

POORNIMA

COLLEGE OF ENGINEERING

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Report On Survey Camp

NAME OF ACTIVITY: Survey Camp at Chandwaji, Jaipur

DATE & DURATION: 16-18 January, 2024

ORGANIZED BY: Department of Civil Engineering

OBJECTIVE:

- To familiarize students with different surveying instruments and techniques.
- To provide practical exposure to land surveying, levelling, and contour mapping.
- To enhance teamwork and collaboration among students through group surveying projects.
- To instill problem-solving skills in dealing with real-world surveying challenges.

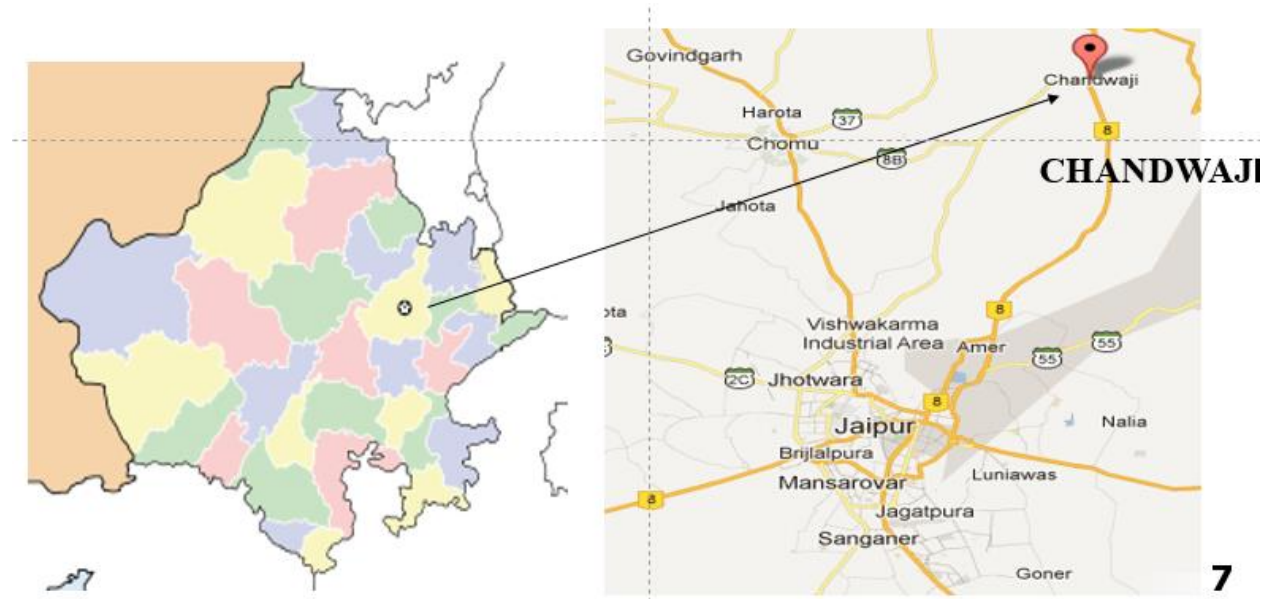
Introduction to Survey Camp: The three-day survey camp held at Chandwaji, in close proximity to NH-8, was meticulously organized with the primary objective of offering participants a hands-on experience in surveying techniques and fieldwork. The intent was to bridge the gap between theoretical knowledge acquired in the classroom and the practical skills essential for professionals in the field of surveying and geospatial sciences.

Location: Chandwaji, situated in the outskirts of Jaipur, was chosen as the camp location due to its diverse topography, offering a variety of surveying challenges. The site provided an excellent opportunity for students to apply their knowledge in a real-world setting.

Rationale for Choosing Chandwaji: Chandwaji was selected as the location for the survey camp due to its diverse topography and geographical features. The region presented an excellent opportunity for participants to encounter real-world challenges in surveying, ranging from


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undulating terrains to potential obstacles that mirror the complexities faced in professional settings. The proximity to NH-8 added a layer of practical relevance, allowing participants to engage in road surveying, a crucial aspect of civil engineering and land development.



BROCHURE:



POORNIMA

COLLEGE OF ENGINEERING



CGPA 3.3 / 4.00
A+ Grade from January 4, 2024 to January 3, 2029

DEPARTMENT OF CIVIL ENGINEERING

SURVEY CAMP

2023-24

JANUARY 16 TO 18, 2024



RTU Rank 2nd

FACULTY CO-ORDINATOR-
MR. BALWAAN SHESHMA
MR. PRATEEK SHARMA

★ ★ ★

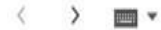
TECHNICAL CO-ORDINATOR-
MR. HARLAL SINGH KATARIA
MR. LOKESH KUMAWAT
MR. SATENDRA KUMAR SHARMA


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Circular:



1 of 1,139



Orientation of Survey Camp (15/01/24) and Hoodie & Field Book Distribution



Prateek Sharma <prateek.sharma@poornima.org>

Sun, 14 Jan, 11:10 (8 days ago)



to PCE, HOD, Balwan, Harlal, Lokesh, Satendra, Tannu, BHUMI, MS.SAKSHI, MS.KIRAN, Prateek

Dear Students,

Greetings from the Civil Engineering Department. Happy Lohri & Happy Makar Sankranti!!

We hope you're doing well. We're just 2 days away from starting the **SURVEY CAMP (16-18 January 2024)**. Tomorrow(15/01/23) will be scheduled for Orientation related to SURVEY CAMP (Exercises, Bus route, Group Allocation) and distribution of Hoodie & Field Book. So, attend the session & Collect your accessories.



One attachment • Scanned by Gmail




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TIME TABLE:

TIME TABLE OF SURVEY CAMP

GROUP	TIME SCHEDULE	TUESDAY	WEDNESDAY	THURSDAY
1	8:30am to 9:00am		break fast	
	9:00am to 12:00pm	T1 High point(I Ex.)	T3 High point(III Ex.)	Base point (V Ex.)
	12:00pm to 1:00pm		lunch	
	1:00pm to 4:00pm	T2 High Point (II Ex.)	T4 High Point(IV Ex.)	Profile levelling (VI Ex.)
	4:15pm to 4:30pm		tea break and departure	
2	8:30am to 9:00am		break fast	
	9:00am to 12:00pm	T2 High Point(I Ex.)	T4 High Point(IV Ex.)	Profile levelling (VI Ex.)
	12:00pm to 1:00pm		lunch	
	1:00pm to 4:00pm	T3 High point(III Ex.)	base point(II Ex.)	T1 High Point(I Ex.)
	4:15pm to 4:30pm		tea break and departure	
3	8:00am to 9:00am		break fast	
	9:00am to 12:00pm	T3 High Point(III Ex.)	Base point (V Ex.)	T1 High Point(I Ex.)
	12:00pm to 1:00pm		lunch	
	1:00pm to 4:00pm	T4 High Point(IV Ex.)	Profile levelling(VI Ex.)	T2 High Point(II Ex.)
	4:15pm to 4:30pm		tea break and departure	
4	8:30am to 9:00am		break fast	
	9:00am to 12:00pm	T4 High Point(IV Ex.)	Profile levelling(VI Ex.)	T2 High Point(II Ex.)
	12:00pm to 1:00pm		lunch	
	1:00pm to 4:00pm	Base point(V Ex.)	T1 High Point(I Ex.)	T3 High Point(III Ex.)
	4:15pm to 4:30pm		tea break and departure	

Activities:

Instrument Familiarization: Students were given hands-on experience with various surveying instruments, including total stations, theodolites, and levelling instruments. Workshops were conducted to ensure a thorough understanding of the equipment.

Land Surveying: Teams of students undertook land surveying exercises, covering aspects such as boundary surveys, topographic surveys, and traverse surveys. This allowed students to apply their knowledge in measuring distances and angles accurately.

Levelling and Contour Mapping: Practical sessions on levelling techniques and contour mapping were conducted to enable students to understand the elevation differences across the surveyed area.

GPS and GIS Applications: The camp included sessions on the use of Global Positioning System (GPS) and Geographic Information System (GIS) technologies, providing students with insights into the application of modern surveying tools.

Group Projects: Students were divided into groups and assigned real-world surveying projects. This fostered teamwork, problem-solving, and effective communication among the participants.

DO'S & DONT'S

DO'S

- Students should be allowed only in proper uniform with sports shoes & ID-card.
- Student should daily bring with them their field book and calculator individually & daily signed by faculty member.
- Students should reach their pick-up point before time (10 minutes at least).
- Group is responsible for any damage or missing of any equipment.
- Student should bring their water bottle with them and strictly follow the time table.
- All members of group need to participate & co-ordinate with other members.

DONT'S

- Students bringing their personal vehicle are not allowed in survey camp.
- Any student having one or more absences (excused or unexcused) will automatically receive a failing grade.
- Students should not misbehave with nearby people and faculty members.
- Students should not leave the instrument unguarded when set on the road, high point or in high wind.

- Disruptive or distracting behavior of any type is not allowed during the field work. This includes reading newspaper, playing games, smoking etc.
- Cheating, fabrication, plagiarism or helping others to commit these acts will not be tolerated.

Challenges and Solutions:

The diverse terrain in Chandwaji posed challenges in terms of accurate measurements and data collection. However, students actively collaborated to overcome these challenges, showcasing problem-solving skills and adaptability. Faculty and industry experts provided guidance, ensuring a successful learning experience.

Benefits and Learning Outcomes:

The survey camp significantly contributed to the students' learning journey by:

- Enhancing practical skills in surveying and data analysis.
- Fostering teamwork and communication skills.
- Providing exposure to real-world challenges in surveying.

Conclusion:

The Civil Engineering Survey Camp at Chandwaji, Jaipur, was a resounding success in achieving its objectives. Students gained practical experience in surveying techniques, equipment handling, and teamwork. The camp not only complemented theoretical knowledge but also prepared students for the challenges they may encounter in their future careers as civil engineers. The skills acquired during the camp are expected to contribute significantly to their professional development.

Recommendations:

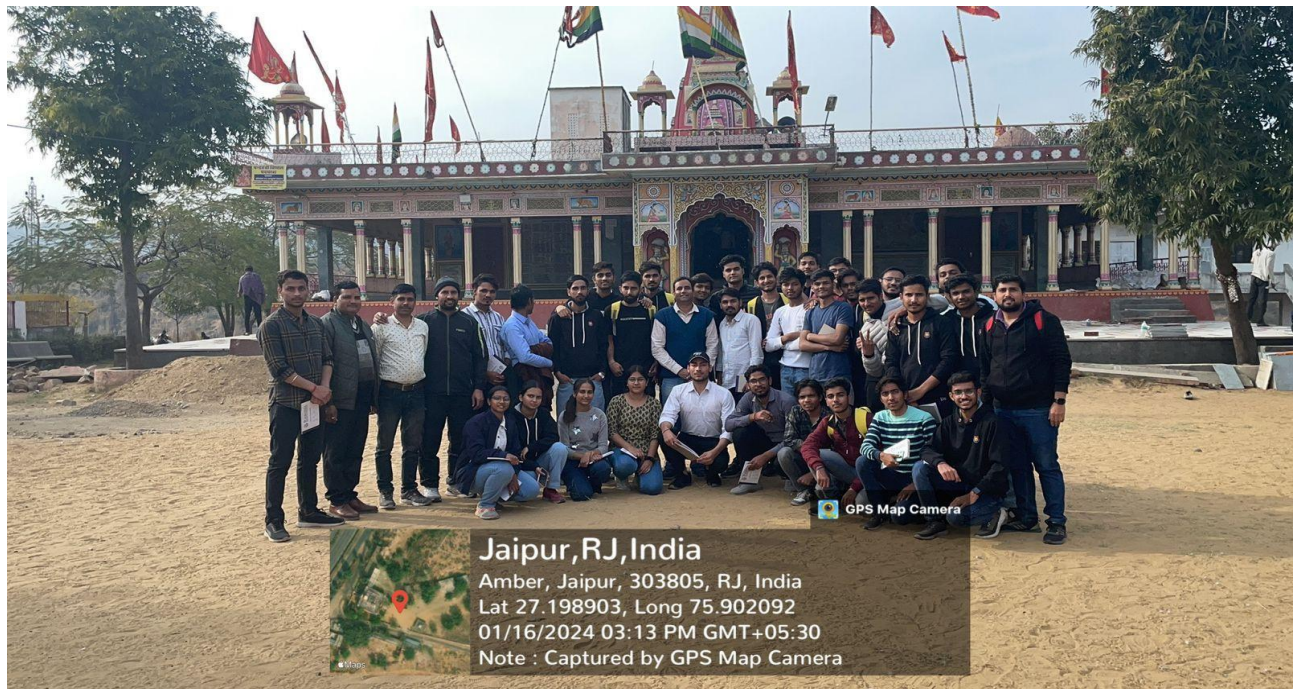
Based on the feedback from students, future survey camps should continue to focus on practical applications, encourage industry interactions, and incorporate more advanced surveying technologies to align with evolving industry trends.

The survey camp at Chandwaji was a resounding success, providing a platform for civil engineering students to bridge the gap between theoretical knowledge and practical implementation in the field of surveying.

Attendance:

Survey Camp Attendance			16/01/24	17/01	18/01
1	Aman Vishal	Pce23ce802	<u>Aman</u>	AB	<u>Aman</u>
2	Manish karwasara	Pce22ce007	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>
3	Yuvraj Singh Gurjar	PCE22CE028	<u>Yuvraj</u>	<u>Yuvraj</u>	<u>Yuvraj</u>
4	Himanshu meena	Pce22ce005	<u>Himanshu</u>	<u>Himanshu</u>	<u>Himanshu</u>
5	Jahnavi Ninama	PCE22CE013	<u>Jahnavi</u>	<u>Jahnavi</u>	<u>Jahnavi</u>
6	Ajay yadav	Pce22ce001	<u>Ajay</u>	<u>Ajay</u>	<u>Ajay</u>
7	Astha garg	Pce22ce011	<u>Astha</u>	<u>Astha</u>	<u>Astha</u>
8	Ajay Singh Chouhan	PCE23CE801	<u>Ajay Singh</u>	<u>Ajay Singh</u>	<u>Ajay Singh</u>
9	ADITYA SAINI	PCE23CE800	<u>Aditya</u>	<u>Aditya</u>	<u>Aditya</u>
10	Arjun kumar	PCE22CE506	<u>Arjun</u>	<u>Arjun</u>	<u>Arjun</u>
11	Rohit Prajapati	Pce22ce019	<u>Rohit</u>	<u>Rohit</u>	<u>Rohit</u>
12	Yashraj aditya		<u>Yashraj</u>	<u>Yashraj</u>	<u>Yashraj</u>
13	Siddarth saini		AB	<u>Siddarth</u>	AB
14	Sameer choudhary		<u>Sameer</u>	<u>Sameer</u>	<u>Sameer</u>
15	Vivek Kumar	PCE23CE804	<u>Vivek</u>	<u>Vivek</u>	<u>Vivek</u>
16	Ravi Raushan		<u>Ravi</u>	AB	<u>Ravi</u>
17	Mohammad monish raza	PCE22CE009	<u>Mohammad</u>	<u>Mohammad</u>	<u>Mohammad</u>
18	Rajesh jangir	PCE22CE018	<u>Rajesh</u>	<u>Rajesh</u>	<u>Rajesh</u>
19	Nitin Sharma	Pce22ce031	<u>Nitin</u>	<u>Nitin</u>	<u>Nitin</u>
20	Ansh Kumar dvivedi	PCE22CE002	<u>Ansh</u>	<u>Ansh</u>	<u>Ansh</u>
21	Ahtisham Rashid	PCE22CE508	<u>Ahtisham</u>	<u>Ahtisham</u>	<u>Ahtisham</u>
22	Sunil Kumar Ranwa	PCE22CE023	<u>Sunil</u>	<u>Sunil</u>	<u>Sunil</u>
23	Tushar jaiswal	PCE22CE025	<u>Tushar</u>	<u>Tushar</u>	<u>Tushar</u>
24	Mohammed Adil	Pce22ce010	<u>Mohammed</u>	<u>Mohammed</u>	<u>Mohammed</u>
25	Aryan Yadav	Pce22ce004	<u>Aryan</u>	<u>Aryan</u>	<u>Aryan</u>
26	Vishal Dhawan	PCE22CE026	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>
27	Tanmay kumar	Pce22ce024	<u>Tanmay</u>	<u>Tanmay</u>	<u>Tanmay</u>
28	Aryan Bairwa	PCE22CE003	<u>Aryan</u>	<u>Aryan</u>	<u>Aryan</u>
29	Sameer bairwa	PCE22CE020	<u>Sameer</u>	<u>Sameer</u>	<u>Sameer</u>
30	Pavan gurjar	Pce22ce015	<u>Pavan</u>	<u>Pavan</u>	<u>Pavan</u>
31	Pragya Shekhawat	PCE22CE017	<u>Pragya</u>	<u>Pragya</u>	<u>Pragya</u>
32	Parul Sharma	PCE22CE012	<u>Parul</u>	<u>Parul</u>	<u>Parul</u>
33	Mayank Meena	PCE22CE008	AB	AB	AB
34	Lokesh Rajapat <u>Kumawat</u>	PCE22CE006	AB	AB	AB
	Total no.		31	30	31
	Absent				
Prateek Sharma			<u>Prateek</u>	<u>Prateek</u>	<u>Prateek</u>
Faculty Co-ordinator			16/1/24	17/1/24	18/1/24

Glimpses of the Event










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