Course Title	12-09-2025 01:00:57 P														5 01:00:57 PM										
Programme Name   Sipjoma   Mechanical Engineering   Programme Code   Similar   Signature   Signature	Maharashtra State Board Of Technical Education, Mumbai																								
Variation Of Programme   Signature   Sixth   Norf Entry Level   1.0   Self   Learning Scheme   Sixth   Norf Entry Level   1.0   Self   Learning Scheme   Seminary	Learning and Assessment Scheme for Post S.S.C Diploma Courses																								
Varietion Of Programme   16   Section   15   Sect	Programme Name : Diploma In Mechanical Engineering																								
Course Title   Course Title   Course Title   Course Title   Course Title   Abbrevation   Course Title   Abbrevation   Course Title   Course	Pro	Programma Coda • MK																							
Course Title   Cour																									
Course Title   Abbrevation   Course   Course   Total (Actual Hrs / More rem.)   Course   Total (Actual Hrs / More rem.)   Course   Total (Actual Hrs / More rem.)   Course   Total (Activity   Total Hrs / More rem.)   Total Hrs / More rem.   Tot																									
Course Title   Abbrevation   Course Title   Course Title   Abbrevation   Course Title   Course					1		I				-														
Sem.   CL   TL   LL   Micro   Project   Neek   Ch   TH   TH   TH   TH   TH   TH   TH   T	Sr No	Course Title	Abbrevation			IKS Hrs	Actual Contact		al act	Self Learning (Activity/	Notional Learning	Credits		·					TL		Self				
All Compulsory)    MANAGEMENT   MAN   AEC   315301   1   3   -   -   1   4   2   1.5   30   70*   100   40   -   -   -   25   10   125     DESIGN OF   MACHINE   DME   DSC   316357   -   4   -   2   2   2   8   4   4   30   70   100   40   25   10   25#   10   25#   10   25   10   175     INDUSTRIAL   ENGINEERING AND   QUALITY   CONTROL   INDUSTRIAL   HYDRAULICS AND   IHP   DSC   316363   -   4   -   2   2   -   6   3   3   30   70   100   40   25   10   25#   10   -   -   25   10   150     DESIGN OF   DME   DSC   316363   -   4   -   2   2   8   4   3   30   70   100   40   25   10   25#   10   25#   10   150     DESIGN OF   DME   DSC   316362   -   4   -   2   2   8   4   3   30   70   100   40   25   10   25#   10   -   -   25   10   150     DESIGN OF   DME   DSC   316363   -   4   -   2   2   8   4   3   30   70   100   40   25   10   25#   10   -   -   25   10   150     DESIGN OF   DME   DSC   316363   -   4   -   2   2   -   6   3   3   30   70   100   40   25   10   25#   10   -   -   25   10   150     DESIGN OF   DME   DSC   316363   -   4   -   2   2   -   6   3   3   30   70   100   40   25   10   25#   10   -   -   25   10   150     DESIGN OF   DME   DSC   316363   -   4   -   2   2   -   6   3   3   30   70   100   40   25   10   25#   10   -   -   25   10     DESIGN OF   DME   DSC   316363   -   4   -   2   2   -   6   3   3   30   70   100   40   25   10   25#   10   -   -   25   10     DESIGN OF   DME   DSC   316363   -   4   -   2   2   -   6   3   3   30   70   100   40   25   10   25#   10   -   -   25   10   150     DESIGN OF   DME   DSC   316363   -   4   -   2   2   2   8   4   4   3   3   3   70   100   40   25   10   25#   10   -   -   25   10   150     DESIGN OF   DME   DSC   316363   -   4   -   2   2   2   8   4   4   3   3   3   70   100   40   25   10   25#   10   -   -   25   10   25#   10   -   -   25   10   25#   10   -   -   25   10   25#   10   25#   10   25#   10   25#   10   25#   10   25#   10   25#   10   25#   25#   25#   25#   25#   25#   25#   25#   25#   25#   25#   25#							CL	TL	LL	/Micro			(hrs.)	TH	TH										
MANAGEMENT   MAN   AEC   315301   1   3   -     1   4   2   1.5   30   70*# 100   40   -   -   -   25   10   125     DESIGN OF   MACHINE   DME   DSC   316357   -   4   -   2   2   8   4   4   30   70   100   40   25   10   25# 10   25   10   175     INDUSTRIAL   ENGINEERING AND QUALITY   CONTROL   INDUSTRIAL   HYDRAULICS AND PNEUMATICS   3D MODELLING   3D MODELLING   3D MODELLING   3D MODELLING   AND ADDITIVE   MANUFACTURING   ADDITIVE   MANUFACTURING   CAPSTONE   CPE   INP   316004   -   -   2   2   2   4   2   -   -   -   -   50   20   50# 20   50   20   150     Total   A										Troject)				Max	Max	Max	Min	Max	Min	Max	Min	Max	Min		
DESIGN OF MACHINE ELEMENTS  DME DSC 316357 - 4 - 2 2 8 4 4 30 70 100 40 25 10 25# 10 25 10 175  INDUSTRIAL ENGINEERING AND QUALITY CONTROL  INDUSTRIAL HYDRAULICS AND PNEUMATICS  3D MODELLING AND ADDITIVE MANUFACTURING  CAPSTONE  CPE INP 316004 2 2 2 4 2 50 20 50# 20 50 20 150	(All Compulsory)																								
2 MACHINE ELEMENTS  DME DSC 316357 - 4 - 2 2 2 8 4 4 30 70 100 40 25 10 25# 10 25 10 175  INDUSTRIAL ENGINEERING AND QUALITY CONTROL  INDUSTRIAL HYDRAULICS AND PNEUMATICS  3D MODELLING AND ADDITIVE MANUFACTURING  COPE INP 316004 2 2 2 4 2 50 20 50# 20 50 20 150			MAN	AEC	315301	1	3	-	-	1	4	2	1.5	30	70*#	100	40	-	-	-	-	25	10	125	
3 ENGINEERING AND QUALITY CONTROL  IEQ DSC 316362 - 4 - 2 2 8 4 3 30 70 100 40 25 10 25 10 150 150 150 150 150 150 150 150 150	2	MACHINE	DME	DSC	316357	_	4	_	2	2	8	4	4	30	70	100	40	25	10	25#	10	25	10	175	
4 HYDRAULICS AND PNEUMATICS  3D MODELLING 5 AND ADDITIVE MANUFACTURING 6 CAPSTONE PROJECT  CPE INP 316004 2 2 2 4 2 50 20 50# 20 50 20 150		ENGINEERING AND QUALITY	IEQ	DSC	316362	-	4		2	2	8	4	3	30	70	100	40	25	10	-	-	25	10	150	
5 AND ADDITIVE MANUFACTURING 3DM SEC 316013 4 - 4 2 25 10 25# 10 50 CAPSTONE PROJECT CPE INP 316004 2 2 2 4 2 50 20 50# 20 50 20 150	4	HYDRAULICS AND	IHP	DSC	316363	4	4	1	2		6	3	3	30	70	100	40	25	10	25#	10	-	-	150	
6 PROJECT   CPE   INP   316004   -   -   -   2   2   4   2   -   -   -   -   50   20   50#   20   50   20   150		AND ADDITIVE MANUFACTURING	3DM	SEC	316013	Ē	1	-	4	<u>-</u>	4	2		-	-	-	-	25	10	25#	10	-	-	50	
Clective - II (Any - One )			СРЕ	INP	316004	7	-	-	2	2	4	2	<u>.</u>	ď		Ā	1	50	20	50#	20	50	20	150	
	Ele	ective - II (Any - One )			10.2	10								A.	- 4	4									

Si						. 1	7		Le	arning Schen	ne		Assessment Scheme											
	Sr No	Course Title	Abbrevation	Course Type	Course Code	Total IKS Hrs for	Actual Contact Hrs./Week		ct	Self Learning (Activity/ Assignment	Notional Learning Hrs	Credits	Paper Duration	Theory					Based on LL & TL  Practical			Based on Self Learning		Total Marks
						Sem.	CL	TL	LL		/Week		(hrs.)		FA- SA- TH TH		tal	FA-PR		SA-PR		SLA		Marks
										1 Toject)				Max	Max	Max	Min	Max	Min	Max	Min	Max	Min	
	INTI MAN	MPUTER EGRATED NUFACTURING STEMS	CIM	DSE	316359	-	4	1	2	9	6	3	3	30	70	100	40	25	10	25#	10	1	1	150
	ENE AND	ERNATIVE ERGY SOURCES DENERGY NAGEMENT	AEM	DSE	316364	-	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	1	1	150
		LD CHAIN NAGEMENT	CCM	DSE	316365	2	4	-	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150
Total						3	19		14	7		20		150	350	500		175		150		125		950

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

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 semester.
- 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. \* Self learning includes micro project / assignment / other activities.

Course Category: Discipline Specific Course Core (DSC), Discipline Specific Elective (DSE), Value Education Course (VEC), Intern./Apprenti./Project./Community (INP) AbilityEnhancement Course (AEC), Skill Enhancement Course (SEC), GenericElective (GE)