



Government Polytechnic, Pune

(An Autonomous Institute of Government of Maharashtra)
Ganeshkhind, University Road, Shivajinagar, Pune-411016, Maharashtra, India.

120 NEP Curriculum With Effect From Academic Year:2023-24 For Learning And Assesment Scheme For Admitted Batch:2023-24

Programme Name: Diploma in MECHANICAL ENGINEERING.

Programme Code: ME

Duration of Programme: 6 Terms

Term Duration: 16 Weeks

Scheme: 120-NEP

Path: NEP1

Sr. No.	Course Code	Course Name	Course Category	Prerequisite	IKS Hrs	Learning Scheme					Credits	Paper Duration (hrs.)	Assesment Scheme												Total Marks	CD	
						Actual Contact Hrs./Week			Self Learning (Term Work + Assignment)	Notional Learning Hrs /Week			Theory				Based on LL & TL Practical				Based on Self Learning						
						CL	TL	LL					FA-TH	SA-TH	Total		FA-PR		SA-PR		SLA						
															Max	Min	Max	Min	Max	Min	Max	Min					
TERM - 5																											
1	ME41205	DESIGN OF MACHINE ELEMENTS	DSC	AM31201	--	4	--	2	--	6	3	4	30	70	100	40	25	10	25#	10	--	--	150	Yes			
2	ME51205	INDUSTRIAL ROBOTICS	DSC	--	--	3	--	2	1	6	3	1	15	35#	50	20	25	10	--	--	25	10	100	No			
3	ME41203	POWER ENGINEERING	DSC	ME31202	--	4	--	2	--	6	3	3	30	70	100	40	25	10	25#	10	--	--	150	Yes			
4	ME41204	INDUSTRIAL AUTOMATION	DSC	--	--	3	--	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175	Yes			
5	ME41207	CAPSTONE PROJECT	INP	Minimum 60 credits must be acquired	--	--	--	4	--	4	2	--	--	--	--	--	50	20	50#	20	--	--	100	Yes			
ELECTIVE-I (ANY 1)																											
6	ME51202	HEATING VENTILATION, AIR CONDITIONING AND REFRIGERATION (HVAC)	DSE	ME31202	--	3	--	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175	Yes			
7	ME51203	AUTOMOBILE ENGINEERING	DSE	--	--	3	--	2	1	6	3	3	30	70	100	40	25	10	25#	10	25	10	175	Yes			
ELECTIVE-II (ANY 1)																											
8	ME41206	MANUFACTURING SYSTEM ENGINEERING	DSE	WS51201	--	2	--	2	2	6	3	2	15	35	50	20	25	10	25#	10	25	10	125	Yes			
9	ME51208	COLD CHAIN MANAGEMENT	DSE	--	--	3	--	2	1	6	3	2	15	35	50	20	25	10	25#	10	25	10	125	Yes			
Total:					--	19	--	16	5	40	20		150	350	500		200		175		100		975				

Abbreviations : CL - Classroom Learning , TL- Tutorial Learning, LL-Laboratory Learning, FA - Formative Assessment, SA -Summative Assessment, IKS - Indian Knowledge System, SLA - Self Learning Assessment, CD : Class Declaration

Legends : @ Internal Assessment, # External Assessment, *# On Line Examination , @\$ Internal Online Examination

Note :

1. FA-TH represents average of two class tests of 30 marks each conducted during the semester.
2. If candidate is not securing minimum passing marks in FA-PR of any course then the candidate shall be declared as "Detained" in that course.
3. If candidate is not securing minimum passing marks in SLA of any course then the candidate shall be declared as fail and will have to repeat and resubmit SLA work.
4. Notional Learning hours for the semester are (CL+LL+TL+SL)hrs.* 15 Weeks
5. 1 credit is equivalent to 30 Notional hrs.
6. * Self learning hours shall not be reflected in the Time Table.
7. Course Category : Discipline Specific Course Core (DSC) : 4, Discipline Specific Elective (DSE) : 4, Value Education Course (VEC) : 0, Intern./Apprenti./Project./Community (INP) : 1, Ability Enhancement Course (AEC) : 0, Skill Enhancement Course (SEC) : 0, Generic Elective (GE) : 0


Name & Signature
(Programme CDC Incharge)


Name & Signature
(Programme Head)


Name & Signature
(CDC Incharge)