

Government Polytechnic Mumbai

Department of Instrumentation Engineering

P-19R Curriculum

Semester- VI

(Course Contents)

GOVERNMENT POLYTECHNIC MUMBAI
 (Academically Autonomously Institute, Government of Maharashtra)
Teaching and Examination Scheme (P-19R)
With effect from AY 2022-23

Programme: Diploma in Instrumentation Engineering (Sandwich Pattern)

Term / Semester - VI

Course Code	Course Title	Teaching Hours/Contact Hours				Credits	Examination Scheme (Marks)						
		L	P	TU	Total		Theory			PR	OR	TW	Total
							TH	TS1	TS2				
IS19R308	Inplant training	--	40	--	40	20	--	--	--	--	100*	100	200
	Total	--	40	--	40	20	--	--	--	--	100	100	200
Total Contact Hours					40								

Abbreviations: L- Theory Lecture, P-Practical, TU-Tutorial, TH- Theory Paper TS1 & TS2- Term Tests, PR-Practical, OR-Oral, TW: Term Work (progressive assessment)

* Indicates assessment by External Examiner else internal assessment, # indicates Self, on- line learning Mode, @ indicates on line examination

Coordinator,
Curriculum Development,
Department of Instrumentation Engg.

In-Charge
Curriculum Development Cell

Head of Departments
Department of Instrumentation Engg.

Principal

Programme : Diploma in Instrumentation Engineering (Sandwich Pattern)										
Course Code: IS19R308				Course Title: Inplant Training						
Compulsory / Optional: Compulsory										
Teaching Scheme and Credits				Examination Scheme						
TH	PR	TU	Total	TH (2:30Hrs)	TS1 (1 Hr)	TS2 (1Hr)	PR	OR	TW	Total
--	40^	--	20	--	--	--	--	100*	100	200

Abbreviations: L- Theory Lecture, P-Practical, TU-Tutorial, TH- Theory Paper TS1 & TS2- Term Tests, PR- Practical, OR-Oral, TW: Term Work (progressive assessment) , * Indicates assessment by External Examiner else internal practical skill test , # indicates Self, on- line learning Mode, @ indicates on line examination

Note: For Minimum passing marks under various heads, refer, examination rule AR26. Two practical skill test are to be conducted. First skill test at mid term and second skill test at the end of the term.

(^) Twenty weeks Industrial Training

Rationale:

We are in the era of skill development. Indian industrial sector is passing through highly competitive phase due to globalization. Cut throat competition is predominant and quality is one of the decisive factors for sustainability. Quality has become a decisive factor in attracting students and faculty to an institution. The institutions which offer quality education will survive present scenario. Quality education cannot be complete without Inplant training.

Inplant Training provides an exposure to industry work culture, under the guidance of experienced persons within the organization. This exposure will include all or most of the following aspects of business: management; personnel policy, financial, marketing and purchasing functions, legal and social aspects, operations and technical activities. This mechanism of Inplant training also provides an opportunity for the industries to contribute during the formative period of student's development.

Course Outcomes: Student should be able to

CO1	To gain first-hand experience of working as an engineering professional, including the technical application of engineering methods.
CO2	To work with other engineering professionals and to experience the discipline of working in a professional organization.
CO3	Develop technical, interpersonal and communication skills, both oral and written.
CO4	Develop insight into communication aspects of engineers with other Professional groups.
CO5	Observe the functioning and organization of business and companies and prepare the reports
CO6	Exposure to management programmes and systems, effective administration methods and compile the information

CO Vs PO and CO Vs PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2
CO1	2	3	3	3	3	3	3	2	1
CO2	2	3	3	3	3	3	3	2	2
CO3	2	--	2	3	3	3	3	2	2
CO4	2	--	2	3	3	3	3	3	2
CO5	2	--	2	3	3	3	3	3	3
CO6	3	--	3	3	3	3	3	1	1

Industry Consultation Committee:

Sr. No	Name	Designation	Institute/Organisation
1	Mr. H.K. Kadam	Rtd. HR Manager	RCF Pvt. Ltd.
2	Mr. F.S. Bagwan	Lecturer in Instrumentation Engg	Govt. Polytechnic Mumbai
3	Mr U. B. Shinde	Lecturer in Instrumentation Engg	Govt. Polytechnic Mumbai
4	Mr K.U. Dawane	Lecturer in Instrumentation Engg	Govt. Polytechnic Mumbai

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Head of Department
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I/C, Curriculum Development Cell

Principal