



MARATHA VIDYA PRASARAK SAMAJ'S
KARMAVEER ADV. BABURAO GANPATRAO THAKARE
COLLEGE OF ENGINEERING



Permanently Affiliated to Savitribai Phule Pune University Vide Letter No: CA/1542
& Approved by AICTE New Delhi Vide Letter No: 740-89-32 (E) ET/98
AISHE Code - C-41622

www.kbtcoe.org

Department of Civil Engineering

Innovative Teaching Method – Reflection Through Self Learning

Name of Faculty – Dr. K. T. Patil

Class – BE

Academic Year– 2020-21

Semester I

Name of Subject: – Elective I -Advanced Engineering Geology with Rock Mechanics

Objectives of Methodology:

1. To explore and develop ability of self learning
2. To strengthen the knowledge of students
3. To enhance self-confidence, expressional and organizational skills

Details of Activity/Method:

1. Students are asked to select topic of their own interest for self learning.
2. Students are supposed to prepare the topic in detail and organize various aspects of given topic in proper way.
3. They have to deliver the given topic and express themselves before the students and faculty.
4. The acquired knowledge would reflect through question –answer and discussion session.
5. The knowledge about topic, self-confidence, expressional and organizational skills of students are to be evaluated.
6. Assessment is done on the basis of suitable parameters and rubrics.
7. This method is helpful to develop self learning ability, to enhance confidence level as well as communication skills.

Assessment Tools & Rubrics:**Total Marks: 25**

Criteria/Skills and Marks	5	3	2	1	Max. Score
Knowledge Acquired	Excellent	Good	Satisfactory	Poor	5
Expression/Reflection	Excellent Expression skills and reflection of Knowledge	Very Good Expression skills and reflection of Knowledge	Satisfactory Expression skills and reflection of Knowledge	Poor Expression skills and reflection of Knowledge	5
Organization and Topic Coverage	Excellent Organization of content and full coverage of topic	Well Organization of content and adequate coverage of topic	Satisfactory Organization of content and coverage of topic	Poor Organization of content and coverage of topic	5
Presentation & Explanation	Excellent	Good	Satisfactory	Poor	5
Confidence and Communication	Excellent	Good	Satisfactory	Poor	5

Course Outcomes (Related to Methodology)

Course Outcomes		BTL
CO1	Explain distribution, characters and Civil Engineering significance of major rock formations of India.	4
CO3	Apply geological knowledge in planning, development and resource engineering.	3
CO4	Validate the suitability of rocks on the basis of physical and mechanical properties, R.Q.D. and geophysical investigation.	5


POs (Related to Methodology)

PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.


PSOs (Related to Methodology)

PSO1	Graduates will apply technical knowledge, engineering skills, and competencies necessary for entering civil engineering career.
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Evidences: Activity Photographs/Videos/Sample PPT's

 **Maratha Vidya Prasarak Samaj's**
Karmaveer Adv. Baburao Ganpatrav Thakare College Of
Engineering
Udeji Maratha Boarding Campus, Near Pumping Station, Gangapur Road, Nashik
Approved By AICTE New Delhi, Affiliated To Savitribai Phule Pune University

**“ SIGNIFICANCE OF FOLD AND FAULT
IN TUNNEL CONSTRUCTION ”**

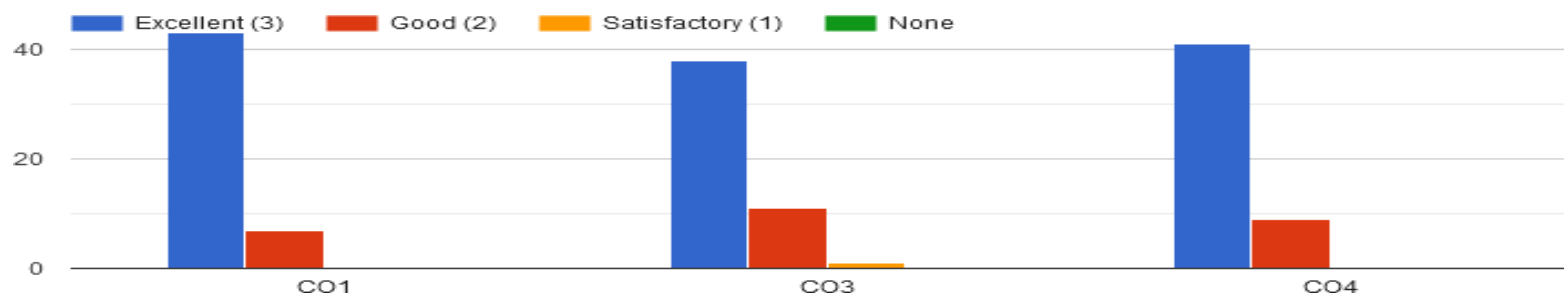

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Prepared By:- Bhor Mayuri Ratan
Roll No. :- 18
Guided By :- Prof K.T.Patil

Feedback/Impact Analysis (Based on Students Feedback):

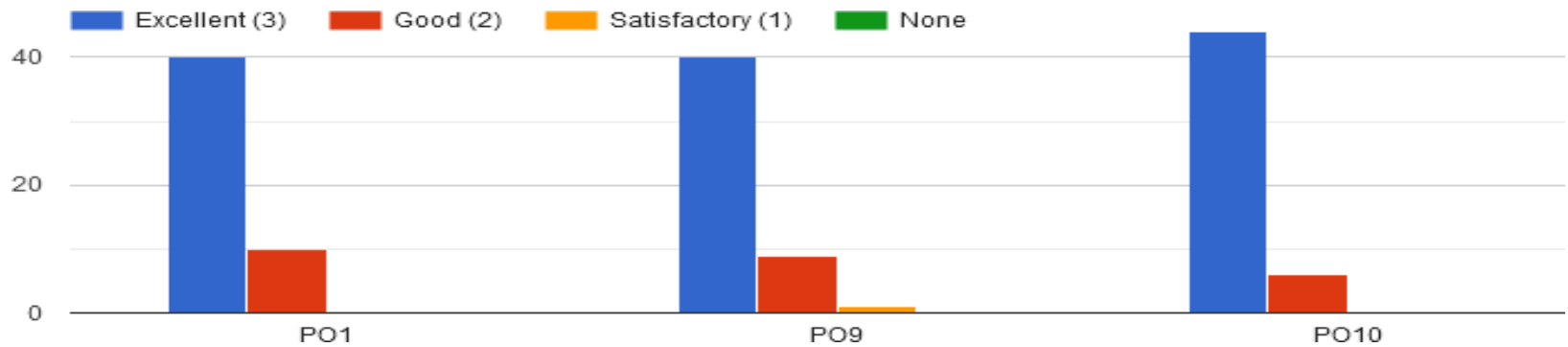
Course Outcome

	Course Outcome	CO1	CO3	CO4
A	No. of Groups/Students Achieving CO	50	50	50
B	Total Rating	143	137	141
C	Average Rating (B/A)	2.86	2.74	2.82



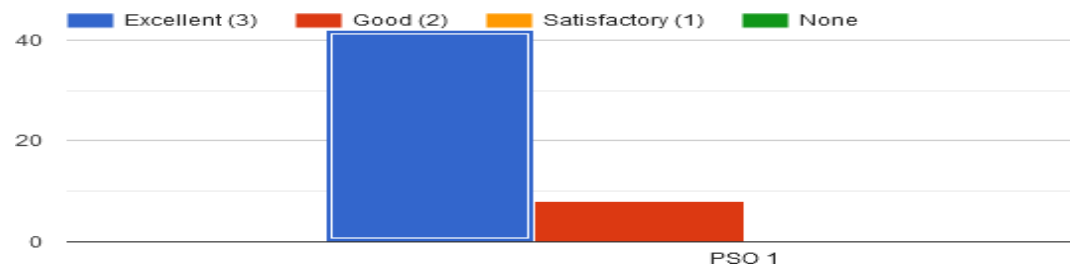
Program Outcome

	Program Outcome	PO1	PO9	PO10
A	No. of Students Achieving PO	50	50	50
B	Total Rating	140	139	144
C	Average Rating (B/A)	2.8	2.78	2.88



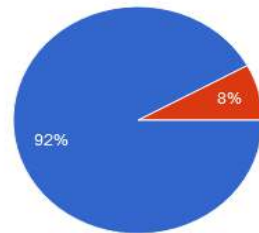
Program Specific Outcome

	Program Specific Outcome	PSO1
A	No. of Groups/Students Achieving PSO	50
B	Total Rating	142
C	Average Rating (B/A)	2.84



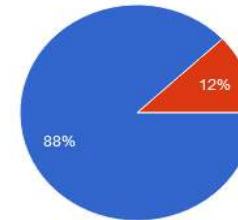
Q3. Did you find the methodology helpful?

50 responses



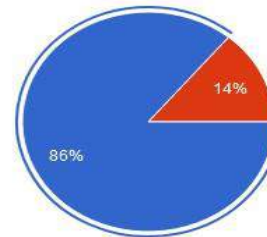
Q4. Is the content relevant?

50 responses



Q5. Concept of the methodology.

50 responses



Link for Review and Critics:

<https://forms.gle/YrrKTZkywpgdtzfy9>

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