

## Course File

# Dams And Hydraulics Structures Lab

(Course Code- 401016)

( Civil Engineering ) Sem - 8: BECE

Course Incharge

Pallavi Padalkar

Assistant Professor

**2022-23**



Guru Gobind Singh College of Engineering & Research Centre, Nashik





# Guru Gobind Singh College of Engineering & Research Centre, Nashik

Civil Engineering

## DHS Lab Practicals - 2022-23

**Subject :** [ 401016 ] Dams and Hydraulics Structures Lab - Practical **Faculty :** Pallavi Padalkar / Rahul Paikrao **Batch :** BECE B1, BECE B2, BECE B3

**Year :** FINAL YEAR - Sem - 8: BECE **Marks :** 100 **Date :** 22 May, 2023 **Duration :** 120 Minutes

All the questions are compulsory.

### 1 Practical Assignments

1.1 Literature collection of introductions to dams (minimum 5 dams) or case study of failure of any hydraulic structure. **(10.00 Marks)**

**Bloom's Level :** Understand, Remember **Course Outcome :** CO1, CO2, CO3, CO4, CO5, CO6

1.2 Stability analysis of gravity dam **(10.00 Marks)**

**Bloom's Level :** Evaluate, Analyze, Apply, Understand, Remember **Course Outcome :** CO2

1.3 Design of profile of spillway. **(10.00 Marks)**

**Bloom's Level :** Create, Evaluate, Analyze, Apply, Understand, Remember **Course Outcome :** CO3

1.4 Design of energy dissipation device below the spillway. **(10.00 Marks)**

**Bloom's Level :** Create, Evaluate, Analyze, Apply, Understand, Remember **Course Outcome :** CO3

1.5 Stability analysis of zoned earthen dam (Preferably use of AutoCAD sheet) **(10.00 Marks)**

**Bloom's Level :** Evaluate, Analyze, Apply, Understand, Remember **Course Outcome :** CO4

1.6 Analysis of weirs on permeable foundations. **(10.00 Marks)**

**Bloom's Level :** Evaluate, Analyze, Apply, Understand, Remember **Course Outcome :** CO5

1.7 Design of lined canal **(10.00 Marks)**

**Bloom's Level :** Create, Evaluate, Analyze, Apply, Understand, Remember **Course Outcome :** CO5

1.8 Site visits Gravity dam/earthen dam **(10.00 Marks)**

**Bloom's Level :** Understand, Remember **Course Outcome :** CO1, CO2, CO3, CO4, CO5, CO6

1.9 Site visits Spillway **(10.00 Marks)**

**Bloom's Level :** Create, Evaluate, Analyze, Apply, Understand, Remember **Course Outcome :** CO1, CO2, CO3, CO4, CO5, CO6

1.10 Site Visit CD/Canal structures/Weirs/Barrage **(10.00 Marks)**

**Bloom's Level :** Understand, Remember **Course Outcome :** CO1, CO2, CO3, CO4, CO5, CO6



## Guru Gobind Singh College of Engineering & Research Centre, Nashik

Civil Engineering [2022-23]

**Title :** DHS Lab Practicals

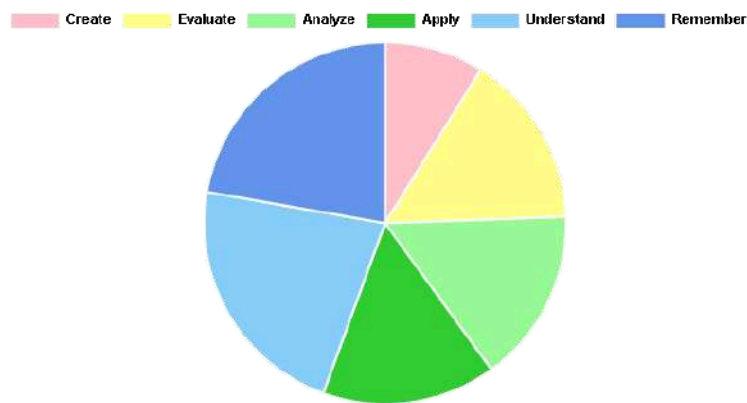
**Subject :** Dams and Hydraulics Structures Lab - Practical

**Faculty :** Pallavi Padalkar / Rahul Paikrao

**Year :** FINAL YEAR - Sem - 8: BECE

**Marks :** 100

Marks distribution as per Bloom's level



Bloom's Level	Linked Question Count	Marks	Percentage
Create	4	40	40.00
Evaluate	7	70	70.00
Analyze	7	70	70.00
Apply	7	70	70.00
Understand	10	100	100.00
Remember	10	100	100.00

**NOTE :** Percentage for each Bloom's level is calculated using following formula

**Percentage = ( Marks per Bloom's level / Total marks of all questions [OPTIONAL question included] ) \* 100**

**Total marks of all questions [OPTIONAL question included] = 100**



## Guru Gobind Singh College of Engineering & Research Centre, Nashik

Civil Engineering [2022-23]

**Title :** DHS Lab Practicals

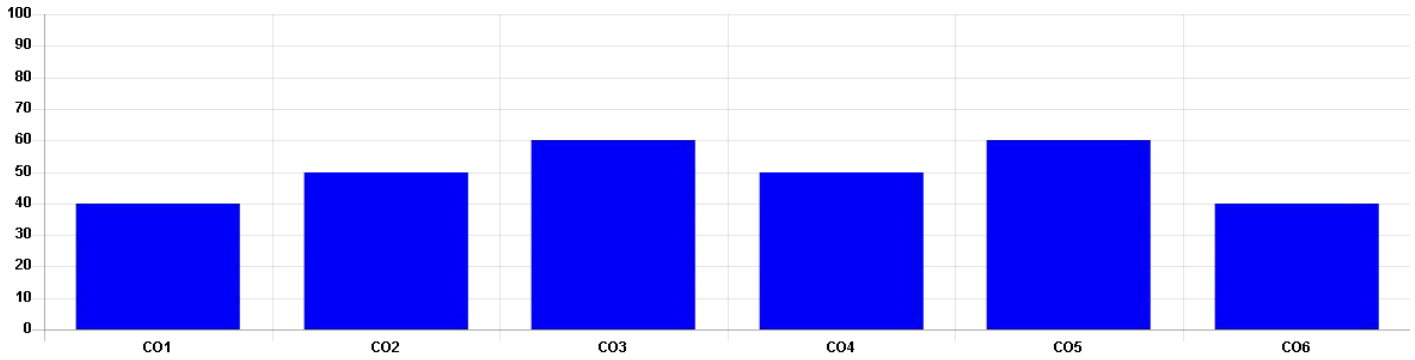
**Subject :** Dams and Hydraulics Structures Lab - Practical

**Faculty :** Pallavi Padalkar / Rahul Paikrao

**Year :** FINAL YEAR - Sem - 8: BECE

**Marks :** 100

Marks distribution as per course outcome



Course Outcome	Linked Question Count	Marks	Percentage
CO1	4	40	40.00
CO2	5	50	50.00
CO3	6	60	60.00
CO4	5	50	50.00
CO5	6	60	60.00
CO6	4	40	40.00

**NOTE :** Percentage for each course outcome is calculated using following formula

**Percentage = ( Marks per course outcome / Total marks of all questions [OPTIONAL question included] ) \* 100**

**Total marks of all questions [OPTIONAL question included] = 100**



Guru Gobind Singh College of Engineering & Research Centre, Nashik

Students Score - (DHS Lab Practicals) Threshold 40%

DHS Lab Practicals														
Practical Assignments														
Roll No	Name	Literature col... [10.00 Marks]	Stability anal... [10.00 Marks]	Design of prof... [10.00 Marks]	Design of ener... [10.00 Marks]	Stability anal... [10.00 Marks]	Analysis of we... [10.00 Marks]	Design of line... [10.00 Marks]	Site visits Gr... [10.00 Marks]	Site visits Sp... [10.00 Marks]	Site Visit CD/... [10.00 Marks]		Total	Mark As Absent
1	Anupam Ambhore	8	8	8	9	8	8	7	8	9	7	Saved	80	<input type="checkbox"/>
3	Roshni Mali	8	8	8	8	8	7	9	9	8	8	Saved	81	<input type="checkbox"/>
4	Gulamoin Shaikh	9	9	9	8	8	9	9	9	8	9	Saved	87	<input type="checkbox"/>
5	Deepanshu Ahire	7	8	7	6	6	7	8	8	8	8	Saved	73	<input type="checkbox"/>
6	Harshal Baviskar	8	8	8	7	8	7	8	9	8	8	Saved	79	<input type="checkbox"/>
7	Omkar Bedade	7	8	7	8	7	8	7	7	8	8	Saved	75	<input type="checkbox"/>
8	Abhishek Bhabad	8	8	8	9	9	8	9	8	9	8	Saved	84	<input type="checkbox"/>
9	Vaishnavi Bhagwat	9	8	9	9	9	9	9	9	9	9	Saved	89	<input type="checkbox"/>
10	Dhananjay Chavan	8	7	8	8	7	8	7	8	8	0	Saved	69	<input type="checkbox"/>
11	Janvi Chavan	8	8	9	9	9	8	8	9	9	8	Saved	85	<input type="checkbox"/>
12	Pratik Chavhan	9	9	8	8	9	9	8	9	8	8	Saved	85	<input type="checkbox"/>
13	Yash Dhakane	8	8	8	8	8	9	9	7	9	9	Saved	83	<input type="checkbox"/>
14	Tanmayee Dighe	8	8	9	8	9	8	8	8	7	7	Saved	80	<input type="checkbox"/>
15	Tushar Dive	7	7	7	7	7	8	8	8	7	7	Saved	73	<input type="checkbox"/>
16	Harshwardhan Donde	8	7	7	8	7	9	7	7	8	7	Saved	75	<input type="checkbox"/>
17	Aniket Fulpagare	9	8	9	8	8	9	9	9	9	0	Saved	78	<input type="checkbox"/>
18	Sarika Gavhane	9	8	8	8	8	8	8	8	8	9	Saved	82	<input type="checkbox"/>
19	Sandesh Ghode	7	6	5	6	5	8	7	8	8	5	Saved	65	<input type="checkbox"/>
20	Akshata Ghumare	8	9	8	8	8	9	9	9	9	9	Saved	86	<input type="checkbox"/>
21	Shweta Gite	7	9	8	10	9	9	9	9	8	9	Saved	87	<input type="checkbox"/>
22	Gayatri Gosavi	9	8	8	8	8	9	8	7	7	8	Saved	80	<input type="checkbox"/>

		DHS Lab Practicals												
		Practical Assignments												
Roll No	Name	Literature col... [10.00 Marks]	Stability anal... [10.00 Marks]	Design of prof... [10.00 Marks]	Design of ener... [10.00 Marks]	Stability anal... [10.00 Marks]	Analysis of we... [10.00 Marks]	Design of line... [10.00 Marks]	Site visits Gr... [10.00 Marks]	Site visits Sp... [10.00 Marks]	Site Visit CD/... [10.00 Marks]		Total	Mark As Absent
23	Apoorva Jadhav	8	8	9	9	9	9	8	8	9	9	Saved	86	<input type="checkbox"/>
24	Dhanshree Jagale	8	8	8	7	7	8	8	8	8	9	Saved	79	<input type="checkbox"/>
25	Vaishnavi Kale	8	8	8	9	8	8	7	8	9	7	Saved	80	<input type="checkbox"/>
26	Komal Kamble	8	8	8	8	8	7	9	9	8	8	Saved	81	<input type="checkbox"/>
27	Nikhil Kulkarni	9	9	9	8	8	9	9	9	8	9	Saved	87	<input type="checkbox"/>
28	Mohini Mahale	7	8	7	6	6	7	8	8	8	8	Saved	73	<input type="checkbox"/>
29	Monis Mansuri	8	8	8	7	8	7	8	9	8	8	Saved	79	<input type="checkbox"/>
30	Ashutosh Mhaske	7	8	7	8	7	8	7	7	8	8	Saved	75	<input type="checkbox"/>
31	Gauri More	8	8	8	9	9	8	9	8	9	8	Saved	84	<input type="checkbox"/>
32	Shweta Mungse	9	8	9	9	9	9	9	9	9	9	Saved	89	<input type="checkbox"/>
33	Shivam Nikam	8	7	8	8	7	8	7	8	8	0	Saved	69	<input type="checkbox"/>
34	Sakshi Pajai	8	8	9	9	9	8	8	9	9	8	Saved	85	<input type="checkbox"/>
35	Prathmesh Patil	9	9	8	8	9	9	8	9	8	8	Saved	85	<input type="checkbox"/>
36	Suraj Patil	8	8	8	8	8	9	9	7	9	9	Saved	83	<input type="checkbox"/>
37	Janhavee Salve	8	8	9	8	9	8	8	8	7	7	Saved	80	<input type="checkbox"/>
38	Ketki Sansare	7	7	7	7	7	8	8	8	7	7	Saved	73	<input type="checkbox"/>
39	Afrin Shaikh	8	7	7	8	7	9	7	7	8	7	Saved	75	<input type="checkbox"/>
40	Shamayela Shaikh	9	8	9	8	8	9	9	9	9	0	Saved	78	<input type="checkbox"/>
41	Shahad Shaikh	9	8	8	8	8	8	8	8	8	9	Saved	82	<input type="checkbox"/>
42	Jayshree Shelke	7	6	5	6	5	8	7	8	8	5	Saved	65	<input type="checkbox"/>
43	Pranita Shirode	8	9	8	8	8	9	9	9	9	9	Saved	86	<input type="checkbox"/>
44	Vrushali Shisav	7	9	8	10	9	9	9	9	8	9	Saved	87	<input type="checkbox"/>
45	Jaydeep Tamkhane	9	8	8	8	8	9	8	7	7	8	Saved	80	<input type="checkbox"/>
46	Yash Thakare	9	9	9	8	7	8	8	8	8	9	Saved	83	<input type="checkbox"/>
47	Shivani Thakur	7	7	7	8	8	7	7	7	7	7	Saved	72	<input type="checkbox"/>
48	Ram Vadaje	8	8	8	7	9	9	8	8	9	7	Saved	81	<input type="checkbox"/>



	Literature col...	Stability anal...	Design of prof...	Design of ener...	Stability anal...	Analysis of we...	Design of line...	Site visits Gr...	Site visits Sp...	Site Visit CD/...
Linked course outcome	CO1, CO...	CO2	CO3	CO3	CO4	CO5	CO5	CO1, CO...	CO1, CO...	CO1, CO...
Attainment	3	3	3	3	3	3	3	3	3	3

Course outcome	CO1	CO2	CO3	CO4	CO5	CO6
Final attainment	3.00	3.00	3.00	3.00	3.00	3.00

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