Government Polytechnic Mumbai

Curriculum Implementation and Assessment Guidelines

(P-19 Outcome Based Curriculum)

Preface

Government Polytechnic Mumbai is an academically autonomous institute of Government of Maharashtra. Being an autonomous institute, the curriculum is revised after every 3 to 4 years as per the demand of the industry and advance technology. In 2019, curriculum is revised with Sandwich pattern which emphasizes on the philosophy of Outcome based education (OBE) and Inplant training. OBE is student centric rather than teacher centric. In OBE, Programme Outcome, Programme Specific Outcome, Course Outcomes are defined first and then course contents are designed to achieve these outcomes. During curriculum implementation the teacher will analyze the contents and then develop the learning experiences which will ensure accomplishment of outcome. OBE philosophy comprises of **5D** approach Define the outcome, Develop the curriculum, Deliver the instructions and impart the skills, Document the result, Decide the future course of action for improvement. The objective of introducing six months Inplant training is to make the students ready for the employment in the specific discipline after completion of his diploma. Inplant training will provide students with an overview of industries and will expose them to different aspects of business, all under the guidance of skilled and experienced employee within the organization.

The industry experts, being main stake holders are actively involved, while designing the curriculum. Outcomes are validated by industry experts, so it will produce industry ready pass outs and increase the employability of students.

The effective implementation of this curriculum requires curriculum implementation and assessment guidelines for teachers and students. Assessment and evaluation is not to prove but to improve. Assessment and evaluation of students should be in tune with Program Outcomes (POs) and Course Outcomes (COs) of program and every individual course. Any program consists of different learning experiences spread over different sites viz. classroom, laboratory, library, field, and other relevant sites. The achievements of students learning outcomes are measured through well-defined assessment whose purpose is to assess and provide feedback on student learning so that the student can improve his performance. The continuous feedback will be useful to the learner and also to the faculty so that faculty can change the methodology to ensure learning of students. Various formats to be used during implementation of curriculum and assessment are given in this document. Formats related to assessment of industrial training are also given in the document.

(Mrs. Swati D. Deshpande)
Principal

Formats Developed by

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VISION

TRANSFORM KNOWLEDGE INTO WORK

MISSION

We are committed for

- Quality Education for lifelong learning,
- Need based educational programs through different modes,
- Outcome based curriculum implementation
- Development and up-gradation of standard laboratory practices
- Promoting Entrepreneurial programmes.

We Believe in Ethical, Safety, Environment friendly practices, and Teaching learning innovations

Index

GOVERNMENT POLYTECHNIC MUMBAI

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

Theory Attendance

Name of the Department :-   Academic Year: Term: EVEN/ ODD

Class & Shift :-   Course Code & Course Title:-

Name of Faculty: -

Sr. No.	Enroll. No	DATE											Total	Att.
		Name Of The Student	1	2	3	4	5	6	7	8	9	10	Att.	%
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
No. of Students Present															
Topic Covered															
Signature of faculty															

GOVERNMENT POLYTECHNIC MUMBAI

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

Practical Attendance

Name of the Department :-   Academic Year: Term: EVEN/ ODD

Class & Shift :-   **BATCH**:   Course Code   :-

Name of Faculty: -   Course Name:-

Sr. No.	Enroll. No	DATE Name Of The Student	1	2	3	4	5	6	7	8	9	10	Total Att.	Att. %
1.														
2.														
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														
11.														
12.														
13.														
14.														
15.														
16.														
17.														
18.														
19.														
20.														
		No. of Students Present												
		Experiment Number												
		Signature of faculty												

GOVERNMENT POLYTECHNIC, MUMBAI.
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
CONTINUOUS ASSESSMENT FOR PRACTICAL/ TUTORIAL/ DRAWING

Diploma Programme: **Class & Shift :-**   **Term : ODD / EVEN 20 -**

COURSE CODE WITH TITLE:

    TERM WORK MARKS SHALL BE BASED ON THIS CONTINUOUS ASSESSMENT SHEET

Enrollment No.	No. 01				No. 02				No. 03				No. 04				No. 05				No. 06				No. 07				No. 08				No. 09				No. 10				Total Marks out of 100	Marks Out of (____)
	2	4	4	T	2	4	4	T	2	4	4	T	2	4	4	T	2	4	4	T	2	4	4	T	2	4	4	T	2	4	4	T	2	4	4	T	2	4	4	T		

Note : **Rubric** - Each Practical Carries.

       1) 02 Marks for present, 00 Marks for Absent & 01 Marks for extra practical.

       2) 04 Marks for Discipline & involvement in the Practical Expt.

       3) 04 Marks for Accuracy for result & Neat clean presentation.   (Name & Sign. of Course Teacher)   (Sign of HOD)

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____

Rubrics for PR/OR

Rubric for Course Title: **Course Code:**

Max Marks:

Criterion No	Rubric Criterion	CO	Max Marks (10)*	Not Satisfactory (1-4)*	Satisfactory (5-6)*	Good (7-8)*	Excellent (9-10)*
1							
2							
3							
4							
5							

NOTE- Rubric for the evaluation of ORAL/PRACTICAL Exam should be identified and written in the table above.
 - Number of Rubric may get changed according to Course.
 - Marks shown are indicative & can be changed as per the requirement of the Rubric Criteria.

Signature of faculty

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____

Evaluation Sheet for ORAL/ PRACTICAL Exam
(According to Rubric)

Exam: Sumer/ Winter (20   )   **Max. Marks: (   )**
Class: I/ II/ III Yr.   **Shift: I/ II**
Course Code & Course Title:
Name of Faculty:

Sr. No	Enroll. No.	Name of Student	Marks as per Rubric Criteria No.					Total marks
			1	2	3	4	5	

 # At the time of Term End PR/ OR Exam, the Examiner should fill up Marks as per the rubric for evaluation. And same should be submitted in Sealed Envelop to the HOD of respective department with signature.

Cr. No	Rubric Criterion	Max marks
1.		
2.		
3.		
4.		
5.		

Name & Signature
(Examiners)

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
Teaching Plan for Semester

Academic Year: **Term : ODD/ EVEN**

Name of Department: **Class : I/ II/ III Yr.**   **Shift: I/ II**

Course Code   **Course Name:**

Name of Faculty:

Sr. No.	Week	Planned Topic	Course Outcome No.	Date of Completion	Reasons for Deviation if any	Pedagogy&/ Learning Resources Used	Lecturer's Signature
1	/ / TO / /						
2	/ / TO / /						
3	/ / TO / /						
4	/ / TO / /						

HOD

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
<u>Lesson Plan for Theory</u>

Faculty Name: **Program:**

Lesson No.:   **Course Code & Title:**

Topic No: **Course Outcome:**

1. Learning Outcomes:

a.

b.

c.

2. Procedure:

Teaching points	Teacher Activity	Student Activity	Teaching methodology / Aids	Time Allotted
a. Introduction				
b. Connecting with past knowledge				

c. Development			
d. Closure			

- This is a sample lesson plan and can be changed as per the requirement of course.

Sign of Teaching Faculty

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
Practical Plan (Term : Odd/Even 20 -   )

Department :-   **Name of Lab :-**   **Class & Shift :-**

Name of Faculty:-   **Course Code & Title :-**

Sr. No.	Name of the Experiment/ Tutorial	Course Outcome No.	Apparatus required	Batch	Dates of performance		Remark
					Expected	Actual	
1				A			
				B			
				C			
2				A			
				B			
				C			
3				A			
				B			
				C			
4				A			
				B			
				C			
5				A			
				B			
				C			
6				A			
				B			
				C			

Lecturer Incharge   **Head of Department**

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
(Term : Odd/Even 20   -)
<u>Practical Lab Plan</u>

Faculty Name: **Program:**

Practical No.:   **Course Code & Name:**

Topic No: **Course Outcome:**

1. Learning Outcomes :

a.

b.

c.

2. Procedure:

	Teacher Activity	Student Activity	Learning Aids	Time allotted
Introduction to the Experiment (Concept)				
Connect with theory knowledge				

Performance				15
Result				

- This is a sample practical plan and can be changed as per the requirement of course.

Sign of Teaching Faculty

Name of Dept.: Computer Engineering
Term: Odd/Even 2019-20
UNIT TEST I/II

Course Title:	**Course Code:**
Duration: 1 hour	**Marks: 25**
Year : First/ Second/ Third Year	**Shift (I / II)**

Q.1. Attempt any FOUR out of Seven (Two Marks each)   08 marks
    a)   (CO No., R/U/A)
    b)   (CO No., R/U/A)
    c)   (CO No., R/U/A)
    d)   (CO No., R/U/A)
    e)   (CO No., R/U/A)
    f)   (CO No., R/U/A)
    g)   (CO No., R/U/A)

Q.2: Attempt any TWO out of Three (Four Marks each)   08 marks
    a)   (CO No., R/U/A)
    b)   (CO No., R/U/A)
    c)   (CO No., R/U/A)

Q. 3: A) Attempt any ONE out of TWO (Six Marks each)   06 marks
    i)   (CO No., R/U/A)
    ii)   (CO No., R/U/A)

**   B) Attempt any ONE out of TWO (Three Marks each)   03marks**
    i)   (CO No., R/U/A)
    ii)   (CO No., R/U/A)

CO no	CO	CO	CO	CO		Levels	R	U	A
Marks						Marks			

15

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
DEPARTMENT of_____
ACADEMIC YEAR (----------   )
Odd/Even Term (--------- to -------   )
Result Analysis of Test

SEM: **Class: I/ II / III Yr.**   **Shift: I/ II**

Date of Test :   **Test I/II:**   **Max. Marks:**

Course code & Title:

Name of faculty:

Range of marks obtained	No. of students	% of students
Above 70%		
40%-70%		
Below 40%		

Total No. of students registered for the course:

Total No of students appeared:

Students below 40% marks are Weak students

Reason for poor performance: (Performance in exam of students may be considered as poor student)

Remedial measures/ Action suggested for improvement

Students above 70% marks are Bright students. Following are the Tasks/Targets given to Bright students for motivation:

1)

2)

3)

Name and signature of faculty

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
<u>Course wise Feedback Form</u>

Programme Name: **Academic Year:**

Term: ODD/ EVEN   **Class: I/ II / III Yr.**   **Shift: I/ II**

Course Code & Title:

Faculty Name:

A- Faculty related (Kindly (√) mark in appropriate column**)**

Sr. No	Description	Average (1)	Good (2)	Excellent (3)
01	Coverage of the course curriculum			
02	Competence and commitment of faculty			
03	Communication of faculty (oral/written)			
04	Pace of the content covered by the faculty			
05	Relevance of the Content of curriculum			
	Total			
	Total (1+2+3)=			

B- **Course outcomes related (**Kindly (√) mark in appropriate column)

At the end of the course, I am able to:

Sr. No	Course Outcome	Average (1)	Good (2)	Excellent (3)
01	**CO1:**			
02	**CO2:**			
03	**CO3:**			
04	**CO4:**			
05	**CO5:**			
06	**CO6:**			
	Total			
	Total (1+2+3)=			

*(Note: kindly mention **COs** of the course in above table)*

C- Facilities in the Department related to the Course (Kindly (√) mark in appropriate column)

Sr. No	Description	Average (1)	Good (2)	Excellent (3)
01	Lab/infrastructure facility for the course			
02	Availability of the reference books in library			
	Total			
	Total (1+2+3)=			

<u>Any suggestion for improvement of course content and Teaching learning:</u>

_____

_____

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
Analysis of Course wise Feedback Form

Name of the Department: **Academic Year:**   **TERM: ODD/ EVEN**

Class: I/ II/ III Yr.   **Shift : I/ II**

S. No.	Course Code	Course Name	Faculty Name	Faculty related Feedback (Total)	Course Outcomes						Facilities in the Department related to the Course (Total)	Other Rating (Total)	Total	HOD's Remark	Dated Sign of Faculty
					CO1	CO2	CO3	CO4	CO5	CO6					

Signature of HOD

GOVERNMENT POLYTECHNIC MUMBAI

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

CO Attainment Through Unit test- I/II
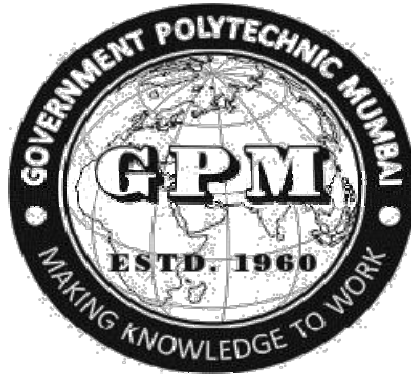
Name of the Department :-   Academic Year: Term: EVEN/ ODD

Class & Shift :-   Course Code & Course Title:-

Enrollment Number	Question No 1							Question No 2			Question No 3			
	a 2M	b 2M	c 2M	d 2M	e 2M	f 2M	g 2M	a 4M	b 4M	c 4M	A(i) 3M	A(ii) 3M	B(i) 3M	B(ii) 3M
CO number														
No of students attempted														
Target														
No of students above target														
% attainment														

% attainment = (No. of students above target / No. of students attempted)*100

Government Polytechnic, Mumbai

Department of :_____

Major Project

Weekly Diary

Rubric 1: Major Project, Course Code: Oral

Max Marks : 50

Criterion No	Criterion	CO	Max Marks	Not Satisfactory (1-4)	Satisfactory (5-6)	Good (7-8)	Excellent (9-10)
1	Literature survey		10	Information is gathered from a single source.	Information is gathered from a limited number of sources.	Information is gathered from multiple sources.	Information is gathered from multiple, research-based sources.
2	Organization of presentation		10	Audience cannot understand presentation because there is no sequence of information	Audience has difficulty following presentation because student jumps around.	Student presents information in logical sequence which audience can follow	Student presents information in logical, interesting sequence which audience can follow.
3	Graphics (use of PowerPoint)		10	Uses graphics that rarely support text and presentation	Uses graphics that relate to text and presentation	Uses graphics that explain text and presentation	Uses graphics that explain and reinforce text and presentation
4	Elocution and eye contact		10	Mumbles and/or Incorrectly pronounces some terms/ Voice is low; difficult to hear	Voice fluctuates from low to clear; difficult to hear at times	Voice is clear with few fluctuations; audience can hear well most of the time	Voice is clear and steady; audience can hear well at all times
				Reads most slides, no or just occasional eye contact	Refers to slides to make points, occasional eye contact	Refers to slides to make points, eye contact majority of time	Refers to slides to make points, engaged with audience
5	Oral		10	Does not understands question /no answer to question	Answers some questions but not clearly and completely	Answers to most of the questions clearly and completely	Answers to all questions confidently
6	Description of Concepts and Technical Details		20	Inappropriate explanation of the key concepts, Poor description of	Explanation of the key concepts In-sufficient description	Complete explanation of the key concepts, enough	Complete explanation of the key concepts, Strong

				the technical requirements of the project	of the technical requirements of the project	description of the technical requirements of the project	description of the technical requirements of the project	
				(1-8)	**(9-12)**	**(13-16)**	**(17-20)**	
7	Project Demonstration		20	Modules are not in proper working form. Students are unaware of the problem	Modules are not in proper working form. Students are aware of the problem	Each module working well but not properly demonstrated	Each module working well and properly demonstrated	
				(1-8)	**(9-12)**	**(13-16)**	**(17-20)**	
8	Conclusion and Discussion		10	Results are not presented in appropriate manner Project work is not properly summarized and concluded, Future extensions not mentioned	Results are presented in appropriate manner Project work is not properly summarized and concluded, Future extensions in the project not very relevant	Results are presented in very appropriate manner Project work is well summarized and concluded Future extensions in the project not very relevant	Results are presented in very appropriate manner Project work is well summarized and concluded Future extensions in the project are well specified	
				(1-4)	**(5-6)**	**(7-8)**	**(9-10)**	

** - Total marks should be calculated out of 100 marks and **should be converted out of 50 marks**. Evaluation of oral in Major Project will be based on above rubric 1*

Rubric II: Major Project , Course Code: TW

Max Marks : 50

Criterion No	Criterion	CO	Max Marks	Not Satisfactory (1-4)	Satisfactory (5-6)	Good (7-8)	Excellent (9-10)
1	Problem Identification		10	Little or no background information is presented to help the audience understand the history and significance of the project.	Background information is provided, an explanation of why the project was undertaken, to help put the presentation in context.	Background information is provided, including references to the work of others and an explanation of why the project was undertaken, to help put the presentation in context.	Insightful and in-depth background information is provided to illuminate the issues through inclusion of history relevant to the presentation, a succinct description of the significance of the project.
2	Literature Review		10	Very few and not relevant	Few and relevant	Relevant information from multiple sources	Information is gathered from multiple, research-based sources.
3	Planning of Project Work And Team Structure		10	Time frame not properly specified, In-appropriate distribution of project work	Time frame properly specified, but not being followed, Distribution of project work un-even	Time frame properly specified and being followed Distribution of project work inappropriate	Time frame properly specified and being followed, Appropriate distribution of project work
4	Testing		10	Testing done not done properly , no correct method of testing	Testing done in single condition , required modification not done after testing	Testing done in multiple condition , required modification not done after testing	Testing demonstrates engineering skill , required modification done after testing
5	Project Report		10	Project report not prepared according to the specified format, References and citations are not appropriate.	Project report is according to the specified format but some mistakes In-sufficient references and citations	Project report is according to the specified format, References and citations are appropriate but not mentioned well	Project report is according to the specified format References and citations are appropriate and well mentioned

Evaluation   of TW for Major project will be based on above rubric 1I

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____

Details of Project Group

Class: III Yr.   Shift: I/ II

Course: Major Project   . Course Code :

Name of Project: _____

Name of Guide Allotted: _____

Student's Information:

Sr. No	Enrolment. No	Name of student	Email id	Contact No

Type of project: Based on latest technology/ based on research going on/Laboratory requirement/ Institute Requirement/Societal need (Tick appropriate type)

If Industry sponsored project

Industry Name:

Name of industry guide:

Contact No:

Email id:

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____
Action Plan for Course Title: Major Project, Course Code:

Name of Project:

Expected cost of project:

Sr.No	Week No (dates)	Activity to be done / performed	Responsibility
1	Week 1		
2	Week 2		
3	Week3		
4	Week4		
5	Week5		
6	Week6		
7	Week7		
8	Week8		
9	Week9		
10	Week10		
11	Week11		
12	Week12		
13	Week13		
14	Week14		

Name and signature of Members

Member 1:   Member 2:

Member 3:   Member 4:

Member 5:

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (--------------)
Odd/Even Term (--------- to ---------)
Department of _____
<u>Week-wise Progress Report</u>

Course Title: Major Project , Course Code:
Week No:
Activity done *:

Task / Suggestion given by guide:

Signature of Guide

Note: * activity can be literature survey, market survey, visit to industry/ Exhibition, learning new skill/software, preparation of seminar, seminar document preparation

(For week wise progress report, use as many page as required.)

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____
Week-wise Progress Report

Course Title: Major Project, Course Code:
Week No:
Activity done *:

Task / Suggestion given by guide:

Signature of Guide

*Note: * activity can be literature survey, market survey, visit to industry/ Exhibition, learning new skill/software, preparation of seminar, seminar document preparation*

(For week wise progress report, use as many page as required.)

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____
<u>Week-wise Progress Report</u>

Course Title: Major Project, Course Code:
Week No:
Activity done *:

Task / Suggestion given by guide:

Signature of Guide

Note: * activity can be literature survey, market survey, visit to industry/ Exhibition, learning new skill/software, preparation of seminar, seminar document preparation

(For week wise progress report, use as many page as required.)

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____

Evaluation of Project and Seminar I, Course Code: –OR
(According to Rubric1 given in Weekly Diary)
Class: III Yr.   Shift: I/ II   Max. Marks:

Sr. No	Name of Project	Guide Name	Date	Enroll. No.	Marks as per Rubric Criteria No.					Total marks	Faculty signature
					1	2	3	4	5		

Cr.No	Rubric Criterion	Max marks
1	Literature survey	10
2	Organization of presentation	10
3	Graphics (use of PowerPoint)	10
4	Elocution and eye contact	10
5	Oral	10

 * Criterion of project evaluation (Rubric) may change as per curriculum of respective department .
 # At the time of Term End PR/ OR Exam, the Examiner should fill up Marks as per the rubric for evaluation. And same should be submitted in Sealed Envelop to the HOD of respective department with signature.

Name & Signature
(Examiners)

F15: Evaluation of Project –OR/TW According to Rubric

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

ACADEMIC YEAR (-------------) Odd/Even Term (--------- to ---------) Department of --------------------------
----

Evaluation of Project and Seminar II, Course Code: –OR
(According to Rubric2 given in Weekly Diary)

Class: III Yr.   Shift: I/ II   Max. Marks:

Sr. No	Name of Project	Guide Name	Date	Enroll. No.	Marks as per Rubric Criteria No.			Total marks	Faculty signature
					1	2	3		

Cr.No	Criterion	Max marks
1	Description of Concepts and Technical Details	20
2	Project Demonstration	20
3	Conclusion and Discussion	10

* Criterion of project evaluation (Rubric) may change as per curriculum of respective department
 # At the time of Term End PR/ OR Exam, the Examiner should fill up Marks as per the rubric for evaluation. And same should be submitted in Sealed Envelop to the HOD of respective department with signature.

Name & Signature
(Examiners)

F15: Evaluation of Project –OR/TW According to Rubric

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------   )
Odd/Even Term (---------   to ---------   )

Department of ---

Evaluation of Project –TW
(According to Rubric3 given in Weekly Diary)

Class: III Yr.   Shift: I/ II   Max. Marks:

Sr. No	Name of Project	Guide Name	Date	Enroll. No.	Marks as per Criteria No.					Total marks	Faculty signature
					1	2	3	4	5		

Cr. No	Criterion	Max marks
1	Problem Identification	10
2	Literature Review	10
3	Planning of Project Work And Team Structure	10
4	Testing	10
5	Project Report	10

* Criterion of project evaluation (Rubric) may change as per curriculum of respective department
 # At the time of Term End PR/ OR Exam, the Examiner should fill up Marks as per the rubric for evaluation. And same should be submitted in Sealed Envelop to the HOD of respective department with signature.

Name & Signature
(Examiners)

F16: Weekly Progress Report of In Plant Training

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (------------   )
Odd/Even Term (--------- to --------   )
Department of --

Weekly Progress Report of the Student during In Plant Training

Name of the Student _____ Enrollment No:_____

Dept./Plant/Section: _____

Week No.	Date		Brief weekly report of the work done/observations made	Attendance	Remarks from training supervisor: Excellent / very good / good/ average / below average /poor	Sign of Training Supervisor
	From	To				

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____

In Plant Training Assessment Rubrics for Term Work

Course Code & Title :

Criteri on No	Criterion	CO	Max Marks	Not Satisfactory (1-8)	Satisfactory (9-12)	Good (13-20)	Excellent (21-25)
1	Weekly diary		25	Weekly diary maintained very poorly and not as per format & duly signed by supervisor	Weekly diary maintained but not as per format & duly signed by supervisor	Weekly diary maintained as per format & duly signed by supervisor	Weekly diary neatly maintained as per format & duly signed by supervisor
2	Industrial training report		25	Training report is not according to the specified format Reflects • Use of tools and technology in industry • Work done and observations	Training report is according to the specified format Reflects • Use of tools and technology in industry • Work done and observations	Training report is according to the specified format Reflects • Good use of tools and technology in industry • Good work done and observations	Training report is according to the specified format Reflects • Excellent use of tools and technology in industry • Excellent work done and observations

Total marks should be calculated out of 50 marks and ***should be converted out of 100 marks****. Evaluation of oral in Major Project will be based on above rubric*

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____

Evaluation of In Plant Training -TW (According to Rubric for TW)

Class: III Yr.   **Shift: I/ II**
Course Code & Course Title: **Max. Marks:**
Name of Faculty:

Sr.No	Name of Industry	Date of Presentation	Enroll. No.	Name of Student	Marks as per Rubric Criteria No.		Total marks
					1*2	2*2	

At the time of Term End PR/ OR Exam, the Examiner should fill up Marks as per the rubric for evaluation.
And same should be submitted to the HOD of respective department with signature.

Cr.No	Rubric Criterion	Max marks
1	Weekly diary	25*2
2	Industrial training report	25*2

Name & Signature
(Examiners)

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------)
Department of _____

In Plant Training Assessment Rubrics for Presentation and Oral

Course Code & Course Title:

Criterion No	Criterion	CO	Max Marks	Not Satisfactory (1-4)	Satisfactory (5-6)	Good (7-8)	Excellent (9-10)
1	Quality of presentation		10	Audience cannot understand presentation because there is no sequence of information	Audience has difficulty following presentation because student jumps around.	Student presents information in logical sequence which audience can follow	Student presents information in logical, interesting sequence which audience can follow.
2	Graphics (use of PowerPoint)		10	Used very few actual on site photographs/videos/charts that reflects knowledge gained in industry	Used few actual on site photographs/videos/charts that reflects knowledge gained in industry	Better Use of actual on site photographs/videos/charts that reflects knowledge gained in industry	Excellent Use of actual on site photographs/videos/charts that reflects knowledge gained in industry
3	Oral Presentation Skill		10	Mumbles and/or Incorrectly pronounces some terms/ Voice is low; difficult to hear	Voice fluctuates from low to clear; difficult to hear at times	Voice is clear with few fluctuations; audience can hear well most of the time	Voice is clear and steady; audience can hear well at all times
4	Question answer in oral		20	Very few questions answered related to functioning of departments (1-8)	Few questions answered related to functioning of departments Properly (9-12)	Most of the questions answered related to functioning of departments Confidently (13-16)	All questions answered related to functioning of departments Confidently (17-20)

*Total marks should be calculated out of 50 marks and **should be converted out of 100 marks**. Evaluation of oral in Major Project will be based on above rubric*

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------   )
Odd/Even Term (--------- to   ---------)

Department of --

Evaluation of In Plant Training -ORAL (According to Rubric for Presentation and Oral)

Class: III Yr.   **Shift: I/ II**

Course Code & Course Title: **Max. Marks: 100**

Name of Faculty:

Sr.No	Name of Industry	Date of presentation	Enroll. No.	Name of Student	Marks as per Rubric Criteria No.				Total marks = (Marks as per Rubric Criteria No.)*2
					1	2	3	4	

Cr.No	Rubric Criterion	Max marks
1	Quality of presentation	10
2	Graphics (use of PowerPoint)	10
3	Oral Presentation Skill	10
4	Question answer in oral	20

 # At the time of Term End PR/ OR Exam, the Examiner should fill up Marks as per the rubric for evaluation.
And same should be submitted in Sealed Envelop to the HOD of respective department with signature.

Name & Signature

(Examiners)

GOVERNMENT POLYTECHNIC, MUMBAI

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

Employer Feedback Form

Name of Officer:-   **Duration: 20   To 20**

Name & Address of Office:

Kindly rate to what extent our students are able to:(Kindly (√) mark in appropriate column**)**

Sr. No	Description	Average (1)	Good (2)	Excellent (3)
PO1	**Basic and Discipline specific knowledge**: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.			
PO2	**Problem analysis**: Identify and analyse well-defined engineering problems using codified standard methods.			
PO3	**Design/ development of solutions**: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.			
PO4	**Engineering Tools, Experimentation and Testing**: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.			
PO5	**Engineering practices for society, sustainability and environment**: Apply appropriate technology in context of society, sustainability, environment and ethical practices.			
PO6	**Project Management**: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.			
PO7	**Life-long learning**: Ability to analyse individual needs and engage in updating in the context of technological changes.			

How you rate our students for following skills

Sr. No	Description	Average (1)	Good (2)	Excellent (3)
1				
2				
3				
4				
5				

To meet the current job requirements, please specify the tools/technologies that should be introduced in the curriculum.

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
Programme Exit Feedback Form

Programme Name: Diploma in   **Duration: 20   To 20**

At the end of Diploma Programme, I am able to:

A- Programme outcomes (POs): (Kindly (√) mark in appropriate column**)**

Sr. No	Description	Average (1)	Good (2)	Excellent (3)
PO1	**Basic and Discipline specific knowledge**: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.			
PO2	**Problem analysis**: Identify and analyse well-defined engineering problems using codified standard methods.			
PO3	**Design/ development of solutions**: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.			
PO4	**Engineering Tools, Experimentation and Testing**: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.			
PO5	**Engineering practices for society, sustainability and environment**: Apply appropriate technology in context of society, sustainability, environment and ethical practices.			
PO6	**Project Management**: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.			
PO7	**Life-long learning**: Ability to analyse individual needs and engage in updating in the context of technological changes.			

B-Programme Specific Outcomes (PSOs): (Kindly (√) mark in appropriate column**)**

Sr. No	Description	Average (1)	Good (2)	Excellent (3)
PSO1	.			
PSO2				
PSO3				

G OVERN MENT POLYTECH NIC MUM BAI
(AN AUTONOMOUS INSTITUTE OF GOVT. O F MAHARASHT RA)
<u>Alu mni Survey/Feedba ck Form</u>

Personal Informati on

Name (in Full) :   Current Positi on :

Year of Diploma (p assed out) :   Firm / Organization:

Email-id :   Mo bile No. :

For each question, ple ase indicate with a (✍) , the extent to which you a gree with each of the follo wing statement regarding y our program.

1. W hat is your general impression of t he diploma program in y opur discipline?

   E xcellent   **Go od**   **Average**   **Fair**

2. W hat is the i mpact of the study of Mathematics and Sciences in solving engineering problems?

   Strong   **Moderate**   **Low**   **No**

3. A re you able to analyze a problem an d formulate the computing require ments appro priate t o its solution ?

   Y es   **Better**   **No**

4. Given a new tool or environment how Comfortable are you t o utilize and develop with it?

   E xtremely G ood   **Comfortable**   **Uncomfortable**

5. D o you follo w any non-t echnical constraints suc h as environmental, social, political, ethical, healt h and safety, and sustainability?

   Y es   **Better**   **No**

6. H ow comfortable are you in identifying and designing an appropriat e solution for an engineering p roblem?

   E xcellent   **Satisfactory**   **Average**   **Poor**

7. Have you ever participated in NGO activities or any external social welfare activities?

   Yes   **No**

8. How far you are able to self-learn new tools, algorithms, and/or techniques that contribute to the software solution of the given team project?
   Mostly   **Somewhat**   **little**   **Not at all**

9. How frequently are you able to function effectively in teams to accomplish a common goal?
   Always   **Frequently**   **Occasionally**   **Never**

10. Have you planned to continue on for Post graduate studies, either immediately or eventually?
    Yes   **No**

11. Are you able to work effectively in multidisciplinary teams?

    Yes   **Better**   **No**

12. Have you pursued any higher education? If "yes" please specify degree and passing year.

13. Are there any resources or services that you would like to see offered to diploma person?

    _____

    _____

    _____

14. Could you provide suggestions for how to improve your diploma Program?

    _____

    _____

    _____

15. If you are working in a Industry, During vacation period how many students can occupy in your industry for training (1 week, 2 week or more weeks)?

Government Polytechnic Mumbai

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

COURSE FILE

COURSE CODE:-

COURSE TITLE:-

INDEX

- **Vision Mission of Institute**
- **Vision Mission of Department**
- **Academic Calendar**
- **Time Table**
- **Course Registration List**
- **Curriculum**
- **Attendance Theory**
- **Attendance Practical**
- **Continuous Assessment**
- **Rubric for Oral/ Practical Exam**
- **List Of Students Having Less Attendance 1, 2**
- **Teaching Plan for Theory**
- **Lesson Plan for Target Theory Lecture**
- **Practical Schedule Plan**
- **Practical Lab Plan for Target Practical Session**
- **Test Papers**
- **Test Mark Sheets**
- **Result Analysis of Class Tests**
- **Attainment of Tests, Term End Examination**
- **Action Taken to Fulfil Attainment Gap**
- **Course Feedback Analysis**
- **Model Answer Papers for Test Papers**
- **List Of Weak and Bright Students**
- **Notes And Previous Year Question Papers**

Government Polytechnic Mumbai

(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)

COURSE FILE

COURSE CODE:-

COURSE TITLE:- Major Project

INDEX

- Vision Mission of Institute

- Vision Mission of Department

- Academic Calendar of Institute

- Time Table

- Curriculum of Major Project

- Project Outcomes and Mapping With PO and PSO

- List of Registered Students for Major Project

- List of Project Students Allotted to The Faculty/ Guide

- Details of Project Group

- Attendance of Students

- Evaluation Rubric for Major Project

- Continuous Assessment of Project

- Certificates Won By Project Students if any

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
ACADEMIC YEAR (-------------)
Odd/Even Term (--------- to ---------   )
Department of _____

List of students having less attendance

Class: I/ II/ III Yr.   **Shift: I/ II**
Course code & Title:
Name of faculty:
Period: From --------   to -------

Following students are informed that they are having less attendance for the above mentioned period. They will be detained if they could not improve their attendance above 75%.

Sr. No	Enrollment No.	Name of students	Attendance	
			Theory	**Practical**
1				
2				
3				
4				
5				
6				

Name and signature of faculty
Lecturer in_____

Copy to : 1) Notice Board

      2) HoD , _____

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
Provisional Detention List

Name of the Department :-   Academic Year:

Term: EVEN/ ODD   Class & Shift :-

Course Code & Course Name:-

Name of Faculty: -

Sr. No	Enrollment No	Name Of The Student	Attendance		Submission of Term Work (Yes/ No)
			Theory	Practical	

Name and signature of faculty

Lecturer in_____

Copy to : 1) Notice Board

2) HOD , _____

GOVERNMENT POLYTECHNIC, MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
<u>Parent Feedback Form</u>

Diploma Programme:
Class & Shift :-   **Term : ODD / EVEN 20-**

Dear Sir,

The purpose of this feedback is to obtain input from parents, on the quality of education their wards (students) received and level of preparation they have had in_____ _____ Program at Government Polytechnic, Mumbai. The feedback is meant to assess the Program Outcomes (POs) and Program Specific Outcomes (PSOs). As the part of Parents involvement and contribution in the development and the continuous improvement of_____ Program at Government Polytechnic, Mumbai, we seek your help in completing this feedback. Your response is a key part of our continuous improvement process. Your participation is greatly appreciated.

Name of Parent/Guardian _____

Email ID_____   Mobile……………….................

Name of your ward:_____ Enrolment No:_____

Please insert √ in the appropriate box to indicate the degree of your ward has achieved.

1: Poor, 2: Good, 3: Excellent

Sr. No.	Program Outcomes (Pos)	1	2	3
To what level students are able to:				
PO1	**Basic and Discipline specific knowledge**: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.			
PO2	**Problem analysis**: Identify and analyse well-defined engineering problems using codified standard methods.			
PO3	**Design/ development of solutions**: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.			
PO4	**Engineering Tools, Experimentation and Testing**: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.			
PO5	**Engineering practices for society, sustainability and environment**: Apply appropriate technology in context of society, sustainability, environment and ethical practices.			
PO6	**Project Management**: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.			
PO7	**Life-long learning**: Ability to analyse individual needs and engage in updating in the context of technological changes.			
Sr. No.	**Program Specific Outcomes(PSOs)**	1	2	3
To what level students are able to:				
PSO1				
PSO2				
PSO3				

Any other suggestions: How to improve? / Any other comments.

……..

Strengths of program:………………………………………………………………………………….

Deficiencies of program:……………………………………………………………………………

Signature of Parent:……………………………

Government Polytechnic, Mumbai

Name of Dept.: Computer Engineering
Term: Odd/Even 2019-20
UNIT TEST I/II

Course Title:	**Course Code:**
Duration: 1 hour	**Marks: 20**
Year : First/ Second/ Third Year	**Shift (I / II)**

Q.1. Attempt any THREE out of Four (Two Marks each)   06 marks
    a)   (CO No., R/U/A)
    b)   (CO No., R/U/A)
    c)   (CO No., R/U/A)
    d)   (CO No., R/U/A)

Q.2: Attempt any TWO out of Three (Four Marks each)   08 marks
    a)   (CO No., R/U/A)
    b)   (CO No., R/U/A)
    c)   (CO No., R/U/A)

Q. 3: Attempt any ONE out of TWO (Six Marks each)   06 marks
    a)   (CO No., R/U/A)
    b)   (CO No., R/U/A)

CO no	CO1	CO2	CO3	CO4	CO5	Levels	R	U	A
Marks						Marks			

GOVERNMENT POLYTECHNIC MUMBAI
(AN AUTONOMOUS INSTITUTE OF GOVT. OF MAHARASHTRA)
<u>CO Attainment Through Unit test- I/ II</u>

Name of the Department :-   Term: EVEN/ ODD

Class & Shift :-

Enrollment Number	Question No 1				Question No 2			Question No 3	
	a 2M	b 2M	c 2M	d 2M	a 4M	b 4M	c 4M	a 6M	b 6M
CO number									
No of students attempted									
Target									
No of students above target									
% attainment									