

SCHEME OF EXAMINATION AND COURSE OF STUDY



DIPLOMA IN MECHANICAL ENGINEERING FOR WORKING PROFESSIONALS (w.e.f. 2023-2024)

Department of Mechanical Engineering

**FACULTY OF ENGINEERING & TECHNOLOGY
GURUKULA KANGRI (DEEMED TO BE
UNIVERSITY), HARIDWAR**

Syllabus

Diploma in ME for Working Professionals

(Semester-III)

S.NO.	COURSE CODE	COURSE OPTED	SUBJECT	Period per week			EVALUATION SCHEME				Credit	Subject TOTAL
							SESSIONAL EXAM.			EXAM. ESE		
				L	T	P	CT	TA	TOTAL			
THEORY SUBJECTS												
1	DMW-C301	ESC	Applied Mechanics	3	1	0	20	10	30	70	4	100
2	DMW-C302	ESC	Material Science	3	1	0	20	10	30	70	4	100
3	DMW-C303	ESC	Workshop Technology-I	3	1	0	20	10	30	70	4	100
4	DMW-C304	ESC	Thermodynamics	3	1	0	20	10	30	70	4	100
PRACTICAL // TRAINING / PROJECT												
5	DMW-C352	ESC	Material's Lab	0	0	2	20	10	30	70	1	100
6	DMW-C353	ESC	Workshop Technology-I Lab	0	0	2	20	10	30	70	1	100
7	DMW-C354	ESC	Thermodynamics Lab	0	0	2	20	10	30	70	1	100
8	DMW-C355	ESC	Machine Drawing	0	0	2	20	10	30	70	1	100
TOTAL				12	4	8	160	80	240	560	20	800

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(Semester IV)

S.N O.	COURSE CODE	COURSE OPTED	SUBJECT	Period per week			EVALUATION SCHEME				Credit	Subject TOTAL
							SESSIONAL EXAM.			EXAM. ESE		
				L	T	P	CT	TA	TOTAL			
THEORY SUBJECTS												
1	DMW-C401	ESC	Measurement & Metrology	3	1	0	20	10	30	70	4	100
2	DMW-C402	ESC	Hydraulic Machine	3	1	0	20	10	30	70	4	100
3	DMW-C403	ESC	Fundamentals of I.C Engine and Automobile	3	1	0	20	10	30	70	4	100
4	DMW-C404	ESC	Strength of Materials	3	1	0	20	10	30	70	4	100
LABORATORY SUBJECTS												
5	DMW-C451	ESC	Measurement & Metrology Lab	0	0	2	20	10	30	70	1	100
6	DMW-C452	ESC	Hydraulic Machine Lab	0	0	2	20	10	30	70	1	100
7	DMW-C453	ESC	Fundamentals of I.C Engine and Automobile Lab	0	0	2	20	10	30	70	1	100
8	DMW-C454	ESC	Fundamental of Computer Applications Lab	0	0	2	20	10	30	70	1	100
TOTAL				12	4	8	160	80	240	560	20	800

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Diploma in ME for Working Professionals

(Semester-V)

S.NO.	COURSE CODE	COURSE OPTED	SUBJECT	Period per week			EVALUATION SCHEME				Credit	Subject TOTAL
							SESSIONAL EXAM.			EXAM. ESE		
				L	T	P	CT	TA	TOTAL			
THEORY SUBJECTS												
1	DMW-C501	ESC	Dynamics of Machine	3	1	0	20	10	30	70	4	100
2	DMW-C502	ESC	CNC Machines and Automation	3	1	0	20	10	30	70	4	100
3	DMW-C503	ESC	Workshop Technology - II	3	1	0	20	10	30	70	4	100
4	DMW-C504	ESC	Industrial Engineering	3	1	0	20	10	30	70	4	100
5	DMW-C551	ESC	Dynamics of Machine Lab	0	0	2	20	10	30	70	1	100
6	DMW-C552	ESC	CNC Machines and Automation Lab	0	0	2	20	10	30	70	1	100
7	DMW-C553	ESC	Workshop Technology – II Lab	0	0	2	20	10	30	70	1	100
8	DMW-C560	ESC	Minor Project	0	0	2	20	10	30	70	1	100
TOTAL				12	4	8	160	80	240	560	20	800

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Diploma in ME for Working Professionals

(Semester-VI)

S.NO.	COURSE CODE	COURSE OPTED	SUBJECT	Period per week			EVALUATION SCHEME				Credit	Subject TOTAL
							SESSIONAL EXAM.			EXAM. ESE		
				L	T	P	CT	TA	TOTAL			
THEORY SUBJECTS												
1	DMW-C601	ESC	CAD (Computer Aided Design)	3	1	0	20	10	30	70	4	100
2	DMW-C602	ESC	Refrigeration and Air Conditioning	3	1	0	20	10	30	70	4	100
3	DMW-C603	ESC	Production Management	3	1	0	20	10	30	70	4	100
4	DMW-C604	ESC	Maintenance Management	3	1	0	20	10	30	70	4	100
PRACTICAL / TRAINING / PROJECT												
5	DMW-C651	ESC	CAD (Computer Aided Design) Lab	0	0	2	20	10	30	70	1	100
6	DMW-C652	ESC	Refrigeration and Air Conditioning Lab	0	0	2	20	10	30	70	1	100
7	DMW-C653	ESC	Major Project	0	0	4	40	20	60	140	2	200
TOTAL				12	4	8	160	80	24	560	20	800