

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

						Learning Scheme					Assesment Scheme													
Sr. No.	Course Code	Course Name	Course Abbr	Course Category	Course Type	IKS Hrs	Actual Contact Hrs./Week			Self Learning Hrs	Notional Learning Hrs /Week	Credits	Paper Duration (hrs.)	Theory				Based on LL & TL Practical				Based on Self Learning		Total Marks
							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
ELECTIVE COURSE (FROM A LIST -A)																								
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
Total:						0	18	1	14	7	40	20		150	350	500		175		75		175		925
								33																

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 Declearation																								
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																								

Export to Excel