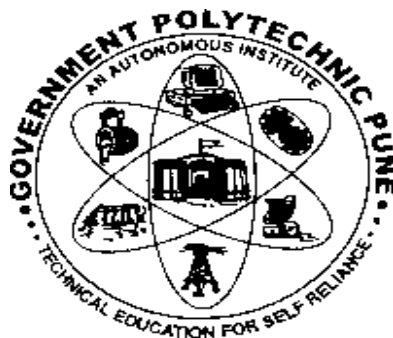


DIPLOMA IN MECHANICAL ENGINEERING

Level - I : Foundation Level Courses

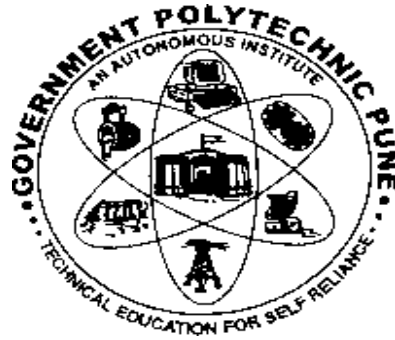
Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	Compulsory / Optional	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	TW	O R	P R	C. D	T.M .
1	HU 181	English		Compulsory	2	2	0	4	20	80	25	--	--	--	125
2	HU 182	Communication Skills		Compulsory	2	2	0	4	20	80	--	25	--	--	125
3	SC 181	Applied Mathematics -I		Compulsory	3	0	1	4	20	80	--	--	--	--	100
4	SC 182	Applied Mathematics II		Compulsory	3	0	1	4	20	80	--	--	--	--	100
5	SC 183	Engineering Physics		Compulsory	3	2	0	5	20	80	--	--	50	--	150
6	SC 184	Engineering Chemistry		Compulsory	3	2	0	5	20	80		--	50	--	150
7	6	TOTAL		Compulsory	16	8	2	26	120	480	25	25	100	--	750



DIPLOMA IN MECHANICAL ENGINEERING

Level - II A : Core Technology Courses

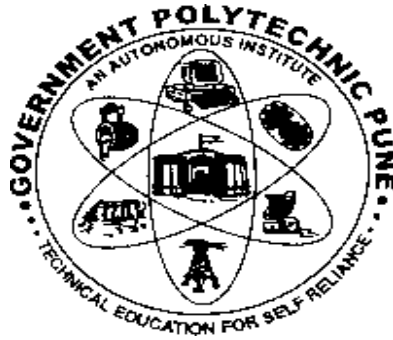
Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	COMPULSORY / OPTIONAL	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	TW	O R	P R	C. D	T. M.
1	ME 281	Engineering Graphics		COMPULSORY	2	4	0	6	20	80	25	--	--	--	125
2	ME 282	Computer Aided Drafting		COMPULSORY	1	2	0	3	0	0	25	--	50	--	75
3	WS 281	Work Shop Practice		COMPULSORY	0	4	0	4	0	0	50	--	--	--	50
4	AM 281	Engineering Mechanics		COMPULSORY	4	2	0	6	20	80	25	--	--	--	125
5	EE 282	Electrical Technology		COMPULSORY	3	2	0	5	20	80	25	--	--	--	125
6	ET 285	Elements of Electronics Engineering		COMPULSORY	3	2	0	5	20	80	25	--	--	--	125
7	CM 286	Computer Fundamentals		COMPULSORY	1	2	0	3	0	0	25	--	50	--	75
	7	TOTAL			14	18	0	32	80	320	200	0	100		700



DIPLOMA IN MECHANICAL ENGINEERING

Level - II B: Core Technology Courses

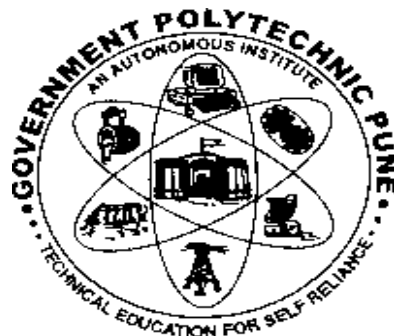
Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	COMPULSORY / OPTIONAL	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	TW	O R	P R	C. D	T. M.
1	SC 281	Applied Maths - III		Any one	2	0	1	3	20	80	--	-	--	--	100
2	ME 283	Programming in C			1	2	0	3	0	0	50	-	50	--	100
	1	TOTAL			1	2	0	3	20	80	50		50	--	100



DIPLOMA IN MECHANICAL ENGINEERING

Level III – Basic Technology Courses

Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	COMPULSORY / OPTIONAL	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	TW	O R	P R	C. D	T.M .
1	ME 381	Machine Drawing	ME 281	COMPULSORY	3	4	0	7	20	80	25	0	--	--	125
2	ME 382	Thermodynamics & Heat Engines		COMPULSORY	3	2	0	5	20	80	25	25	--	--	150
3	ME 383	Fluid Mechanics & Fluid Machinery		COMPULSORY	3	2	0	5	20	80	25		25		150
4	ME 384	Mechanical Measurement		COMPULSORY	2	2	0	4	10	40	25	--	--		75
5	ME 385	Theory of Machines & Mechanisms		COMPULSORY	4	2	0	6	20	80	25	25	--	C. D	150
6	MT 388	Mechanical Engineering Materials	SC 184	COMPULSORY	2	0	2	4	20	80	25	--	--	--	125
7	WS 381	Manufacturing Processes		COMPULSORY	2	4	0	6	20	80	25		25	--	150
8	AM 384	Strength of Materials	AM 281	COMPULSORY	4	2	0	6	20	80	25	0	--	--	125
8		TOTAL			23	18	2	43	150	600	200	50	50	--	1050

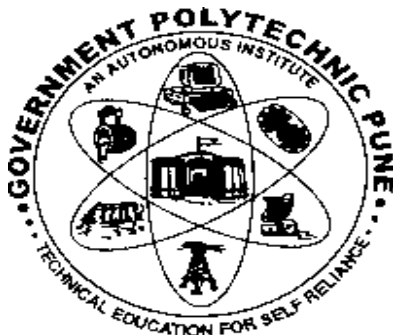


DIPLOMA IN MECHANICAL ENGINEERING

Level IV – Applied Technology Courses

LEVEL IV GROUP A

Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	COMPULSORY / OPTIONAL	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	T W	O R	P R	C. D	T.M .
1	AU 481	Environmental Science	-	Compulsory	0	2	0	2	0	0	50	0	0		50
2	AU 482	Community Development	Any One	Optional	2	0	0	2	20	80	0	0	0		100
3	AU 483	Renewable & sustainable energy		Optional	2	0	0	2	20	80	0	0	0		100
4	AU 484	Engineering Economics		Optional	2	0	0	2	20	80	--	--	--		100
	2	Total			2	2	0	4	20	80	50	0	0		150

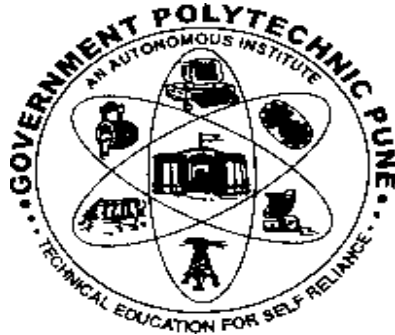


DIPLOMA IN MECHANICAL ENGINEERING

Level IV – Applied Technology Courses

LEVEL IV GROUP B

Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	COMPULSORY / COMPULSORY	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	T W	O R	P R	C. D	T.M .
1	MA 481	Construction Mngement	Any One	Optional	3	0	0	3	20	80	--	--	--		100
2	MA 482	Industrial Organisation & Mngement		Optional	3	0	0	3	20	80	--	--	--		100
3	MA 483	Entrepreneursh ip Development		Optional	3	0	0	3	20	80	--	--	--		100
4	MA 484	Materials Management		Optional	3	0	0	3	20	80	--	--	--		100
5	MA 485	Superviosary Management		Optional	3	0	0	3	20	80	--	--	--		100
6	MA 486	Total Quality Management		Optional	3	0	0	3	20	80	--	--	--		100
7	MA 487	Management Information System		Optional	3	0	0	3	20	80	--	--	--		100
	1	Total			3	0	0	3	20	80					100

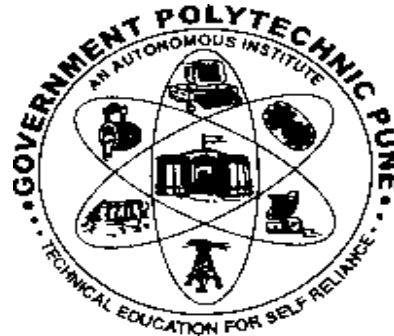


DIPLOMA IN MECHANICAL ENGINEERING

Level IV – Applied Technology Courses

LEVEL IV GROUP C

Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	COMPULSORY / COMPULSORY	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	T W	O R	P R	C. D	T.M .
1	ME 481	Project & Seminar	90	COMPULSORY	0	8	0	8	50		50	50		C. D	150
2	ME 482	Power Engineering	ME 382	COMPULSORY	4	2	0	6	20	80	25	25		C. D	150
3	ME 483	Industrial Hyd. & Pneumatics.		COMPULSORY	4	2	0	6	20	80	25	25		C. D	150
4	ME 484	Prod. Planning and Control		COMPULSORY	3	2	0	5	20	80	25	25		--	150
5	ME 485	Design of Machine Elements	AM 384	COMPULSORY	4	2	0	6	20	80	25	25		C. D	150
6	ME 486	Metrology & Quality Control		COMPULSORY	4	2	0	6	20	80	25		25	C. D	150
7	WS 481	Production Technology		COMPULSORY	4	4	0	8	20	80	25		25	--	150
	7	TOTAL			23	22	0	45	170	480	200	150	50	--	1050

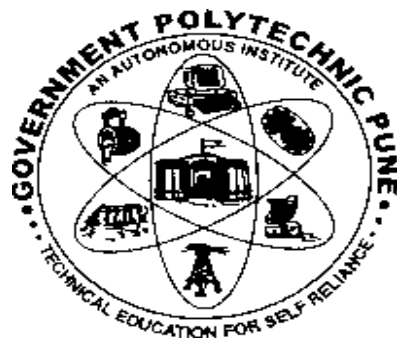


DIPLOMA IN MECHANICAL ENGINEERING

Level IV – Applied Technology Courses

LEVEL IV GROUP D

Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	COMPULSORY / COMPULSORY	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	T W	O R	P R	C. D	T. M.
1	NC 481	Development of Soft Skill-I		COMPULSORY	0	2	0	2			25				25
2	NC 482	Development of Soft Skill-II		COMPULSORY	0	2	0	2			25				25
	2	TOTAL			0	4	0	4			50				50



DIPLOMA IN MECHANICAL ENGINEERING

Level V – Diversified Courses

Sr. No	COURSE CODE	COURSE TITLE	PRE-REQUISITE	COMPULSORY / COMPULSORY	TEACHING SCHEME				EXAMINATION SCHEME						
					L	P	T	C	P A	T H	T W	OR	P R	C. D	T.M .
1	WS 581	CNC&Adva. Manufacturing	WS 381	COMPULSORY	3	3	0	6	20	80	25	25	--	C. D	150
2	ME 581	Refrigeration & Air conditioning		Any Three	4	2	0	6	20	80	25	25	--	C. D	150
3	ME 582	Instrumentation & Control			4	2	0	6	20	80	25	25	--	C. D	150
4	ME 583	Tool Engineering.			4	2	0	6	20	80	25	25	--	C. D	150
5	ME 584	Automobile Engineering			4	2	0	6	20	80	25	25	--	C. D	150
6	ME 585	Advanced welding Technology			4	2	0	6	20	80	25	25	--	C. D	150
7	ME 586	Mechatronics			4	2	0	6	20	80	25	25	--	C. D	150
8	ME 587	Computer aided 3D Modelling			2	4	0	6	50	--	50	--	50	C. D	150
	4	TOTAL				13	11	0	24	80	320	75	125	100	--

Total Credits	180
Total No. Courses	38
No. of Courses with Theory Examination	29-31
No. of Courses with Practical Examination	19
No. of Courses without Theory Examination	7-9
Total Marks	4500
Marks for Class Declaration	1500
Theory Paper Marks for Class Declaration	900
Theory : Practical Ratio	52/48
Class Declaration Courses	10

Level	Credits
I	26
II – A	32
II – B	3
III	43
IV A	4
IV – B	3
IV – C	45
IV – D	4
V	24
Total	180