

Visvesvaraya National Institute of Technology, Nagpur
Registration Form for Enrollment in Odd Semester for Session 2020-21 (Winter 2020)
Course Slot Report for Odd Semester for Session 2020-21 (Winter 2020)

7/23/2020

(To be filled in **Blue Ink in Capital letters only**) Instruction: Please Tick V appropriately and properly

Name : _____ Enrolment No. : _____
 ID No. : _____ Name of Faculty Advisor : _____ Contact No. : _____
 Current Address : _____
 E-mail : _____ Parents No. : _____

B. Tech. in Metallurgical & Materials Engineering

III Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MML203	ENGINEERING PHYSICAL METALLURGY	DC	3	E	Offered	YES/NO
2	MMP203	ENGINEERING PHYSICAL METALLURGY	DC	1	E	Offered	YES/NO
3	MML211	INTRODUCTION TO MATERIALS SCIENCE AND ENGINEERING	DC	4	C	Offered	YES/NO
4	MML224	TESTING OF MATERIALS	DC	3	H	Offered	YES/NO
5	MMP224	TESTING OF MATERIALS	DC	1	H	Offered	YES/NO
6	MML225	MINERAL PROCESSING TECHNOLOGY	DC	3	F	Offered	YES/NO
7	MMP225	MINERAL PROCESSING TECHNOLOGY	DC	1	F	Offered	YES/NO
8	MAL203	NUMERICAL METHODS AND COMPUTATION	DC	4	D	Offered	YES/NO
		ELECTIVE COURSES					
		TOTAL CREDITS (DC + DE)		20			

V Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MML371	METAL WORKING PROCESSES	DC	4	G	Offered	YES/NO
2	MML372	PRINCIPLES OF NON FERROUS EXTRACTION METALLURGY	DC	3	C	Offered	YES/NO
3	MMP372	PRINCIPLES OF NON FERROUS EXTRACTION METALLURGY	DC	1	C	Offered	YES/NO
4	MML373	FERROUS EXTRACTION METALLURGY	DC	3	F	Offered	YES/NO
		ELECTIVE COURSES GROUP ONE (ANY ONE)					
5	MML378	WEAR OF ENGINEERING MATERIALS	DE	3	H	Offered	YES/NO
6	MMP378	WEAR OF ENGINEERING MATERIALS	DE	1	H	Offered	YES/NO
7	PHL305	ELECTRICAL AND MAGNETIC MATERIALS	DE	3	H	Offered	YES/NO
8	PHP305	ELECTRICAL & MAGNETIC MATERIALS	DE	1	H	Offered	YES/NO
		ELECTIVE COURSES GROUP TWO (ANY TWO)					
9	MML351	PROCESS OPTIMIZATION	DE	3	A	Offered	YES/NO
10	MML368	INDUSTRIAL METALLURGY	DE	3	D	Offered	YES/NO
11	MML388	CHEMICAL CHARACTERIZATION OF MATERIAL	DE	3		Not offered	YES/NO
12	MML390	BIO MATERIALS	DE	3	E	Offered	YES/NO
		TOTAL CREDITS (DC + DE)		21			

Signature of Student

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VII Semester

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MMD401	PROJECT PHASE - I	DC	2	-	Offered	YES/NO
2	MML471	STRUCTURAL METALLURGY	DC	3	D	Offered	YES/NO
3	MMP471	STRUCTURAL METALLURGY	DC	1	D	Offered	YES/NO
4	MML472	ENVIRONMENTAL DEGRADATION	DC	3	G	Offered	YES/NO
5	MMP472	ENVIRONMENTAL DEGRADATION	DC	1	G	Offered	YES/NO
		ELECTIVE COURSES (ANY FOUR)					
6	MML379	NON DESTRUCTIVE TESTING	DE	3	F	Offered	YES/NO
7	MML443	METALLURGY OF NUCLEAR MATERIALS	DE	3		Not offered	YES/NO
8	MML445	ADHESIVE TECHNOLOGY	DE	3		Not offered	YES/NO
9	MML477	SECONDARY AND SPECIAL STEEL MAKING	DE	3	H	Offered	YES/NO
10	MML479	SELECTION OF MATERIALS	DE	3	E	Offered	YES/NO
11	MML480	FRACTURE MECHANICS	DE	3		Not offered	YES/NO
12	MML494	X- RAY DIFFRACTION AND ELECTRON MICROSCOPY	DE	3	C	Offered	YES/NO
13	MML520	METALLURGY OF LIGHT METALS	DE	4	A	Offered	YES/NO
		TOTAL CREDITS (DC + DE)		22			

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M. Tech in (Materials Engg)

I Semester (New Scheme 2020 onwards)

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MML501	INTRODUCTION TO METALS & ALLOYS	DC	3	H	Offered	YES/NO
2	MMP501	INTRODUCTION TO METALS & ALLOYS	DC	1	H	Offered	YES/NO
3	MML506	STRUCTURE AND CHARACTERIZATION OF MATERIALS	DC	3	E	Offered	YES/NO
4	MMP506	STRUCTURE AND CHARACTERIZATION OF MATERIALS	DC	1	E	Offered	YES/NO
5	MML507	POLYMER ENGINEERING	DC	3	G	Offered	YES/NO
6	MMP510	MATERIALS ENGINEERING LAB	DC	1	F	Offered	YES/NO
7	MML509	CERAMIC ENGINEERING	DC	3	C	Offered	YES/NO
8	MML525	THERMODYNAMICS OF MATERIALS	DC	3	G	Offered	YES/NO
		<i>Elective Courses (ANY ONE)</i>					
9	MML511	CASTING & SOLIDIFICATION	DE	3	F	Offered	YES/NO
10	MML537	NANO MATERIALS AND CHARACTERIZATION	DE	3		Not offered	YES/NO
11	MML521	ENVIRONMENTAL MANAGEMENT	DE	3		Not offered	YES/NO
12	MML520	METALLURGY OF LIGHT METALS	DE	3		Not offered	YES/NO
		Total Credits (DC + DE)					

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M. Tech in (Materials Engg)

III Semester

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1	MMD501	PROJECT PHASE - I	DC	3	-	Offered	YES/NO
		ELECTIVE COURSES (ANY TWO)					
2	MML511	CASTING & SOLIDIFICATION	DE	3	F	Offered	YES/NO
3	MML535	FAILURE ANALYSIS OF ENGINEERING MATERIALS	DE	3		Not offered	YES/NO
4	MML537	NANO MATERIALS AND CHARACTERIZATION	DE	3	H	Offered	YES/NO
5	MML521	ENVIRONMENTAL MANAGEMENT	DE	3		Not offered	YES/NO
6	MML545	NON-DESTRUCTIVE EVALUATION	DE	3		Not offered	YES/NO
		TOTAL CREDITS (DC + DE)					

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M. Tech in (Process Metallurgy)

I Semester (New Scheme 2020 onwards)

Sr. No.	Code	Course Title / Name	Type	Credit	Slot	Offered (YES / NO)	Selection
1	MML551	PHYSICAL METALLURGY AND HEAT TREATMENT OF METALS AND ALLOYS	DC	3	F	Offered	YES/NO
2	MMP551	PHYSICAL METALLURGY AND HEAT TREATMENT OF MEAS AND ALLOYS LAB	DC	1	F	Offered	YES/NO
3	MML552	METALLURGICAL THERMODYNAMICS AND KINETICS	DC	3	G	Offered	YES/NO
4	MML553	HEAT AND MASS TRANSFER IN METALLURGICAL PROCESSES	DC	3	C	Offered	YES/NO
5	MML554	THEORY AND TECHNOLOGY OF IRON MAKING	DC	3	E	Offered	YES/NO
<i>Elective Courses(Any Two)</i>							
6	MML555	CORROSION SCIENCE AND SURFACE ENGINEERING	DE	3		Not offered	YES/NO
7	MMP555	CORROSION SCIENCE AND SURFACE ENGINEERING LAB	DE	1		Not offered	YES/NO
8	MML558	SOLIDIFICATION PROCESSING AND FOUNDRY PRACTICE	DE	3	H	Offered	YES/NO
9	MMP558	SOLIDIFICATION PROCESSING AND FOUNDRY PRACTICE	DE	1	H	Offered	YES/NO
10	MML557	BENEFICIATION AND AGGLOMERATION TECHNOLOGY	DE	3		Not offered	YES/NO
11	MMP557	BENEFICIATION AND AGGLOMERATION TECHNOLOGY	DE	1		Not offered	YES/NO
12	MML556	FERRO-ALLOY TECHNOLOGY	DE	3		Not offered	YES/NO
13	MMP556	FERRO-ALLOY TECHNOLOGY	DE	1		Not offered	YES/NO
14	MML527	SOLID-WASTE MANAGEMENT	DE	3		Not offered	YES/NO
15	MML530	REFRACTORIES AND CERAMICS	DE	3	D	Offered	YES/NO
16	MML520	METALLURGY OF LIGHT METALS	DE	3		Not offered	YES/NO
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III Semester

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1	MMD501	PROJECT PHASE - I	DC	3	-	Offered	YES/NO
		ELECTIVE COURSES (ANY TWO)					
2	MML513	CORROSION PROCESS AND CONTROL	DE	3		Not offered	YES/NO
3	MML486	FAILURE ANALYSIS	DE	3		Not offered	YES/NO
4	MML520	METALLURGY OF LIGHT METALS	DE	4		Not offered	YES/NO
5	MML523	SECONDARY PROCESSING OF LIQUID STEELS	DE	3	F	Offered	YES/NO
6	MML527	SOLID WASTE MANAGEMENT	DE	3		Not offered	YES/NO
7	MML530	REFRACTORIES AND CERAMICS	DE	3	D	Offered	YES/NO
8	MML545	NON-DESTRUCTIVE EVALUATION	DE	3		Not offered	YES/NO
9	MML580	ALUMINIUM TECHNOLOGY	DE	3		Not offered	YES/NO
		TOTAL CREDITS (DC + DE)		9			YES/NO

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