

Report on Expert Lecture

“Pre-requisite for Field Internship and DPR Preparation for Infrastructure Projects”

1. Introduction

An expert lecture on “Pre-requisite for Field Internship and DPR Preparation for Infrastructure Projects” was organized for the students of Civil Engineering to provide practical insights into field training and project documentation. The lecture was delivered by Er. Pradeep Agarwal, who has extensive experience in planning, execution, and management of large-scale infrastructure projects. This lecture was held on 31.08.2024.

The session aimed to familiarize students with the requirements, responsibilities, and professional skills required during field internships, and to introduce them to the preparation of Detailed Project Reports (DPRs) used in infrastructure development.

2. Resource Person

Er. Pradeep Agarwal currently serves as the Additional Director General of North East Infrastructure Works of Army and Airforce, Guwahati. He has extensive professional experience in infrastructure development, including construction management, project planning, quality control, and infrastructure execution for defense establishments.

3. Objectives of the Lecture

The major objectives of the lecture were:

- To explain the importance of field internships in civil engineering education.
- To familiarize students with professional conduct and responsibilities during internships.
- To provide knowledge about preparation of Detailed Project Reports (DPRs) for infrastructure projects.
- To expose students to real-life challenges in infrastructure planning and construction.
- To develop understanding of project feasibility, technical analysis, and cost estimation.

4. Key Points Discussed

4.1 Importance of Field Internship

The expert emphasized that field internships are essential for bridging the gap between theoretical knowledge and practical application. Students were encouraged to actively participate in site activities and learn about construction procedures.

Important aspects highlighted include:

- Understanding construction drawings and project documentation.
- Learning site safety practices and quality control measures.
- Observing construction equipment and materials used in infrastructure projects.
- Developing communication and teamwork skills with engineers and contractors.

4.2 Professional Skills Required During Internship

The speaker discussed the professional skills required for a successful internship, such as:

- Discipline and punctuality at the construction site
- Maintaining daily site records and reports
- Learning about project scheduling and planning
- Understanding material testing and quality assurance

Students were advised to focus on observational learning and technical documentation during their internship period.

4.3 Preparation of Detailed Project Report (DPR)

A significant part of the lecture focused on the preparation of Detailed Project Reports (DPRs), which serve as the foundation for infrastructure project approval and implementation.

Key components of a DPR explained during the lecture include:

- Project background and objectives

- Site investigation and feasibility analysis
- Technical design and specifications
- Cost estimation and budgeting
- Construction methodology
- Project scheduling and timeline
- Environmental and safety considerations

The expert explained that a well-prepared DPR ensures efficient project execution and financial planning.

5. Interaction Session

An interactive session was conducted at the end of the lecture where students asked questions related to:

- Site management during infrastructure construction
- Career opportunities in infrastructure development
- Practical aspects of DPR preparation
- Challenges faced in large infrastructure projects

The expert shared valuable insights from his professional experience working on defense infrastructure projects across the North-East region of India.

6. Outcome of the Lecture

The lecture proved highly beneficial for students as it:

- Provided practical exposure to real-world infrastructure project planning
- Improved understanding of field internship expectations
- Introduced students to professional documentation such as DPR preparation
- Motivated students to develop practical and managerial skills in civil engineering

7. Conclusion

The expert lecture by Er. Pradeep Agarwal was highly informative and enriching. The session helped students understand the importance of field internships and the role of DPR preparation in infrastructure project planning and execution. The lecture provided valuable guidance that will assist students in their academic training and future professional careers in civil engineering. Total 69 Students attended the lecture and this lecture was Coordinated by Dr. Sanjay Tiwari and Dr. Abhilash Shukla.

Attendance Sheet

S.No.	Name of Student	Roll No.	Signature
01.	Nikhil Kumar Gupta	0901CE211083	<i>[Signature]</i>
02	Rajendra Singh Yadav	0901CE223010	<i>[Signature]</i>
03	Devendra Pal	0901CE223005	<i>[Signature]</i>
04	Bhojnandan Mishra	0901CE223005	<i>[Signature]</i>
05	Mahendra Singh Patel	0901CE211077	<i>[Signature]</i>
06	Nikhil Rajanaye	0901CE211086	<i>[Signature]</i>
07	Mahendra Singh Pal	0901CE211073	<i>[Signature]</i>
08	Nikhil Singh Yadav	0901CE211082	<i>[Signature]</i>
09	Kiran Kumar Jaiswal	0901CE211080	<i>[Signature]</i>
10	MUKUL JAIN	0901CE211078	<i>[Signature]</i>
11	DEEPAKSHU YADAV	0901CE221025	<i>[Signature]</i>
12	Raghunath Singh Yadav	0901CE221075	<i>[Signature]</i>
13	Sumit Soni	0901CE23ME05	<i>[Signature]</i>
14	Pranishul Nayak	0901CE23ME02	<i>[Signature]</i>
15	Simran Khatiwala	0901CE23ME04	<i>[Signature]</i>
16	Kartik Dwivedi	0901CE221043	<i>[Signature]</i>
17	Anoop Shukla	0901CE223002	<i>[Signature]</i>
18	Vishal Patel Jaiswal	0901CE233002	<i>[Signature]</i>
19	Abhishek Prasad	0901CE233004	<i>[Signature]</i>
20	Ayush Singh	0901CE221051	<i>[Signature]</i>
21	Pratik Patel	0901CE221051	<i>[Signature]</i>
22	Pratik Jaiswal	0901CE221051	<i>[Signature]</i>
23.	Devashish Rana	0901CE221026	<i>[Signature]</i>
24.	Abhishek Jaiswal	0901CE221002	<i>[Signature]</i>
25.	Gaurav Jaiswal	0901CE221031	<i>[Signature]</i>
26	Bhuvan Bhatnagar	0901CE221067	<i>[Signature]</i>
27	Bhuvan Halba	0901CE221032	<i>[Signature]</i>
28	Aryan Chauhan	0901CE221013	<i>[Signature]</i>
29	Aryan Mishra	0901CE221014	<i>[Signature]</i>
30	Aryan Kumar	0901CE221001	<i>[Signature]</i>
31	Sandeep Solanki	0901CE23ME02	<i>[Signature]</i>

Sr No.	Name of Student	Roll No.	Signature
1.	Disha Mittal	0901CE211006	<i>[Signature]</i>
2.	DHRUV SHARMA	0901CE211009	<i>[Signature]</i>
3.	Nikhil Yadav	0901CE221067	<i>[Signature]</i>
4.	Akash Bhaskar	0901CE211014	<i>[Signature]</i>
5.	Abhishek Rajput	0901CE211006	<i>[Signature]</i>
6.	Dnyanesh Sehrota	0901CE211050	<i>[Signature]</i>
7.	Harshit Dewvedi	0901CE211043	<i>[Signature]</i>
8.	Raj Yadav	0901CE221072	<i>[Signature]</i>
9.	Cheru Kumar Rathor	0901CE251030	<i>[Signature]</i>
10.	Nabin Kumar Sakti	0901CE231063	<i>[Signature]</i>
11.	Satyam Singh Bhatia	0901CE221091	<i>[Signature]</i>
12.	Prince Bhaskar	0901CE221070	<i>[Signature]</i>
13.	Yogita Kashyap	0901CE221111	<i>[Signature]</i>
14.	Zahid Khan	0901CE221112	<i>[Signature]</i>
15.	Mahim Bajpai	0901CE221052	<i>[Signature]</i>
16.	Shubhanshu Modi Shukla	0901CE221092	<i>[Signature]</i>
17.	Yashwanth Singh Rajput	0901CE221077	<i>[Signature]</i>
18.	Harshit Singh	0901CE221039	<i>[Signature]</i>
19.	Harshit Tiwari	0901CE221050	<i>[Signature]</i>
20.	Mayank Raj	0901CE221056	<i>[Signature]</i>
21.	Kaldeep Patel	0901CE221051	<i>[Signature]</i>
22.	Prithvi Kumar	0901CE221032	<i>[Signature]</i>
23.	Devashish Rana	0901CE221026	<i>[Signature]</i>
24.	Abhishek Tatar	0901CE221002	<i>[Signature]</i>
25.	Aravind Jaiswal	0901CE221031	<i>[Signature]</i>
26.	Vishal Kumar	0901CE211118	<i>[Signature]</i>
27.	Akshita	0901CE221022	<i>[Signature]</i>
28.	Vandana	0901CE221003	<i>[Signature]</i>
29.	Abhinav Mishra	0901CE221021	<i>[Signature]</i>
30.	Ayush Singh Tomar	0901CE221032	<i>[Signature]</i>
31.	Dipendra Meher	0901CE221059	<i>[Signature]</i>
32.	Mohini Choudhary	0901CE221030	<i>[Signature]</i>
33.	Shreyanshi Sarrafale	0901CE211024	<i>[Signature]</i>
34.	Anshika Arora	0901CE211054	<i>[Signature]</i>
35.	Aranya Rai	0901CE221001	<i>[Signature]</i>
36.	Audeth Raj	0901CE221106	<i>[Signature]</i>
37.	Sudesh Dwivedi	0901CE221001	<i>[Signature]</i>
38.	Abhishek Kumar Tiwari	0901CE221001	<i>[Signature]</i>