

DIPLOMA IN METALLURGICAL ENGINEERING (MT) (C-26)

I YEAR			III SEMESTER			IV SEMESTER			V SEMESTER			VI Semester	
Sub_ Code	Subject	Credits	Sub_ Code	Subject	Credits	Sub_ Code	Subject	Credits	Sub_ Code	Subject	Credits	Sub_ Code	Subject
HU-101	English	2.0	MT-301	Mineral Processing Technology	3.0	MT-401	Heat Treatment Technology	3.0	ME-501	Techno Entrepreneurship & Startups	3.0	601	Industrial training (20 credits)
SC-102	Engineering Mathematics	3.0	MT-302	Metallurgical Thermodynamics	3.0	MT-402	Material Testing	3.0	MT-502	Mechanical Metallurgy	3.0		
SC-103	Engineering Physics	3.0	MT-303	Physical Metallurgy	3.0	MT-403	Foundry Technology	3.0	MT-503	Advance Materials & Powder Metallurgy	3.0		
SC-104	Engineering Chemistry	3.0	MT-304	Fuels and Refractories	3.0	MT-405	Ferrous Extractive Metallurgy	3.0	MT-504A/ MT-504B/ SC-504C	Non Ferrous Extractive Metallurgy / Material Characterization Techniques / Advanced Engineering Mathematics	3.0		
CS-115	Fundamentals of Python & Io T Programming	3.0	CS-305	Fundamentals of AI/ML	3.0	EE-415	Basic Electrical and Electronics Engineering	3.0	MT-505A/ MT-505B	Welding Technology / Corrosion and surface Engineering	3.0		
MT-106	Elements of Metallurgical Engineering	3.0	MT-306	Mineral Dressing Lab	2.0	MT-406	Heat Treatment Lab	2.0	MT-506	Failure Analysis Lab	2.0		
ME-107	Engineering Drawing with CAD	2.0	MT-307	Fuels lab	2.0	MT-407	Foundry Technology lab	2.0	MT-507	Welding Lab	2.0		
ME-108	Manufacturing Technology Lab-1	2.0	MT-308	Metallography Lab	2.0	MT-408	Material Testing lab	2.0	MT-508	Corrosion Engineering Lab	2.0		
SC-109	Science Lab	2.0	CS-309	Fundamentals of AI/ML Lab	2.0	EE-419	Basic Electrical and Electronics Engineering Lab	2.0	ME-509	Innovation & Design Thinking Lab	2.0		
CS-116	Fundamentals of IoT & Python Programming Lab	2.0	HU-310	Communication and Life Skills Lab	2.0	MT-410	Non Destructive Testing Lab	2.0	MT-510	Project Work	2.0		
		25.00			25.00			25.00			25.00		

