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
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Department of Civil Engineering

Innovative Teaching Method – Self Learning

Name of Faculty – Ms. M. B. Murkute **Class – BE**

Academic Year– 2020-21 **Semester II**

Name of Subject: – Elective IV (Construction Management)

Objectives of Methodology:

1. Students Will able to Categorize Different activities Related to given Project
2. Students Will able to do prepare Work Breakdown Structure (WBS)

Details of Activity/Method:

1. Topics/Project are allocated to students Group wise
2. Students have to find out different activities related to topic/Project
3. Students have to Categorize out these activities in chronological Order
4. Students have to prepare WBS Structure according to their own convenience (Auto CAD, MS Word)

Assessment Tools & Rubrics: -

A.Y 2020-2021
ELECTIVE IV (Construction Management)
Innovative Teaching Methodology :- Self Learning

			Skills					
		Marks	**4**	**4**	**4**	**4**	**4**	**20**
Group No.	**Name of Student**	**Name of Topic**	**Use of time**	**Knowledge of subject**	**Required elements**	**Visual Clarity and Appeal**	**Thinking Ability**	**Final Marks**
1	Ahire Sagar Vinod	TUNNEL	2	2	2	1	2	9
	Avhad Archit Prashant		2	2	2	1	2	9
	Gite Yash Sanjay		2	2	2	1	2	9
	Walke Aishwarya Namdeo		2	2	2	1	2	9
2	Agre Prajakta Sarang	HOUSING PROJECT	3	3	2	2	3	13
	Patil Samrudhi Sanjay		3	3	2	2	3	13
	Salve Harshad Sanjay		3	3	2	2	3	13
	Sharma Simat Romeshkumar		3	3	2	2	3	13
3	Patil Mohanish Hemant	COMMERCIAL BUILDING	3	3	3	3	3	15
	Patil Siddhant Vilas		3	3	3	3	3	15
	Dargode Nikhil Arun		3	3	3	3	3	15
	Nikam Rushikesh Subhash		3	3	3	3	3	15
4	Ahire Anuja Devidas	ROAD PROJECT	4	3	2	2	3	14
	Palve Pragati Santosh		4	3	2	2	3	14
	Shinde Vidya Mohandas		4	3	2	2	3	14
	Wagh Vaishali Dattu		4	3	2	2	3	14

5	Gajarmal Prasad Balwant	AIRCRAFT SYSTEM	2	2	2	2	3	11
	Thavil Nitin Dharma		2	2	2	2	3	11
	Bhamre Shivam Avinash		2	2	2	2	3	11
	Sonawne Aayush Depak		2	2	2	2	3	11
6	Bhalerao Dhananjay Pandharinath	RESIDENTIAL BUILDING G+6	2	2	2	2	2	10
	Joshi Tejas Shashikant		2	2	2	2	2	10
	Bhamare Karan Rajendra		2	2	2	2	2	10
	Bhamare Akshay Himmat		2	2	2	2	2	10
7	Chine Pratik Gorakshnath	BRIDGE	4	3	4	4	4	19
	Bendkule Gayatri Rajesh		4	3	4	4	4	19
	Darode Shweta Hemant		4	3	4	4	4	19
	Sanap Sonali Ramkrushna		4	3	4	4	4	19
8	More Shashikant Gokul	DAMS AND CANALS	2	3	3	3	3	14
	Bachhav Harshal Prashant		2	3	3	3	3	14
	Patil Shubham Devidas		2	3	3	3	3	14
	Patil Chetan Vishwas		2	3	3	3	3	14
9	Jadhav Shriyog Shantaram	DAMS	3	4	4	4	4	19
	Boraste Samrudhi Sunil		3	4	4	4	4	19
	Mhaisdhune Pranav Shankar		3	4	4	4	4	19
	Badgujar Shubhangi Vilas		3	4	4	4	4	19
10	Jawale Hrishikesh Narendra	HOSPITAL	3	4	4	4	4	19
	Rajput Jayraj Sunil		3	4	4	4	4	19
	Bhamare Revati Arun		3	4	4	4	4	19
	Bodade Vishakha Prabhakar		3	4	4	4	4	19
11	Shingade Omkar Sanjay	HYDROPOWER PLANT	2	3	4	3	3	15
	Pagar Harshvardhan Hemant		2	3	4	3	3	15
	Jadhav Kunal Sambhaji		2	3	4	3	3	15
	Hujband Aniket Kiran		2	3	4	3	3	15

12	Deore Chetan Manik	SEWAGE TREATMENT PLANT	1	2	2	2	2	9
	Shinde Mayur Dhondiram		1	2	2	2	2	9
	Ahire Mayur Nandu		1	2	2	2	2	9
	More Saurav Mulchand		1	2	2	2	2	9
13	Kardile anjali Santosh	RMC PLANT	4	4	4	3	4	19
	Khairnar monali sanjay		4	4	4	3	4	19
	Kulkarni janhavi shrikant		4	4	4	3	4	19
	Thakare kajal sanjay		4	4	4	3	4	19
14	Shinde Pratiksha Deepak	WATER TREATMENT PLANT	4	4	4	3	3	18
	Bhadange Mrugdha Sunil		4	4	4	3	3	18
	Shinde Urmila Devidas		4	4	4	3	3	18
	Chothave Aishwarya Rajendra		4	4	4	3	3	18
15	Gangode Mayuri Nandkumar	SCHOOL (HIGHER SECONDARY SCHOOL)	2	4	3	3	3	15
	Pawar Mrunal Sanjay		2	4	3	3	3	15
	Chandwadkar Sakshi Rakesh		2	4	3	3	3	15
	Bhamare Harshada Sanjay		2	4	3	3	3	15
16	Toche Saurabh Madhukar	TOWNSHIP	4	4	3	3	3	17
	Kanoje Manoj Shivaji		4	4	3	3	3	17
	Jadhav Pranav Shashikant		4	4	3	3	3	17
	Bhor Mayuri Ratan		4	4	3	3	3	17
17	Adke Poonam Vilas	RAILWAY PROJECT	3	4	4	3	4	18
	Ghule Pratik Somnath		3	4	4	3	4	18
	Nankar Shubham Vijay		3	4	4	3	4	18
18	Unnati Rajendra Jadhav	PAVERBLOCK UNIT	3	2	3	2	2	12
19	Gangurde Sanket Rajendra	RMC PLANT	2	4	3	4	3	16
	Bodke Aditya Dnyaneshwar		2	4	3	4	3	16
	Deshmukh Dinesh Kalu		2	4	3	4	3	16
	Desale Mayur Rajendra		2	4	3	4	3	16

20	Bhalerao Poonam Lahu	WATER TREATMENT PLANT	3	4	3	3	3	16
	Bhamre Roshani Mohan		3	4	3	3	3	16
	Patil Varsha Vasant		3	4	3	3	3	16
	Satbhai Ankita Bhaskar		3	4	3	3	3	16

Course Outcomes (Related to Methodology)

	After the completion of course students will be able to:	BTL
CO2	Illustrate construction scheduling, work study and work measurement.	3

POs (Related to Methodology)

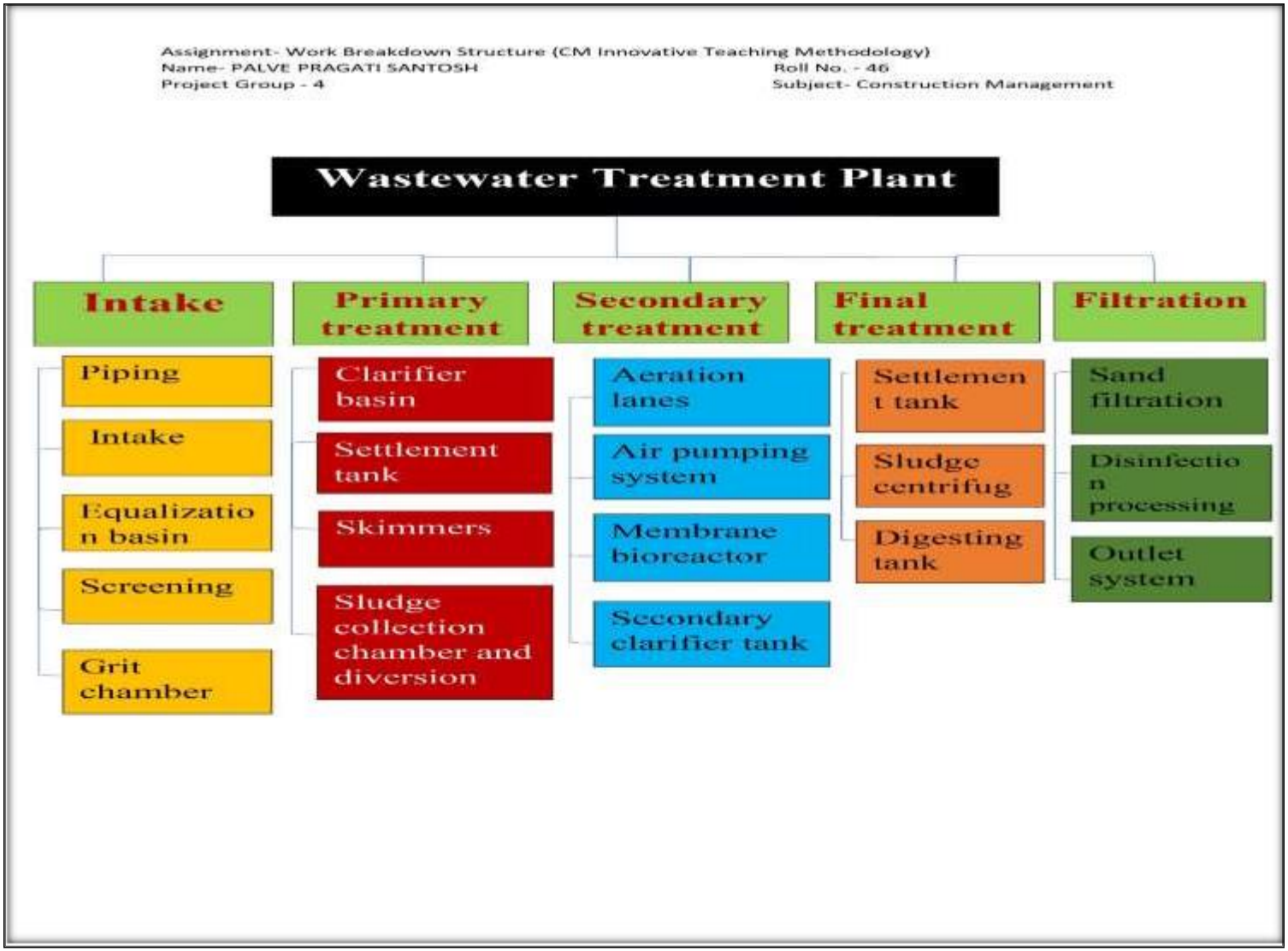
PO1	**Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	**Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	**Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	**Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO6	**The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO8	**Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
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.
PO11	**Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	**Life-long learning**: Recognize the need for, and have the preparation and ability to engage in independent and life -long learning in the broadest context of technological change.

PSOs (Related to Methodology)

PSO1	Graduates will apply technical knowledge, engineering skills, and competencies necessary for entering civil engineering caree r
PSO2	Graduates will demonstrate knowledge and techniques in engineering fields for effectivemanagement and professional development.
PSO3	Graduates will apply technical and professional skills to be nationally competitive for employment/ self-employment thereby benefit the society

Evidences: Activity Photographs/Videos/Sample PPT's

Assignment- Work Breakdown Structure (CM Innovative Teaching Methodology)
Name- PALVE PRAGATI SANTOSH
Roll No. - 46
Project Group - 4
Subject- Construction Management



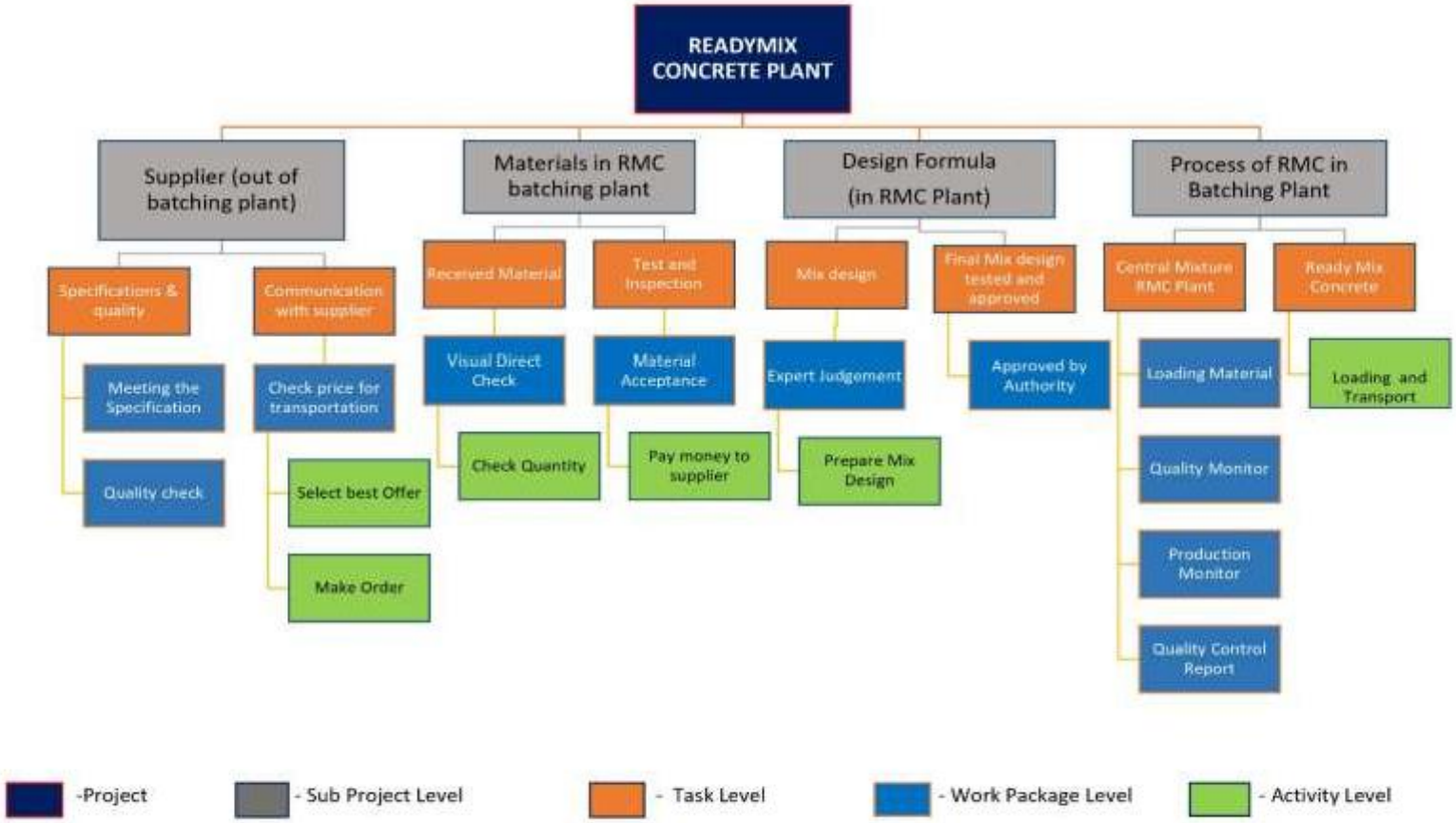
Work Breakdown Structure (CM Innovative Teaching Method)

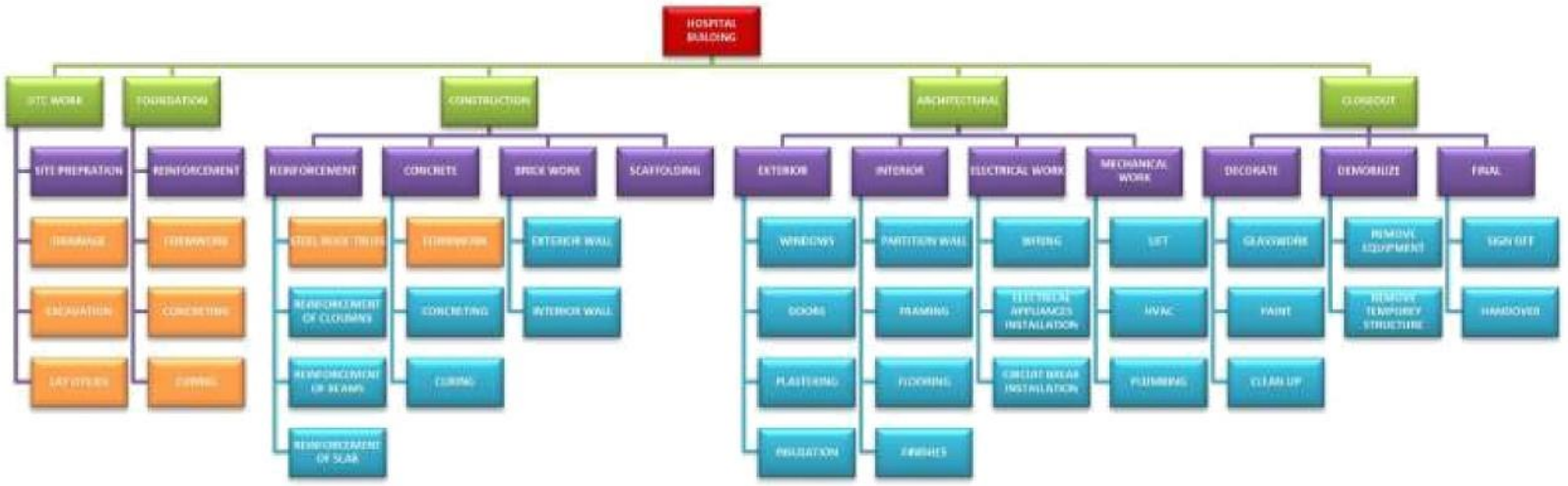
Name :- Bodke Aditya Dnyaneshwar

Roll No:- 20

Project Group -19

Subject :-Construction Management





PROJECT

SUB-PROJECT

TASK LEVEL

ACTIVITY

WORK PACKEG LEVEL

\AfORX BREAk 0@WN STRUCTURE OF Hg5PITAL COM$TRIJCTION

GROUP NO. 10

19. \/I5HAKhA BODADE

56. JAYRAJ RAJPUT

IS REVATJ BhA MARK

lb. HfiISHiKESH JAWALE

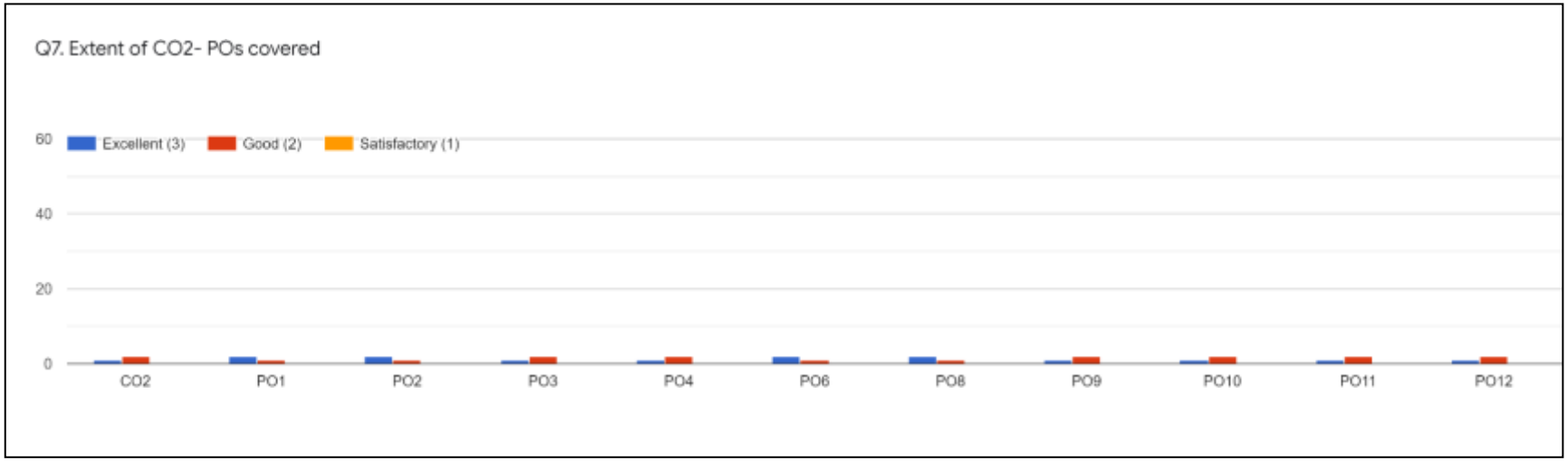
Feedback/Impact Analysis (Based on Students Feedback):

Course Outcome

	Course Outcome	CO2
A	No. of Groups/Students Achieving CO	66
B	Total Rating	190
C	Average Rating (B/A)	2.88

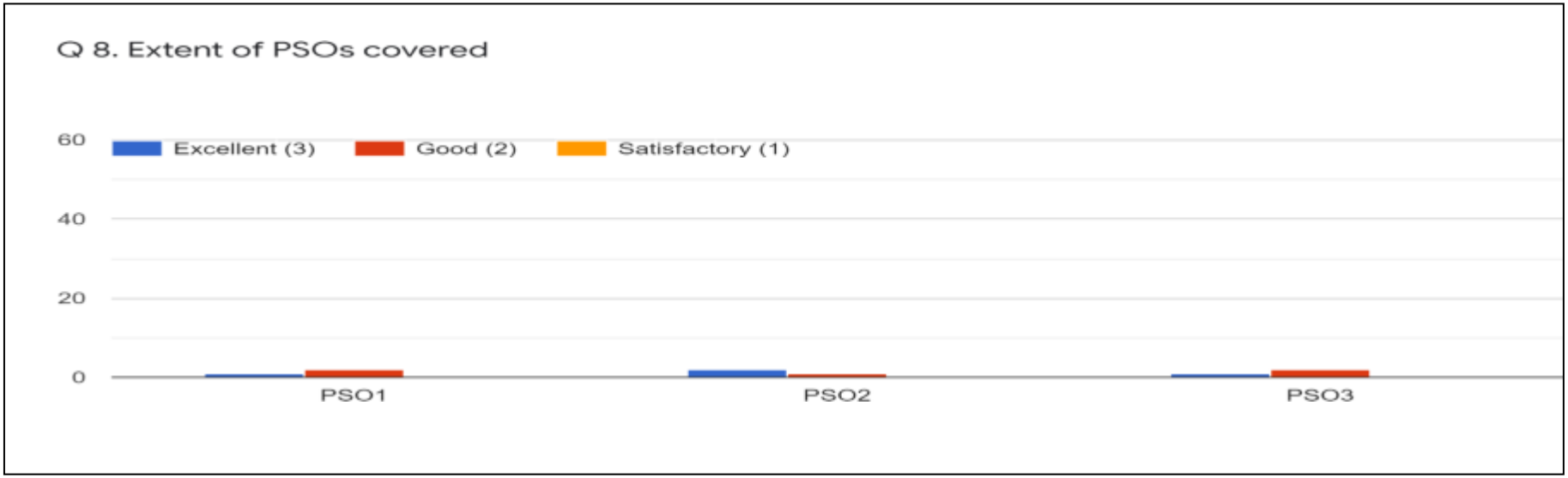
Program Outcome

	Program Outcome	PO1	PO2	PO3	PO4	PO6	PO8	PO9	PO10	PO11	PO12
A	No. of Groups/Students Achieving PO	66	66	66	66	66	66	66	66	66	66
B	Total Rating	181	187	182	187	184	185	185	183	185	186
C	Average Rating (B/A)	2.74	2.83	2.76	2.83	2.79	2.80	2.80	2.77	2.80	2.82



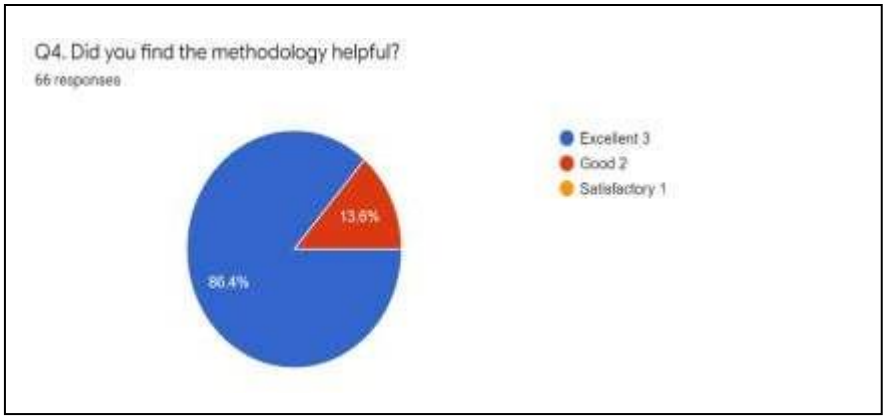
Program Specific Outcome

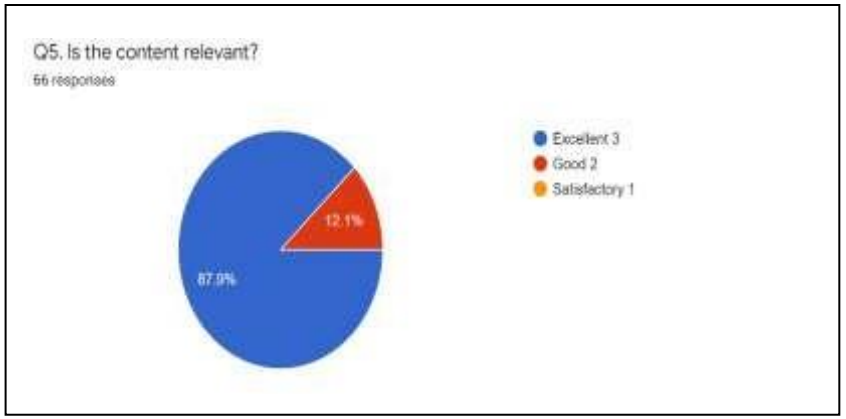
	Program Specific Outcome	PSO1	PSO2	PSO3
A	No. of Groups/Students Achieving PSO	66	66	66
B	Total Rating	189	185	189
C	Average Rating (B/A)	2.86	2.80	2.86

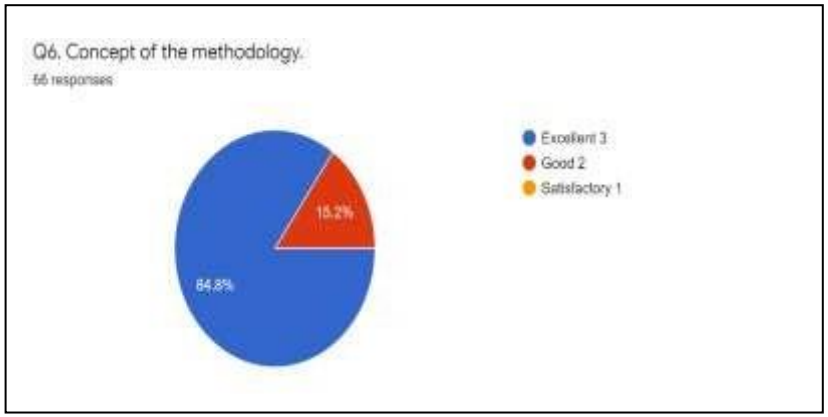


Impact Analysis of Methodology (Based on Students Feedback):

		1. Did you find the methodology helpful	2.Is the content relevant	3. Concept of the methodology
A	No. of Groups/Students Achieving CO	66	66	66
B	Total Rating	190	190	190
C	Average Rating (B/A)	2.88	2.88	2.88







Link for Review and Critics:
https://forms.gle/ZJTDyVqr9AqsFnmW9