



**Government Polytechnic, Mumbai**

*Department of Civil Engineering*

**P-19 Curriculum  
(Sandwich Pattern)**

**Semester-VI  
(Course Contents)**

**GOVERNMENT POLYTECHNIC MUMBAI**  
 (Academically Autonomously Institute, Government of Maharashtra)  
**Teaching and Examination Scheme (P19)**  
**With effect from AY 2019-20**

**Programme: Diploma in Civil 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				
CE19601	Inplant Training	--	40	--	40	20	--	--	--	--	100*	100*	200
	<b>Total</b>	--	<b>40</b>	--	<b>40</b>	<b>20</b>	--	--	--	--	<b>100</b>	<b>100</b>	<b>200</b>

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: Duration of Examination--TS1&TS2 -1 hour , TH- 2 hours 30 minutes, PR/OR – 3 hours per batch , SCA- Library - 1 hour, Sports- 2 hours, Creative Activity-2 hours  
 Self, on- line learning Mode through MOOCs /Spoken Tutorials / NPTEL / SWAYAM / FOSSEE etc.

Department Coordinator,  
 Curriculum Development,  
 Dept. of Civil Engineering

Head of Department  
 Dept. of Civil Engineering

In-Charge  
 Curriculum Development Cell

Principal

Programme : <b>Diploma in Civil Engineering (Sandwich Pattern)</b>										
Course Code: <b>CE19601</b>				Course Title: <b>Inplant Training</b>						
Compulsory / Optional: <b>Compulsory</b>										
Teaching Scheme and Credits				Examination Scheme						
L	P	TU	Total	TH (2 Hrs 30 min)	TS1 (1 Hr)	TS2 (1Hr)	PR	OR	TW	Total
--	<b>40</b>	--	<b>20</b>	--	--	--	--	<b>100*</b>	<b>100*</b>	<b>200</b>

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 AR 26. Two practical skill test are to be conducted. First skill test at mid term and second skill test at the end of the term.

### Rationale:

We are in the era of skill development. Indian construction industry is passing through highly competitive and mechanized phase due to globalization and advancement. Inplant training has been established to provide students an opportunity to correlate theoretical knowledge with practical activities. They will also get an overview of construction process and site environment by exposing them to different aspects of construction processes, all under the guidance of skilled and 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, materials and operations and other allied activities. This mechanism of inplant training also provides an opportunity for the construction industries to contribute during the formative period of student's development.

**Course Outcomes:** After the industrial training Student shall:

CO1	Get first-hand experience of working as an engineering professional, including the technical application of engineering methods.
CO2	Work with other engineering professionals and to experience the discipline of working in a professional organization and observe safety precautions on respective construction site.
CO3	Develop technical, interpersonal and communication skills, both oral and written.
CO4	Have interactions with other professional groups.
CO5	Observe the functioning and organization of business in construction industries.
CO6	Be exposed to management programs and systems, effective administration methods and documentation.

### CO Vs PO and CO Vs PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
CO1	3	3	3	2	1	1	2	1	2	3

<b>CO2</b>	3	3	3	2	2	1	2	1	2	3
<b>CO3</b>	3	3	2	2	2	1	2	1	1	3
<b>CO4</b>	3	3	3	2	2	2	2	1	2	3
<b>CO5</b>	3	3	3	3	2	1	2	2	1	3
<b>CO6</b>	3	2	3	3	2	1	2	1	1	2

**Inplant training manual will be separately provided to each student. In manual all necessary instructions are given and required formats are provided.**

**Industry Consultation Committee:**

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>	<b>Institute/Organisation</b>
1	Mr. Rohan Deokar	Deputy Engineer	MMRDA
2	Mr. Sanjay Kulkarni	Surveyor and Consultant	SRKulkarni Pvt.Firm
3	Mr. K.V. Kelgandre	Sr. Lecturer in Civil Engg.	K.J. Somaiya Polytechnic
4	Mr. D. K. Fad	Sr. Lecturer in Civil Engg.	Govt. Polytechnic Mumbai

Coordinator,  
Curriculum Development,  
Department of Civil Engg.

Head of Department  
Department of Civil Engg.

I/C, Curriculum Development Cell

Principal