### **Government Polytechnic Mumbai**

Department of Instrumentation Engineering

# P-19 Curriculum

## Semester- VI

(Course Contents)

### **GOVERNMENT POLYTECHNIC MUMBAI**

(Academically Autonoums Institute, Government of Maharashtra)

### Teaching and Examination Scheme (P19) With effect from AY 2019-20

**Programme: Diploma in Instrumentation Engineering (Sandwich Pattern)** 

Term / Semester - VI

		Teach	Teaching Hours/Contact Hours				Examination Scheme (Marks)						
Course	Course Title			TU Tota		Credits	Theory						
Code		L	P		Total		TH	TS1	TS2	PR	OR	TW	Total
IS19308	Inplant training	ES	40	7	40	20	A				100*	100	200
	Total		40		40	20					100	100	200
Total Conta	Total Contact Hours				40		н	•	1		1	1	1

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

Coordinator,
Curriculum Development,
Department of Instrumentation Engg.

In-Charge Curriculum Development Cell Head of Departments
Department of Instrumentation Engg.

Principal

<sup>\*</sup> Indicates assessment by External Examiner else internal assessment, # indicates Self, on- line learning Mode, @ indicates on line examination

Programme : Diploma in Instrumentation Engineering (Sandwich Pattern)											
Course	Course Code: IS19308 Course Title: Inplant Training										
Compulsory / Optional: Compulsory											
Teachi	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

Coordinator,

Head of Department

Curriculum Development,

Department of Instrumentation Engg

Department of Instrumentation Engg

I/C, Curriculum Development Cell

Principal