



SHIVAJI UNIVERSITY, KOLHAPUR

FINAL YEAR (B.Tech.) CBCS

In

CIVIL ENGINEERING

(To be implemented from JUNE 2021)

Final Year Civil Engineering - CBCS Pattern

SEMESTER– VII																							
Sr.No	Course(Subject Title)	TEACHINGSCHEME									EXAMINATIONSCHEME												
		THEORY			TUTORIAL			PRACTICAL			THEORY					PRACTICAL			TERMWORK				
		Credits	No. of lectur e	Hours	Credits	No. of lectur e	Hours	Credits	No. of lectur e	Hours	Hours	Mode	Marks	Total Marks	Min	Hours	Max	Min	Hours	Max	Min		
1	PCC-CV701	4	4	4	-	-	-	1	2	2	AsperBOSGuidelines		CIE	30	100	40		-	-	2	25	20	
2	PCC-CV702	3	3	3	1	1	1	-	-	-			ESE	70									
3	PCC-CV703	3	3	3	-	-	-	1	2	2			CIE	30	100	40		25	10	2	25	10	
4	PCC-CV704	3	3	3	-	-	-	1	2	2			ESE	70									
5	PCE-CV705	3	3	3	1	1	1	-	-	-			CIE	30	100	40		25	10	2	25	20	
6	PCC-CV706	2	2	2	-	-	-	1	2	2			ESE	70									
7	SI-CV707	-	-	-	-	-	-	-	-	-			-	-	-	-		-	-	-	25	20	
8	PW-CV708	-	-	-	-	-	-	1	2	2			-	-	-	-		-	-	2	50	20	
	TOTAL	18	18	18	2	2	2	5	10	10					500				75			225	
SEMESTER –VIII																							
1	PCC-CV801	4	4	4	-	-	-	1	2	2	AsperBOSGuidelines		CIE	30	100	40		-	-	2	25	10	
2	PCC-CV802	3	3	3	-	-	-	1	2	2			ESE	70									
3	PCC-CV803	3	3	3	-	-	-	1	2	2			CIE	30	100	40		-	-	2	25	10	
4	PCE-CV804	3	3	3	1	1	1	-	-	-			ESE	70									
5	PCE-CV805	3	3	3	1	1	1	-	-	-			CIE	30	100	40		-	-	-	-	-	
6	PCC-CV806	-	-	-	-	-	-	2	4	4			ESE	70									
7	PW-CV807	-	-	-	-	-	-	1	2	2			CIE	30	100	40		25	10	2	50	20	
	TOTAL	16	16	16	2	2	2	7	14	14			-	-									-
	TOTAL	35	35	35	3	3	3	12	24	24					1000				200			400	

SHIVAJI UNIVERSITY, KOLHAPUR
FINAL YEAR B.Tech Civil Semester VII
FIELD TRAINING

Course	Teaching Scheme					Evaluation Scheme			
	L	T	P	Credit	Scheme	Theory (Marks)		Practical (Marks)	
						Max.	Min. for Passing	Max.	Min. for Passing
FT (SI-CV707)	--	--	--	--	ISE	---	---	25	10
					CIE	---	---	---	---
					ESE	---	---	---	---

ISE: In Semester Evaluation CIE: Continuous Internal Evaluation ESE: End Semester Examination

Based on the field training done by the students in T.Y.B.Tech during the winter and summer vacation, as mentioned in the T. Y. B. Tech. syllabus. The oral is to be conducted preferably in presence of expert from field and final term work marks are to be given based on performance in oral exam and the project report in the field book.

SHIVAJI UNIVERSITY, KOLHAPUR
FINAL YEAR B.Tech Civil Semester VII
PROJECT PHASE - I

Course	Teaching Scheme					Evaluation Scheme			
	L	T	P	Credit	Scheme	Theory (Marks)		Practical (Marks)	
						Max.	Min. for Passing	Max.	Min. for Passing
PP-I (PW-CV708)	--	--	02	01	ISE	---	---	50	20
					CIE	---	---	---	---
					ESE	---	---	---	---

ISE: In Semester Evaluation CIE: Continuous Internal Evaluation ESE: End Semester Examination

The project work will be a design project, experimental project, field surveying or computer oriented on any of the topics of civil engineering interest. It will allot as a group project consisting of a minimum THREE and maximum FIVE number of students, depending upon the depth of project depth work. The student is required to do literature survey, formulate the problem and form a methodology of arriving at the solution of the problem.

Probable Activities of Project Phase – I

01. Submission of project topic with names of group member
02. Finalization of topic and allotment of guide by department through Departmental Research Committee (DRC)
03. Introduction and literature review presentation
04. Methodology and future work presentation
05. Submission of synopsis duly signed by students and guide
06. Presentation of synopsis in front of DRC

The term work assessment of the project will be done continuously throughout the semester by a DRC consisting of 3-4 faculty members from the department along with Project Guide. The students will present their project work before the committee. The complete project report is not expected at the end this semester. However, ten pages typed report based on the work done will have to be submitted by the students to the DRC. The project guides will award the marks to the individual students depending on the group average awarded by the committee.

One Project Guide shall be allotted Maximum TWO groups for guidance.

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For work load calculation minimum load is 1 Hr./week, for one group of FOUR to FIVE students. (As per AICTE Guide Lines).

'Elixa Park'
Commercial & Residential Project

*An Internship Report submitted in partial fulfilment of the
requirements for the degree*

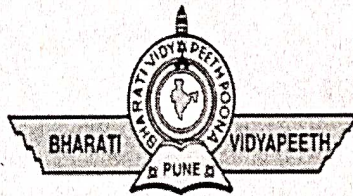
of

Final Year (B.Tech.) CBCS
(Civil Engineering)
A.Y.2021-2022

by

Kamble Pradnya Bharat
(Roll No. 78)

Bharati Vidyapeeth's College of Engineering, Kolhapur

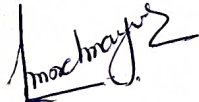


Submitted to
Shivaji University, Kolhapur

FIELD TRAINING REPORT OF BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that internship report entitled "Elixa Park Commercial & Residential Project" is submitted by Kamble Pradnya Bharat (Roll No.78) Semester VII A.Y.2021-2022, to the Shivaji University, Kolhapur, as a partial fulfilment for the award of the degree in Final Year (B.Tech.) CBCS (Civil Engineering) is a bonafide record of work carried out by him/her under my supervision. The contents of this thesis, in full or in parts have not been submitted to any other Institute or University for the award of any degree or diploma.



Prof.M.M.More
Project Guide



Prof.N.A.Mohite
Field Training Coordinator



Prof.V.S.Kadam
H.O.D. Civil



Dr.V. R. Ghorpade
Principal

FIELD TRAINING REPORT OF BIHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING.

Acknowledgement

First of all I would like to thank **Prof. M.M.More** who is presently working as an Assistant Professor in Department of Civil Engineering, Bharati Vidyapeeth's College of Engineering, Kolhapur for guiding me with the opportunities of studying, learning and gaining practical experience in various fields during the period of training. I would like to give special thanks to Prof. N.A.Mohite, Field Training Coordinator for helping me throughout with his wise suggestions, innovative ideas and whole-hearted help.

I am very grateful to Prof.V.S.Kadam, Head of Civil Engineering Department for motivating me in this field training work. Also I am thankful to Prof. Dr. V. R. Ghorpade, Principal of Bharati Vidyapeeth's College of Engineering, Kolhapur for providing necessary facilities for completion of this field training work.

Finally I would like to thank the all the persons who have guided and helped me the opportunity to have a precious and rewarding experience of training in the **Elixa Park commercial & Residential Project** by **Ajaysinh V. Desai Builders and Developers**.



Kamble Pradnya Bharat

(Roll No. 78)

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Chapter 1. Introduction of Training Project Site

Name of project : Elixia Park Commercial & Residential Project

Contractor or Owner : Ajaysinh V. Desai Builders & Developers.

Address : 517 A/ 1/A Plot, 'A' 'E' Ward,
Near Star Bazar and MAI Hyundai,
Old Pune Bangalore Road, Opp. Sayaji Hotel,
Kolhapur- 416005.

Project Area : 3.04 Acres

➤ Carpet area:

- 1 BHK Flat : 644.65sq.ft
- 2 BHK Flat : 710.31sq.ft
- 3 BHK Flat : 1053.79sq.ft
- 4 BHK Flat : 1777.55sq.ft

SCOPE of Project :

Elixia Park spread across 3 acres of prime land is tipped to be a prominent landmark in the city of Kolhapur. With a total built area of over 700,000sq.ft of construction, housing a commercial tower of 175,000 sq.ft of saleable area consisting of showroom, shops and offices ranging from 400 sq.ft to 2500 sq.ft and 250,000 sq.ft of four residential high rise tower of super luxurious 2/3/4 BHK apartments and 4/5 BHK duplexes ranging from 800 sq.ft to 3900 sq.ft of carpet area. Located in close proximity to a mega super market Star Bazar, Shopping mall DYP City, PVR multiplex and 5 star hotel Sayaji.

Estimated Cost : 350 crores

An aerial photograph of a large, modern architectural complex, possibly a university or government building. The complex features several interconnected multi-story buildings with light-colored facades and flat roofs. Some buildings have distinctive architectural elements like tiered roofs or large overhangs. The complex is surrounded by lush green trees and landscaping. In the foreground, there are paved roads with some vehicles and parking areas. The overall scene is captured from a high angle, showing the layout of the buildings and their integration with the surrounding environment.

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FIELD TRAINING REPORT OF BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,

Chapter 2. Daily Work Sheet

Day : 1	Date : 24/ 09/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Plastering work

B) Details of planning and execution of allotted

- i. preparation of surface
- ii. Applying first coat

C) Details of construction materials on site

- i. Sand (artificial, natural)
- ii. Cement (43 grade)
- iii. Steel
- iv. Aggregate

D) Details of construction procedure learned

- i. Clean all the joints and surface by using wire brush
- ii. If their exist any holes or cavities fill it with mortar
- iii. Sprink the water on surface
- iv. By mixing sand, water, cement of 1:4 proportion make a water
- v. Apply first coat

E) Details of construction equipment used at site

- i. Wire brush
- ii. Mixer
- iii. Spatula
- iv. Flat wooden float

F) Details of activities learned today

- i. Surface cleaning
- ii. Plastering

Day : 2	Date : 25/ 09/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. On Field testing of materials

B) construction materials on site

- i. Brick
- ii. Sand
- iii. Cement
- iv. Aggregate

C) Details of construction activities/ drawings to be studied

Brick-

- i. Absorption
- ii. Shape and size
- iii. Colour
- iv. Hardness

Aggregate-

- i. shape
- ii. Size ?
- iii. Surface moisture

Day : 4	Date : 27/ 09/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Quality check of material

B) Details of planning and execution of allotted work

- i. Quality check of sand
- ii. Quality check of cement

C) Details of construction materials on site

- i. Cement
- ii. Sand
- iii. Steel
- iv. Aggregate

FIELD TRAINING REPORT OF BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,

D) Details of construction activities/ drawings to be studied

- Cement
 - i. Colour of cement
 - ii. Presence of lumps
 - iii. Float test
 - iv. Temperature test
 - v. Date of packing
 - vi. Grade of cement
- Sand
 - i. Detect organic matter
 - ii. Colour
 - iii. Texture of sand

Day : 5	Date : 28/ 09/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Plastering

B) Details of planning and execution of allotted

- i. preparation of surface
- ii. Applying first coat

C) Details of construction materials on site

- i. Sand (artificial, natural)
- ii. Water
- iii. Cement (43 grade)
- iv. Steel
- v. Aggregate

E) Details of construction procedure learned

- i. clean all the joints and surface by using wire brush
- ii. If their exist any holes or cavities fill it with mortar
- iii. sprinkle the water on surface
- iv. By mixing sand, water, cement of 1:4 proportion make a water
- v. Apply first coat

F) Details of construction equipment used at site

- i. Wire brush
- ii. Mixer
- iii. Spatula
- iv. Flat wooden float

G) Details of activities learned today

- i. surface cleaning
- ii. plastering

Day : 6	Date : 29/ 09/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Plastering work to walls.
- ii. Scaffolding for plastering.
- iii. Brick work of wall.

B) Details of planning and execution of allotted work

- i. Internal and External plastering by proper proportion mortar.
- ii. Scaffolding for plastering

C) Details of construction materials on site

- i. Steel bars of 6mm, 8mm, 10mm, 12 mm, 16 mm, 20mm, 25mm diameter.
- ii. Ultra tech Pozzolana Cement, Ordinary Portland Cement.
- iii. Sand, Aggregate.
- iv. Cement Pipes
- v. Waterproofing material

D) Details of construction activities/ drawings to be studied

- i. Preparation for plastering and scaffolding.
- ii. Providing of smooth and thin plastering by proper proportion.

E) Details of construction procedure learned

- i. Overall procedure of internal and external plastering with proper proportion mortar and scaffolding.

F) Details of construction equipment used at site

- i. Crane
- ii. Concrete mixture
- iii. Compaction machine
- iv. Needle compactor
- v. Scaffolding material.

G) Details of activities learned today

- i. Overall procedure of internal and external plastering with proper proportion mortar and scaffolding.
- ii. Brick work of wall
- iii. Curing of casted members and plaster.

Day : 7	Date : 30/ 09/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Waterproofing to wc ,bath area.

B) Details of planning and execution of allotted work

- i. Cleaning the surface of wc, bath
- ii. Water proofing using water proofing liquid.

C) Details of construction materials on site

- i. Steel bars of 6mm, 8mm,10mm, 12 mm, 16 mm, 20mm, 25mm diameter.
- ii. Ultra tech Pozzolana Cement, Ordinary Portland Cement.
- iii. Sand, Aggregate.
- iv. Cement Pipes
- v. Shuttering tools.
- vi. Water proofing material.

D) Details of construction activities/ drawings to be studied

- i. Proper Water proofing of wc, bath or the area that having continuous contact with water.

E) Details of construction procedure learned

- i. Cleaning of floor by removing dust extra waste concrete for becoming the surface plan and smooth.
- ii. Stepwise procedure of water proofing.

F) Details of construction equipment used at site

- i. Crane
- ii. Concrete mixture
- iii. Compaction machine
- iv. Needle compactor

G) Details of activities learned today

- i. Stepwise special water proofing at the area which having continuous in contact of water.

Day : 8	Date : 01/10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i) Construction of brick work

B) Details of planning and execution of allotted work

- i) Planning for brick work
- ii) Planning for plastering

C) Details of construction materials on site

- i) Brick
- ii) Cement 50Kg/bag (Ultratech, JK Super cement)
- iii) Aggregate
- iv) Crusher etc.

D) Details of construction activities/ drawings to be studied

- i) Checking plumb
- ii) Fixing of line dory
- iii) Flemish bond
- iv) Cleaning of wall
- v) Curing

E) Details of construction procedure learned

- i) Checking plumb from first floor beam and ground floor brick work
- ii) Fixing of line dory and bricks as per line dory
- iii) Filling of mortar
- iv) Second course by flemish bond
- v) Cleaning and curing for 7-10 days

F) Details of construction equipment used at site

- i) Trowel
- ii) Pan

iii) Brush

G) Details of activities learned today

i) Levelling for brick work

ii) Sizes of bricks, bonds of brick

iii) Quality check of brick

Day : 9	Date : 2/10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

i) Making of scaffolding for external plastering of building A

B) Details of planning and execution of allotted work

i) Planning of forming platform and height of scaffolding work

ii) Use of safety measures

C) Details of construction activities/ drawings to be studied

i) Digging as per requirement

ii) Joining of various platforms and joints

D) Details of construction procedure learned

i) Bamboo or bullies buried 45cm in ground or use strut

ii) Ensure plumb

iii) The distance between scaffolding and wall is 900mm

E) Details of construction equipment used at site

i) Working platform

ii) Raker

iii) Struts etc.

F) Details of activities learned today

i) Holes in masonry for support should not be made at skirting level to avoid seepage/ leakage in wall from the holes

ii) Ensure platforms can carry weight of two people

Day : 11	Date : 4/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i) Curing of brick wall and plastering of cured wall

B) Details of planning and execution of allotted work

- i) Preparation for plastering by cleaning wall or other
- ii) Checking of materials as per requirement

C) Details of construction materials on site

- i) Tools -trowel, pan wheelbarrow, spirit level, float, hoe, etc.
- ii) PPC Cement
- iii) Natural sand

D) Details of construction activities/ drawings to be studied

- i) Mixing of sand cement for plastering
- ii) Application on wall
- iii) Finishing

E) Details of construction procedure learned

- i) Cleaning surface
- ii) Mixing of sand cement as 1: 6 ratio
- iii) Application of mixed material on surface upto 12 to 15mm
- iv) finishing
- v) Curing

F) Details of construction equipment used at site

- i) Tools -trowel, pan wheelbarrow, spirit level, float, hoe, etc.
- ii) Scaffolding materials

G) Details of activities learned today

- i) For plastering PPC cement should be used
- ii) Plastering of sillings should be done first to remove scaffolding
- iii) Plastering for internal 12 mm and for external 15mm
- iv) masonry should be dried before plastering

Day : 12	Date : 5/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i) Construction of stairs

B) Details of planning and execution of allotted work

- i) Mixing of concrete for staircase
- ii) Construction of staircase

D) Details of construction activities/ drawings to be studied

- i) Proportion for mix design
- ii) Drawing of staircase and Type

E) Details of construction procedure learned

- i) Shuttering
- ii) Concrete work

F) Details of construction equipment used at site

- i) Plywood
- ii) Hammer
- iii) Nails, etc.

G) Details of activities learned today

- i) Proportion of concrete for staircase
- ii) Importance of hammering
- iii) Importance of sizes and Suffitonn slope for staircase

Day : 13	Date : 06/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i) Construction of stairs
- ii) Construction of beam

B) Details of planning and execution of allotted work

- i) Deshuttering of staircase
- ii) Curing of staircase
- iii) Shuttering for beam

D) Details of construction activities/ drawings to be studied

- i) Deshuttering time for staircase
- ii) Curing time and type for staircase
- iii) Shuttering for beam and bar bending

E) Details of construction procedure learned

- i) Deshuttering with safety
- ii) Curing by sprinkling water and using gunny bags
- iii) Macking beam as per design only with lapping

F) Details of construction equipment used at site

- i) Tools
- ii) Hammer
- iii) Crane
- iv) Bars 12mm to 32 mm etc

G) Details of activities learned today

- i) Deshuttering of staircase
- ii) Shuttering of beam and bar bending of beam

Day : 14	Date : 07/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i) Construction of beam

B) Details of planning and execution of allotted work

- i) Mixing concrete
- ii) Preparing crane and bucket other equipments for concreting

D) Details of construction activities/ drawings to be studied

- i) Pouring of concrete
- ii) Tamping of concrete etc.

E) Details of construction procedure learned

- i) Mixing of concrete
- ii) Pouring of concrete in formwork
- iii) Tamping to avoid air voids
- iv) Levelling surface by float

F) Details of construction equipment used at site

- i) Crane
- ii) bucket
- iii) float
- iv) Tamping rod etc.

G) Details of activities learned today

- i) Casting and construction of beam
- ii) Mixing of Concrete

Day : 15	Date : 08/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i) Flooring
- ii) Cutting of tiles

B) Details of planning and execution of allotted work

- i) Deciding No. of tiles
- ii) Preparation of Flooring

C) Details of construction materials on site

- i) Cement
- ii) Sand
- iii) Tiles etc.

D) Details of construction activities/ drawings to be studied

- i) Cutting of tiles
- ii) Fixing of tiles

E) Details of construction procedure learned

- i) Levelling
- ii) Floor curing
- III) Mixing of sand cement
- iv) Pouring on surface as per level
- v) Tiling from corner of gate
- vi) Cutting if required
- vii) Tamping and levelling

F) Details of construction equipment used at site

- i) Hammer
- ii) Float
- iii) Hoe
- iv) Trowel etc.

G) Details of activities learned today

- i) Levelling for Flooring
- ii) Cutting of tiles

Day : 16	Date : 09/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Proper procedure of column layout as per drawing.
- ii. Column reinforcement as per design.

B) Details of planning and execution of allotted work

- i. Deshuttering of slab
- ii. Layout and reinforcement of columns
- iii. Brickwork.
- iv. Plastering.

C) Details of construction materials on site

- i. Steel bars of 6mm, 8mm, 10mm, 12 mm, 16 mm, 20mm, 25mm diameter.
- ii. Ultra tech Pozzolana Cement, Ordinary Portland Cement.
- iii. Sand, Aggregate.
- iv. Cement Pipes

D) Details of construction activities/ drawings to be studied

- i. Shuttering and Casting of columns.
- ii. Deshuttering of columns and slab.

E) Details of construction procedure learned

- i. Column layout work
- ii. Column reinforcement work

F) Details of construction equipment used at site

- i. Crane
- ii. Concrete mixture
- iii. Compaction machine

G) Details of activities learned today

- i. Procedure of column layout and centering by plumb bob
- ii. Column reinforcement as per the drawing with spacing and size.

Day : 18	Date : 11/10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Proper procedure of column casting with designed concrete proportion and pouring.
- ii. Column shuttering with cover by using shikanja , steel panels and other tools

B) Details of planning and execution of allotted work

- i. Shuttering or formwork of columns
- ii. Layout and reinforcement of columns
- iii. Casting of columns

C) Details of construction materials on site

- i. Steel bars of 6mm, 8mm, 10mm, 12 mm, 16 mm, 20mm, 25mm diameter.
- ii. Ultra tech Pozzolana Cement, Ordinary Portland Cement.
- iii. Sand, Aggregate.
- iv. Cement Pipes
- v. Shuttering tools.

D) Details of construction activities/ drawings to be studied

- i. Casting of columns with proper proportion.
- ii. Test conducted of RMC concrete on field lab.

E) Details of construction procedure learned

- i. Column shuttering or formwork
- ii. Column casting or concrete pouring .

F) Details of construction equipment used at site

- i. Crane
- ii. Concrete mixture
- iii. Compaction machine
- iv. Needle compactor

G) Details of activities learned today

- i. Procedure of shuttering with plumb bob levelling and giving proper cover
- ii. Column casting with designed proportion.
- iii. Various test conducted on concrete on field lab.

FIELD TRAINING REPORT OF BILARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,

Day : 19	Date : 12/10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Deshuttering of columns and curing.
- ii. Brick work and plastering work.

B) Details of planning and execution of allotted work

- i. Deshuttering of columns and curing.
- ii. Casting of columns
- iii. Brick work of walls and plastering.

C) Details of construction materials on site

- i. Steel bars of 6mm, 8mm, 10mm, 12 mm, 16 mm, 20mm, 25mm diameter.
- ii. Ultra tech Pozzolana Cement, Ordinary Portland Cement.
- iii. Sand, Aggregate.
- iv. Cement Pipes
- v. Shuttering tools.
- vi. Waterproofing material

D) Details of construction activities/ drawings to be studied

- i. Casting of columns with proper proportion.
- ii. Column deshuttering and curing.
- iii. Brick work and plastering work with mortar .

E) Details of construction procedure learned

- i. Column curing with sprinkle method
- ii. Column casting or concrete pouring .
- iii. Using proper bond for wall construction and plastering

F) Details of construction equipment used at site

- i. Crane
- ii. Concrete mixture
- iii. Compaction machine
- iv. Needle compactor

G) Details of activities learned today

- i. Plastering with proper designed proportion mortar.
- ii. Curing to column and plaster.
- iii. Field test on brick to check quality of work.

Day : 20	Date : 13/10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Reinforcement of slab and shuttering .

B) Details of planning and execution of allotted work

- i. Shuttering to slab and beam with giving proper cover
- ii. Reinforcement as per design

C) Details of construction materials on site

- i. Steel bars of 6mm, 8mm, 10mm, 12 mm, 16 mm, 20mm, 25mm diameter.
- ii. Ultra tech Pozzolana Cement, Ordinary Portland Cement.
- iii. Sand, Aggregate.
- iv. Cement Pipes
- v. Shuttering tools.
- vi. Waterproofing material

D) Details of construction activities/ drawings to be studied

- i. Reinforcement of slab and beam as per design with giving proper joint between junctions of beam and slab
- ii. Shuttering to slab and beam for giving support by adjustable props.

E) Details of construction procedure learned

- i. Overall procedure of reinforcement and shuttering of slab and beam.

F) Details of construction equipment used at site

- i. Crane
- ii. Concrete mixture
- iii. Compaction machine
- iv. Needle compactor

G) Details of activities learned today

- i. Reinforcement and shuttering work of slab and column
- ii. One way slab and two way slab reinforcement

Day : 21	Date : 14/10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Reinforcement of slab and shuttering .
- ii. Seepage and cracks checking

B) Details of planning and execution of allotted work

- i. Reinforcement as per design
- ii. Water ponding test on slab.

C) Details of construction materials on site

- i. Steel bars of 6mm, 8mm, 10mm, 12 mm, 16 mm, 20mm, 25mm diameter.
- ii. Ultra tech Pozzolana Cement, Ordinary Portland Cement.
- iii. Sand, Aggregate.
- iv. Cement Pipes
- v. Shuttering tools.
- vi. Waterproofing material

D) Details of construction activities/ drawings to be studied

- i. Reinforcement of slab and beam as per design.
- ii. Water ponding test are conducted on slab to check cracks and seepage.

E) Details of construction procedure learned

- i. Steps of Water ponding test conducting and identify the seepage and cracks.

F) Details of construction equipment used at site

- i. Crane
- ii. Concrete mixture
- iii. Compaction machine
- iv. Needle compactor

G) Details of activities learned today

- i. Reinforcement and shuttering work of slab and column
- ii. Overall procedure of water ponding and remedial measures to seepage and cracks.

Day : 23	Date : 16/10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. To Study Of Proper procedure of Casting Of Slab.
- ii. Analysis Casting Of Slab as Per Design.

B) Details of planning and execution of allotted work

- i. To Check Proper Reinforcement.
- ii. Proper Diameter Of Steel Bars.
- iii. Proper Spacing Of Cover Blocks

C) Details of construction materials on site

- i. Steel Bars Of 6mm,8mm ,10mm,12mm, 16mm, 20mm,25mm, 32mm diameter.
- ii. Ultratech Pozzolona Cement ,Ordinary Portland Cement
- iii. Sand
- iv. Aggregate

D) Details of construction activities/ drawings to be studied

- i. Construction Of Slab
- ii. Casting Of Slab

E) Details of construction procedure learned

- i. Work Of Reinforcement Of Slab.
- ii. Slab Casting Work.

F) Details of construction equipment used at site

- i. Cranes
- ii. Concrete Mixture
- iii. Compaction Machine
- iv. Vibrater

G) Details of activities learned today

- i. Procedure Of Casting Of Slab
- ii. Methods Of Slab
- iii. Slab Reinforcement as Per Drawing and Design.

Day : 25	Date : 18/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Casting Of Slab.

B) Details of planning and execution of allotted work

- i. Taking Material For Casting Of Slab.
- ii. Casting Of Slab as Per Design.

C) Details of construction materials on site

- i. Concrete
- ii. Steel
- iii. Cement , Sand , Aggregate

D) Details of construction activities/ drawings to be studied

- i. Shuttering Of Slab
- ii. Construction Of Slab as Per Design.

E) Details of construction procedure learned

- i. Slab Laying as per Level
- ii. Shuttering
- iii. Concrete Work.
- iv. Deshuttering
- v. Curing

F) Details of construction equipment used at site

- i. Cranes
- ii. Vibrater

G) Details of activities learned today

- i. Casting Of Slab Having Grade Of Concrete.

Day : 27	Date : 20/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Curing Of Column
- ii. Curing Of Beam

B) Details of planning and execution of allotted work

- i. Methods of Curing
- ii. Setup of proper curing

C) Details of construction materials on site

- i. Gunny bags for Curing of Column
- ii. Water pipes

D) Details of construction activities/ drawings to be studied

- i. Proper Curing of Column and beam

E) Details of construction equipment used at site

- i. Water pipes ,Gunny bags

F) Details of activities learned today

- i. How to do curing of Column and Beam.

Day : 28	Date : 21/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Curing Of Column and Beam By Gunny bags

B) Details of planning and execution of allotted work

- i. Curing of Column and Beam
- ii. **C) Details of construction materials on site**
 - i. Gunny bags
 - ii. Water pipes

D) Details of construction activities/ drawings to be studied

- i. As per procedure Curing is done

E) Details of construction equipment used at site

- i. Gunny bags and Water Pipes

F) Details of activities learned today

- i. Curing is done on Gunny bags method

Day : 29	Date : 22/ 10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Casting of Slab
- ii. Bar bending

B) Details of planning and execution of allotted work

- i. Shuttering
- ii. Bar bend up
- iii. Binding

C) Details of construction materials on site

- i. Cement
- ii. Sand
- iii. Aggregate

D) Details of construction activities/ drawings to be studied

- i. Casting of Slab as per design

E) Details of construction equipment used at site

- i. Cranes
- ii. Vibrater

F) Details of activities learned today

- i. Casting of slab as per design
- ii. Casting of Slab in a proper Layer

Day : 30	Date : 23/10/2021
Daily Reporting Time: 9:30 Am	
Daily Leaving Time : 2:30 Pm	

A) Details of work allotted today by the site in-charge

- i. Dershuttering of Column and Beam

B) Details of planning and execution of allotted work

- i. Dershuttering of Column
- ii. Dershuttering of beam

C) Details of construction materials on site

- i. Spanners

D) Details of construction activities/ drawings to be studied

- i. How to Dershuttering of Column and Beam

E) Details of activities learned today

- i. Dershuttering of Column and Beam
- ii. Curing of Column and Beam

3. CONCLUSION

As an undergraduate of the Shivaji University, Kolhapur University, I would like to say that this training program is an excellent opportunity for us to get to the ground level and experience the things that we would have never gained through going straight into a job.

The main objective of the field training is to provide an opportunity to undergraduates to identify, observe and practice how engineering is applicable in the real industry. It is not only to get experience on technical practices but also to observe management practices and to interact with on field workers. It is easy to work with sophisticated machines, but not with people. The only chance that an undergraduate has to have this experience is the industrial training period. I feel I got the maximum out of that experience. Also I learnt the way of work in an organization, the importance of being punctual, the importance of maximum commitment, and the importance of team spirit. The training program having three destinations was a lot more useful than staying at one place throughout the whole six months. In my opinion, I have gained lots of knowledge and experience needed to be successful in a great engineering challenge, as in my opinion, Engineering is after all a Challenge, and not a Job.

4. CERTIFICATE



AJAYSINH V DESAI
BUILDERS & DEVELOPERS

Date – 12-11-2021.

“TO WHOMSOEVER IT MAY CONCERN”

This to certify that **Ms. Pradnya Bharat Kamble**, pursuing her B.Tech. in Civil Engineering from **BHARTI VIDHYAPEETH'S College of Engineering, Kolhapur** has successfully completed Sumer Internship under **Credai, Kolhapur** Member **Ajaysinh V. Desai Builders and Developers** Construction site at :
“Elixa Park”

Commercial & Residential Project

517 A / 1/ A Plot, 'A' 'E' Ward,

Nr Star Bazar & MAI Hyundai,

Old Pune Bangalore Road, Opp. Sayaji Hotel,

Kolhapur – 416 005.

Duration: 24-09-2021 To 23-10-2021

She worked as a part of a Team during her tenure. She has observed different Construction activities such as R.C.C. work, Brick work, Plastering and so on.

We found she is sincere, hardworking, technically sound result oriented & her work was found satisfactory & up to the mark. We take this Opportunity to wish her all the best for her future.

Regards.

For **Ajaysinh V. Desai Builders & Developers.**


(Ajaysinh V. Desai + 9198221 33444)



C.S.No. 517A/1, Old P. B. Road, Shivaji Park, Kolhapur. Off. 0231-2535155, 2521344. Email: elixapark@gmail.com, ajaysinh_desai@yahoo.in

FIELD TRAINING REPORT OF BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,

6.Site photos



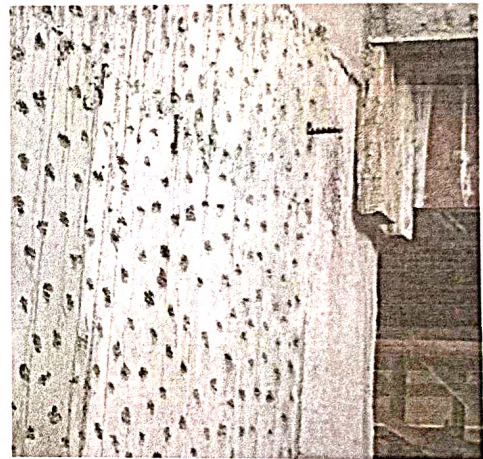
APPLICATION OF WATER PROOFING LIQUID



STEEL PANELS FOR SHUTTERING



SHUTTERING TO SLAB WITH ADJUSTABLE PROP SUPPORTS



HATCHING TO COLUMN

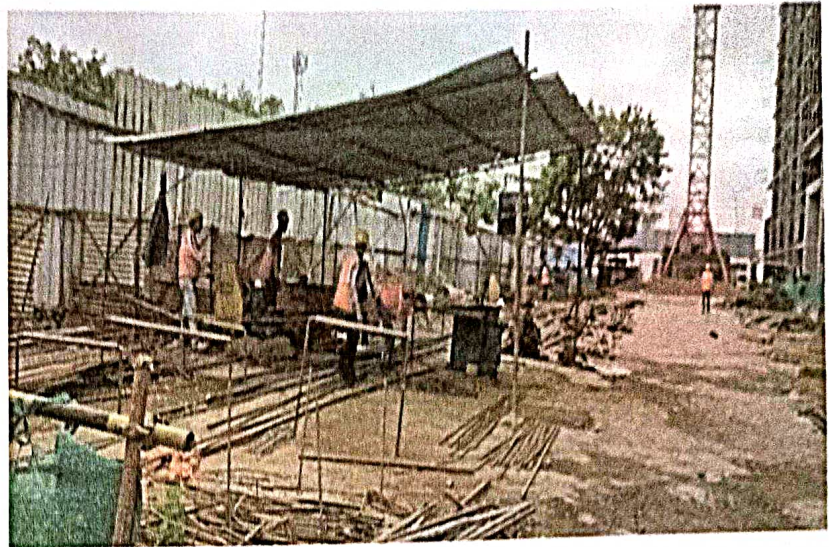


ADJUSTABLE PROPS

FIELD TRAINING REPORT OF BIHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,



ELIXA PARK BUILDING



STEEL CUTTING AND BENDING ON FIELD



RMC CONCRETE TRANSIT MIXER



COLUMN SHUTTERING



APPLICATION OF WATER PROOFING LIQUID



SEEPAGE AND CRACKS IN SLAB



CRANE



WATER PROOFING MATERIAL MIXING



STORED CEMENT BAGS

FIELD TRAINING REPORT OF BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,



Bharati Vidyapeeth's College of Engineering, Kolhapur

Department of Civil Engineering

Final Year (B.Tech.) CBCS

Field Training Log Sheet

Student's Name	Pradnya Bharat Kamble				
Project/ Site	Elexa Park, Kolhapur				
Working Day No.	Date	To be filled by Site in-charge only			
		Reporting Time	Leaving Time	Sign	Remark about work done today (Good/ Average/ Poor)
1	24/09/2021	9:30 AM	2:30 PM		Good
2	25/09/2021	9:30 AM	2:30 PM		Good
3	27/09/2021	9:30 AM	2:30 PM		Good
4	28/09/2021	9:30 AM	2:30 PM		Good
5	29/09/2021	9:30 AM	2:30 PM		Good
6	30/09/2021	9:30 AM	2:30 PM		Good
7	01/10/2021	9:30 AM	2:30 PM		Good
8	02/10/2021	9:30 AM	2:30 PM		Good
9	04/10/2021	9:30 AM	2:30 PM		Good
10	05/10/2021	9:30 AM	2:30 PM		Good

		sign	leaving time	
11	06 10 21	9:30 AM	2:30 PM	Good
12	07 10 21	9:30 AM	2:30 PM	Good
13	08 10 21	9:30 AM	2:30 PM	Good
14	09 10 21	9:30 AM	2:30 PM	Good
15	11 10 21	9:30 AM	2:30 PM	Good
16	12 10 21	9:30 AM	2:30 PM	Good
17	13 10 21	9:30 AM	2:30 PM	Good
18	14 10 21	9:30 AM	2:30 PM	Good
19	16 10 21	9:30 AM	2:30 PM	Good
20	18 10 21	9:30 AM	2:30 PM	Good
21	20 10 21	9:30 AM	2:30 PM	Good
22	21 10 21	9:30 AM	2:30 PM	Good
23	22 10 21	9:30 AM	2:30 PM	Good
24	23 10 21	9:30 AM	2:30 PM	Good
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