Programming Language Sessional	1.5	Α	July, 2018		√
	Core Col	ırses [Min Requirement : 1 c	Ourse	o(s) Co	mnleted : 1 c	ourse(s) (Theory : 1) 1	
L/T	Course No.	Course Title		Grade		Equivalent Course and Grade	
						Equivalent Course and Grade	+
L-1/T-I	CHEM 109	Chemistry-1	3.0	Α-	l lanuary 2018		- √
					January, 2018		
	Core Cou	ırses [Min Requirement : 1 c	ourse			ourse(s) (Theory : 1)]	
L/T	Core Cou	urses [Min Requirement : 1 c	ourse CrHr	e(s) Co		ourse(s) (Theory : 1)] Equivalent Course and Grade	
L/T L-2/T-II	Course No.			e(s) Co	mpleted : 1 c		
	Course No. MME 291	Course Title Matallic Materials	CrHr 3.0	e(s) Co Grade S	mpleted : 1 c Term January, 2020	Equivalent Course and Grade	✓ /
L-2/T-II	Course No. MME 291 Core Cou	Course Title Matallic Materials Irses [Min Requirement : 1 c	3.0 course	Grade S e(s) Co	mpleted : 1 c Term January, 2020 mpleted : 1 c	Equivalent Course and Grade ourse(s) (Theory : 0)]	\\
L-2/T-II	Course No. MME 291 Core Course No.	Course Title Matallic Materials urses [Min Requirement : 1 c Course Title	3.0 Course CrHr	e(s) Co Grade S e(s) Co Grade	mpleted : 1 c Term January, 2020 mpleted : 1 c Term	Equivalent Course and Grade	\\
L-2/T-II	Course No. MME 291 Core Course No. MME 292	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional	3.0 course CrHr	e(s) Co Grade S e(s) Co Grade S	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020	Equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade	\(\sigma\)
L-2/T-II	Course No. MME 291 Core Course No. MME 292	Course Title Matallic Materials urses [Min Requirement : 1 c Course Title	3.0 course CrHr	e(s) Co Grade S e(s) Co Grade S	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020	Equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade	\(\sigma\)
L-2/T-II	Course No. MME 291 Core Course No. MME 292	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional	3.0 course CrHr	e(s) Co Grade S e(s) Co Grade S e(s) Co	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020	Equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
L-2/T-II L/T L-2/T-II	Course No. MME 291 Core Course No. MME 292 Core Course	Course Title Matallic Materials urses [Min Requirement : 1 c Course Title Metallic Materials Sessional urses [Min Requirement : 3 c	CrHr 3.0 CrHr 1.5 Course	e(s) Co Grade S e(s) Co Grade S e(s) Co	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	\(\sigma\)
L-2/T-II L/T L-2/T-II	Course No. MME 291 Core Course No. MME 292 Core Course No. Course No.	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title	3.0 course CrHr 1.5 course CrHr	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	✓ ✓ X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101	Course Title Matallic Materials Urses [Min Requirement : 1 c Course Title Metallic Materials Sessional Urses [Min Requirement : 3 c Course Title English	3.0 Course CrHr 1.5 Course CrHr 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A-	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	
L-2/T-II L/T L-2/T-II	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics	3.0 Course CrHr 1.5 Course CrHr 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A-	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 203 HUM 303 HUM 307	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 203 HUM 303 HUM 307 HUM 101	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English	CrHr 3.0 CrHr 1.5 Course CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A- 	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 203 HUM 303 HUM 307 HUM 101 HUM 103	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 203 HUM 303 HUM 307 HUM 101	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English	CrHr 3.0 CrHr 1.5 Course CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 203 HUM 303 HUM 307 HUM 101 HUM 103 HUM 101 HUM 103 HUM 201 HUM 201 HUM 203	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government	CrHr 3.0 CrHr 1.5 Course CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 303 HUM 307 HUM 101 HUM 103 HUM 101 HUM 103 HUM 201 HUM 203 HUM 303 HUM 303	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted : 1 c Term January, 2020 mpleted : 1 c Term January, 2020 mpleted : 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 303 HUM 307 HUM 101 HUM 103 HUM 101 HUM 103 HUM 307 HUM 101 HUM 103 HUM 303 HUM 307	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology Government Principles of Accounting Industrial Sociology Government Principles of Accounting Industrial Sociology	CrHr 3.0 CrHr 1.5 Curse CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted : 1 c Term January, 2020 mpleted : 1 c Term January, 2020 mpleted : 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X X X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 203 HUM 303 HUM 101 HUM 103 HUM 201 HUM 203 HUM 307 HUM 101	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology Government Principles of Accounting Industrial Sociology Government Principles of Accounting Industrial Sociology English	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A A-	mpleted : 1 c Term January, 2020 mpleted : 1 c Term January, 2020 mpleted : 3 c Term July, 2018	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X X X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 303 HUM 307 HUM 101 HUM 203 HUM 201 HUM 201 HUM 201 HUM 101 HUM 103 HUM 101 HUM 103 HUM 101 HUM 103 HUM 307 HUM 101 HUM 103	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology English Economics	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018 January, 2019	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X X X
L-2/T-II L/T L-2/T-II L-1/T-II	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 303 HUM 307 HUM 101 HUM 203 HUM 303 HUM 307 HUM 101 HUM 103 HUM 201 HUM 201 HUM 203 HUM 303 HUM 307 HUM 101 HUM 103 HUM 307 HUM 101 HUM 103 HUM 307	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology Government Principles of Accounting Industrial Sociology Government Principles of Accounting Industrial Sociology English	CrHr 3.0 CrHr 1.5 Curse CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018 January, 2019 January, 2019	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X X X X X X
L-2/T-II L/T L-2/T-II L/T	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 203 HUM 303 HUM 101 HUM 103 HUM 201 HUM 203 HUM 101 HUM 103 HUM 201 HUM 203 HUM 303 HUM 303 HUM 303 HUM 303 HUM 303 HUM 201 HUM 101 HUM 103 HUM 101 HUM 103 HUM 101 HUM 103 HUM 201 HUM 103	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government	CrHr 3.0 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018 January, 2019 January, 2019	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X X X X X X X X X X X X X X X X
L-2/T-II L/T L-2/T-II L-1/T-II L-2/T-I	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 303 HUM 307 HUM 101 HUM 203 HUM 303 HUM 307 HUM 101 HUM 203 HUM 303 HUM 101 HUM 103 HUM 101 HUM 103 HUM 303 HUM 303 HUM 303 HUM 303	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A A A+	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018 July, 2019 January, 2019 July, 2021	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X X X X X X X X X X X X X X X X
L-2/T-II L/T L-2/T-II L-1/T-II	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 203 HUM 303 HUM 101 HUM 103 HUM 201 HUM 203 HUM 101 HUM 103 HUM 201 HUM 203 HUM 303 HUM 303 HUM 303 HUM 303 HUM 303 HUM 201 HUM 101 HUM 103 HUM 101 HUM 103 HUM 101 HUM 103 HUM 201 HUM 103	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government	CrHr 3.0 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A A A+	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018 July, 2019 January, 2019 July, 2021	equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)]	X X X X X X X X X X X X X X X X X X X
L-2/T-II L/T L-2/T-II L-1/T-II L-3/T-II	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 201 HUM 303 HUM 307 HUM 101 HUM 103 HUM 201 HUM 201 HUM 203 HUM 303 HUM 303 HUM 307 HUM 101 HUM 103 HUM 303 HUM 307 HUM 101 HUM 103 HUM 101 HUM 103 HUM 307 HUM 101 HUM 103 HUM 101 HUM 103 HUM 307 HUM 101 HUM 103 HUM 307 Optional C	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A A A+	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018 July, 2019 January, 2019 July, 2021 July, 2021	Equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)] Equivalent Course and Grade course(s) (Theory : 5)]	X X X X X X X X X X X X X X X X X X X
L-2/T-II L/T L-2/T-II L-1/T-II L-3/T-II	Course No. MME 291 Core Course No. MME 292 Core Course No. HUM 101 HUM 103 HUM 203 HUM 303 HUM 101 HUM 203 HUM 201 HUM 203 HUM 201 HUM 203 HUM 307 HUM 101 HUM 203 HUM 303 HUM 307 HUM 101 HUM 203 HUM 307 HUM 101 HUM 103 HUM 307 HUM 101 HUM 103 HUM 307	Course Title Matallic Materials Irses [Min Requirement : 1 c Course Title Metallic Materials Sessional Irses [Min Requirement : 3 c Course Title English Economics Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology Government Principles of Accounting Industrial Sociology English Economics Sociology Government Principles of Accounting Industrial Sociology Government Principles of Accounting Industrial Sociology	CrHr 3.0 CrHr 1.5 COURSE CrHr 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	e(s) Co Grade S e(s) Co Grade S e(s) Co Grade A A A+ A+	mpleted: 1 c Term January, 2020 mpleted: 1 c Term January, 2020 mpleted: 3 c Term July, 2018 July, 2019 January, 2019 July, 2021 July, 2021	Equivalent Course and Grade ourse(s) (Theory : 0)] Equivalent Course and Grade ourse(s) (Theory : 3)] Equivalent Course and Grade	X X X

		Student No. : 1710094	Nam	e : Md. S	hah Nawaz Arafin	
	ME 407	Advanced Thermodynamics	3.0			X
	ME 409	Renewable Energy	3.0			X
	ME 411	Combustion and Pollution	3.0			X
	ME 413	Energy and Environment	3.0			X
	ME 415	Refrigeration and Building Mechanical System	3.0	A-	January, 2022	✓
	ME 423	Fluids Engineering	3.0			X
	ME 425	Aerodynamics	3.0			X
	ME 427	Applied Engineering Mathematics	3.0			X
	ME 429	Similitude in Engineering Mechanics	3.0			X
	ME 431	Gas Dynamics	3.0			X
	ME 433	Fluidics	3.0			X
Ī	ME 437	Design of Fluid Mechanies	3.0			X
1.4/7.1	ME 439	Biomedical Fluid Mechanies	3.0			X
L-4/T-I	ME 441	Theory of Structures	3.0			X
	ME 445	Noise and Vibration	3.0	B+	January, 2022	✓
Ī	ME 447	Robotics	3.0			X
	ME 449	Composite Materials	3.0			X
Ī	ME 461	Control Engineering	3.0			X
Ī	ME 463	Petroleum Engineering	3.0			Х
İ	ME 465	Applied Statistics	3.0			X
İ	ME 467	Automobile Engineering	3.0			X
	ME 469	Nuclear Engineering	3.0			X
	ME 471	Bio-Engineering	3.0			X
	ME 473	Plastics Process Technology	3.0			X
	ME 475	Mechatronics	3.0			X
	ME 481	Texitile Technology	3.0			X
	ME 407	Advanced Thermodynamics	3.0			X
	ME 409	Renewable Energy	3.0			X
	ME 411	Combustion and Pollution	3.0			X
-	ME 413	Energy and Environment	3.0	A+	July, 2022	
-		Refrigeration and Building Mechanical		АТ	July, 2022	
-	ME 415	System	3.0			X
-	ME 423	Fluids Engineering	3.0			X
	ME 425	Aerodynamics	3.0			X
	ME 427	Applied Engineering Mathematics	3.0			X
-	ME 429	Similitude in Engineering Mechanics	3.0			X
	ME 431	Gas Dynamics	3.0			X
-	ME 433	Fluidics	3.0			X
L-4/T-II	ME 437	Design of Fluid Mechanies	3.0			X
	ME 439	Biomedical Fluid Mechanies	3.0			X
	ME 441	Theory of Structures	3.0			X
	ME 445	Noise and Vibration	3.0			X
	ME 447	Robotics	3.0			X
	ME 449	Composite Materials	3.0			X
	ME 461	Control Engineering	3.0	B+	July, 2022	✓
	ME 463	Petroleum Engineering	3.0			X
	ME 465	Applied Statistics	3.0			X
	ME 467	Automobile Engineering	3.0			X
	ME 469	Nuclear Engineering	3.0	В	July, 2022	✓
	ME 471	Bio-Engineering	3.0			X
	ME 473	Plastics Process Technology	3.0			X
	ME 475	Mechatronics	3.0			X
	ME 481	Texitile Technology	3.0			X

Date	Signature of the Student

Student No. : 1710094 Name: Md. Shah Nawaz Arafin

Adviser's Checklist (Please check all the boxes)

Has earned a minimum of 161.0 credits (Earned	161.0 credits).
Has earned a minimum GPA of 2.20 (Earned 3.44	1).
☐ Has earned credits in all compulsory courses.	
☐ Has earned credits in all required optional course	es.
Has fullfilled all the above requirements within the sessions from the date of first enrollment or within	·
Signature of the Adviser	Counter Signature of Head of the Department
Date :	Date :