



# Government Polytechnic, Pune

(An Autonomous Institute of Government of Maharashtra, Maharashtra, India)

## Learning and Assessment Scheme

Programme Name: Diploma in Computer Engineering.

Programme Code: CM

Duration of Programme: 6 Terms

Scheme: 120-NEP

Semester: Fifth

With Effect From Academic Year: 2023-24

Term Duration: 15 Weeks

Path: NEP1

Sr. No.	Course Code	Course Name	Course Prerequisite	Course Category	IKS Hrs	Learning Scheme					Credits	Paper Duration (hrs.)	Assesment Scheme														CD COURSE
						Actual Contact Hrs./Week			Self Learning (Term Work + Assigmenmt)	Based on LL & TL Practical			Based on Self Learning SLA			Total Marks											
						CL	TL	LL		FA-TH			SA- TH	Total			FA-PR	SA-PR	SLA								
														Max	Min				Max	Min	Max	Min	Max	Min			
1	CM41205	JAVA PROGRAMMING	-	DSC	-	3	1	2	-	6	3	3	30	70	100	40	25	10	25#	10	-	-	150	YES			
2	CM41206	SOFTWARE ENGINEERING AND SOFTWARE TESTING	-	DSC	-	3	1	2	2	8	4	3	30	70*#	100	40	25	10	25 @	10	25	10	175	NO			
3	CM41207	CAPSTONE PROJECT	Minimum 60 credits must be aquired	INP	-	-	-	4	-	4	2	-	-	-	-	-	50	20	50#	20	-	-	100	YES			
4	CM51203	MOBILE APPLICATION DEVELOPMENT	-	SEC	-	2	-	4	2	8	4	-	-	-	-	-	50	20	50#	20	50	20	150	YES			
ELECTIVE-I (ANY ONE)																											
5	CM51204	SERVER SIDE SCRIPTING USING JSP	-	DSE	-	4	-	2	2	8	4	3	30	70	100	40	25	10	25#	10	25	10	175	YES			
	CM51205	CYBER SECURITY	-	DSE	-	4	-	2	2	8	4	3	30	70	100	40	25	10	25#	10	25	10	175	YES			
	CM51206	ADVANCED DATABASE MANAGEMENT SYSTEM	CM41201	DSE	-	4	-	2	2	8	4	3	30	70	100	40	25	10	25#	10	25	10	175	YES			
ELECTIVE-II (ANY ONE)																											
6	CM51207	CLOUD COMPUTING		DSE	-	4	-	2		6	3	3	30	70	100	40	25	10	25#	10	-	-	150	YES			
	CM51208	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING		DSE	-	4	-	2		6	3	3	30	70	100	40	25	10	25#	10	-	-	150	YES			
	CM51209	PROGRAMMING USING PHP	CM21205	DSE	-	4	-	2		6	3	3	30	70	100	40	25	10	25#	10	-	-	150	YES			
Total:					0	16	2	16	6	40	20		120	280	400		200		200		100		900				

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 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+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) : 3, Discipline Specific Elective (DSE) : 0, Value Education Course (VEC) : 1, Intern /Apprenti /Project /Community (INP) : 0, Ability Enhancement Course (AEC) : 2, Skill Enhancement Course (SEC) : 2, Generic Elective (GE) : 0.

 - J.P. Dandale  
Name and Sign of Department CDC

 A.S. Paik

  
Name and Sign of Head of Department  
Hange J R

  
Name and Sign of Institute CDC