Government Polytechnic, Mumbai

Department of Computer Engineering

P-23 Scheme

Semester VI

(Course Contents)

Programme: Diploma in Computer Engineering

(Sandwich Pattern)

GOVERNMENT POLYTECHNIC MUMBAI

(Academically Autonomous Institute, Government of Maharashtra)

Learning and Assessment Scheme (P23)

With effect from AY 2023-24

Programme: Diploma in AI/CE/CO/EE/EC/IT/IS/ME/LT/LG/RT　　　　　　　　　　**Term / Semester – VI**

S. N.	Course Title	Course Type	Course Code	Total IKS Hrs for Sem	Actual Contact Hrs/Week CL	TL	LL	Self Learning Hrs/Week	Notional Learning Hrs/Week	Credits	Paper Duration (Hrs)	FA-TH T1 Max	FA-TH T2 Max	SA-TH Max	Total Max	Total Min	FA-PR Max	FA-PR Min	SA-OR PR Max	SA-OR OR Max	SA-OR Min	SLA Max	SLA Min	Total Marks
1	Inplant Training	INP	IP23401	-	-	-	40	6	40	20	-	-	-	-	-	-	200	80	-	200	80	-	-	400
	Total			-	-	-	40	6	40	20		-	-	-	-	-	200	80	-	200	80	-	-	400

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 two class tests of 20 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.* 16 Weeks

5. 1 credit is equivalent to 30 Notional hrs.

6. * Self learning hours shall not be reflected in the Time Table.

Course Category : Discipline Specific Course Core (DSC) : 0, Discipline Specific Elective (DSE) : 0, Value Education Course (VEC) : 0, Intern./Apprenti./Project./Community (INP) : 1, Ability Enhancement Course (AEC) : 0, Skill Enhancement Course (SEC) : 0, Inter Disciplinary Elective (IDE) : 0

Department Coordinator,　　　　　　　Head of Department　　　　　　　In-Charge　　　　　　　　　　　　Principal
Curriculum Development,　　　　　　Dept. of Computer Engineering　　Curriculum Development Cell
Dept. of Computer Engineering

Programme: Diploma in AI/CE/CO/EE/EC/IT/IS/ME/LT/LG/RT

Course Code: IP23401	Course Title: Inplant Training

Compulsory / Optional: Compulsory

Learning Scheme and Credits						Assesement Scheme						
CL	TL	LL	SLH	NLH	Credits	FA-TH		SA-TH (2.30 Hrs.)	FA-PR	SA		SLA	Total
						T1	T2			PR	OR		
-	-	40	6	40	20	-		-	200	-	200	-	400

Total IKS Hrs. for course: -

Abbreviations: CL- Classroom Learning, TL- Tutorial Learning, LL- Laboratory Learning, SLH-Self Learning Hours, NLH- Notional Learning Hours, FA - Formative Assessment, SA -Summative assessment, SLA- Self Learning Assessment
Legends: @ Internal Assessment, # External Assessment, *# On Line Examination, @$ Internal Online Examination

Note:
1. FA-PR represents formative assesement of 200 marks.
2. SA-OR represents Summative assesement of 200 marks.

I. Rationale:

Inplant training bridges the gap between academic theory and real-world industry application, providing students with practical skills, industry exposure, and enhanced employability.

II. Industry / Employer Expected Outcome: The aim of this course is to help the student to attain the following industry identified competency through various teaching learning experiences:

- Acquiring fresh perspectives and potential future hires, developing a skilled talent pool to fill immediate needs, and improving productivity through the application of new ideas and solutions.

III.   Course Outcomes: Students will be able to achieve & demonstrate the following COs on completion of course based learning

CO1	Apply engineering knowledge to industrial practices.
CO2	Operate tools, equipment, and software safely.
CO3	Work effectively in teams with good communication.
CO4	Identify and solve practical engineering problems.
CO5	Understand quality standards, ethics, and workplace culture

IV. **Course Content Details**

IMPORTANT GUIDELINES FOR STUDENTS

- Students will be placed in different industries for in-plant training. Student has to complete minimum 20 weeks of training **or** 800 hours (considering 5 days/week x 8 hrs per shift x 20 weeks) of training **or** number of weeks of training as per the norms of the respective industries.

- During In-plant training, student will be assigned to a polytechnic supervisor and industry supervisor. Polytechnic supervisor will visit the industry during training, guide the students, and resolve the issues of students if any. Industry supervisor will be the officer/shop in-charge/work manager etc., under whom student is working in industry daily.

- Student has to maintain in-plant training diary & in-plant training manual regularly.

- Student has to prepare the In-plant training report at the end of training under the supervision of polytechnic supervisor and industry supervisor.

- Student has to present their work in a seminar.

- TW will consist of updated and signed/certified copies of daily in-plant training diary, weekly diary/in-plant training manual, and In-plant training report.

- Participating/completing specific project, mini project, special assignment etc. and including it in in-plant training report will be an added advantage for the students.

V. **Assesement Methodology**

Type of Assesement	Formative Assesement		Summative Assesement		
Assessor	Institute mentor /guide	Industry Supervisor / guide	Institute mentor /guide		Industry Supervisor / guide
Criterions	(On the basis of In-plant training diary & Manual)	(On the basis of Attendance & Performance at Industry)	Oral	Presentation/ Seminar	Oral
Allotted Marks	100	100	50	100	50

VI.   CO Vs PO and CO Vs PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO 1	3	3	2	2	2	1	1	3	3	3
CO 2	2	2	3	3	2	2	2	3	3	3
CO 3	2	2	2	1	3	2	3	3	3	3
CO 4	3	3	3	2	2	2	2	3	3	3
CO 5	2	2	2	1	2	2	3	3	3	3

VII.   Consultation Committee:

Sr. No	Name	Designation	Institute/Organization
1	Ms. Pritam A. Khande	Lecturer in Electronics Engineering	Govt. Polytechnic Mumbai
2	Ms. Swati T. Shinde	Lecturer in Instrumentation Engineering	Govt. Polytechnic Mumbai
3	Ms. Namrata Wankhade	Lecturer in Information Technology	Govt. Polytechnic Mumbai
4	Dr. Mahesh S. Narkhede	Incharge -Curriculum Development Cell	Govt. Polytechnic Mumbai

Coordinator,   Head of Department

Curriculum Development,   Department of Computer Engineering

Department of Computer Engineering

I/C, Curriculum Development Cell   Principal