

# Course Structure Report

## Government Polytechnic, Chhatrapati Sambhaji Nagar

### Learning and Assessment Scheme for Post S.S.C Diploma Courses

**Programme Name:** Diploma in DIPLOMA IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING .

**Programme Code:** AIML

**With Effect From Academic Year:** 2023-24

**Duration Of Program:** 15 WEEKS

**With Effect From Academic Year:** 2023-24

**Semester:** 4

**Revision:** 7

Sr. No.	Course Code	Course Name	Course Abbr	Course Category	Course Type	IKS Hrs	Learning Scheme			Notional Learning Hrs /Week	Credits	Paper Duration (hrs.)	Assesment Scheme										Total Marks			
							Actual Contact Hrs./Week						Self Learning Hrs			Theory			Based on LL & TL Practical				Based on Self Learning			
							CL	TL	LL				FA-TH	SA-TH	Total	FA-PR		SA-PR		SLA						
																Max	Max	Max	Min	Max	Min	Max	Min			
1	7N107	ADVANCE MATHEMATICS FOR MACHINE LEARNING	MTL	Compulsory	DSC	--	3	1	--	--	4	2	3	30	70	100	40	--	--	--	--	--	100			
2	7N103	ARTIFICIAL INTELLIGENCE	ANS	Compulsory	DSC	--	3	--	2	1	6	3	3	30	70	100	40	25	10	25@	10	25	10	175		
3	7R108	DATA COMMUNICATION AND COMPUTER NETWORK	DCN	Compulsory	DSC	--	4	--	2	2	8	4	3	30	70	100	40	25	10	--	--	25	10	150		
4	7N106	DATA HANDLING WITH PYTHON	DHP	Compulsory	DSC	--	--	--	4	2	6	3	--	--	--	--	--	50	20	--	--	50	20	100		
5	7G304	ESSENCE OF INDIAN CONSTITUTION	EIC	Compulsory	VEC	--	1	--	--	1	2	1	--	--	--	--	--	--	--	--	--	50	20	50		
6	7R604	OOP USING JAVA	OOJ	Compulsory	SEC	--	3	--	4	1	8	4	3	30	70	100	40	50	20	25@	10	25	10	200		
<b>ELECTIVE COURSE (FROM A LIST -A)</b>																										
7	7R201	CLOUD COMPUTING	CCG	Elective	DSE	--	4	--	2	--	6	3	3	30	70	100	40	25	10	25#	10	--	--	150		

8	7N201	NATURAL LANGUAGE PROCESSING	NLP	Elective	DSE	--	4	--	2	--	6	3	3	30	70	100	40	25	10	25#	10	--	--	150				
9	7N202	REINFORCEMNT LEARNING	RFL	Elective	DSE	--	4	--	2	--	6	3	3	30	70	100	40	25	10	25#	10	--	--	150				
10	7R205	ROBOTICS AND AUTOMATION ENGINEERING	RAE	Elective	DSE	--	4	--	2	--	6	3	3	30	70	100	40	25	10	25#	10	--	--	150				
<b>Total:</b>						<b>0</b>	<b>18</b>	<b>1</b>	<b>14</b>		<b>7</b>		<b>40</b>		<b>20</b>			<b>150</b>	<b>350</b>	<b>500</b>		<b>175</b>		<b>75</b>		<b>175</b>		<b>925</b>
										<b>33</b>																		

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, \*\* per week

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.
5. 1 credit is equivalent to 40 Notional Learning hrs for Internship and 30 Notional Learning hrs for all other courses.
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) : 1, Intern./Apprenti./Project./Community (INP) : 0, AbilityEnhancement Course (AEC) : 0, Skill Enhancement Course (SEC) : 1, Generic Elective (GE) : 0
8. % EDS Laboratory learning LL will be conducted on holidays in online mode by concerned faculty
9. \* INP - 03 weeks winter vacation + 13 weeks even term duration. Total 16 Weeks
10. last 02 weeks of even semester, students will complete submission/assessment/examination in the institute only

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