

**INTERNSHIP REPORT
ON**

“CONSTRUCTION PLANNING AND MANAGEMENT”

Submitted to-

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE GWALIOR
(A govt. Aided Autonomous Institute under RGPV, Bhopal (M.P) Established in 1957)

IN PARTIAL FULFILLMENT FOR REQUIREMENT FOR THE AWARD OF THE DEGREE
OF

**BACHELOR of TECHNOLOGY
In
CIVIL ENGINEERING**



2018-2022

Submitted By-

ANKUR TRIPATHI- (0901CE181018)

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GAUTAM BHADOURIA
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INDUSTRY MENTOR-

Er ASHISH SINGH
Chief Engineer
SHREE DEVELOPERS, JHANSI



Madhav Institute of Technology & Science, Gwalior
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to R.G.P.V. Bhopal)

CERTIFICATE

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760711

॥ श्री ॥

SHREE DEVELOPER

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Ref. No. Date 20/05/22

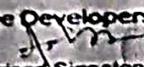
To whom it may concern

This is to certify that Ankur Tripathi has done his internship in Project Engineer at Shree Developers, Jhansi from 15-01-2022 to 15-05-2022.

He has worked on a project assigned to him and The project was aimed at Construction of Residential Complex as part of the project, he has completed all the work assigned.

During his internship he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the work on time.

We wish him all the best for his upcoming career.

For Shree Developers

Authorized Signatory
Ashish Singh
Project Manager

श्री

RECOMMENDATION

It is here by recommended that the internship report entitled—construction planning and mangement which is being submitted by Ankur Tripathi completed under the guidance of Gautam Bhadouria may be accepted in the partial fulfillment of the award of the degree of Bachelor of Engineering in CivilEngineering.

Guided by 
Prof. GAUTAM BHADOURIA
Assistant Professor
Department Civil ENGINEING
MITS,Gwalior


Prof. and Head
Civil Engg. Dept.
Jrc

ACKNOWLEDGEMENT

When it comes to properly acknowledging someone's support and assistance, it may be a challenging undertaking, chiefly when the support offered is so fullhearted and unshevering.

I am extremely grateful to my guide, **GAUTAM BHADOURIA**, Assistant Professor of Civil Engineering Department, MITS Gwalior.

Also, I would like to thank **Dr. M.K. Trivedi**, Head of Civil Engineering Department, MITS Gwalior, and all other academics and staff members of MITS Gwalior's Civil Engineering Department for their unwavering support throughout the project.

I am really grateful to **Dr. R. K. Pandit**, Director of MITS Gwalior, for establishing an outstanding institutional environment and for giving all facilities and assistance in the preparation of my dissertation. I also acknowledge with gratitude to our supporting **Mr. VIKRAM** for providing the facilities needed for the accomplishment of this project.

I take great pleasure for **SHREE DEVELOPERS, Jhansi** for providing the opportunities.

The environment of company has been valuable experience for me. It has provided an opportunity to learn at our own pace in discipline of interest. I would like to thank all those who helped me during different stages of completion of this project.

ANKUR TRIPATHI

(0901CE181018)

DEPARTMENT OF CIVIL ENGINEERING

MITS GWALIOR (M.P.)

ABSTRACT

Construction, is the most important aspect of modern world. It is the base of urbanization. Construction includes building up of roads, dams, bridges, high rise buildings, etc. Anything which relates to infrastructure leads to it's construction hence construction plays an impeccable role in human development.

As construction plays an important role so does it's planning. Planning involves recognizing most efficient way to complete a task. Construction planning involves planning of leveling, surveying, blueprints, budgeting, maintenance of construction site, etc. of project.

As we know, culture changes from place to place so does the work culture. Work culture at construction site involves testing of material, construction practices, availability of raw materials, man power. Hence, construction, planning and management plays vital role in proper functioning of construction.

निर्माण, आधुनिक दुनिया का सबसे महत्वपूर्ण पहलू है। यह शहरीकरण का आधार है। निर्माण में सड़कों, बांधों, पुलों, ऊंची इमारतों आदि का निर्माण शामिल है। जो कुछ भी बुनियादी ढांचे से संबंधित है, उसका निर्माण होता है इसलिए निर्माण मानव विकास में एक त्रुटिहीन भूमिका निभाता है।

चूंकि निर्माण एक महत्वपूर्ण भूमिका निभाता है, इसलिए यह योजना बना रहा है। योजना में किसी कार्य को पूरा करने के सबसे कुशल तरीके को पहचानना शामिल है। निर्माण योजना में परियोजना के समतलन, सर्वेक्षण, खाका, बजट, निर्माण स्थल के रखरखाव आदि की योजना शामिल है।

जैसा कि हम जानते हैं, संस्कृति एक जगह से दूसरी जगह बदलती है, वैसे ही कार्य संस्कृति भी बदलती है।

निर्माण स्थल पर कार्य संस्कृति में सामग्री, निर्माण प्रथाओं, कच्चे माल की उपलब्धता, मानव शक्ति का परीक्षण शामिल है। इसलिए, निर्माण, योजना और प्रबंधन निर्माण के समुचित कार्य में महत्वपूर्ण भूमिका निभाते हैं।

LIST OF ABBREVIATIONS

RCC.....	Reinforced Cement Concrete
BIS.....	Bureau of Indian Standard
CBR.....	California Bearing Test
CCME.....	Canadian Council of Ministers of the Environment
OWQI.....	Oregon Water Quality Index
WAWQI.....	Weighted Arithmetic Water Quality Index
APHA.....	American public Health Association
CPCB.....	Central Pollution Control Board
ICMR.....	Indian Council of Medical Research
MPN.....	Most Probable Number

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CHAPTER I

INTRODUCTION

1.1 General

Shri Construction in Jhansi is renowned to provide for the demands of its consumer base. It is placed at 2244/3baram Pure-284001. The enterprise strives to make for a effective experience thru its services.

MOTO-

Customer centricity is at the center of Shri Construction in Jhansi and it's miles this belief that has led the business to build long-time period relationships. Ensuring a advantageous customer revel in, making to be had goods and/or services which are of pinnacle-notch quality is given prime significance.

MISSION-

India's main B2B market vicinity, Jd Mart ensures undertaking enterprise sports is a seamless process for small and medium companies as well as big groups. In a wake to allow those groups to attain their audience, this portal permits them to show off their offerings in phrases of the goods and/or offerings via a digital catalogue. This commercial enterprise has a extensive range of product services and the product/catalogue list includes Bridge Construction Contractor, Bridge Construction Project, Bridge Construction Services, Bridge Construction Survey Services, Bridge Construction Work and so on. Kindly scroll up for the copewithand make contact with details of Shri Construction in Jhansi



CHAPTER II

OBJECTIVE

Living at Central Park Apartment, you'll always be in good company, as the most beautiful places of Jhansi, such as Elite, Axis Vikas, Railway Station, Nandanpura, and Nagra, are only a few kilometres away. One of its best advantages is its seamless connectivity to both the Shivpura Highway Road and Tabewell Road. In terms of connectedness, the Central Park Apartment is a true landmark.



CHAPTER III

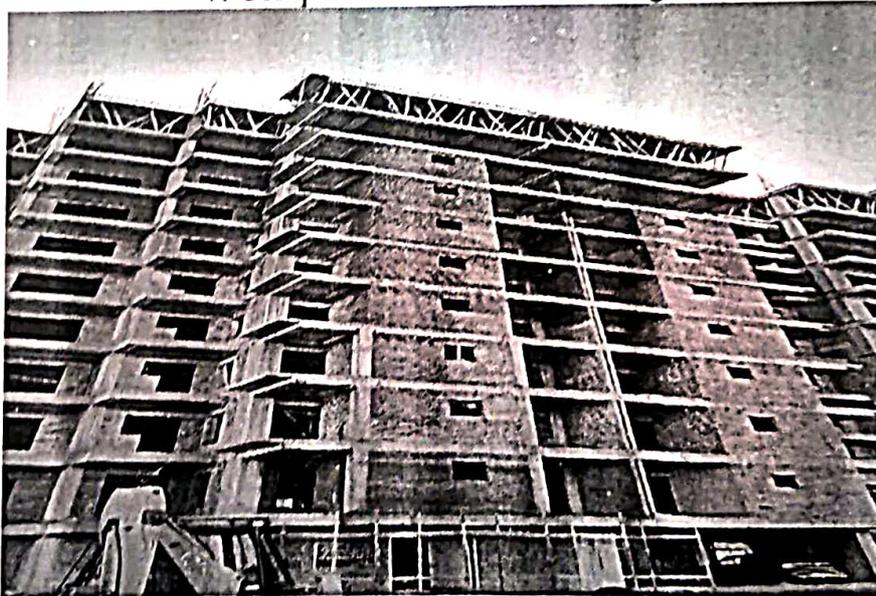
SITE PREPARATION AND LEVELLING

The first step of any construction project is site preparation i.e. Clean the place from undesirable grass, boulder, etc. It entails in case of any hill clearance of extra earth, if there is a pit filling up of it. Site guidance involves various steps like destruction of old existing construction, of building sites, underground service, and wire mapping, site surveying, and layout and anti-termite treatment earlier than beginning construction work. Sometimes, construction site preparation requires blasting, test drilling, landfill, leveling, earth-transferring, excavating, land drainage, and other land instruction

types of site preparation

Following are the kinds of site preparation for advent,

1. Soil check and evaluation of record
2. Destruction of vintage structure
3. Underground service and cord Mapping
4. Surveying and layout
- five. site Clearance
6. site Excavation and Earthwork
7. Compaction of construction challenge



CHAPTER IV EXCAVATION

work device for excavation at creation website on-line entails side recording ground level and marking of reference factors need to be accomplished

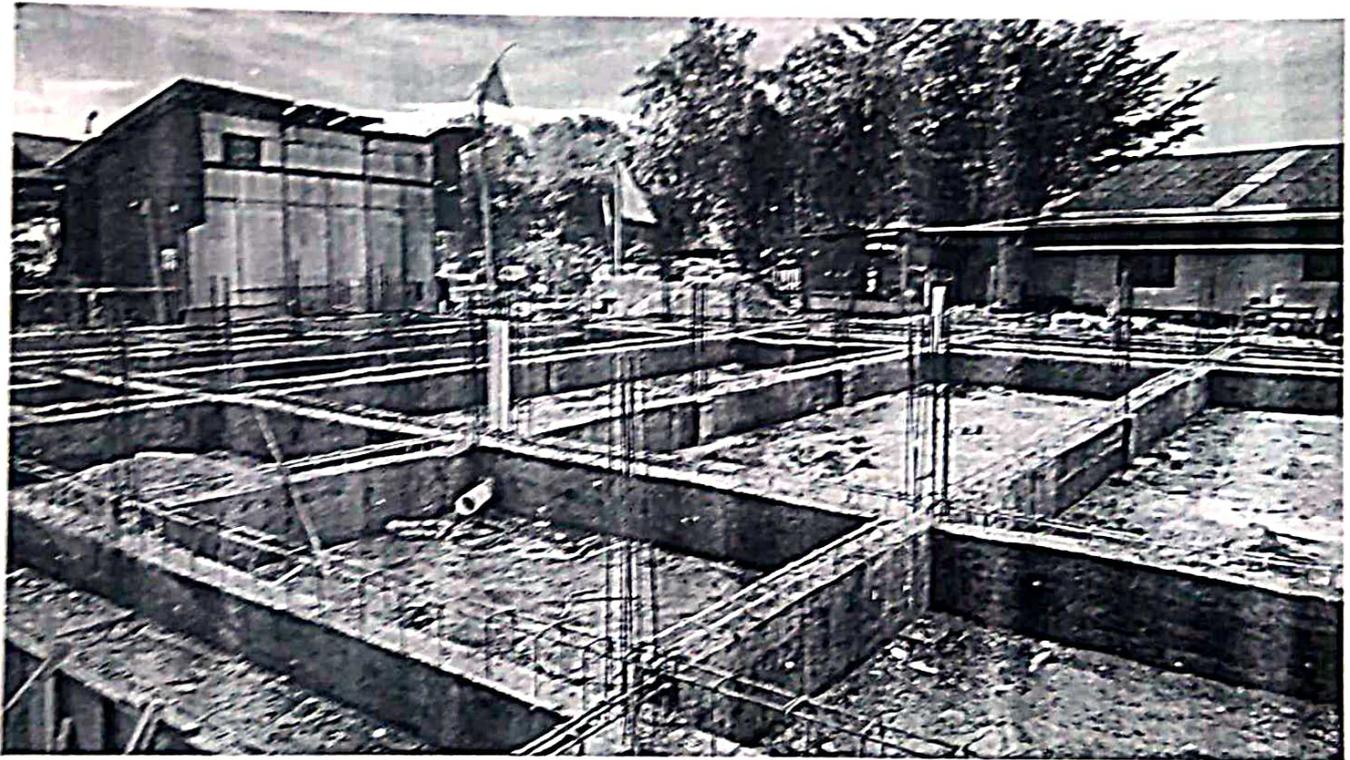
The fundamental works accomplished earlier than, at the same time as and after excavation are as follows,

1. setting of corner benchmarks.
2. Surveying of floor levels.
3. Survey for pinnacle stages
- four. Excavation of extended depth.
- five. Dressing of unfastened soil.
6. Making up to lessen off degree
7. Making of de-watering wells and interconnection of trenches.
9. constructing protection bunds and drains of centre line and excavation drawings, setting out of plan on ground, excavation of soil and removal of extra soil. pleasant tests along



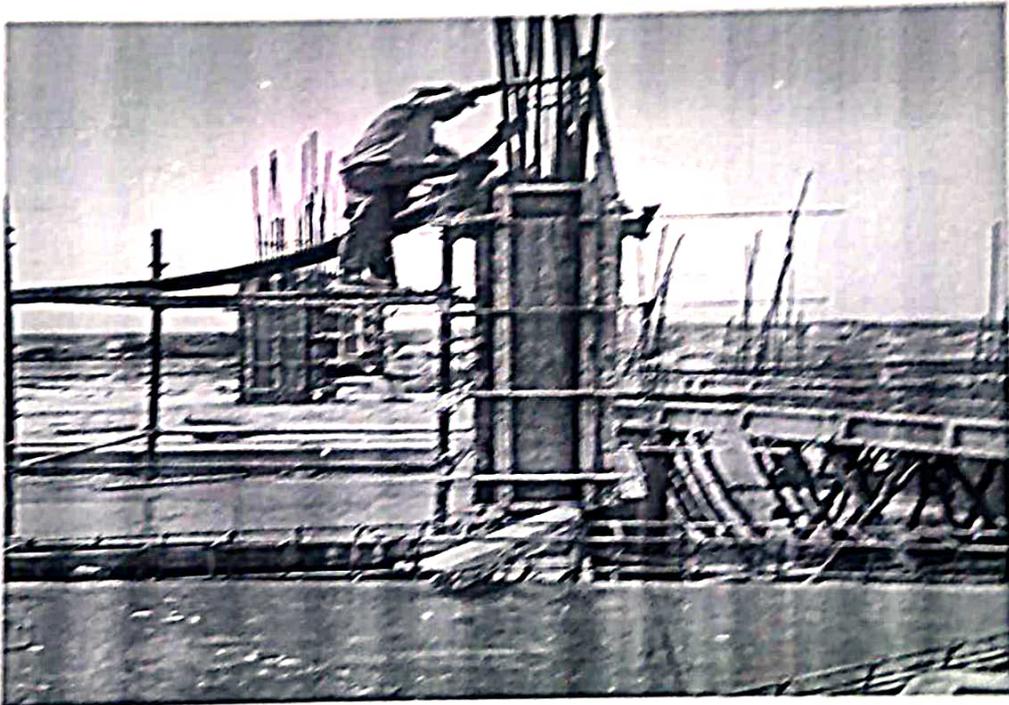
CHAPTER V PLINTH BEAM AND SLAB

The Plinth beam is the strengthened concreted beam built among the walls and its foundation. The Plinth beam is supplied to save you the extension or propagation of cracks from the foundation into the wall above while the foundation suffering from settlements. The Plinth beams distribute the weight of the wall over the mass evenly.



CHAPTER VI SUPERSTRUCTURE-COLUMN

The superstructure is the part of a building that is built above the floor stage and it serves the cause of structure's intended use. It consists of columns, beams, slab upwards collectively with all finishes, door and window schedules, flooring, roofing, lintels, and parapets.



The components of the superstructure are a great deal lengthier than the elements of the substructure. This shouldn't be sudden because the superstructure is plenty large than the substructure.

CHAPTER VI

BRICK AND MASONRY

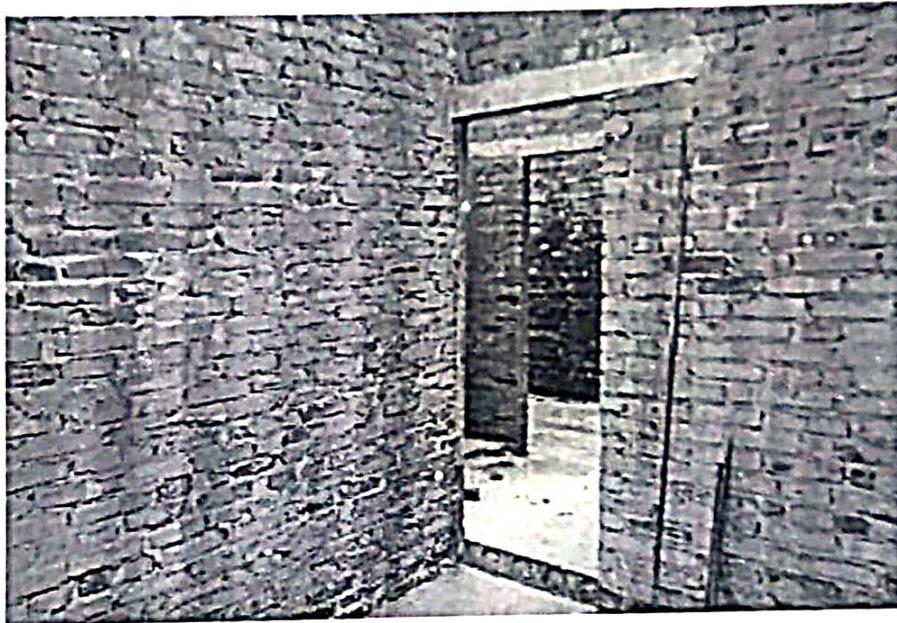
It is a completely pretty long lasting form of production. It is constructed by means of putting a brick in mortar in this kind of systematic manner to assemble a strong shape, that withstands applied burdens. There are many one of a kind types of bricks and mortars, which can be used in brick masonry



CHAPTER VII

THE LINTEL OVER DOOR WINDOW GAPS

It is a totally quite long lasting form of manufacturing. It is built via putting a brick in mortar in this sort of systematic way to bring together a strong form, that withstands applied burdens. There are many one in all a type styles of bricks and mortars, which may be used in brick masonry artwork..

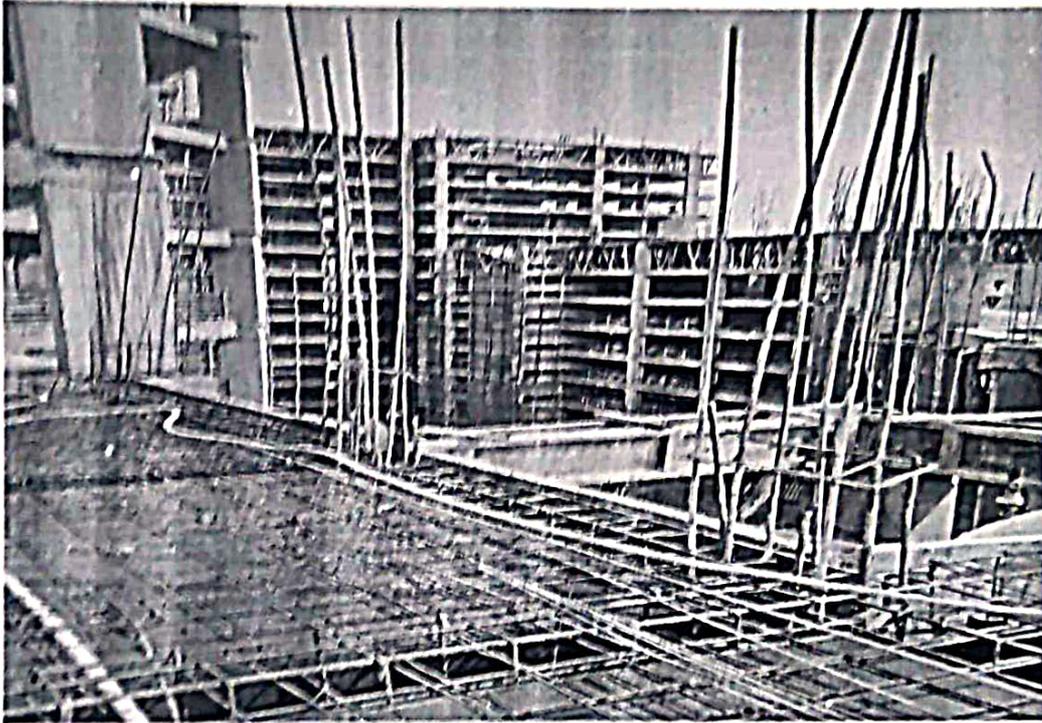


1. Timber lintel
2. Stone lintel
3. Reinforced concrete lintel
4. Brick lintel
5. Reinforced brick lintel
6. Steel lintel

CHAPTER VIII

ROOFING

Over the centuries, roof-constructing strategies have been delicate to yield roofs of enormous strength and sturdiness. A extensive variety of substances has been developed a good way to closing a few years—in a few instances, so long as the residence. And owners have a full-size choice of substances, colors, charges, and other features from which to pick.



CONCLUSION

**Project Name:- Construction planning and
management**

Project manager:- Ashish Singh

Start date :- 15 jan 2022

End Date ;- 15 may 2022

I finally learned about perpration of site leveling of
it , building up of coloumns ,slabs, plinth, Brick
masonry and Roof construction

Civil Engineering Department

Plagiarism Check Certificate

This is to certify that I am student of B.Tech in Civil Engineering have checked my complete Internship entitled "construction planning and management" for similarity/plagiarism using the "Turnitin software" available in the institute.

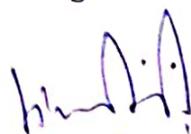
This is to certify that,

- The similarity in my internship is found to be 17% (which is within the specified limit of 20%)

The full plagiarism report along with the summary is enclosed.

Student name: Ankur Tripathi
Roll No.: 0901CE181018


Mentor name: Gautam Bhadouria
Designation: Assistant Professor
Civil Engineering Department


for Professor & Head of
Civil Engg. Deptt.


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Ankur internship report 01 (1).docx

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FORMAT
FORTNIGHTLY PROGRESS REPORT (FILL FROM INDUSTRY MENTOR)

Name of student	<i>Ashish Suthalia</i>		Department	<i>Civil</i>	
Industry/Organization	<i>SHREE DEVELOPERS, BHANDRA</i>		Date/Duration	<i>15/1/22 - 31/1/22</i>	
Criteria	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work		✓			✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p><i>1. Column Overlapping</i> <i>2. Steel work</i></p>				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	<i>ASHISH SUTHALIA</i>				
Signature of Industry Mentor	<i>[Signature]</i> or - <i>Shree Developers</i> Authorized Signatory				

Receiving Date	<i>1/2/22</i>	Name of Faculty Mentor	<i>Prof. Santosh Bhadgaikar</i>	Sign	✓
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FORMAT
FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Anshul Jaiswal		Department	CIVIL	
Industry/Organization	SHREE DEVELOPERS		Date/Duration	1/2/22 - 14/2/22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work				✓	

Comment on nature of work done/Area/Topic

1. Pipe Scheduling
2. Scheduling Concept

OVERALL GRADE (Any one)

POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT

Name of Industry Mentor

ASHISH SINGH
 or Shree Developers

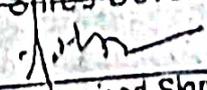
Signature of Industry Mentor

[Signature]
 Authorised Signatory

Receiving Date	10/2/22	Name of Faculty Mentor	Prof. Gautam	Sign	✓
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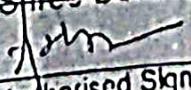
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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	<i>Ankur Jaisalli</i>		Department	CIVIL	
Industry/Organization	SHREE DEVELOPERS,JIANSI		Date/Duration	15/2/22 - 23/2/22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p>1. Agg. Mixing</p> <p>2. Machinery check</p>				
<u>OVERALL GRADE (Any one)</u>	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
<u>Name of Industry Mentor</u>	ASHISH SINGH				
<u>Signature of Industry Mentor</u>	<p>of Shree Developers</p> 				
	Authorized Signatory				

Receiving Date	2/3/22	Name of Faculty Mentor	Prof. Jyoti Chakraborty	Sign	
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FORMAT
FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	<i>Ankur Tulpalle</i>		Department	CIVIL	
Industry/Organization	SHREE DEVELOPERS JIANSI		Date/Duration	1/3/22 - 14/3/22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p>1. Scheduling work 2. Estimation work</p>				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	ASHISH SINGH				
Signature of Industry Mentor	of Shree Developers  Authorised Signatory				

Receiving Date	17/3/22	Name of Faculty Mentor	Prof. Prakash Alakurikar	Sign	
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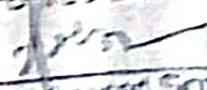
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FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ankur Teubalhi		Department	CIVIL	
Industry/Organization	SHREE DEVELOPERS, JHANSI		Date/Duration	15/3/22 - 31/3/22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				✓	
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p>1. Drawing learning</p> <p>2. Brick work :</p>				
<u>OVERALL GRADE (Any one)</u>	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
<u>Name of Industry Mentor</u>	ASHISH SINGH or Shree Developers				
<u>Signature of Industry Mentor</u>	 Authorised Signatory				

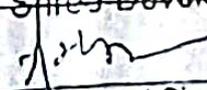
Receiving Date	4/4/22	Name of Faculty Mentor	Dr. Anam Bhalodia	Sign	
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FORMAT
INDUSTRIALLY PROSPECTIVE LEARNING EXPERIENCE FORM

Name of student	Akash T. Patil				
Industry/Organization	SUNIL CORPORATION		Department	CIT	
Cell/Inst.	Pass	Average	Good	Very Good	Excellent
Functionality/Timely completion of assigned work					
Learning capacity/Knowledge of training					
Performance/Quality of work					
Behaviour/ Discipline/ Team work					
Success/Speed of work					
Comments on nature of work done/Area/Topic	1. Consent of FCC to RLL 2. Stainless Casting				
OVERALL GRADE (Any one)	PROGRAM AVERAGE GOOD & EXCELLENT				
Name of Industry Mentor	ASHISH SINGH Sr. Sales Developer				
Signature of Industry Mentor	 Authorized Signatory				

Receiving Date	19/4/22	Name of Faculty Mentor	Prof. Gaurav Chhabra	Sign	
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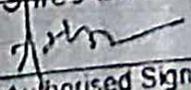
FORMAT
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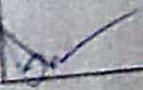
Name of student	Ankur Jaisolki		Department	CIVIL	
Industry/Organization	SHREE DEVELOPERS,JIANSI		Date/Duration	15/4/22-30/4/22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behaviour/Discipline/Team work				✓	
Sincerity/Hard work				✓	
Comment on nature of work done/Area/Topic	1. Slab Casting				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	ASHISH SINGH or Shree Developers				
Signature of Industry Mentor					
	Authorised Signatory				

Receiving Date	3/5/22	Name of Faculty Mentor	Prof. Gdutam Bhasoria	Sign	
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FORMAT

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ankur Jainolki		Department	CIVIL	
Industry/Organization	SIREE DEVELOPERS, JHANSI		Date/Duration	3/5/22 - 15/5/22	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation				✓	
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p>1. Slab Casting</p> <p>2. Under Standing rebar ties</p>				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	ASHISH SINGH				
Signature of Industry Mentor	of Shree Developers				
	 Authorised Signatory				

Receiving Date	20/5/22	Name of Faculty Mentor	Dr. Jyoti Bhatnagar	Sign	
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