



**POORNIMA**  
**COLLEGE OF ENGINEERING**

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### *7.3.1.10 Reports of industrial visits organized.*

**ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)**  
• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org  
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# POORNIMA

## COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

### Report On Rambagh Site Visit

**NAME OF ACTIVITY:** Report on Rambagh Site Visit by Civil Engineering Students - Mangalam Group, Jaipur

**DATE & DURATION:** 31 October, 2023

**ORGANIZED BY:** Department of Civil Engineering

#### **EXPECTED OUTCOMES:**

- Student will be able to understand practical application of theoretical knowledge.
- Student will be able to understanding project management.
- Student will be able to observe safety protocols followed on-site and understand the importance of worker safety and site safety regulations.

#### **MAPPINGS WITH PO&PSO:**

**CO-PO-PSO Mapping: Mapping Levels: 1- Low, 2- Moderate, 3-Strong**

CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	-	-	-	-	-	-	-	-	-	-	-		3	-
CO2	-	-	-	-	-	3	-	-	-	-	-	-	-	-	3
CO3	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2

#### **OBJECTIVE:**

##### **1. Understanding Project Scope:**

The primary objective of the visit was to understand the scope of the Rambagh project. Students were briefed on the project's objectives, key features, and the overall construction plan.

##### **2. Observing Construction Techniques:**

The site visit aimed to expose students to various construction techniques employed at the Rambagh site. This included the use of modern construction equipment,

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materials, and safety measures.

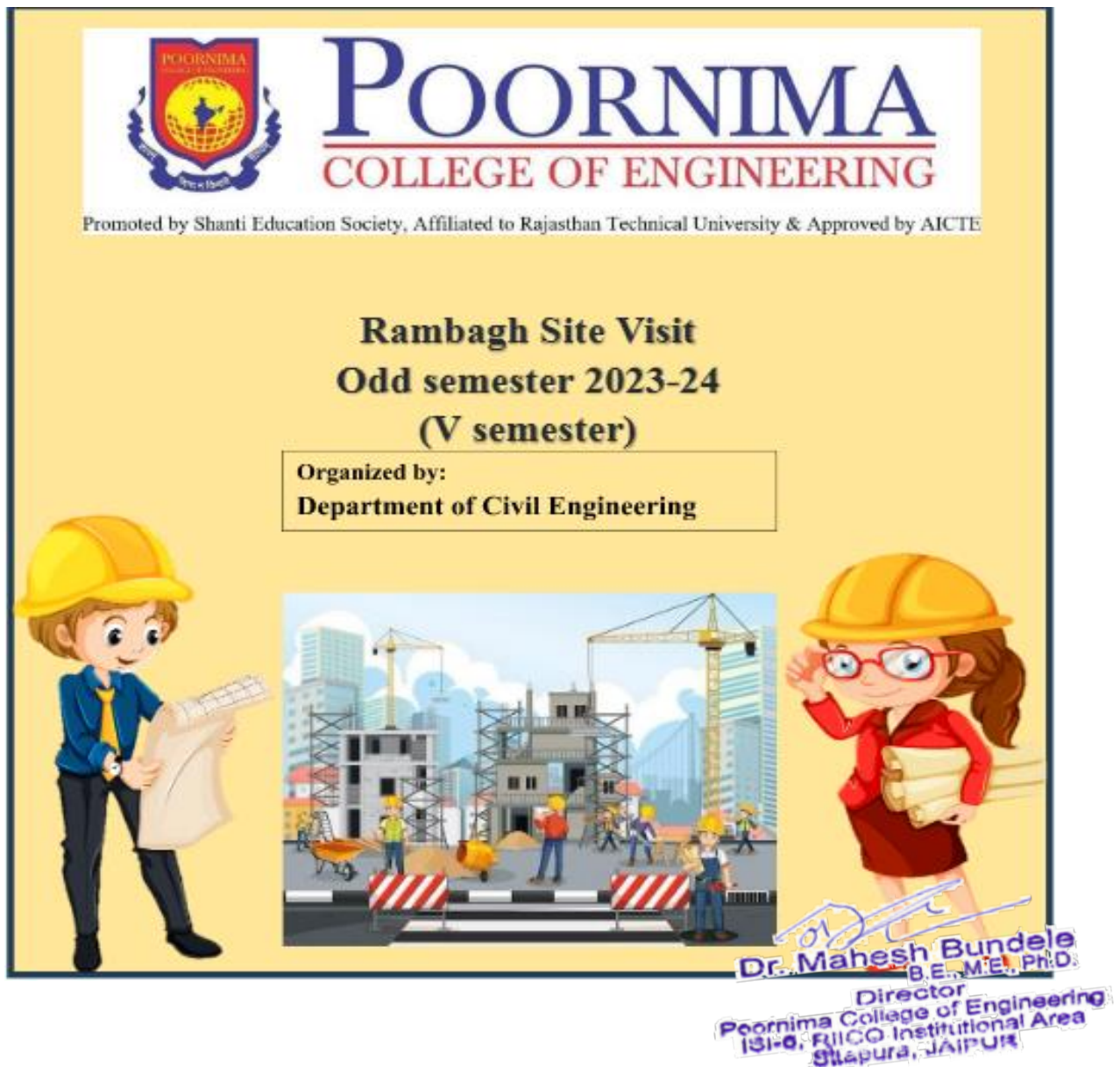
### **3. Interaction with Industry Professionals:**

To facilitate a comprehensive learning experience, students had the opportunity to interact with engineers, project managers, and other professionals from the Mangalam Group. This allowed them to gain insights into the practical challenges and decision-making processes in real-world construction projects.

### **INTRODUCTION:**

On 31 October 2023, a group of civil engineering students embarked on a site visit to the Rambagh project site, managed by the Mangalam Group in Jaipur. The purpose of the visit was to provide students with practical exposure to real-world construction projects, allowing them to apply theoretical knowledge gained in the classroom to actual construction scenario.

### **BROCHURE:**



## NOTICE



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PCE/CE/2023-24/AC/001

Dated: 31/10/2023

## NOTICE

Dear Students,

"Greetings from Department of Civil Engineering"

We hope you all are safe & healthy at home with your family members.

I am pleased to inform you that we will be organizing a site visit to the under-construction Rambagh Site Visit by Civil Engineering, Mangalam Group, Jaipur on 31 October 2023. This visit presents a unique opportunity to witness the construction process and gain insights into architectural and engineering practices.

**Details of the visit are as follows:**

**Date:** 31 October 2023

**Time:** 8:00 AM – 11:00 AM

**Location:** Rambagh Site Visit, Mangalam Group, Jaipur

Please come dressed appropriately for a construction site, and don't forget to bring your notepad for any observations and questions you may have. This experience promises to be both educational and inspiring.

Looking forward to seeing you there!

Best regards,

## SITE OVERVIEW:

### 1. Location:

The Rambagh project site is located in the heart of Jaipur, strategically positioned to meet the city's growing infrastructure demands. The location offers accessibility and convenience, with nearby amenities contributing to the project's significance.

### 2. Project Scope:

The Rambagh project encompasses the construction of a multi-story commercial complex. The scope includes excavation, foundation work, structural framing, MEP (Mechanical, Electrical, and Plumbing) installations, and finishing works.

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## **OBSERVATIONS AND LEARNINGS:**

### **1. Foundation Design:**

The site visit provided valuable insights into the foundation design of the structure. Students observed the excavation process, reinforcement placement, and concrete pouring techniques for the foundation, gaining a practical understanding of the crucial role foundations play in ensuring structural stability.

### **2. Structural Framing:**

The structural framing of the building showcased modern construction practices. Students observed the installation of precast concrete elements, steel framing, and the coordination involved in erecting a structurally sound framework.

### **3. Safety Measures:**

The Mangalam Group prioritizes safety on the construction site. Students were briefed on the various safety measures in place, including the use of personal protective equipment (PPE), safety barriers, and regular safety inspections.

### **4. Project Management:**

Interactions with project managers provided students with insights into project planning, scheduling, and coordination. They learned about the challenges faced in managing resources, timelines, and unforeseen issues that can arise during construction.

## **CONCLUSION:**

The Rambagh site visit proved to be an enriching experience for the civil engineering students. It bridged the gap between theoretical knowledge and practical application, offering a holistic understanding of the complexities involved in real-world construction projects. The exposure to industry professionals and the chance to witness various construction stages will undoubtedly contribute to the students' academic and professional development. This site visit aligns with our commitment to providing a well-rounded education that prepares students for the challenges of the civil engineering profession. We extend our gratitude to the Manglam Group for their hospitality and willingness to share their expertise with our students.

  
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## FEW GLIMPSES OF THE EVENT:







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 Jagatpura, JAIPUR



  
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## ATTENDANCE

POORNIMA COLLEGE OF ENGINEERING JAIPUR			
DEPARTMENT OF CIVIL ENGINEERING			
Attendance sheet of Site Visit on 31/10/2023 at Mangalam Rambag			
Student list			
S.N	Registration No.	Student Name	Signature
1	PCE22CE508	Ahtisham Rashid	<i>Ahtisham Rashid</i>
2	PCE22CE002	Ansh Kumar Dvivedi	<i>Ansh</i>
3	PCE22CE506	Arjun Kumar	<i>Arjun</i>
4	PCE22CE003	Aryan Bairwa	<i>Aryan</i>
5	PCE22CE004	Aryan Yadav	<i>Aryan</i>
6	PCE22CE005	Himanshu Meena	<i>Himanshu</i>
7	PCE22CE010	Mohammed Adil	<i>Adil</i>
8	PCE22CE011	Ms Astha Garg	<i>Astha Garg</i>
9	PCE22CE013	Ms. Jahnvi Ninama	<i>Jahnvi Ninama</i>
10	PCE22CE015	Pavan Gurjar	<i>Pavan Gurjar</i>
11	PCE22CE020	Sameer Bairwa	<i>Sameer</i>
12	PCE22CE022	Siddharth Saini	<i>Siddharth</i>
13	PCE22CE023	Sunil Kumar Ranwa	<i>Sunil Kumar</i>
14	PCE22CE025	Tushar Jaiswal	<i>Tushar</i>
15	PCE23CE800	Aditya Saini	<i>Aditya</i>
16	PCE23CE803	Ravi Raushan	<i>Ravi Raushan</i>
17	PCE23CE802	Aman Vishal	<i>Aman Vishal</i>
18	PCE23CE804	Vivek Kumar	<i>Vivek</i>
19	PCE23CE800	Ajay Singh Chauhan	<i>Ajay Singh</i>

Attendance of V SEM			
Poornima College of Engineering, Jaipur			
Department of Civil Engineering			
Site Visit			
Participants List			
S.No.	Registration Number	Name	Signature
1	PCE21CE002	AASHISH CHAUHAN	<i>Aashish</i>
2	PCE21CE003	ABHISHEK	<i>Abhishek</i>
3	PCE21CE004	ABHISHEK JINDAL	<i>Abhishek</i>
4	PCE21CE006	AKASH KUMAR DHAKA	<i>Aakash</i>
5	PCE21CE007	ANKIT KUMAR MEENA	<i>Ankit</i>
6	PCE21CE009	DEVANSH TYAGI	<i>Devansh</i>
7	PCE21CE010	DEVANSHI MEENA	<i>Devanshi</i>
8	PCE21CE012	FAEEZ	<i>Faaz</i>
9	PCE21CE013	GARVIT CHHAWAL	<i>Garvit</i>
10	PCE21CE015	HIMANSHU MEENA	<i>Himanshu</i>
11	PCE21CE017	KESHAV KUMAR	<i>Keshav Kumar</i>
12	PCE21CE019	MANISH PRAJAPAT	<i>Manish</i>
13	PCE21CE022	MOHD KAIF LANGA	<i>Mohd Kaif</i>
14	PCE21CE023	NAVEEN SINGH	<i>Naveen</i>
15	PCE21CE024	NITIN KUMAR	<i>Nitin</i>
16	PCE21CE025	PANKAJ MEENA	<i>Pankaj</i>
17	PCE21CE027	RADHESHYAM DERWAL	<i>Radheshyam</i>
18	PCE21CE028	RAGHAV KUMAR SHARMA	<i>Raghu</i>
19	PCE21CE033	RAMINNDRA SINGH TANWAR	<i>Raminndra</i>
20	PCE21CE503	PRIYANKA KUMARI	<i>Priyanka</i>
21	PCE21CE504	RAHUL SINGH	<i>Rahul</i>
22	PCE21CE034	RAVI KUMAR SHARMA	<i>Ravi</i>
23	PCE21CE038	SHILPA BANSAL	<i>Shilpa</i>
24	PCE21CE039	SHIVANI VERMA	<i>Shivani</i>
25	PCE21CE041	SUDHIR CHOUDHARY	<i>Sudhir</i>
26	PCE21CE043	TANMAY BARGOT	<i>Tanmay</i>
27	PCE21CE044	TEJAS RATAWAL	<i>Tejas</i>
28	PCE21CE046	VJAY KUMAR	<i>Vjay</i>
29	PCE22CE800	NEETESH MEENA	<i>Neetesh</i>
30	PCE22CE703	KASHIF	<i>Kashif</i>

  
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## Feedback:

FEEDBACK ANALYSIS (2023-24)							
S.No.	Attributes	Total Feed Back					100
1	Did the session meet its objectives?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		76.21	11.91	5.99	1.20	0.00	
2	Did you find the contents useful?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		75.25	14.19	7.92	1.11	0.00	
3	Did it help students to enhance their skills or learnings?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.29	16.11	6.49	1.20	0.00	
4	Did you receive uninterrupted Connectivity in case of online sessions?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.20	16.59	5.19	1.32	0.00	
5	How do you rate this session overall?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		72.29	18.52	6.99	1.00	0.00	
Overall Remark:- These kind of sessions should be conducted in the future too for more awareness.							

  
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## **A REPORT ON** **INDUSTRIAL VISIT**


- ♦ **TITLE AND DURATION:** “INDUSTRIAL VISIT OF 132KV GSS/ GIS”  
RVPN, SMS STADIUM”, JAIPUR on May 3, 2024.
- ♦ **SPONSORS & SUPPORTERS:** NA
- ♦ **ORGANIZER(S):** Department of Electrical Engineering, Poornima College of Engineering, Jaipur.
- ♦ **NOTICE:**

Poornima College of Engineering, Jaipur  
Department of Electrical Engineering

Date: 28.05.24

### **CIRCULAR**

With a great contentment we would like to inform you that Department of Electrical Engineering is organizing Online Webinar on “How to Crack GATE In First Attempt” on May 01, 2024.

  
Dr. Pravin M. Sonwane  
Professor & Head  
Electrical Engineering Department  
Poornima College of Engineering, Jaipur

  
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## FLYER / POSTER:



### Objectives of Industrial Visit at Grid Sub-Station:

The objectives of a grid substation visit for electrical engineering students can be:

**Understanding the functioning of a substation:** A substation is an important part of an electrical power system, and it is crucial for electrical engineering students to understand how it works. Through a substation visit, students can learn about the different components of a substation, such as transformers, circuit breakers, and switchgear.

**Familiarizing with substation equipment:** Students can learn about the different types of equipment used in a substation, such as power transformers, current transformers, potential transformers, and circuit breakers. They can also learn about the latest technology and equipment used in the substation.

**Understanding the safety procedures:** A substation can be a dangerous place, and it is essential to follow strict safety procedures. Students can learn about the safety procedures, such as

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as wearing personal protective equipment, identifying hazards, and following emergency procedures.

**Learning about substation maintenance:** Students can learn about the importance of substation maintenance and how it is carried out. They can learn about the different maintenance activities,

such as cleaning, testing, and servicing of equipment.

**Exposure to real-world scenarios:** A substation visit can provide students with exposure to real-world scenarios, such as handling equipment failures, power outages, and emergency situations. This can help them gain practical experience and prepare for their future careers as electrical engineers.

### **Outcomes of Industrial Visit:**

An industrial visit can have several outcomes, depending on the goals and objectives of the visit. Some of the common outcomes of an industrial visit are:

**Learning:** Industrial visits provide students or professionals with an opportunity to gain firsthand knowledge and practical experience of the industry's functioning, operations, and processes. They can learn about the latest technology and equipment used, manufacturing techniques, quality control, supply chain management, and other important aspects of the industry.

**Networking:** Industrial visits can help students or professionals connect with industry experts, executives, and employees. This can lead to new opportunities, job offers, mentorship, and valuable contacts in the industry.

**Career guidance:** Industrial visits can help students or professionals to gain a better understanding of the career options available in the industry. They can learn about the skills, qualifications, and experience required for different roles and job profiles.

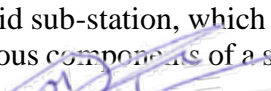
**Industry insights:** Industrial visits can provide insights into the industry's future trends, challenges, and opportunities. This can help students or professionals to develop a better understanding of the industry's dynamics and make informed decisions about their future career or business plans.

**Motivation:** Industrial visits can be a source of inspiration and motivation for students or professionals. They can see how their academic or professional knowledge can be applied in real-world scenarios and how their work can make a difference in the industry.

### **Outcomes of Industrial Visit at GSS:**

The outcomes of an industrial visit at a grid sub-station can be:

**Understanding of the functioning of a grid sub-station:** The industrial visit can help students or professionals gain a better understanding of the functioning of a grid sub-station, which is a critical component of the power system. They can learn about the various components of a sub-station, such as transformers, switchgear, and protective relays.

  
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**Exposure to real-world scenarios:** The industrial visit can expose students or professionals to real-world scenarios, such as equipment failures, power outages, and emergency situations. They can learn how to handle such situations and develop problem-solving skills.

**Practical knowledge of sub-station equipment:** The industrial visit can provide students or professionals with practical knowledge of sub-station equipment, such as power transformers, current transformers, potential transformers, and circuit breakers. They can learn about the latest technology and equipment used in sub-stations.


**Understanding of safety procedures:** The industrial visit can help students or professionals understand the safety procedures and protocols followed in sub-stations. They can learn about the importance of personal protective equipment, identifying hazards, and following emergency procedures.

**Networking opportunities:** The industrial visit can provide networking opportunities with industry experts, executives, and employees. They can learn about the different job roles and career opportunities available in the power sector.

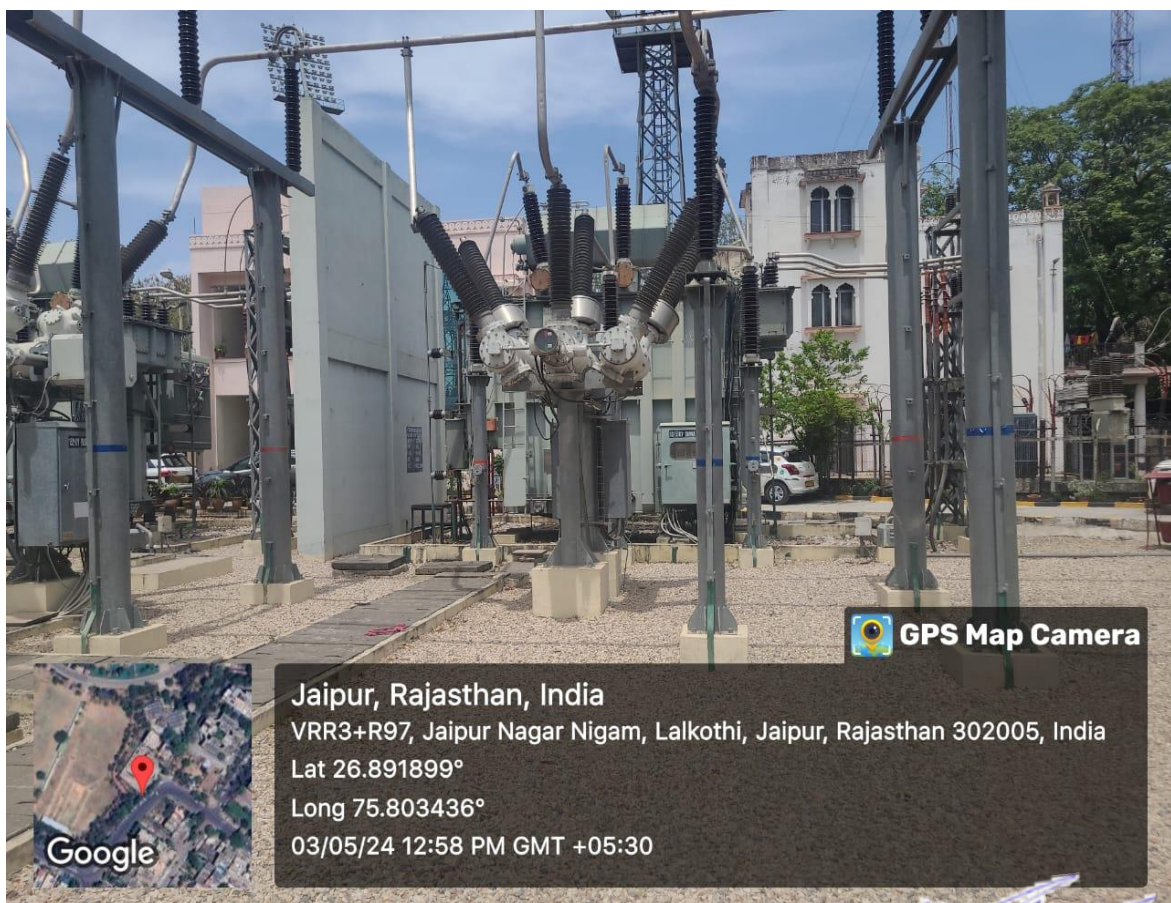
**Inspiration and motivation:** The industrial visit can inspire and motivate students or professionals to pursue a career in the power sector. They can see how their academic or professional knowledge can be applied in real-world scenarios and how their work can make a difference in the industry.

**Industrial Visit CO-PO Mapping:**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Understanding grid substations' function, practical knowledge, industry sights, safety measures, real-world scenarios, and new advancements					3	3		3	3	3		3

  
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## GLIMPSES OF THE VISIT:



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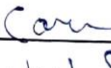




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## ATTENDANCE LIST:

Poornima College of Engineering				
Electrical Engineering Department				
Industrial Training Visit (3 May 2024)				
S.No.	RegistrationNo	StudentName	Gender	Signature
1	PCE22EE001	AKASH KUMAR	Male	
2	PCE22EE002	ANUJ SHARMA	Male	
3	PCE22EE003	ASHVINI NAGAR	Male	
4	PCE22EE004	BALKRISHAN SHARMA	Male	
5	PCE22EE005	HARSH PAREEK	Male	
6	PCE22EE006	JAIPAL	Male	
7	PCE22EE007	KAILASH CHOUDHARY	Male	
8	PCE22EE018	KIRAN SHEKHAWAT	Female	
9	PCE22EE008	MOHAMMED AMAAN	Male	
10	PCE22EE009	NAGENDRA BEDA	Male	
11	PCE22EE010	NAMAN SINGH CHOUHAN	Male	
12	PCE22EE011	NITIN AGNIHOTRI	Male	
13	PCE22EE012	RAHUL SHARMA	Male	
14	PCE22EE013	SANJAY BAIRWA	Male	
15	PCE22EE014	SAURAV KUMAR	Male	
16	PCE22EE015	VISHAL SAINI	Male	
17	PCE22EE016	VISHANT KUMAR MEENA	Male	

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Poornima College of Engineering				
Electrical Engineering Department				
Industrial Training Visit (3 May 2024)				
S.No.	RegistrationNo	StudentName	Gender	Signature
1	PCE21EE001	AMAAN KHAN	Male	
2	PCE21EE002	ANUJ YADAV	Male	
3	PCE21EE003	ARPIT KUMAR GUPTA	Male	
4	PCE21EE004	ARYAN CHOUDHARY	Male	
5	PCE21EE006	DEBNIL MAHAPATRA	Male	
5	PCE21EE007	DEEPAK SHARMA	Male	
7	PCE21EE008	GAGANDEEP	Male	
8	PCE21EE009	HIMANSHU NAMA	Male	
9	PCE21EE010	KRITIKA CHAWALA	Female	
10	PCE21EE011	MD ASIF ALI	Male	
11	PCE21EE012	NAMAN KUMAR MEENA	Male	
12	PCE21EE013	NIKHIL SHARMA	Male	
13	PCE21EE014	PANKAJ BIJARNIYA	Male	
14	PCE21EE015	PRIYANSHU SHARMA	Male	
15	PCE21EE016	PUNEET SARASWAT	Male	
16	PCE21EE017	RAJKUMAR BOCHALIYA	Male	
17	PCE21EE018	RAM NARAYAN JAT	Male	
18	PCE21EE019	RAMCHIJ MEENA	Male	
19	PCE21EE020	RAVI SAINI	Male	
20	PCE21EE021	ROHIT KUMAR	Male	
21	PCE21EE022	SHER SINGH MEENA	Male	
22	PCE21EE023	SHUBHAM KUMAR YOGI	Male	
23	PCE21EE024	SHUBHAM VERMA	Male	
24	PCE21EE025	VINAY SHARMA	Male	
25	PCE21EE026	YATENDER YADAV	Male	
26	PCE21EE027	RAJKUMAR	Male	
27	PCE22EE702	PEERZADA ABDUL HADIE SHAH	Male	

  
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## FEED BACK:

INDUSTRIAL VISIT OF 132KV GSS/ GIS” RVPN, SMS STADIUM			
	Attributes	Comments	No. Of Comments
Program	Organizing Level	Excellent	28
		V. Good	2
		Good	0
		Poor	0
TEST	Relevance	Excellent	25
		V. Good	2
		Good	3
		Poor	0
	Depth	Excellent	26
		V. Good	1
		Good	3
		Poor	0
	Interest	Excellent	28
		V. Good	2
		Good	0
		Poor	0
INTERVIEWER	Knowledge	Excellent	24
		V. Good	2
		Good	4
		Poor	0
	Response to questions	Excellent	22
		V. Good	7
		Good	1
		Poor	0
	Delivery	Excellent	24
		V. Good	5
		Good	1
		Poor	0
Overall understanding of concepts		Excellent	27
		V. Good	3
		Good	0
		Poor	0
Would you like to attend similar activity in future		Yes	30
		No	0
Suggestions		This type of activity such as industry visit should be arrange in frequent manner.	

  
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### A Report On

### “Industrial Visit”

**NAME OF ACTIVITY:** Industrial Visit to Jaipur Metro & DainikBhaskar

**DATE & DURATION:** September 26, 2023

**TYPE OF ACTIVITY:** Industrial Visit

**ORGANIZED BY:** Department of First Year

**COORDINATOR:** Dr. Rekha Nair

The banner features the Poornima College of Engineering logo and name at the top. Below it, the text reads: 'Academic Session 2023-24', '3 Weeks Student Induction Programme', and 'INDUSTRIAL VISIT' in large red letters. At the bottom, there are three images: a modern building, a train on a bridge, and a green landscape. Below these images are the slogans 'SAVE WATER', 'SAVE GREENERY', and 'SAVE EARTH'.

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Academic Session 2023-24

3 Weeks Student Induction Programme

**INDUSTRIAL VISIT**

SAVE WATER      SAVE GREENERY      SAVE EARTH

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## LEARNING OUTCOMES:

The participants through this workshop will be able to –

CO1: Students got the opportunity to see and experience real workstations, plants, machines, systems

CO2: Students got the opportunity to interact with Industry Experts

CO3: It helped in increasing networking opportunities while building good relationships with companies

CO4: It also enhances their interpersonal, communication skills, and teamwork abilities

## MAPPINGS WITH PO AND PSO:

	PO-1 (Engineering Knowledge)	PO-2 (Problem Analysis)	PO-3 (Design/Development of Solutions)	PO-4 (Conduct Investigations of Complex Problems)	PO-5 (Modern Tool )	PO-6 (Engineer and Society)	PO-7 (Environment and Sustainability)	PO-8 (Ethics)	PO-9 (Individual and Team Work)	PO-10 (Communication)	PO-11 (Project Management and Finance)	PO-12 (Life-Long Learning)
CO1	3				3				3			
CO2	2											3
CO3									2			
CO4										3		3

## ASSESSMENT TOOLS:

POORNIMA COLLEGE OF ENGINEERING					
FEEDBACK FORM					
Tick for the level of rating (1 to 5) to be given 1-Lowest and 5 Highest					
Questions	1	2	3	4	5
Did the session meet its objectives?	-	-	-	-	-
Did you find the contents useful?	-	-	-	-	-
Did it help students to enhance their skills or learning's?	-	-	-	-	-
Was the Audio Video Quality satisfactory in case of online sessions?	-	-	-	-	-
Did you receive uninterrupted Connectivity in case of online sessions?	-	-	-	-	-
How do you rate this session overall?	-	-	-	-	-
What can we do to improve in future?					
<u>Remarks/Suggestions:</u>					

## DETAILS OF ACTIVITY:

Industrial visit is considered as one of the tactical methods of teaching. The main goal of the industrial tour is to help the students better connect what they study in the classroom to the actual industrial setting. These visits are designed to provide students an explorative understanding of the various activities.

On September 26, 2023, Poornima Group of Institutions organized an industrial visit to Jaipur Metro and Dainik Bhaskar. The main aim of an industrial visit is to provide students with practical working environment. It also gives awareness of new technologies.

### About Jaipur Metro:

Jaipur Metro is a rapid transit system in the city of Jaipur, Rajasthan, India. Construction on the mostly elevated part of the first line, called Phase 1A, comprising 9.63 kilometres (5.98 mi) of route from Mansarovar to Chandpole Bazar, started on 13 November 2010. The Jaipur Metro

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Rail system is India's sixth metro rail system after those in Kolkata, Delhi NCR, Bangalore, Gurgaon and Mumbai. A major advantage of the metro is that it reduces carbon emission per person by a very significant amount.

Jaipur Metro has been decorated by the artwork of heritage walls of Jaipur inside and outside of the Metro. Metro stations also have the same kind of artwork. It is also touted as one of the fastest built metro systems in India. Jaipur Metro is the first metro in India to run on Double-storey elevated road and Metro track. Estimated cost of the east–west corridor of the Jaipur Metro is ₹3,149 crore (US\$390 million).


### **About DainikBhaskar:**

DainikBhaskar Jaipur plant has the capacity to print 85000 copies of newspaper per hour and around 5-6 lakhs copies of newspapers and printed in ASIFT of 6 hours per day. It is an Indian Hindi language daily newspaper owned by DainikBhaskar group. According to Audit Bureau of circulation it is ranked 4th in the world by circulation. Today, DainikBhaskar Group is present in 12 States with 65 editions in Hindi, Marathi and Gujarati.

The students were divided into three groups. All these groups reached Mansarovar Metro Station where they were taken to the Control room and provided with a clear vision of the management system of the station. They were given a detailed overview of how the Jaipur Metro operated and what were the key pointers differentiating Jaipur's Metro from their counterparts in other Metropolitan cities.

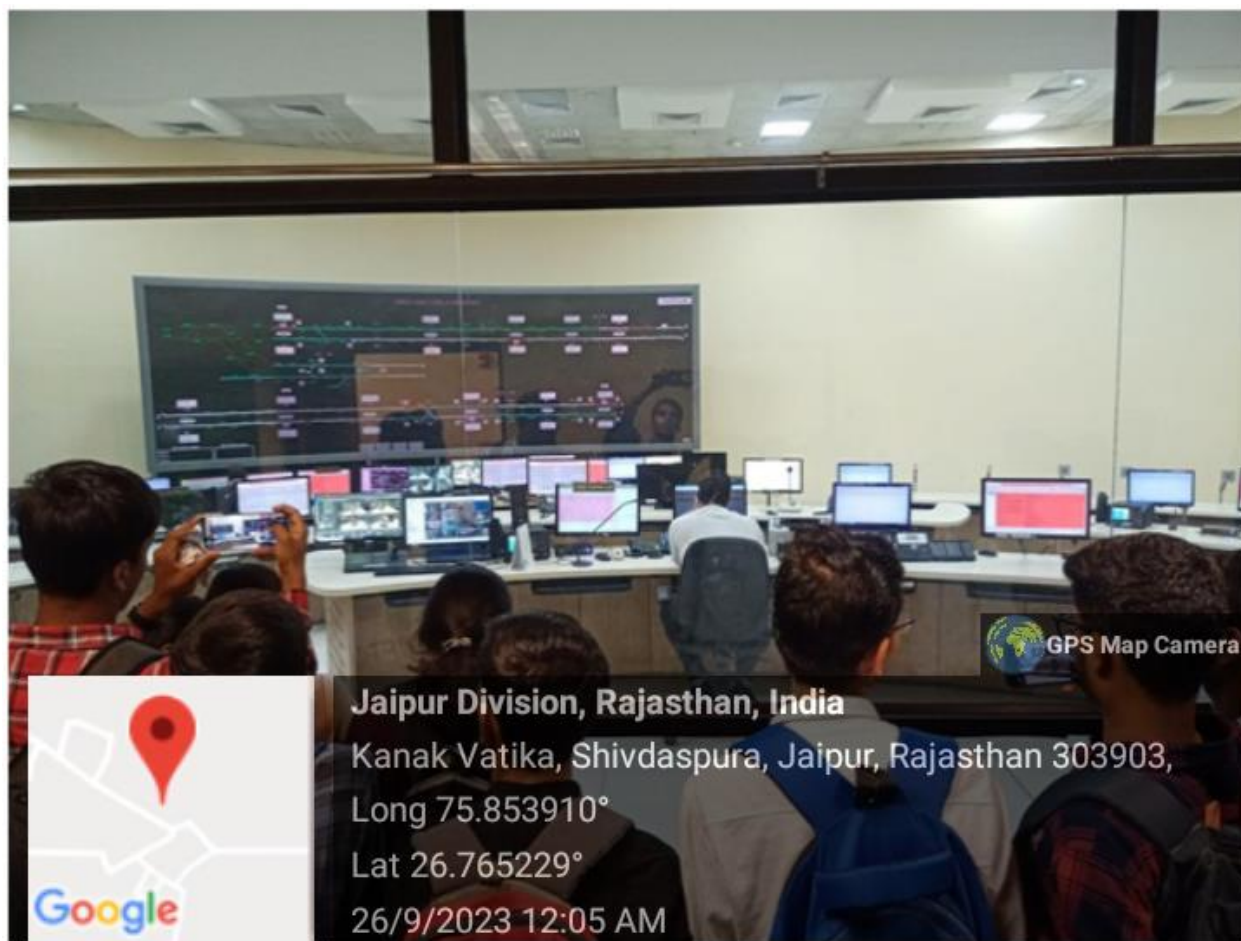
After the brief tour of the metro office, the students were transported from Mansarovar to Heritage City via Metro. During their journey from the Metro, Students were well disciplined so the public did not have any inconvenience. Students got their metro visit cards and were taken to the Art Gallery where the students were amazed by the collection of ancient paintings. Students enjoyed their visit to the metro station but it was the trip from Mansarovar to Jaipur city by metro which became a core memory for the students. Students had fruitful conversations and made new friends during the journey.

Students were also taken to DainikBhaskar where they explored the below points in industrial visit of printing press:

  
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- Perfect size of paper is decided within the first 16000 Papers.
- 3 processes are to be passed for a paper to be selected.
- Auto& manual systems both are available.
- Making charges of 1 newspaper is Rs 10 (vary according to quality of pageand quantity of pages).
- The working rate is 75000/hr and max is 85000/hr.
- Godowns provide enough storage that is to be required.
- The Lincoln machine allows the mining, saturating and starching of the colours.
- 10/20, the nicknames of the entering machines which allow the printing thepapers. Both machines are imported from Germany.
- Consoles decide its working area and what colours are to be used.

## **GLIMPSES:**





  
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### LIST OF THE PARTICIPANTS:

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1	PCE23EC001	ADITYA SANJAY TRIVEDI
2	PCE23EC002	AKASH

  
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4	PCE23EC004	DEEPAK SHARMA
5	PCE23EC005	HARSH AGARWAL
6	PCE23EC006	ISHA JAYSWAL
7	PCE23EC007	JASPREET SINGH VIRDI
8	PCE23EC008	KARTIK SHARMA
9	PCE23EC009	LAKSHIT VIJAYVARGIYA
10	PCE23EC010	LAXMAN SINGH
11	PCE23EC011	LOVESH JAIN
12	PCE23EC012	MANJEET SINGH
13	PCE23EC013	MIHEER SHARMA
14	PCE23EC014	MOHIT SAIN
15	PCE23EC021	MS.PRIYESHA UPADHYAY
16	PCE23EC015	NIKHIL OJHA
17	PCE23EC016	PARIDHI JAIN
18	PCE23EC017	PRADUMAN SINGH
19	PCE23EC018	PRATHAM GUPTA
20	PCE23EC019	PRAVEEN SINGH BANA
21	PCE23EC020	PRIYANSHU PARASHAR
22	PCE23EC022	SANIYA TANWAR
23	PCE23EC023	SHASHIKANT KUSHWAHA
24	PCE23EC024	SHASHWAT JAIN
25	PCE23EC025	SHRIYA PARIHAR
26	PCE23EC026	SIMRAN KUMARI
27	PCE23EC027	SUBHASH
28	PCE23EC028	SUHANI MATHUR
29	PCE23EC029	SUJAL GUPTA
30	PCE23EC030	TUSHAR SHARMA
31	PCE23EC031	VIDHI RAMNANI
32	PCE23EC032	YASHPAL SINGH CHAUHAN
33	PCE23EE001	AKSHAY NAMA
34	PCE23EE002	ASHVINI POONIA
35	PCE23EE003	AYUSH
36	PCE23EE004	AYUSH KUMAR

37	PCE23EE005	DHIRAJ BANSKUWA
38	PCE23EE006	HIMESH SINGHVI
39	PCE23EE007	HITESH SAINI
40	PCE23EE008	JAYESH DHAKAD
41	PCE23EE009	KAUSHAL KUMAR
42	PCE23EE010	KRISHNA JANGID
43	PCE23EE012	MANISH BAIRWA
44	PCE23EE013	MOHAMMAD ZAKAULLAH
45	PCE23EE014	MOHIT SINGH SOLANKI
46	PCE23EE015	MOHIT SINGHAL
47	PCE23EE011	MS.LAXMI SAINI
48	PCE23EE024	MS.SAMRIDDHI SAINI
49	PCE23EE027	MS.SIDDHI SAINI
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54	PCE23EE020	RAVIRAJ SINGH RATHORE
55	PCE23EE021	ROHIT SISODIYA
56	PCE23EE022	SACHIN MATHUR
57	PCE23EE023	SAHIL MOTWANI
58	PCE23EE025	SANDEEP UPADHYAY
59	PCE23EE026	SARWAR ALAM
60	PCE23EE029	SURENDRA SINGH
61	PCE23EE030	TARUN SINGH
62	PCE23EE031	VINAYAK SHARMA
63	PCE23EE032	SARABJEET SINGH
64	PCE23EE033	VISHAL SINGH
65	PCE23CS126	PRATYUSH KUMAR GUPTA
66	PCE23CS127	PRERNA JANGID
67	PCE23CS128	PRIYANSHI AGARWAL
68	PCE23CS129	PRIYANSHU SHARMA
69	PCE23CS130	PRIYANSHU SHARMA
70	PCE23CS131	PULKIT BAROLA

  
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71	PCE23CS132	PUNIT SHARMA
72	PCE23CS133	RAGHAV KAUSHIK
73	PCE23CS134	RAHUL MARATHA
74	PCE23CS135	RAVEENA DHAKAR
75	PCE23CS136	RAVI KUMAR
76	PCE23CS137	RAVI MAHAWAR
77	PCE23CS138	RAVI RATHOR
78	PCE23CS139	RHYTHM ANIL GOYAL
79	PCE23CS140	RITESH MORYA
80	PCE23CS141	RITU RANI
81	PCE23CS142	RIYA DAD
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83	PCE23CS144	ROHIT KUMAR
84	PCE23CS145	ROHIT KUMAWAT
85	PCE23CS146	RUDRAKSH MAHAWAR
86	PCE23CS147	RUPENDER SINGH NARUKA
87	PCE23CS148	SAHIL AGRAWAL
88	PCE23CS149	SANIYA JODHANI
89	PCE23CS150	SANJEEV KUMAR
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91	PCE23CS152	SARTHAK BISHT
92	PCE23CS153	SARTHAK MANGAL
93	PCE23CS154	SARVESH AVTAR TAILOR
94	PCE23CS155	SAYYED SAAWEZ ALI
95	PCE23CS156	SHALIN SRIVASTAVA
96	PCE23CS157	SHANKAR KUMAR
97	PCE23CS158	SHATAKSHI UPADHYAY
98	PCE23CS159	SHIVANSH AGARWAL
99	PCE23CS160	SHIVANSH JANGIR
100	PCE23CS161	SHLOK SETH
101	PCE23CS162	SIDDHARTH VEDWAL
102	PCE23CS163	SNEHA JAIN
103	PCE23CS164	SPARSH MATHUR
104	PCE23CS165	SRISHTI SHARMA
105	PCE23CS166	SUJAL SINGHAL

  
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107	PCE23CS168	SUNAMI AGARWAL
108	PCE23CS169	TANISHA KUMAWAT
109	PCE23CS170	TANISHKA DHAKAR
110	PCE23CS171	TANISHKA SINGHAL
111	PCE23CS173	TASSVOUR REHMAN ASHRAFI
112	PCE23CS174	TITIKSHA SHARMA
113	PCE23CS175	TUSHALI JAIN
114	PCE23CS176	UMANG SHARMA
115	PCE23CS177	VANSH AGARWAL
116	PCE23CS178	VANSH MEHTA
117	PCE23CS179	VANSH SHARMA
118	PCE23CS180	VEDANT GUPTA
119	PCE23CS181	VINAMRA SHARMA
120	PCE23CS182	VISHWA KHANDELWAL
121	PCE23CS183	YASHI KUMAWAT
122	PCE23CS184	YASHVARDHAN SHARMA
123	PCE23CS185	YASHWANT GAHLOT
124	PCE23CS186	YATHARTH RATHORE
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126	PCE23CS188	YUVIKA AGARWAL
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134	PCE23IT006	AKASH GARG
135	PCE23IT007	ANJALI KUMARI
136	PCE23IT008	ANSHUL SINGH RAWAT
137	PCE23IT009	ARNIM BHATNAGAR
138	PCE23IT010	ARYAN AGNIHOTRI
139	PCE23IT012	AYUSH MATHUR

  
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141	PCE23IT014	DHRUV GULWANSHI
142	PCE23IT015	DHRUV PANCHOLI
143	PCE23IT016	DISHANT HADA
144	PCE23IT017	DIVESH SHARMA
145	PCE23IT018	DIVYA GUPTA
146	PCE23IT019	DIVYANSH BHARDWAJ
147	PCE23IT020	GARIMA JODHA
148	PCE23IT021	GARVIT GOYAL
149	PCE23IT022	GAURAV JAIN
150	PCE23CS105	NITESH SAINI
151	PCE23CS106	NITIN PRAJAPAT
152	PCE23CS107	ONIK JAIN
153	PCE23CS108	PALAK
154	PCE23CS109	PARTH PATIDAR
155	PCE23CS110	PARTH VIJAY
156	PCE23CS111	PARTH VIJAYVARGIYA
157	PCE23CS112	PARV JAIN
158	PCE23CS113	PAYAL AGARWAL
159	PCE23CS114	PIYUSH BHARDWAJ
160	PCE23CS115	PIYUSH KUMAR
161	PCE23CS116	PIYUSH SONI
162	PCE23CS117	PIYUSH SUTHAR
163	PCE23CS118	PRACHI JAIN
164	PCE23CS119	PRADARSH MITTAL
165	PCE23CS120	PRAGYA VAISHNAV
166	PCE23CS121	PRAGYAY SHARMA
167	PCE23CS122	PRAKRITI
168	PCE23CS123	PRAMOD SHARMA
169	PCE23CS124	PRANJAL JAIN
170	PCE23CS125	PRASHANT MISHRA

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1	PCE23EC001	ADITYA SANJAY TRIVEDI	Aditya
2	PCE23EC002	AKASH	Akas
3	PCE23EC003	BHANU PRATAP SINGH RATHORE	Bhanu
4	PCE23EC004	DEEPAK SHARMA	deepak me
5	PCE23EC005	HARSH AGARWAL	Harsh
6	PCE23EC006	ISHA JAYSWAL	Isha
7	PCE23EC007	JASPREET SINGH VIRDI	Jas
8	PCE23EC008	KARTIK SHARMA	Kartik
9	PCE23EC009	LAKSHIT VIJAYVARGIYA	Lakshit
10	PCE23EC010	LAXMAN SINGH	Laxman
11	PCE23EC011	LOVESH JAIN	Lovesh
12	PCE23EC012	MANJEET SINGH	manjeet
13	PCE23EC013	MIHEER SHARMA	miheer
14	PCE23EC014	MOHIT SAIN	mohit
15	PCE23EC021	MS.PRIYESHA UPADHYAY	Priyesh
16	PCE23EC015	NIKHIL OJHA	Nikhil
17	PCE23EC016	PARIDHI JAIN	Paridhi
18	PCE23EC017	PRADUMAN SINGH	Praduman
19	PCE23EC018	PRATHAM GUPTA	Pratham
20	PCE23EC019	PRAVEEN SINGH BANA	Praveen
21	PCE23EC020	PRIYANSHU PARASHAR	Priyanshu
22	PCE23EC022	SANIYA TANWAR	Saniya
23	PCE23EC023	SHASHIKANT KUSHWAHA	Shashikant
24	PCE23EC024	SHASHWAT JAIN	Shashwat
25	PCE23EC025	SHRIYA PARIHAR	Shriya
26	PCE23EC026	SIMRAN KUMARI	Simran
27	PCE23EC027	SUBHASH	Subhash
28	PCE23EC028	SUHANI MATHUR	Suhani
29	PCE23EC029	SUJAL GUPTA	Sujal
30	PCE23EC030	TUSHAR SHARMA	Tushar
31	PCE23EC031	VIDHI RAMNANI	Vidhi
32	PCE23EC032	YASHPAL SINGH CHAUHAN	Yashpal
33	PCE23EE001	AKSHAY NAMA	Akshay
34	PCE23EE002	ASHVINI POONIA	Ashwini
35	PCE23EE003	AYUSH	Ayush
36	PCE23EE004	AYUSH KUMAR	Ayush
37	PCE23EE005	DHIRAJ BANSKUWA	Dhiraj
38	PCE23EE006	HIMESH SINGHVI	Himesh
39	PCE23EE007	HITESH SAINI	Hitesh
40	PCE23EE008	JAYESH DHAKAD	Jayesh
41	PCE23EE009	KAUSHAL KUMAR	Kaushal
42	PCE23EE010	KRISHNA JANGID	Krishna

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43	PCE23EE012	MANISH BAIRWA	Manish
44	PCE23EE013	MOHAMMAD ZAKAULLAH	Mohammad
45	PCE23EE014	MOHIT SINGH SOLANKI	Mohit
46	PCE23EE015	MOHIT SINGHAL	Mohit
47	PCE23EE011	MS.LAXMI SAINI	Laxmi
48	PCE23EE024	MS.SAMRIDHI SAINI	Samridhi
49	PCE23EE027	MS.SIDDHI SAINI	Siddhi
50	PCE23EE016	PRATAP SINGH NARUKA	Pratap
51	PCE23EE017	PRINCY GARG	Princy
52	PCE23EE018	PRIYANSHU SHARMA	Priyanshu
53	PCE23EE019	RAHUL KUMAR CHOUDHARY	Rahul
54	PCE23EE020	RAVIRAJ SINGH RATHORE	Raviraj
55	PCE23EE021	ROHIT SISODIYA	Rohit
56	PCE23EE022	SACHIN MATHUR	Sachin
57	PCE23EE023	SAHIL MOTWANI	Sahil
58	PCE23EE025	SANDEEP UPADHYAY	Sandeep
59	PCE23EE026	SARWAR ALAM	Sarwar
60	PCE23EE029	SURENDRA SINGH	Surendra
61	PCE23EE030	TARUN SINGH	Tarun
62	PCE23EE031	VINAYAK SHARMA	Vinayak
63	PCE23EE032	SARABJEET SINGH	Sarabjeet
64	PCE23EE033	VISHAL SINGH	Vishal
65	PCE23CS126	PRATYUSH KUMAR GUPTA	Pratyush
66	PCE23CS127	PRERNA JANGID	Prerna
67	PCE23CS128	PRIYANSHI AGARWAL	Priyanshi
68	PCE23CS129	PRIYANSHU SHARMA	Priyanshu
69	PCE23CS130	PRIYANSHU SHARMA	Priyanshu
70	PCE23CS131	PULKIT BAROLA	Pulkit
71	PCE23CS132	PUNIT SHARMA	Punit
72	PCE23CS133	RAGHAV KAUSHIK	Raghu
73	PCE23CS134	RAHUL MARATHA	Rahul
74	PCE23CS135	RAVEENA DHAKAR	Raveena
75	PCE23CS136	RAVI KUMAR	Ravi
76	PCE23CS137	RAVI MAHAWAR	Ravi
77	PCE23CS138	RAVI RATHOR	Ravi
78	PCE23CS139	RHYTHM ANIL GOYAL	Rhythm
79	PCE23CS140	RITESH MORYA	Ritesh
80	PCE23CS141	RITU RANI	Ritu
81	PCE23CS142	RIYA DAD	Riya
82	PCE23CS143	ROHIT	Rohit
83	PCE23CS144	ROHIT KUMAR	Rohit
84	PCE23CS145	ROHIT KUMAWAT	Rohit

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S.No.	Registration No.	Name	September 26, 2023
85	PCE23CS146	RUDRAKSH MAHAWAR	Rudra
86	PCE23CS147	RUPENDER SINGH NARUKA	Rupender
87	PCE23CS148	SAHIL AGRAWAL	Sahil
88	PCE23CS149	SANIYA JODHANI	Saniya
89	PCE23CS150	SANJEEV KUMAR	Sanjeev
90	PCE23CS151	SARANSH CHAUDHARY	Saransh
91	PCE23CS152	SARTHA BISHT	Sarthak
92	PCE23CS153	SARTHA MANGAL	Sarthak
93	PCE23CS154	SARVESH AVTAR TAILOR	Sarvesh
94	PCE23CS155	SAYYED SAAWEZ ALI	Sayyid
95	PCE23CS156	SHALIN SRIVASTAVA	Shalin
96	PCE23CS157	SHANKAR KUMAR	Shankar
97	PCE23CS158	SHATAKSHI UPADHYAY	Shatakshi
98	PCE23CS159	SHIVANSH AGARWAL	Shivansh
99	PCE23CS160	SHIVANSH JANGIR	Shivansh
100	PCE23CS161	SHLOK SETH	Shlok
101	PCE23CS162	SIDDHARTH VEDWAL	Siddharth
102	PCE23CS163	SNEHA JAIN	Sneha
103	PCE23CS164	SPARSH MATHUR	Spars
104	PCE23CS165	SRIKSHI SHARMA	Srikshi
105	PCE23CS166	SUJAL SINGHAL	Sujal
106	PCE23CS167	SUMIT KUMAR AGARWAL	Sumit
107	PCE23CS168	SUNAMI AGARWAL	Sunam
108	PCE23CS169	TANISHA KUMAWAT	Tanisha
109	PCE23CS170	TANISHKA DHAKAR	Tanishka
110	PCE23CS171	TANISHKA SINGHAL	Tanishka
111	PCE23CS173	TASSVOUR REHMAN ASHRAFI	Tassvour
112	PCE23CS174	TITIKSHA SHARMA	Titiksha
113	PCE23CS175	TUSHALI JAIN	Tushali
114	PCE23CS176	UMANG SHARMA	Umang
115	PCE23CS177	VANSH AGARWAL	Vansh
116	PCE23CS178	VANSH MEHTA	Vansh
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118	PCE23CS180	VEDANT GUPTA	Vedant
119	PCE23CS181	VINAMRA SHARMA	Vinamra
120	PCE23CS182	VISHWA KHANDELWAL	Vishwa
121	PCE23CS183	YASHI KUMAWAT	Yashi
122	PCE23CS184	YASHVARDHAN SHARMA	Yashvardhan
123	PCE23CS185	YASHWANT GAHLOT	Yashwant
124	PCE23CS186	YATHARTH RATHORE	Yatharth
125	PCE23CS187	YOGESH SINGH	Yogesh
126	PCE23CS188	YUVIKA AGARWAL	Yuvika

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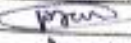
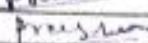
Poornima College of Engineering, Jaipur			
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127	PCE23CS189	YUVRAJ SINGH	
128	PCE23CS191	GHANIST AGRAWAL	
129	PCE23IT001	AARUSHI KHANDELWAL	
130	PCE23IT002	AASHITA BHASHANI	
131	PCE23IT003	AAYUSHI GOYAL	
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141	PCE23IT014	DHRUV GULWANSHI	
142	PCE23IT015	DHRUV PANCHOLI	
143	PCE23IT016	DISHANT HADA	
144	PCE23IT017	DIVESH SHARMA	
145	PCE23IT018	DIVYA GUPTA	
146	PCE23IT019	DIVYANSH BHARDWAJ	
147	PCE23IT020	GARIMA JODHA	
148	PCE23IT021	GARVIT GOYAL	
149	PCE23IT022	GAURAV JAIN	
150	PCE23CS105	NITESH SAINI	
151	PCE23CS106	NITIN PRAJAPAT	
152	PCE23CS107	ONIK JAIN	
153	PCE23CS108	PALAK	
154	PCE23CS109	PARTH PATIDAR	
155	PCE23CS110	PARTH VIJAY	
156	PCE23CS111	PARTH VIJAYVARGIYA	
157	PCE23CS112	PARV JAIN	
158	PCE23CS113	PAYAL AGARWAL	
159	PCE23CS114	PIYUSH BHARDWAJ	
160	PCE23CS115	PIYUSH KUMAR	
161	PCE23CS116	PIYUSH SONI	
162	PCE23CS117	PIYUSH SUTHAR	
163	PCE23CS118	PRACHI JAIN	
164	PCE23CS119	PRADARSH MITTAL	
165	PCE23CS120	PRAGYA VAISHNAV	
166	PCE23CS121	PRAGYAY SHARMA	
167	PCE23CS122	PRAKRITI	
168	PCE23CS123	PRAMOD SHARMA	

Faculty Coordinator

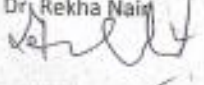
Dr. Rekha Nair

Dr. Mahesh Bundeale  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-G, FIICO Institutional Area  
Ghatapura, JAIPUR

Poornima College of Engineering, Jaipur			
"Industrial Visit"			
DATE & DURATION: September 26, 2023			
S.No.	Registration No.	Name	September 26, 2023
169	PCE23CS124	PRANJAL JAIN	
170	PCE23CS125	PRASHANT MISHRA	

Faculty Coordinator  
Dr. Rekha Nair



  
Dr. Mahesh Bunde  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-G, FIICO Institutional Area  
Ghatapada, JAIPUR

## FEEDBACK/ATTAINMENTS:

FEEDBACK ANALYSIS (2023-24)							
S.No.	Attributes	Total Feed Back					100
		>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement					
1	Did the session meet its objectives?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	Objective Achieved - Outstanding & Excellent (94.58%)
		73.20	19.59	6.19	1.00	0.00	
2	Did you find the contents useful?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	Objective Achieved - Outstanding & Excellent (82.47%)
		73.20	19.59	6.19	1.00	0.00	
3	Did it help students to enhance their skills or learnings?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	Objective Achieved - Outstanding & Excellent (84.54%)
		73.20	19.59	6.19	1.00	0.00	
4	Was the Audio Video Quality satisfactory in	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	

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	case of online sessions?	73.20	19.59	6.19	1.00	0.00	Achieved - Outstanding (83.51%)
5	Did you receive uninterrupted Connectivity in case of online sessions?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	Objective Achieved - Outstanding & Excellent (85.57%)
		73.20	19.59	6.19	1.00	0.00	
6	How do you rate this session overall?	Outstanding	Excellent	Good	Average	Satisfactory	Remark
		73.1958763	20	6.185567	1	0	All the sessions of the five years were conducted offline and online mode at the time of Covid
		73.20	19.59	6.19	1.00	0.00	
Overall Remark: - These kinds of sessions should be conducted in the future too for more awareness.							

**NOTICE:**

  
**Dr. Mahesh Bundela**  
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 Ghatapada, JAIPUR



# POORNIMA

## COLLEGE OF ENGINEERING

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • NAAC A+ Accredited

PCE/FY/DO/2023-24/

Date: 22/09/2023

### NOTICE

#### Industrial Visit

Department of 1 year is organizing Industrial Visit to Jaipur Metro & Dainik Bhaskar on, 26<sup>th</sup> September, 2023 for the students of 1 year. The students according to their batches will be informed by their respective tutors.

**Date- 26<sup>th</sup> September, 2023**

**Venue- Jaipur Metro & Dainik Bhaskar**

The students are required to be present for the same.

**Dr. Rekha Nair**  
Dean (First Year)

Poornima College of Engineering, Jaipur

ISI-6, RIICO Institutional Area, Sitapura, Jaipur - 302 022 (Rajasthan)  
Phone : +91-9829255102, E-mail : registrar.pce@poornima.org, Website : www.poornima.org

**Dr. Mahesh Bunde**  
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### A REPORT ON “Air Force 5G Lab Station”

**TITLE AND DURATION:** “Air Force 5G Lab Station” on February 27, 2024

**SPONSORS & SUPPORTERS:** -

**ORGANIZED BY:** Department of Electronics & Communication Engineering

#### ♦ **LEARNING OUTCOME**

LO1 - Students will deepen their understanding of 5G technology through hands-on experience and guided tours of the Air Force Station 5G lab.

LO2- Students will have the opportunity to witness cutting-edge research and development projects underway at the Air Force Station 5G lab.

LO3- Students will learn about the specific applications of 5G technology in the military context, including communication systems, surveillance, autonomous vehicles, and battlefield operations.

LO4 - Students will have the opportunity to network with professionals, researchers, and practitioners in the field of 5G technology during the industrial visit.

#### ♦ **MAPPINGS WITH PO**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	-	-	-	-	-	-	-	-	-	-	-
CO2	-	-	-	-	-	-	-	-	-	3	-	-
CO3	-	3	-	-	-	-	-	-	-	-	-	-
CO4					-	-	-	-	-	3	-	-

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## NOTICE



# POORNIMA

## COLLEGE OF ENGINEERING

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PCE/EC/2023-24

Date: 26-02-2024

### NOTICE

#### Department of Electronics and Communication

It is to inform you all that Department of Electronics and Communication Engineering is organizing Industrial Visit at “**Air Force 5G Lab Station**” on **27 February, 2024**. It is mandatory to attend for Faculty, Technical Staff, students.

Time :- 8.00A.M to 3.00 P.M

Venue:- Air Force 5G Lab Station

Dr. Garima Mathur

Head, Department of Electronics and Communication Engineering

CC:

- To All Concerned
- To Department Notice Board

**Dr. Mahesh Bunde**  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
131-0, FIICO Institutional Area  
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## EVENT POSTER



### ♦ About Air force Station Jaipur : 759 Signal Unit

To provide reliable, secure and uninterrupted communication network in Rajasthan and Gujarat sector, a survey for installation of a communication relay station between Delhi and Jodhpur was carried out by RCPO in the early 1970s. Finally a site on Arawali hills on the outskirts of Jaipur was chosen for setting up of the relay station. To provide a suitable administrative support to the equipment installation site, the administrative control station was selected close to Jaipur city. The foundation stone of the Units was laid on 12 Nov 74 by Shri Haridev Joshi, the then Chief Minister of Rajasthan. The first commanding officer of the Units took over the command on 26 May 77. However, the Units attained operational status in 1979. The role of the Units is to ensure an effective and uninterrupted communication between Delhi and Jodhpur and also act as a relay center for providing transmitting/receiving facilities to and from the peripheral Units and adjacent hub centers.

  
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## • DETAILS OF TECHNOLOGICAL / PRACTICAL LEARNINGS:

- **5G Technology Understanding:** The lab offer in-depth insights into the technical aspects of 5G technology, including its architecture, protocols, and functionalities.
- **Network Deployment and Optimization:** Participants would learn about the deployment strategies for 5G networks, including site planning, antenna placement, and network optimization techniques to ensure optimal performance and coverage.
- **Security and Privacy:** The lab emphasize the importance of security and privacy in 5G networks. Participants would learn about potential vulnerabilities and mitigation strategies to safeguard sensitive data and communications.
- **Testing and Evaluation:** The lab provide hands-on experience with testing and evaluating 5G equipment and solutions. This include performance testing, interoperability testing, and compliance testing to ensure adherence to standards and specifications.

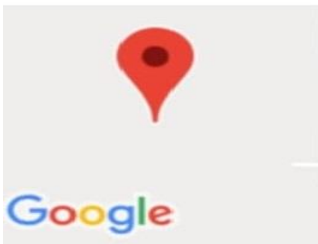
Overall, the 5G lab at the Indian Air Force serve as a center of excellence for advancing knowledge, skills, and capabilities in 5G technology, with a focus on meeting the unique requirements and challenges of defense applications.

  
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Sitapura, JAIPUR

## GLIMPSES:



GPS Map Camera



### Jaipur Division, Rajasthan, India

Poornima College, Poornima Marg, Sitapura, Jaipur, Rajasthan

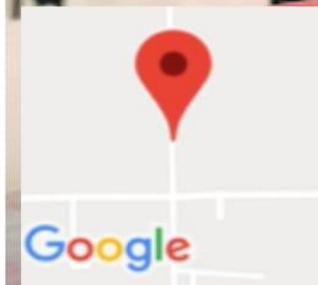
Long 75.853595°

Lat 26.765647°

27/2/2024 10:26 AM



GPS Map Camera



### Jaipur Division, Rajasthan, India

1417 Gujarghati Parasrampuri Jaipur Rajasthan 302002, India

Long 75.84252°

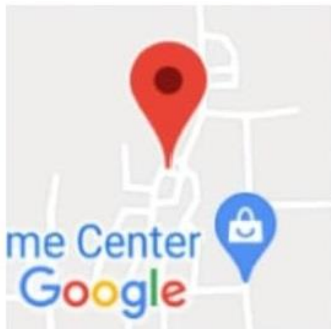
Lat 26.96022°

27/2/2024 11:49 AM

**Dr. Mahesh Bunde**  
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GPS Map Camera



## Jaipur Division, Rajasthan, India

Air Force Station Nahargarh Jaipur , Rajasthan, India

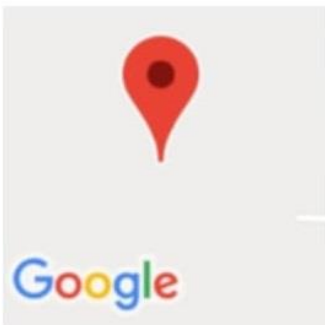
Long 75.84252°

Lat 26.96022°

27/2/2024 01:45 PM



GPS Map Camera



## Jaipur Division, Rajasthan, India

Air Force Station Nahargarh , Jaipur, Rajasthan, India

Long 75.84252°

Lat 26.96022°

27/2/2024 02:10 PM

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GPS Map Camera



**Jaipur Division, Rajasthan, India**

Air Force Station Nahargarh, Rajasthan, India

Long 75.84252°

Lat 26.96022°

27/2/2024 02:44 PM

**Figure:** Group photograph during industrail visit

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Sitapura, JAIPUR

**STUDENT DETAILS:****Poornima College of Engineering**

Department of Electronics &amp; Communication

Session 2023-24

**Participant Sheet**

Date- 27 February, 2024

**EVENT : Industrial Visit- Indian Air force 5G Lab Station**

Sr. No	Name of the Student	Enrolment ID
1	ABHINANDAN BHATT	PCE22EC002
2	ABHISHEK KUMAR	PCE22EC003
3	ADARSH KUMAR SINGH	PCE22EC001
4	ADITYA SOMRA	PCE22EC004
5	ADITYA TOSHNIWAL	PCE22EC005
6	AJAY KUMAR SONI	PCE22EC006
7	ANIL BAIRWA	PCE22EC025
8	CHAUHAN NITIN RAJESH SINGH	PCE22EC026
9	CHIRAG JAIN	PCE22EC007
10	DEEPAK DEWATWAL	PCE22EC008
11	DEV SAINI	PCE22EC009
12	DEVENDRA KUMAR SUTHAR	PCE22EC010
13	DHARMRAJ KUMAR	PCE22EC011
14	DIVYAM SETHI	PCE22EC027
15	GAURAV SHARMA	PCE22EC012
16	GAUTAM SAIN	PCE22EC013
17	HANSIKA SAXENA	PCE22EC014
18	HARDIK AJMERA	PCE22EC015
19	KARTIK JAIN	PCE22EC016
20	KRISHAN KANT JANGID	PCE22EC017
21	KUNAL SUHANSIYA	PCE22EC028
22	LOKESH SINGH	PCE22EC018
23	MADHUSUDHAN SINGH	PCE22EC019
24	MOHD SAHIL KHAN	PCE22EC020
25	MS ANUSHKA CHHIPA	PCE22EC021
26	MS SHRUTI AGARWAL	PCE22EC022
27	MUKUL	PCE22EC023
28	RAJWANT	PCE22EC029
29	SHREYA JAIN	PCE22EC024
30	TUSHAR TAILOR	PCE22EC030
31	VINAY PRATAP SINGH MEENA	PCE22EC031
32	DIVANSH JANGID	PCE23EC800
33	ANSHUL KUMAR JAIN	PCE20EC034
34	ANUSHKA PATEL	PCE20EC035
35	ASHISH KUMAR .	PCE20EC036
36	BHANU SHARMA	PCE20EC037
37	MEENA ASHWINI SEETARAM	PCE20EC038

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38	NIKHIL CHOUHAN	PCE20EC008
39	NISHANT SINGH	PCE20EC702
40	PARIHAR HITESH RAMESH	PCE20EC011
41	SURAJ CHAUHAN	PCE20EC012
42	SUSHANK KUMAR	PCE20EC009
43	TARUN VERMA	PCE20EC010
44	TRIPTI JAIN	PCE20EC006
45	APARNA S KUMAR	PCE21EC800
46	ABHAY KHANDELWAL	PCE21EC001
47	ABHISHEK SINGH RAJAWAT	PCE21EC002
48	AVINASH KUMAR .	PCE21EC003
49	BHAWANA SAHANI	PCE21EC004
50	DEVVRATH SINGH	PCE21EC005
51	HARSH KUMAR	PCE21EC006
52	KAMLESH .KUMAWAT	PCE21EC007
53	KASHMI CHOUDHARY	PCE21EC510
54	LOKESH KUMAR .DHAKER	PCE21EC009
55	LOKESH KUMAWAT	PCE21EC010
56	MD ARIF ALAM	PCE21EC023
57	MOHD DAUD QURESHI	PCE21EC011
58	PRIYANSH BAIRWA	PCE21EC012
59	PRIYANSHU SONI	PCE21EC013
60	RAGINI KUMARI	PCE21EC024
61	RAJEEV KUMAR BAG	PCE21EC014
62	RAJENDRA SOLANKI	PCE21EC015
63	RAMAKANT SHARMA	PCE21EC016
64	SAHIL ARORA	PCE21EC017
65	TAMNNA AMERI	PCE21EC020
66	YASH VARDHAN SINGH SOLANKI	PCE21EC022

### Details of Faculty Visiting to Air Force Station Jaipur

S. No.	NAME OF THE ESCORT PERSON	GEN DER	APPOINTMENT	College id no	AADHAR NO
1	DR. GARIMA MATHUR	F	PROFESSOR	4961	215032814175
2	DR RAJESH KUMAR BATHIJA	M	PROFESSOR	7489	457350170853
3	DR MEETU NAG	F	ASSOCIATE PROFESSOR	1165	477966544324
4	DURGESH KUMAR	M	ASSISTANT PROFESSOR	1131	670909612397

  
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 Sitapura, JAIPUR

# ATTENDANCE SHEET

**Poornima College of Engineering**  
Department of Electronics & Communication  
Session 2023-24  
**Attendance Sheet**

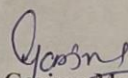
Date- 27 February, 2024


EVENT : Industrial Visit- Indian Air force 5G Lab Station

Sr. No	Name of the Student	Enrolment ID	Signature
1	ABHINANDAN BHATT	PCE22EC002	Abhinandan
2	ABHISHEK KUMAR	PCE22EC003	Abhishek
3	ADARSH KUMAR SINGH	PCE22EC001	Adarsh
4	ADITYA SOMRA	PCE22EC004	Aditya
5	ADITYA TOSHNIWAL	PCE22EC005	Aditya
6	AJAY KUMAR SONI	PCE22EC006	Ajay
7	ANIL BAIRWA	PCE22EC025	Anil
8	CHAUHAN NITIN RAJESH SINGH	PCE22EC026	Nitin
9	CHIRAG JAIN	PCE22EC007	Chirag
10	DEEPAK DEWATWAL	PCE22EC008	Deepak
11	DEV SAINI	PCE22EC009	Dev
12	DEVENDRA KUMAR SUTHAR	PCE22EC010	Devendra
13	DHARMRAJ KUMAR	PCE22EC011	Dharmraj
14	DIVYAM SETHI	PCE22EC027	Divyam
15	GAURAV SHARMA	PCE22EC012	Gaurav
16	GAUTAM SAIN	PCE22EC013	Gautam
17	HANSIKA SAXENA	PCE22EC014	Hansika
18	HARDIK AJMERA	PCE22EC015	Hardik
19	KARTIK JAIN	PCE22EC016	Kartik
20	KRISHAN KANT JANGID	PCE22EC017	Krishan
21	KUNAL SUHANSIYA	PCE22EC028	Kunal
22	LOKESH SINGH	PCE22EC018	Lokesh
23	MADHUSUDHAN SINGH	PCE22EC019	Madhusudhan
24	MOHD SAHIL KHAN	PCE22EC020	Sahil
25	MS ANUSHKA CHHIPA	PCE22EC021	Anushka
26	MS SHRUTI AGARWAL	PCE22EC022	Shruti
27	MUKUL	PCE22EC023	Mukul
28	RAJWANT	PCE22EC029	Rajwant
29	SHREYA JAIN	PCE22EC024	Shreya
30	TUSHAR TAILOR	PCE22EC030	Tushar
31	VINAY PRATAP SINGH MEENA	PCE22EC031	Vinay
32	DIVANSH JANGID	PCE23EC800	Divansh
33	ANSHUL KUMAR JAIN	PCE20EC001	Anshul
34	ANUSHKA PATEL	PCE20EC002	Anushka
35	ASHISH KUMAR .	PCE20EC003	Ashish
36	BHANU SHARMA	PCE20EC004	Bhanu
37	MEENA ASHWINI SEETARAM	PCE20EC005	Ashwini
38	NIKHIL CHOUHAN	PCE20EC008	Nikhil
39	NISHANT SINGH	PCE20EC702	Nishant

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40	PARIHAR HITESH RAMESH	PCE20EC011	Hitesh R.
41	SURAJ CHAUHAN	PCE20EC012	Suraj C.
42	SUSHANK KUMAR	PCE20EC009	Sushank K.
43	TARUN VERMA	PCE20EC010	Tarun V.
44	TRIPTI JAIN	PCE20EC006	Tripti Jain
45	APARNA S KUMAR	PCE21EC800	Aparna S.
46	ABHAY KHANDELWAL	PCE21EC001	Abhay K.
47	ABHISHEK SINGH RAJAWAT	PCE21EC002	Abhishek R.
48	AVINASH KUMAR .	PCE21EC003	Avinash K.
49	BHAWANA SAHANI	PCE21EC004	Bhawana S.
50	DEVVRATH SINGH	PCE21EC005	Devvrath S.
51	HARSH KUMAR	PCE21EC006	Harsh K.
52	KAMLESH .KUMAWAT	PCE21EC007	Kamlesh K.
53	KASHMI CHOUDHARY	PCE21EC510	Kashmi C.
54	LOKESH KUMAR .DHAKER	PCE21EC009	Lokesh K.
55	LOKESH KUMAWAT	PCE21EC010	Lokesh K.
56	MD ARIF ALAM	PCE21EC023	MD Arif
57	MOHD DAUD QURESHI	PCE21EC011	Mohd Daud
58	PRIYANSH BAIRWA	PCE21EC012	Priyansh B.
59	PRIYANSHU SONI	PCE21EC013	Priyanshu S.
60	RAGINI KUMARI	PCE21EC024	Ragini K.
61	RAJEEV KUMAR BAG	PCE21EC014	Rajeev K.
62	RAJENDRA SOLANKI	PCE21EC015	Rajendra S.
63	RAMAKANT SHARMA	PCE21EC016	Ramakant S.
64	SAHIL ARORA	PCE21EC017	Sahil A.
65	TAMNNA AMERI	PCE21EC020	Tamnna A.
66	YASH VARDHAN SINGH SOLANKI	PCE21EC022	Yash V.

  
 Dr. Garima Mathur  
 Name & Signature  
 Event Coordinatore

  
 Dr. Mahesh Bundele  
 B.E., M.E., Ph.D.  
 Director  
 Poornima College of Engineering  
 131-0, RICO Institutional Area  
 Shalpur, JAIPUR

## FEEDBACK ANALYSIS:

Feedback was taken from the participants on the following attributes.

The analysis is presented below;

WebinarOrganizedbytheDepartmentofElectronicsandCommunicationEngineering,PCE			
	Attributes	Comments	No.Of Comment
Progr am	Organizing level	Excellent	35
		V. Good	20
		Good	8
		Poor	2
TES T	Relevance	Excellent	38
		V. Good	6
		Good	15
		Poor	6
	Depth	Excellent	54
		V.Good	6
		Good	4
		Poor	1
	Interest	Excellent	37
		V. Good	10
		Good	14
		Poor	4
INTERVIEWER	Knowledge	Excellent	45
		V. Good	15
		Good	3
		Poor	2
	Response to questions	Excellent	41
		V. Good	15
		Good	2
		Poor	7
	Delivery	Excellent	54
		V. Good	6
		Good	5
		Poor	0
Overall understanding of concepts		Excellent	36
		V. Good	9
		Good	8
		Poor	2
Would you like to attend similar activity in future?		Yes	55
		No	10
Suggestions		This type of Practical exposure should be arranged frequently.	

  
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# POORNIMA

## COLLEGE OF ENGINEERING

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### A REPORT ON INDUSTRY VISIT AT NBC

**TITLE AND DURATION:** INDUSTRY VISIT AT “NBC” on MAY 28, 2024.

**ORGANIZER(S):** Department of Mechanical Engineering, Poornima College of Engineering, Jaipur.

### **EXPECTED OUTCOMES:**

Activity-1.1	Student will be able to enhance the knowledge of manufacturing.
Activity-1.2	Student will be able to recognize the Working Scenario for Mechanical Engineers in manufacturing.
Activity-1.3	Student will be able to analyse the working in the field of manufacturing as a Mechanical Engineer.

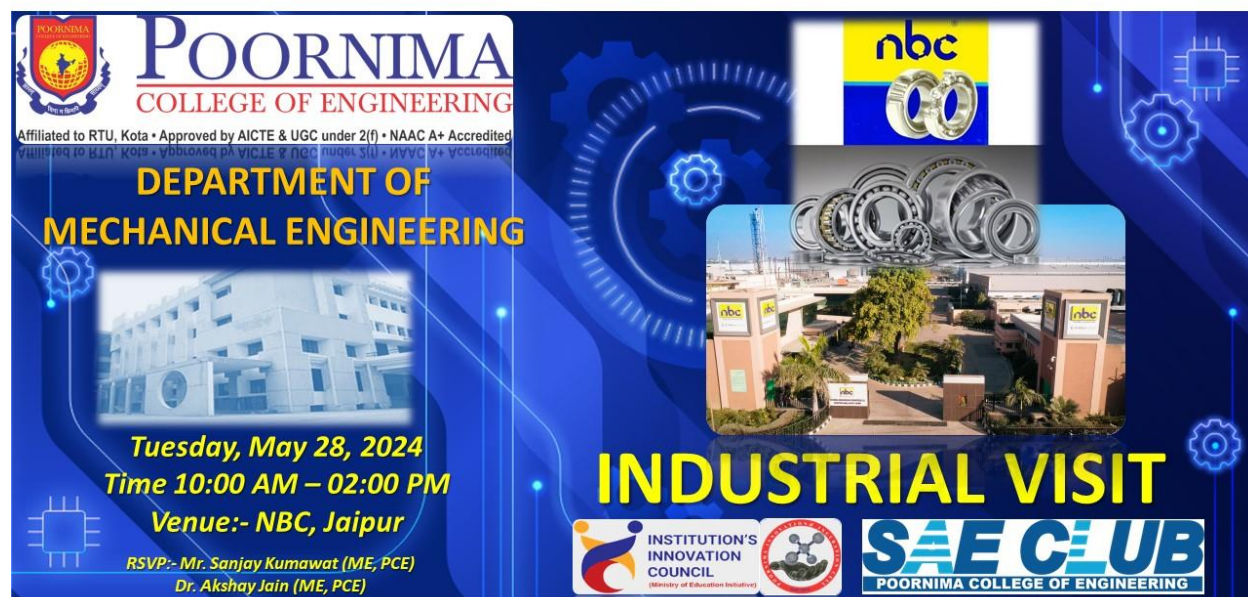
### **MAPPINGS WITH PO&PSO:**

**CO-PO-PSO Mapping: Mapping Levels: 1- Low, 2- Moderate, 3-Strong**

CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	-	3	-	-	-	-	-	-	2	3	2
CO2	-	-	-	-	-	-	-	-	3	-	-	-	2	3	2
CO3	-	-	-	-	-	-	-	-	-	-	-	3	2	3	2

  
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## FLYER / POSTER:



## BRIEF INTRODUCTION ABOUT THE COMPANY:

Founded in 1946, National Engineering Industries Ltd (NEI), is a part of the CK Birla group and manufacturer of the NBC brand of bearings. CK Birla Group is today a 2.9bn USD diversified conglomerate with over 30,000 employees and 50 manufacturing facilities across India and overseas. Enabling sustainability by making movement more efficient, NEI is India's leading manufacturer and exporter of bearings with manufacturing capacity of 250 Mn bearings annually in over 3100+ variants for application across automotive, railways, aerospace and industrial segments to serve customers in more than 30 countries. It also serves the Indian aftermarket through a countrywide network of over 550 authorized stockists and thousands of retailers. Headquartered in Jaipur, NEI is the only bearing manufacturer in the world to win the prestigious Deming Grand Prize (2015). With an employee strength of over 2,800 and five manufacturing plants in Jaipur (2), Newai (Rajasthan), Manesar (Haryana) and Vadodara (Gujarat), NEI is equipped with global manufacturing and process technology and has one of the best R&D centres in India. Apart from being technologically advanced, the company practices methods of sustainability by using alternate sources of energy and increasing the efficiency of the manufacturing process by leveraging on the power of digitization. In 2020 National Engineering Industries Ltd, acquired Kinex bearings in Europe through its subsidiary

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NBC Global Ag, to enhance, diversify and provide best-in-class products to its existing and potential customers. In 2022, NBC Global Ag opened it's Global Technology Centre in Germany to support innovation and provide support to NEI's global growth.

- AUTOMOTIVE -Leading supplier to automotive OEMs and aftermarket with a wide range of products and services.
- RAILWAYS-Partnering Railways around the world with bearings for Locomotives, Wagons and Coaches
- INDUSTRIAL-Catering to diverse industries from Power, Steel, Cement to Electric motor, Switchgears and Mining.
- AEROSPACE- Serving the bearing requirement for Aerospace Industry

## **BRIEF OF THE SESSION:**

### **. Bearing Manufacturing Process:**

The manufacturing process of bearings is a fascinating journey that involves precision engineering, advanced technologies, and meticulous attention to detail. In this comprehensive guide, we'll take you through each step of the typical bearing manufacturing process, from the selection of raw materials to the assembly of precision components. Whether you're a seasoned industry professional or a curious student of mechanical engineering, join us as we delve into the intricacies of bearing production and explore the technologies driving innovation in this critical sector.

**Overview:** The manufacturing process of bearings begins with the careful selection of raw materials and progresses through various stages of machining, heat treatment, and assembly. Each step is critical to ensuring the final product meets stringent quality standards and delivers optimal performance in a wide range of applications.

### **Step 1: Raw Material Selection:**

The quality and performance of bearings depend largely on the raw materials used in their construction. Bearing manufacturers typically use high-quality alloy steels, such as chrome steel (53100), stainless steel, or ceramic materials, selected for their excellent wear resistance, hardness, and fatigue strength.

### **Step 2: Bar Stock Cutting:**

Once the raw materials are selected, the manufacturing process begins with bar stock cutting. This involves cutting cylindrical bars of steel or other materials into smaller pieces, known as blanks, that will serve as the starting material for the bearing components.

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### **Step 3: Forging Or Turning**

Depending on the bearing type and design, the blanks may undergo forging or turning processes to achieve the desired shape and dimensions. Forging involves shaping the blanks under high pressure and temperature to improve the material's strength and structure, while turning uses precision machining techniques to achieve precise dimensions and surface finishes.

### **Step 4: Turning And Grinding**

Turning and grinding are essential processes in bearing manufacturing, where the blanks are further refined to meet tight tolerances and surface finish requirements. Turning involves machining the outer and inner ring surfaces to achieve precise dimensions and concentricity, while grinding utilizes abrasive wheels to achieve the required surface finish and roundness.

### **Step 5: Assembly:**

Once the individual bearing components are machined to specification, they are assembled into complete bearing units. This assembly process may involve press-fitting the inner and outer rings onto the rolling elements, installing cages or retainers, and applying seals or shields to protect the bearings from contaminants.

### **Step 6: Lubrication:**

Lubrication plays a critical role in ensuring smooth operation and extending the lifespan of bearings. During the manufacturing process, bearings are lubricated with high-quality lubricants, such as grease or oil, to reduce friction, dissipate heat, and protect against wear and corrosion.

### **Advanced Technologies in Bearing Manufacturing**

In addition to traditional machining and assembly techniques, bearing manufacturers are increasingly incorporating advanced technologies such as CNC machining, robotic automation, and digital inspection systems to improve efficiency, precision, and quality control in the manufacturing process.

These technologies enable faster production cycles, tighter tolerances, and enhanced product consistency, ensuring that bearings meet the demanding requirements of modern industrial applications.

### **Assembly Automation in Bearing Manufacturing:**

Assembly automation plays a crucial role in streamlining the production of various bearing types. Automated assembly systems utilize robotics, conveyors, and vision systems to efficiently assemble bearing components with high speed, accuracy, and repeatability. By automating repetitive tasks and minimizing human intervention, assembly automation improves productivity, reduces labor costs, and ensures consistent product quality.

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## GLIMPSES:



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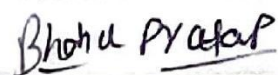
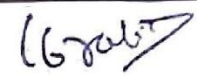

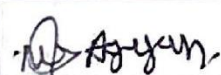
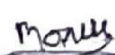
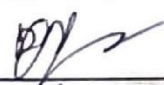
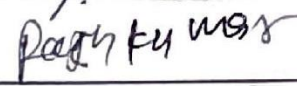
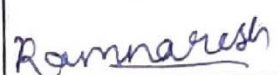
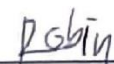



## LIST OF PARTICIPANTS & ATTANDANCE:

<b>Poornima College of Engineering, Jaipur</b>			
<b>Department of Mechanical Engineering</b>			
<b>NBC- Industrial Visit- Even Sem 2023-24 (Tuesday- 28 May- 2024)</b>			
<b>Sr. No.</b>	<b>Year</b>	<b>Name</b>	<b>Registration No.</b>
1	Faculty	Dr. Aksahy Jain	NA
2	Faculty	M. Sanjay Kumawat	NA
3	3rd Year	AYUSH SAXENA	PCE31ME001
4	3rd Year	BHANU PRATAP	PCE31ME002
5			
6	3rd Year	HARSH KUMAWAT	PCE31ME004
7	3rd Year	IBRAHIM .	PCE31ME006
8	3rd Year	JAYANT SONI	PCE31ME007
9	3rd Year	MOHAMMAD AYYAN	PCE31ME008
10	3rd Year	MOHIT JOSHI	PCE31ME009
11	3rd Year	MONU YADAV	PCE31ME010
12	3rd Year	PRIYA .	PCE31ME011
13	3rd Year	RAJU KUMAR	PCE31ME013
14	3rd Year	RAJVEER SINGH	PCE31ME014
15	3rd Year	RAMNARESH MATWA	PCE31ME016
16	3rd Year	ROBIN SINGH	PCE31ME017
17	3rd Year	SULABH SAXENA	PCE31ME020
18	3rd Year	TANMAY JANGID	PCE31ME031
19	3rd Year	UTKARSH AGRAWAL	PCE31ME022
20	3rd Year	VIVEK BAIRWA	PCE31ME023
31	3rd Year	ASHISH KUSHWAH	PCE22ME801
22	2nd Year	ABHINAV ANAND	PCE22ME002
23	2nd Year	ABHISHEK ANAND	PCE22ME003
24	2nd Year	ABHISHEK YADAV	PCE22ME004
25	2nd Year	ANIL KUMAR MEENA	PCE22ME005
26	2nd Year	ANIL SINGH	PCE22ME006
27	2nd Year	ASHISH KUMAR	PCE22ME007

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28	2nd Year	BHUVNESH SARASWAT	PCE22ME008
29	2nd Year	GAURAV JANGID	PCE22ME009
30	2nd Year	HEERA LAL	PCE22ME010
31	2nd Year	HITESH PANWAR	PCE22ME011
32	2nd Year	KARTIKEY SINGH	PCE22ME013
33	2nd Year	NITIN	PCE22ME015
34	2nd Year	RAJPUT ANIL NANDKISHOR	PCE22ME016
35	2nd Year	RISHI RAJ SAINI	PCE22ME017

Poornima College of Engineering, Jaipur				
Department of Mechanical Engineering				
NBC- Industrial Visit- Even Sem 2023-24 (Tuesday- 28 May- 2024)				
Sr. No.	Year	Name	Registration No.	Sign
1	Faculty	Dr. Akshay Jain	NA	
2	Faculty	M. Sanjay Kumawat	NA	
3	3rd Year	AYUSH SAXENA	PCE21ME001	
4	3rd Year	BHANU PRATAP	PCE21ME002	
5	3rd Year	FARHAN KHAN	PCE21ME003	ABSENT
6	3rd Year	HARSH KUMAWAT	PCE21ME004	ABSENT
7	3rd Year	IBRAHIM .	PCE21ME006	
8	3rd Year	JAYANT SONI	PCE21ME007	
9	3rd Year	MOHAMMAD AYYAN	PCE21ME008	
10	3rd Year	MOHIT JOSHI	PCE21ME009	ABSENT
11	3rd Year	MONU YADAV	PCE21ME010	
12	3rd Year	PRIYA .	PCE21ME011	
13	3rd Year	RAJU KUMAR	PCE21ME013	
14	3rd Year	RAJVEER SINGH	PCE21ME014	ABSENT
15	3rd Year	RAMNARESH MATWA	PCE21ME016	
16	3rd Year	ROBIN SINGH	PCE21ME017	
17	3rd Year	SULABH SAXENA	PCE21ME020	

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18	3rd Year	TANMAY JANGID	PCE21ME021	Tanmay
19	3rd Year	UTKARSH AGRAWAL	PCE21ME022	Utkarsh
20	3rd Year	VIVEK BAIRWA	PCE21ME023	ABSENT
21	3rd Year	ASHISH KUSHWAH	PCE22ME001	Ashish Kushwah
22	2nd Year	ABHINAV ANAND	PCE22ME002	Abhinav
23	2nd Year	ABHISHEK ANAND	PCE22ME003	Abhishek Anand
24	2nd Year	ABHISHEK YADAV	PCE22ME004	Abhishek Yadav
25	2nd Year	ANIL KUMAR MEENA	PCE22ME005	Anil
26	2nd Year	ANIL SINGH	PCE22ME006	Anil
27	2nd Year	ASHISH KUMAR	PCE22ME007	Ashish
28	2nd Year	BHUVNESH SARASWAT	PCE22ME008	Bhuvnesh
29	2nd Year	GAURAV JANGID	PCE22ME009	Gaurav
30	2nd Year	HEERA LAL	PCE22ME010	Heera Lal
31	2nd Year	HITESH PANWAR	PCE22ME011	ABSENT
32	2nd Year	KARTIKEY SINGH	PCE22ME013	ABSENT
33	2nd Year	NITIN	PCE22ME015	Nitin
34	2nd Year	RAJPUT ANIL NANDKISHOR	PCE22ME016	Rajput Anil
35	2nd Year	RISHI RAJ SAINI	PCE22ME017	Rishi

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## FEEDBACK ANALYSIS:

SESSION FEEDBACK ANALYSIS								
Sr.no.	Attributes	Total Feed Back	Total Feed Back- 31					
			>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement					
1	Do you think session was useful for you?	31	Yes	No	Partial	---	---	Remark
			30	0	1	0	0	Objective Achieved (96.77%)
			96.77	0.00	3.23	0.00	0.00	
2	Did you receive all the information you expected by the session?	31	Yes	No	Partial	---	---	Remark
			30	0	1	0	0	Objective Achieved (96.77%)
			96.77	0.00	3.23	0.00	0.00	
3	Opinion on Rating the trainer for the session	31	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			30	1	0	0	0	Objective Achieved - Outstanding & Excellent (96.77%)
			96.77	3.23	0.00	0.00	0.00	
4	Audience Query Response by the trainer	31	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			30	1	0	0	0	Objective Achieved (96.77%)
			96.77	3.23	0.00	0.00	0.00	
5	Overall experience about the Session	31	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			31	0	0	0	0	Objective Achieved - Outstanding (100%)
			100.00	0.00	0.00	0.00	0.00	
6	Would you like to attend future training session conducted by the department.	31	Yes	No	---	---	---	Remark
			31	0	0	0	0	Objective Achieved (100%)
			100.00	0.00	0.00	0.00	0.00	

  
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## Notice



PCE/ME/DO/2023-24/19

Date: 21-05-2024

## NOTICE

An industrial visit at “NBC Jaipur” is being organized by the Department of Mechanical Engineering on **November 8, 2023**. The activity will be held at as per the following schedule.

**Date** : 28, May 2024  
**Activity Name** : An industrial visit at “NBC Jaipur”  
**Venue** : NBC Jaipur  
**Time** : 9AM onwards

The students are required to be present at the venue on time. For further query you may contact the Faculty Coordinator Dr. Akshay Jain and Mr. Sanjay Kumawat.

Dr. N. L. Jain

HoD, ME

ISI-6, RIICO Institutional Area, Sitapura, Jaipur: 302 022 (Rajasthan)  
Phone: +91-9829255102, E-mail: registrar.pce@poornima.org, Website: www.poornima.org

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# POORNIMA

## COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

### A REPORT ON INDUSTRY VISIT AT GENUS POWER INFRASTRUCTURES LTD.

**TITLE AND DURATION:** INDUSTRY VISIT AT “GENUS POWER  
INFRASTRUCTURES LTD.” ON NOVEMBER 8, 2023.

**ORGANIZER(S):** Department of Mechanical Engineering, Poornima College of Engineering,  
Jaipur.

#### **EXPECTED OUTCOMES:**

Activity-1.1	Student will be able to enhance the knowledge of manufacturing.
Activity-1.2	Student will be able to recognize the Working Scenario for Mechanical Engineers in manufacturing.
Activity-1.3	Student will be able to analyse the working in the field of manufacturing as a Mechanical Engineer.

#### **MAPPINGS WITH PO&PSO:**

**CO-PO-PSO Mapping: Mapping Levels: 1- Low, 2- Moderate, 3-Strong**

CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	-	-	-	-	3	-	-	-	-	-	-	2	3	2
CO2	-	-	-	-	-	-	-	-	3	-	-	-	2	3	2

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Ghatapada, JAIPUR

CO3	-	-	-	-	-	-	-	-	-	-	-	3	2	3	2
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

### FLYER / POSTER:



### BRIEF INTRODUCTION ABOUT THE COMPANY:

Genus Innovation Limited is a public company which was founded in the year 1998. It has a company size of 501-1,000 employees. Genus is an electronic industry and their headquarter is situated in spl 2B RIICO INDUSTRIAL AREA SITAPURA JAIPUR

Jaipur, Rajasthan 302 022.

Genus Innovation is an important part of the esteemed Kailash Group, worth USD 400 million. We design, develop and manufacture various eco-friendly solar power products such as Solar Inverters, Solar Panels, Solar Power Conditioning Units, Batteries and more.

Our high-capacity inverters feature our proprietary software technology, Auto Sense Intelligent Control or ASIC, and run on superior DSP chips. ASIC enhances battery life.

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Director  
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Sitapura, JAIPUR

operation, diminishes electricity bills, provides maximum power backup, is eco-friendly, and ensures fast charging.

Our advanced manufacturing facilities in Haridwar and Jaipur, and our vast network of 2000 distributors and 7000 dealers, help us manufacture and supply cutting-edge products to public and private establishments.

Their inverter batteries Varieties are Genus Hallaboll GTT170 150 AH Tall Tubular Inverter Battery for Home and Office, Genus Hallaboll GTT250 220 AH Tall Tubular Battery, Genus Carbon GCT265 Tall Tubular 240 AH Inverter Battery for Home and Office, 60 Months Warranty with Nano Technology, 165AH Inverter Battery by Genus - GTT200 Hallaboll Tall Tubular with 72-Month Warranty - Best Choice for Big Home, Office & Shops – Recyclable, etc.

Our parent company, Genus Power, is the biggest meter-manufacturing company in India and has already installed millions of meters throughout India. Chances are the meter outside your home is one manufactured by Genus, go check? They also design, develop and manufacture various eco-friendly solar power products such as Solar Inverters, Solar Panels, Solar Power Conditioning Units, Batteries, and more. Certifications like ISO 9001, 14001 & 50001, TUV, BIS, IEC, UL, and CMMI Level 3 have cemented our position in the power industry.

### **Some Glimpses of Industrial Visit**



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Director  
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131-D, FIICO Institutional Area  
Sitapura, JAIPUR



## List of Participants & Attendance sheet

3rd Year	AYUSH SAXENA	PCE21ME001	Ayush Saxena
3rd Year	BHANU PRATAP	PCE21ME002	Bhanu Pratap
3rd Year	FARHAN KHAN	PCE21ME003	ABSENT
3rd Year	HARSH KUMAWAT	PCE21ME004	ABSENT
3rd Year	IBRAHIM .	PCE21ME006	Ibrahim
3rd Year	JAYANT SONI	PCE21ME007	Jayant Soni
3rd Year	MOHAMMAD AYYAN	PCE21ME008	Mohammad Ayyan
3rd Year	MOHIT JOSHI	PCE21ME009	ABSENT
3rd Year	MONU YADAV	PCE21ME010	Monu
3rd Year	PRIYA .	PCE21ME011	Priya
3rd Year	RAJU KUMAR	PCE21ME013	Raju Kumar
3rd Year	RAJVEER SINGH	PCE21ME014	ABSENT
3rd Year	RAMNARESH MATWA	PCE21ME016	Ramnaresh
3rd Year	ROBIN SINGH	PCE21ME017	Robin
3rd Year	SULABH SAXENA	PCE21ME020	Sulabh Saxena
3rd Year	TANMAY JANCHI	PCE21ME021	Tanmay
3rd Year	UTKARSH AGRAWAL	PCE21ME022	Utkarsh
3rd Year	VIVEK BAIRWA	PCE21ME023	ABSENT
3rd Year	ASHISH KUSHWAH	PCE22ME001	Ashish

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## FEEDBACK ANALYSIS:

SESSION FEEDBACK ANALYSIS								
Sr.no.	Attributes	Total Feed Back	Total Feed Back- 21					
			>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement					
1	Do you think session was useful for you?	21	Yes	No	Partial	---	---	Remark
			20	0	1	0	0	Objective Achieved
			95.23	0.00	4.77	0.00	0.00	(95.23%)
2	Did you receive all the information you expected by the session?	21	Yes	No	Partial	---	---	Remark
			20	0	1	0	0	Objective Achieved
			95.23	0.00	4.77	0.00	0.00	(95.23%)
3	Opinion on Rating the trainer for the session	21	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			20	1	0	0	0	Objective Achieved -
			95.23	4.77	0.00	0.00	0.00	Outstanding & Excellent (95.23%)
4	Audience Query Response by the trainer	21	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			20	1	0	0	0	Objective Achieved
			95.23	4.77	0.00	0.00	0.00	(95.23%)
5	Overall experience about the Session	21	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			21	0	0	0	0	Objective Achieved -
			100.00	0.00	0.00	0.00	0.00	Outstanding (100%)
6	Would you like to attend future training session conducted by the department.	21	Yes	No	---	---	---	Remark
			21	0	0	0	0	Objective Achieved
			100.00	0.00	0.00	0.00	0.00	(100%)

## Notice



**POORNIMA**  
**COLLEGE OF ENGINEERING**

Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA

PCE/ME/DO/2023-24/21

Date: 01-11-2023

### NOTICE

An industrial visit at “Genus” is being organized by the Department of Mechanical Engineering on **November 8, 2023**. The activity will be held at as per the following schedule.

**Date** : November 8, 2023  
**Activity Name** : An industrial visit at “Genus, Jaipur”  
**Venue** : Genus, Jaipur  
**Time** : 9AM onwards

The students are required to be present at the venue on time. For further query you may contact the Faculty Coordinator Dr. Surendra Kumar Saini.

**Dr. N. L. Jain**

HoD, ME

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Phone: +91-9829255102, E-mail: registrar.pce@poornima.org, Website: www.poornima.org

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# POORNIMA

## COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

### A REPORT ON INDUSTRY VISIT AT CIPET

**TITLE AND DURATION:** INDUSTRY VISIT AT “CIPET” on NOVEMBER 2, 2023.

**ORGANIZER(S):** Department of Mechanical Engineering, Poornima College of Engineering, Jaipur.

#### **EXPECTED OUTCOMES:**

Activity-1.1	Student will be able to enhance the knowledge of advance manufacturing.
Activity-1.2	Student will be able to apply the G and M codes in manufacturing.
Activity-1.3	Student will be able to analyse the machining operation in mechanical engineering.

#### **MAPPINGS WITH PO&PSO:**

**CO-PO-PSO Mapping: Mapping Levels: 1- Low, 2- Moderate, 3-Strong**

CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	-	3	-	-	-	3	-	-	-	-	-	-	2	3	2
CO2	-	2	-	-	-	-	-	-	3	-	-	-	2	3	2
CO3	2	-	-	-	-	-	-	-	-	-	-	3	2	3	2

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## FLYER / POSTER:



## BRIEF INTRODUCTION ABOUT THE PROGRAM:

At the CIPET session was started with the introduction of CNC part programming and G & M codes. CNC part programming involves a series of coded instructions that are required to produce a part. The program controls the machine tool movements and controls auxiliary functions including spindle, coolant, and rotation. The instructions may include numbers, letters, and symbols arranged in functional format blocks. CNC part programming uses a program input device such as a keyboard, diskette drivers, punched tape reader or serial ports among others. The program describes work that should be done on a part in the format required by CNC software. Programming is the point at which all the machining data is compiled and translated so that the control system can understand and implement the instructions. Machining data can be employed as; Machine sequence process, from tool start up to cutting depth, and tool path among others. Cutting conditions, feed rate, spindle speed, coolant, among others. Selection of cutting tools. G and M codes are required for CNC machining. However, what is the exact function of the two CNC letters program? How do they control CNC machines? This section will answer these questions and also highlight the differences between both codes. G code (also RS-274D) is the most popular CNC programming language. Most G code commands are in alphanumeric format and start with G which stands for geometry. G-code is responsible for the movements of CNC machines, telling the machine where to start, how to move, and when to stop or when fabricating a part. However, G code programming can be quite complicated for machinists because different machines read G codes in different formats. Most machines' difference is in the

absence of spaces between commands and in the number of zeros between the letter and number in the commands. For example, a machine might use G3 while another uses G03. Machinists must always be conversant with the type of machine they're using. Otherwise, errors in the command can lead to serious problems in parts production. M code also begins with the letter 'M.' the M code is a set of auxiliary commands that control all the machine's non-geometric actions. Machinists refer to the code as miscellaneous codes as it controls non-cutting actions such as stopping programs, flooding the machine with coolants, and shutting it off after the temperature drops. When setting up the CNC letters program using G and M codes, the M code should only have one command per block of information. This is because they mainly turn the machine on and off. Therefore, using them multiple times in one block could cause program problems.

Students were learned to write programming and individual students wrote programming for turning operation. Session was started with the introduction of CNC part programming and G & M codes. CNC part programming involves a series of coded instructions that are required to produce a part. The program controls the machine tool movements and controls auxiliary functions including spindle, coolant, and rotation. The instructions may include numbers, letters, and symbols arranged in functional format blocks. CNC part programming uses a program input device such as a keyboard, diskette drivers, pouched tape reader or serial ports among others. The program describes work that should be done on a part in the format required by CNC software. Programming is the point at which all the machining data is compiled and translated so that the control system can understand and implement the instructions. Machining data can be employed as; Machine sequence process, from tool start up to cutting depth, and tool path among others. Cutting conditions, feed rate, spindle speed, coolant, among others. Selection of cutting tools. G and M codes are required for CNC machining. However, what is the exact function of the two CNC letters program? How do they control CNC machines? This section will answer these questions and also highlight the differences between both codes. G code (also RS-274D) is the most popular CNC programming language. Most G code commands are in alphanumeric format and start with G which stands for geometry. G-code is responsible for the movements of CNC machines, telling the machine where to start, how to move, and when to stop when fabricating a part. However, G code programming can be quite complicated for machinists because different machines read G codes in different formats. Most machines' difference is in the presence or absence of spaces between commands and in the number of zeros between the letter and number in the commands. For example, a machine might use G3 while another uses G03. Machinists must always be conversant with the type of machine they're using. Otherwise, errors in the command can lead to serious problems in parts production. M code also begins with the letter 'M.' the M code is a set of auxiliary commands that control all the machine's non-geometric actions. Machinists refer to the code as miscellaneous codes as it controls non-cutting actions such as stopping programs, flooding the machine with coolants, and shutting it off after the temperature drops. When setting up the CNC letters program using G and M codes, the M code should only have one command per block of information. This is because they mainly turn the machine on and off. Therefore, using them multiple times in one block could cause program problems. Students

were learned to write programming and individual students wrote programming for turning operation.

## GLIMPSES:





  
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III Year ME Students Project on at CIPET on CNC Machine

S No.	Student Name	Registration No.	Group No.	Project Title on CNC Machine
1	Harshita Joshi	PCE21ME005	G1	Chamfering and TaperTurning Operation on Workpiece
2	Rajveer Singh	PCE21ME014	G1	Chamfering and TaperTurning Operation on Workpiece
3	Ramnaresh Matwa	PCE21ME016	G10	Chamfering and turning Operation on Workpiece
4	Sulabh Saxena	PCE21ME020	G10	Chamfering and turning Operation on Workpiece
5	Adarsh	PCE22ME800	G11	Step Turning on Workpiece
6	Ashish	PCE22ME801	G11	Step Turning on Workpiece
7	Raman	PCE21ME015	G2	Chamfering Operation on Workpiece
8	Vivek	PCE21ME023	G2	Chamfering Operation on Workpiece
9	Priya	PCE21ME011	G3	Taper turning operation on workpiece
10	Robin Singh	PCE21ME017	G3	Taper turning operation on workpiece
11	Tanmay Jangid	PCE21ME021	G4	Step Turning on Workpiece
12	Harsh Kumawat	PCE21ME004	G5	Fillet operation on Turning workpiece
13	Uttkarsh	PCE21ME022	G5	Fillet operation on Turning workpiece
14	Ibrahim	PCE21ME006	G6	Chamfering operation on Turning workpiece
15	Mo. Ayyan	PCE21ME008	G6	Chamfering operation on Turning workpiece
16	Jayant	PCE21ME007	G7	Chamfering and Turning Operation on Workpiece
17	Mohit Joshi	PCE21ME009	G7	Chamfering and Turning Operation on Workpiece
18	Bhanu Pratap	PCE21ME002	G8	Fillet and chamfering operation on Turning workpiece
19	Monu	PCE21ME010	G8	Fillet and chamfering operation on Turning workpiece
20	Aayush	PCE21ME001	G9	Chamfering fillet and taper turning on pointed workpiece
21	Raju Kumar	PCE21ME013	G9	Chamfering fillet and taper turning on pointed workpiece

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## LIST OF PARTICIPANTS & ATTENDANCE:

3rd Year	AYUSH SAXENA	PCE21ME001	Ayush Saxena
3rd Year	BHANU PRATAP	PCE21ME002	Bhanu Pratap
3rd Year	FARHAN KHAN	PCE21ME003	ABSENT
3rd Year	HARSH KUMAWAT	PCE21ME004	ABSENT
3rd Year	IBRAHIM .	PCE21ME006	Grab
3rd Year	JAYANT SONI	PCE21ME007	Jayant Soni
3rd Year	MOHAMMAD AYYAN	PCE21ME008	Muhammad Ayyan
3rd Year	MOHIT JOSHI	PCE21ME009	ABSENT
3rd Year	MONU YADAV	PCE21ME010	Monu
3rd Year	PRIYA .	PCE21ME011	Priya
3rd Year	RAJU KUMAR	PCE21ME013	Raj Kumar
3rd Year	RAJVEER SINGH	PCE21ME014	ABSENT
3rd Year	RAMNARESH MATWA	PCE21ME016	Ramnaresh
3rd Year	ROBIN SINGH	PCE21ME017	Robin
3rd Year	SULABH SAXENA	PCE21ME020	Sulabh Saxena

## FEEDBACK ANALYSIS:

SESSION FEEDBACK ANALYSIS								
Sr.no.	Attributes	Total Feed Back	Total Feed Back- 21					
			>80% Objective Achieved, 60 to 79 %- Satisfactory, Below 60%, Need improvement					
1	Do you think session was useful for you?	21	Yes	No	Partial	---	---	Remark
			20	0	1	0	0	Objective Achieved (95.23%)
			95.23	0.00	4.77	0.00	0.00	
2	Did you receive all the information you expected by the session?	21	Yes	No	Partial	---	---	Remark
			20	0	1	0	0	Objective Achieved (95.23%)
			95.23	0.00	4.77	0.00	0.00	
3	Opinion on Rating the trainer for the session	21	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			20	1	0	0	0	Objective Achieved - Outstanding & Excellent (95.23%)
			95.23	4.77	0.00	0.00	0.00	
4	Audience Query Response by the trainer	21	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			20	1	0	0	0	Objective Achieved (95.23%)
			95.23	4.77	0.00	0.00	0.00	
5	Overall experience about the Session	21	Outstanding	Excellent	Good	Average	Satisfactory	Remark
			21	0	0	0	0	Objective Achieved - Outstanding (100%)
			100.00	0.00	0.00	0.00	0.00	
6	Would you like to attend future training session conducted by the department.	21	Yes	No	---	---	---	Remark
			21	0	0	0	0	Objective Achieved (100%)
			100.00	0.00	0.00	0.00	0.00	

## Notice



**POORNIMA**  
COLLEGE OF ENGINEERING

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PCE/ME/DO/2023-24/24

Date: 25-10-2023

### NOTICE

An industrial visit at “CIPET” is being organized by the Department of Mechanical Engineering on **November 2, 2023**. The activity will be held at as per the following schedule.

**Date** : November 2, 2023  
**Activity Name** : An industrial visit at “CIPET, Jaipur”  
**Venue** : CIPET, Jaipur  
**Time** : 9AM

The students are required to be present at the venue on time. For further query you may contact the Faculty Coordinator Dr. Surendra Kumar Saini.

**Dr. N. L. Jain**  
HoD, ME

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