



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 – 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: -



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

Group No.	Name of Student	Name of Topic	Skills					Final Marks
			Marks	4	4	4	4	
			Use of time	Knowledge of subject	Required elements	Visual Clarity and Appeal	Thinking Ability	
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

	Patil Mohanish Hemant	COMMERCIAL BUILDING	3	3	3	3	3	15
	Patil Siddhant Vilas		3	3	3	3	3	15
3	Dargode Nikhil Arun		3	3	3	3	3	15
	Nikam Rushikesh Subhash		3	3	3	3	3	15
	Ahire Anuja Devidas	ROAD PROJECT	4	3	2	2	3	14
	Palve Pragati Santosh		4	3	2	2	3	14
4	Shinde Vidya Mohandas		4	3	2	2	3	14
	Wagh Vaishali Dattu		4	3	2	2	3	14
	Gajarmal Prasad Balwant	AIRCRAFT SYSTEM	2	2	2	2	3	11
	Thavil Nitin Dharma		2	2	2	2	3	11
5	Bhamre Shivam Avinash		2	2	2	2	3	11
	Sonawne Aayush Depak		2	2	2	2	3	11
	Bhalerao Dhananjay Pandharinath	RESIDENTIAL BUILDING G+6	2	2	2	2	2	10
	Joshi Tejas Shashikant		2	2	2	2	2	10
6	Bhamare Karan Rajendra		2	2	2	2	2	10
	Bhamare Akshay Himmat		2	2	2	2	2	10
	Chine Pratik Gorakshnath	BRIDGE	4	3	4	4	4	19
	Bendkule Gayatri Rajesh		4	3	4	4	4	19
7	Darode Shweta Hemant		4	3	4	4	4	19
	Sanap Sonali Ramkrushna		4	3	4	4	4	19
	More Shashikant Gokul	DAMS AND CANALS	2	3	3	3	3	14
	Bachhav Harshal Prashant		2	3	3	3	3	14
8	Patil Shubham Devidas		2	3	3	3	3	14
	Patil Chetan Vishwas		2	3	3	3	3	14

	Jadhav Shriyog Shantaram	DAMS	3	4	4	4	4	19
	Boraste Samrudhi Sunil		3	4	4	4	4	19
9	Mhaisdhune Pranav Shankar		3	4	4	4	4	19
	Badgujar Shubhangi Vilas		3	4	4	4	4	19
	Jawale Hrishikesh Narendra	HOSPITAL	3	4	4	4	4	19
	Rajput Jayraj Sunil		3	4	4	4	4	19
10	Bhamare Revati Arun		3	4	4	4	4	19
	Bodade Vishakha Prabhakar		3	4	4	4	4	19
	Shingade Omkar Sanjay	HYDROPOWER PLANT	2	3	4	3	3	15
11	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
	Deore Chetan Manik	SEWAGE TREATMENT PLANT	1	2	2	2	2	9
	Shinde Mayur Dhondiram		1	2	2	2	2	9
12	Ahire Mayur Nandu		1	2	2	2	2	9
	More Saurav Mulchand		1	2	2	2	2	9
	Kardile anjali Santosh	RMC PLANT	4	4	4	3	4	19
	Khairnar monali sanjay		4	4	4	3	4	19
13	Kulkarni janhavi shrikant		4	4	4	3	4	19
	Thakare kajal sanjay		4	4	4	3	4	19
	Shinde Pratiksha Deepak	WATER TREATMENT PLANT	4	4	4	3	3	18
	Bhadange Mrugdha Sunil		4	4	4	3	3	18
14	Shinde Urmila Devidas		4	4	4	3	3	18
	Chothave Aishwarya Rajendra		4	4	4	3	3	18

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)

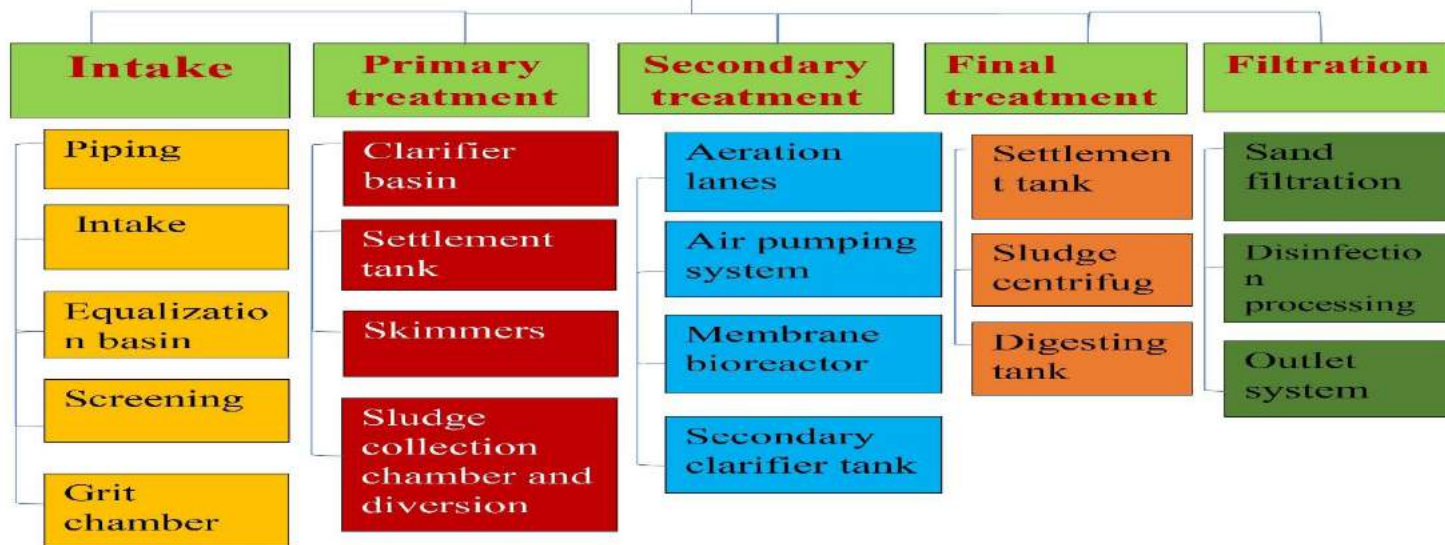
PSO1	Graduates will able to apply fundamental knowledge, problem solving skills, engineering experimental abilities and design capabilities necessary for entering civil engineering career.
PSO2	Graduates will be able to demonstrate knowledge and techniques in engineering fields for effective management and professional development.
PSO3	Graduates will be able to 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
Project Group - 4

Roll No. - 46
Subject- Construction Management

Wastewater Treatment Plant



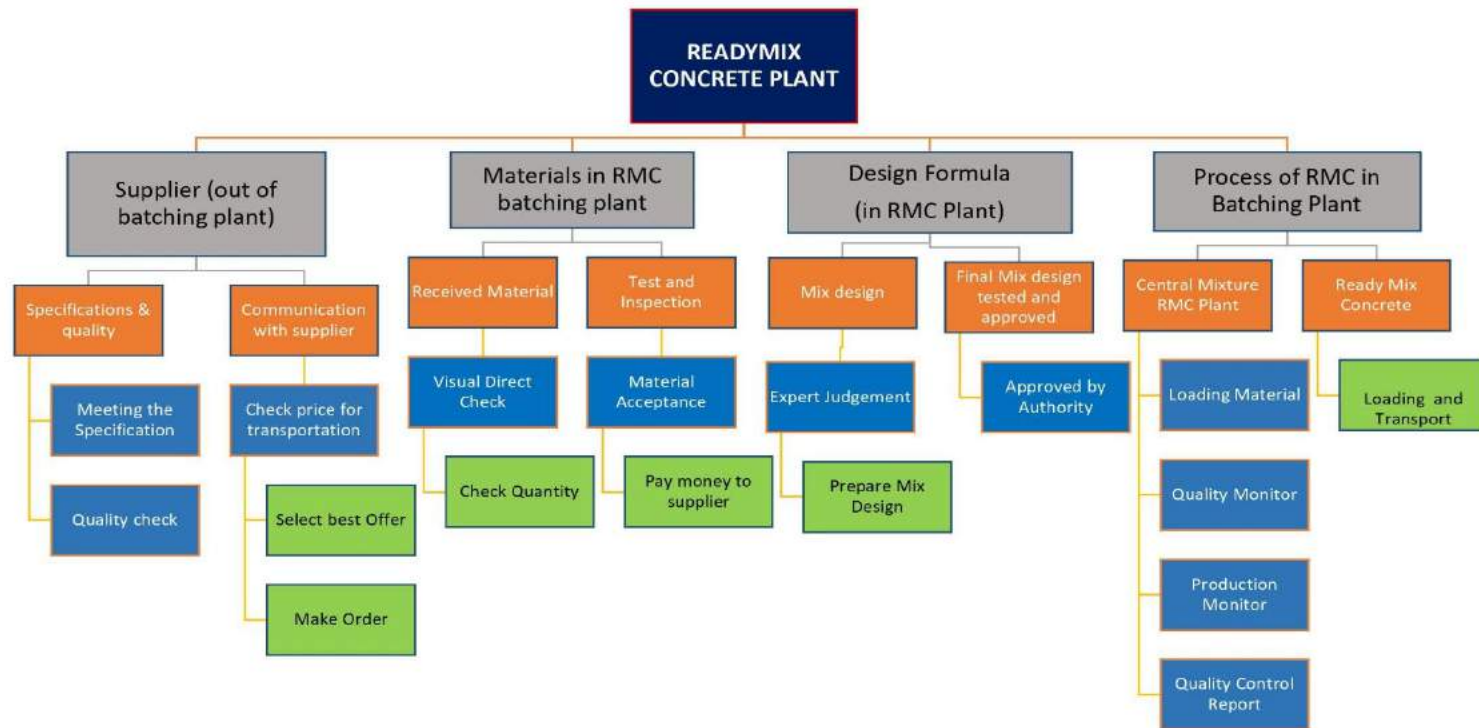
Work Breakdown Structure (CM Innovative Teaching Method)

Name :- Bodke Aditya Dnyaneshwar

Roll No:- 20

Project Group -19

Subject :-Construction Management



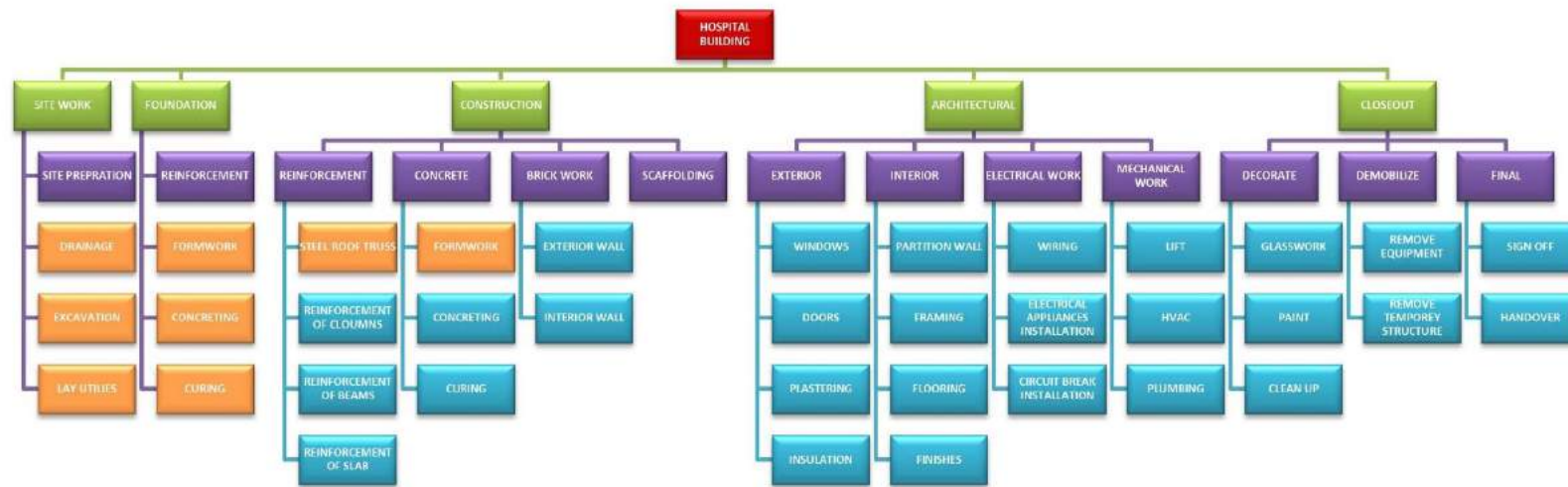
-Project

- Sub Project Level

- Task Level

- Work Package Level

- Activity Level



WORK BREAK DOWN STRUCTURE OF HOSPITAL CONSTRUCTION

GROUP NO. 10

19. VISHAKHA BODADE

15. REVATI BHAMARE

56. JAYRAJ RAJPUT

36. HRISHIKESH JAWALE

Feedback/Impact Analysis (Based on Students Feedback):**Course Outcome**

	Course Outcome	CO2
A	No. of Groups/Students Achieving CO	63
B	Total Rating	246
C	Average Rating (B/A)	3.90

Program Outcome

	Program Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
A	No. of Groups/Students Achieving PO	63	63	63	63	63	63	63	63	63	63	63	63
B	Total Rating	236	242	238	243	239	240	241	239	241	242	236	242
C	Average Rating (B/A)	3.75	3.84	3.78	3.86	3.79	3.81	3.83	3.79	3.83	3.84	3.75	3.84

Program Specific Outcome

	Program Specific Outcome	PSO1	PSO2	PSO3
A	No. of Groups/Students Achieving PSO	63	63	63
B	Total Rating	245	240	245
C	Average Rating (B/A)	3.89	3.81	3.89

Link for Review and Critics:

<https://forms.gle/ZJTDyVqr9AqsFnmW9>