



NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR

AFFILIATED TO BIHAR ENGINEERING UNIVERSITY, PATNA

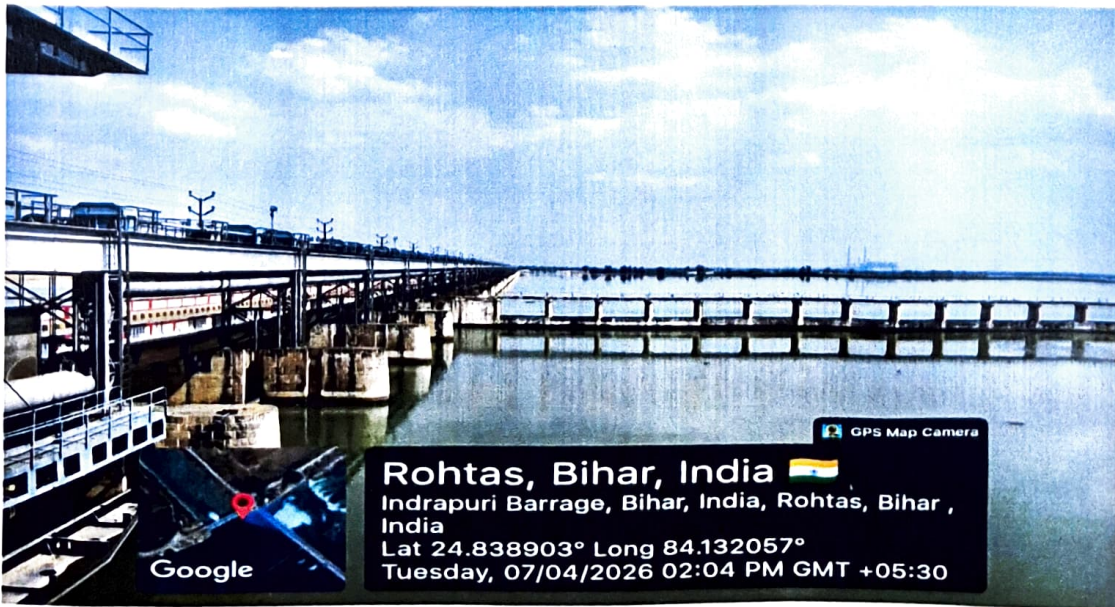
AMHARA, BIHTA, PATNA-801106

Name of the Event: One Day Industrial Visit

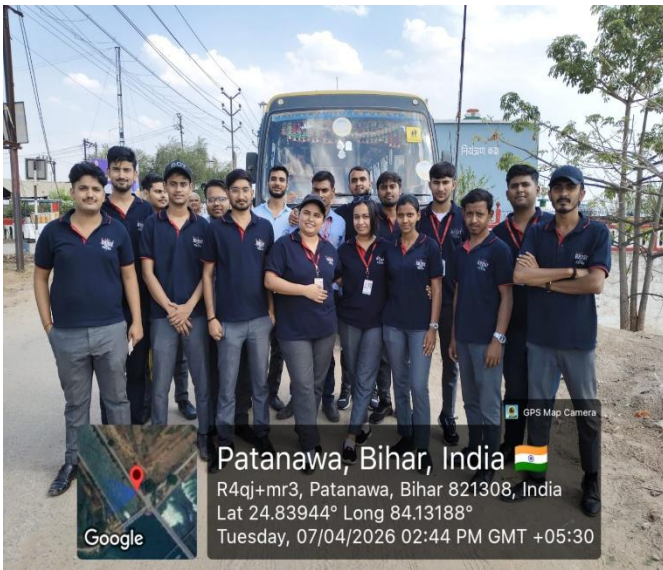
Date: 07/04/2026

Site Name	Indrapuri Barrage (Under Water Resources & Irrigation Department), Rohtas, Bihar
Organized By	Department of Civil Engineering and Electrical & Electronics Engineering
Resource person at the site	Mr. Sanjay Kumar Jha (SDO- Indrapuri Barrage, WRD Bihar)
Faculty Coordinator	Dr. Radha Krishna Amritraj (HOD-CE) Mr. Ritesh Kumar (HOD-EEE)

Glimpses of the One-Day Industrial Visit

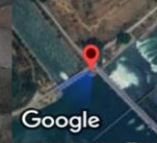


[Signature]
Director
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

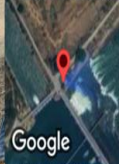




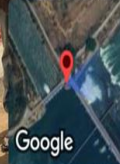
Rohtas, Bihar, India 🇮🇳
 Indrapuri Barrage, Bihar, India, Rohtas, Bihar, India
 Lat 24.839052° Long 84.132047°
 Tuesday, 07/04/2026 02:07 PM GMT +05:30



Rohtas, Bihar, India 🇮🇳
 Indrapuri Barrage, Bihar, India, Rohtas, Bihar, India
 Lat 24.839065° Long 84.132158°
 Tuesday, 07/04/2026 02:11 PM GMT +05:30



Rohtas, Bihar, India 🇮🇳
 Indrapuri Barrage, Bihar, India, Rohtas, Bihar, India
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 Tuesday, 07/04/2026 02:22 PM GMT +05:30



Rohtas, Bihar, India 🇮🇳
 Indrapuri Barrage, Bihar, India, Rohtas, Bihar, India
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 Tuesday, 07/04/2026 01:58 PM GMT +05:30



NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR

AFFILIATED TO BIHAR ENGINEERING UNIVERSITY, PATNA

AMHARA, BIHTA, PATNA-801106

Activity Report

Name of the Event: One Day Industrial Visit

Date: 07/04/2026

Site Name	Indrapuri Barrage (Under Water Resources & Irrigation Department), Rohtas, Bihar
Organized By	Department of Civil Engineering and Electrical & Electronics Engineering
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Netaji Subhas Institute of Technology, Bihta, Patna, successfully organized a one-day site visit at **Indrapuri Barrage**, Rohtas, Bihar, on **07 April 2026**. The Indrapuri Barrage is a major irrigation structure built across the Son River near Dehri in the Rohtas district of Bihar. Constructed in the 1960s, it replaced the old anicut system to improve water management and irrigation efficiency in the region. The barrage plays a crucial role in supplying water to the Sone Canal System, which irrigates vast agricultural lands in Bihar, significantly supporting crop production and the local economy. With its extensive network of canals and modern design, the Indrapuri Barrage is considered one of the longest river barrages in India and an important example of post-independence hydraulic engineering development.

Outcomes:

The outcomes of the visit to the Indrapuri Barrage in Bihar are as follows:

- Gain practical exposure to real-world civil engineering structures and site conditions
- Understand the design and functioning of barrage systems across the Sone River
- Learn about hydraulic structures such as gates, spillways, and canal head regulators
- Develop knowledge of irrigation engineering and water resource management
- Observe sediment control methods and flow regulation techniques
- Study construction methods and maintenance practices of large-scale infrastructure
- Understand the role of the barrage in supporting agriculture and regional development
- Enhance analytical and problem-solving skills through field observation
- Bridge the gap between theoretical concepts and practical applications
- Improve overall technical knowledge and field awareness in civil engineering

Request Letter:

4/13/26, 2:52 PM

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY Mail - Request for one-day Industrial Visit of B.Tech Students for site visit in ..



Civil Engineering Department <hodcivil@nsiterp.in>

Request for one-day Industrial Visit of B.Tech Students for site visit in Dehri | NSIT Bihta Patna

1 message

Netaji Subhas Institute of Technology <info@nsit.in>
To: cewrdd@gmail.com
Bcc: hodcivil@nsiterp.in

24 March 2026 at 14:10

Dear Sir,
Please find the attached request letter.

With Regards

Administrative Office
Netaji Subhas Institute of Technology
1800-2700-477 , 07781020364
Email : info@nsit.in
Website : www.nsit.in



Request Letter.jpeg
766K

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

(A Unit of Sitwanto Devi Mahila Kalyan Sansthan, Jamshedpur)

Amhara, Bihta, Patna - 801106 (Bihar)

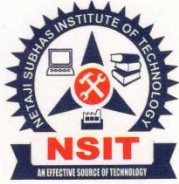
Affiliated to : Bihar Engineering University, Patna, Aryabhata Knowledge

University Patna and State Board of Technical Education, Bihar, Patna

(A NAAC Accredited Institute)

Mobile No.: 7781020364, 7781020346, 9102403265, 7781020361

Email: info@nsit.in | www.nsit.in



Ref. NSIT/DO/048/26.

Date 24/03/2026

To,
The Chief Engineer,
Irrigation Creation,
Water Resources Department,
Dehri-on-Sone, Bihar.

Subject: Request for one-day Industrial Visit of B.Tech Students for site visit in Dehri.

Respected Sir,

We wish to organize an **industrial visit to the Sone (Indrapuri) Barrage under the Water Resources Department** for the academic benefit of our students.

The visit is planned for **5th Semester B.Tech students of Electrical and Electronics Engineering, Mechanical Engineering and Civil Engineering**. The objective is to help students gain practical knowledge about **barrage structures, gate mechanisms, irrigation canal systems and water resource management**.

Around **35 students** will be participating in the visit accompanied by **4 faculty members** from our institute.

We kindly request your good office to grant permission for the visit and direct the concerned division to facilitate the same. If possible, a brief technical interaction with the engineers would greatly benefit the students.

We assure that all participants will strictly adhere to the safety rules and guidelines of the department.

We look forward to your kind cooperation.

Director.

Director

Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

Attendance sheet:



Netaji Subhas Institute of Technology

Amhara, Bihta, Patna -801106
Affiliated to Bihar Engineering University, Patna

Department of Civil Engineering

Attendance sheet for site visit at Dehri (Indrapuri Barrage), Bihar					Date: 07/04/2026
S.No.	Registration No.	Roll No.	Name	Branch	Signature
1	23101103003	235001	ABHINAV SINGH	CE	Abhinav Singh
2	23101103011	235002	MD KAIF	CE	md. Kaif
3	23101103017	235003	VAIBHAV RAJ	CE	Vaibhav Raj
4	23101103007	235006	DEEPAK KUMAR	CE	Deepak Kumar
5	23101103001	235008	MAYANK RAJ	CE	Mayank Raj
6	23101103006	235010	PAYAL RAJ	CE	Payal Raj
7	23101103002	235012	HARSHVARDHAN KUMAR	CE	Harshvardhan Kumar
8	23101103005	235014	VIKRAM RAJ	CE	Vikram Raj
9	23101103018	235022	RISHAV RAJ	CE	Rishav Raj
10	24101103901	235183	LALJEET KUMAR	CE	Laljeet Kumar
11	24101103902	235184	AMIT KUMAR	CE	Amit Kumar
12	23110103001	234001	KAMLESH KUMAR	EEE	Kamlesh Kumar
13	23110103003	234003	GAUTAM KUMAR	EEE	Gautam Kumar
14	23110103004	234005	ALOK RAJ	EEE	Alok Raj
15	23110103005	234006	DEVRAJ	EEE	Devraj
16	24110103902	234121	NITISH KUMAR	EEE	Nitish Kumar
17	24110103903	234122	SUDHANSHU RAJ	EEE	Sudhanshu Raj
18	23104103001	232005	ARYA SINGH	EC	Arya Singh
19	23104103003	232008	VEDIKA	EC	Vedika

20 23101103015 (235009) Vishal Kumar (Civil) Vishal Kr

R.K. Anandraj
07/04/26
Head of Department
Department of Civil Engineering
Netaji Subhas Institute of Technology

Feedback Form: Over 90% positive feedback from attendees regarding the Industrial visit

INDUSTRIAL VISIT FEEDBACK FORM

Visit To: Indrapuri Barrage, Rohtas, Bihar

Department: CIVIL

Date of Visit: 07/04/2026

Student Details

- Name: ABHINAV SINGH
 - Roll Number: 235001
 - Year/Semester: 5th Semester
-

Feedback (Please tick ✓)

1. Overall Organization of the Visit

Excellent Good Average Poor

2. Relevance of the Visit to Your Course

Highly Relevant Relevant Somewhat Relevant Not Relevant

3. Knowledge Gained About Barrage and Irrigation Systems

Excellent Good Average Poor

4. Understanding of Hydraulic Structures (Gates, Spillways, etc.)

Excellent Good Average Poor

5. Interaction with Site Engineers/Officials

Very Helpful Helpful Average Not Helpful

6. Safety Measures During the Visit

Excellent Good Average Poor

7. Arrangement & Coordination of the Visit

Excellent Good Average Poor

INDUSTRIAL VISIT FEEDBACK FORM

Visit To: Indrapuri Barrage, Rohtas, Bihar

Department: CE

Date of Visit: 07/04/2026

Student Details

- Name: Amit Kumar
 - Roll Number: 235184
 - Year/Semester: ES II
-

Feedback (Please tick ✓)

1. Overall Organization of the Visit

Excellent Good Average Poor

2. Relevance of the Visit to Your Course

Highly Relevant Relevant Somewhat Relevant Not Relevant

3. Knowledge Gained About Barrage and Irrigation Systems

Excellent Good Average Poor

4. Understanding of Hydraulic Structures (Gates, Spillways, etc.)

Excellent Good Average Poor

5. Interaction with Site Engineers/Officials

Very Helpful Helpful Average Not Helpful

6. Safety Measures During the Visit

Excellent Good Average Poor

7. Arrangement & Coordination of the Visit

Excellent Good Average Poor

INDUSTRIAL VISIT FEEDBACK FORM

Visit To: Indrapuri Barrage, Rohtas, Bihar

Department: CIVIL

Date of Visit: 07/04/2026

Student Details

- Name: PAYAL RAJ
 - Roll Number: 235010
 - Year/Semester: 5th Semester
-

Feedback (Please tick ✓)

1. Overall Organization of the Visit

Excellent Good Average Poor

2. Relevance of the Visit to Your Course

Highly Relevant Relevant Somewhat Relevant Not Relevant

3. Knowledge Gained About Barrage and Irrigation Systems

Excellent Good Average Poor

4. Understanding of Hydraulic Structures (Gates, Spillways, etc.)

Excellent Good Average Poor

5. Interaction with Site Engineers/Officials

Very Helpful Helpful Average Not Helpful

6. Safety Measures During the Visit

Excellent Good Average Poor

7. Arrangement & Coordination of the Visit

Excellent Good Average Poor

INDUSTRIAL VISIT FEEDBACK FORM

Visit To: Indrapuri Barrage, Rohtas, Bihar

Department: CIVIL

Date of Visit: 07/04/2026

Student Details

- Name: MAYANK RAJ
- Roll Number: 235008
- Year/Semester: 3RD / 5TH

Feedback (Please tick ✓)

1. Overall Organization of the Visit

Excellent Good Average Poor

2. Relevance of the Visit to Your Course

Highly Relevant Relevant Somewhat Relevant Not Relevant

3. Knowledge Gained About Barrage and Irrigation Systems

Excellent Good Average Poor

4. Understanding of Hydraulic Structures (Gates, Spillways, etc.)

Excellent Good Average Poor

5. Interaction with Site Engineers/Officials

Very Helpful Helpful Average Not Helpful

6. Safety Measures During the Visit

Excellent Good Average Poor

7. Arrangement & Coordination of the Visit

Excellent Good Average Poor

INDUSTRIAL VISIT FEEDBACK FORM

Visit To: Indrapuri Barrage, Rohtas, Bihar

Department: E.EE

Date of Visit: 07/04/2026

Student Details

- Name: SUDHANSHU RAJ
 - Roll Number: 234122
 - Year/Semester: 3rd Year / 5th Sem
-

Feedback (Please tick ✓)

1. Overall Organization of the Visit

Excellent Good Average Poor

2. Relevance of the Visit to Your Course

Highly Relevant Relevant Somewhat Relevant Not Relevant

3. Knowledge Gained About Barrage and Irrigation Systems

Excellent Good Average Poor

4. Understanding of Hydraulic Structures (Gates, Spillways, etc.)

Excellent Good Average Poor

5. Interaction with Site Engineers/Officials

Very Helpful Helpful Average Not Helpful

6. Safety Measures During the Visit

Excellent Good Average Poor

7. Arrangement & Coordination of the Visit

Excellent Good Average Poor

INDUSTRIAL VISIT FEEDBACK FORM

Visit To: Indrapuri Barrage, Rohtas, Bihar

Department: EEE

Date of Visit: 07/04/2026

Student Details

- Name: DEVRAJ
 - Roll Number: 234006
 - Year/Semester: 3rd / 5th sem.
-

Feedback (Please tick ✓)

1. Overall Organization of the Visit

Excellent Good Average Poor

2. Relevance of the Visit to Your Course

Highly Relevant Relevant Somewhat Relevant Not Relevant

3. Knowledge Gained About Barrage and Irrigation Systems

Excellent Good Average Poor

4. Understanding of Hydraulic Structures (Gates, Spillways, etc.)

Excellent Good Average Poor

5. Interaction with Site Engineers/Officials

Very Helpful Helpful Average Not Helpful

6. Safety Measures During the Visit

Excellent Good Average Poor

7. Arrangement & Coordination of the Visit

Excellent Good Average Poor

Undertaking Form:

Undertaking for Site Visit in Dehri (Indrapuri Barrage), Bihar

I hereby undertake that I, the undersigned B.Tech. engineering student of Netaji Subhas Institute of Technology, Bihta, Patna will participate in the site visit at Dehri (Indrapuri Barrage), Bihar on 07/04/2026.

I assure that during the visit:

- I will maintain proper discipline and follow all instructions given by the faculty coordinators and site authorities.
- I will adhere to all safety rules and regulations of the organization being visited.
- I will not engage in any activity that may harm the reputation of the institution or the host organization.
- I will be solely responsible for my personal belongings and actions during the visit.
- I understand and accept that the institute will not be held responsible for any accident, injury, loss, theft, or any unforeseen casualty occurring during the industrial visit.
- I agree to participate in the visit at my own risk and responsibility.

I understand that any misconduct or violation of rules may lead to disciplinary action by the institute.

Student Name: PAYAL RAI

Roll Number: 235010

Semester: 5th Sem

Department: CIVIL

Signature of Student: Payal Rai

Signature of Parent/Guardian: Sumita Devi

Date: 06/04/2026

Undertaking for Site Visit in Dehri (Indrapuri Barrage), Bihar

I hereby undertake that I, the undersigned B.Tech. engineering student of Netaji Subhas Institute of Technology, Bihta, Patna will participate in the site visit at Dehri (Indrapuri Barrage), Bihar on 07/04/2026.

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Student Name: Arya Singh

Roll Number: 232005

Semester: 5th

Department: ECG

Signature of Student: Arya Singh

Signature of Parent/Guardian: Priya Singh

Date: 4/4/26

Undertaking for Site Visit in Dehri (Indrapuri Barrage), Bihar

I hereby undertake that I, the undersigned B.Tech. engineering student of Netaji Subhas Institute of Technology, Bihta, Patna will participate in the site visit at Dehri (Indrapuri Barrage), Bihar on 07/04/2026.

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Student Name: Alok Raj

Roll Number: 234005

Semester: 5th

Department: EEE

Signature of Student: Alok

Signature of Parent/Guardian: M. Upesh

Date: 6-04-26

Undertaking for Site Visit in Dehri (Indrapuri Barrage), Bihar

I hereby undertake that I, the undersigned B.Tech. engineering student of Netaji Subhas Institute of Technology, Bihta, Patna will participate in the site visit at Dehri (Indrapuri Barrage), Bihar on 07/04/2026.

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I understand that any misconduct or violation of rules may lead to disciplinary action by the institute.

Student Name: KAMLESH KUMAR

Roll Number: 234001

Semester: 5th

Department: E.EE

Signature of Student: Kamlesh Kumar

Signature of Parent/Guardian: Mithlesh Yadav

Date: 06/04/26