

# A ONE WEEK WORKSHOP On STAAD-PRO

Organized by  
Department of Civil Engg.  
**Netaji Subhas Institute of Technology**  
Approved by AICTE and Affiliated to AKU, Patna



June 20-25, 2022

Cheif Patron

Mr. M. M. Singh, Founder Secretary, NSIT

Patron

Mr. Krishna Murari, Registrar, NSIT

Convenor

Dr. Babul Kumar Mandal, HOD, CE, NSIT

Coordinators

Mr. Rajeev Kumar, NSIT Patna

Mr. M. K. Jha, NSIT Patna

Resource Person

Ujjawal Kumar, Centre Head  
National Design School, Patna

## ABOUT NSIT BIHTA, PATNA

Netaji Subhas Institute of Technology established in 2007, with first batch started in 2008 has its magnificent campus at Amhara in the district of Patna, Bihar. The nearest railway station is Bihta about 2 kilometres from the institute campus and about 25 KM from Patna A railway junction the state capital and major business and Educational hub of the state. Bihta is the industrial hub and blessings nerve centre of the entire state of Bihar. NSIT, A Degree level Engineering Institute has become a "An effective source of Technocrats to the nation". with its unique infrastructural facilities of 4,00,000 Sq.Ft. of built up area on approximately 18 acres of green lustrous land at Amhara, Bihta, Patna, Ambience at the campus serve and Ashram like. The college offers 4 yaers B.Tech courses in CSE, ECE, EEE, ME and CE.

## ABOUT DEPARTMENT OF CIVIL

The Department of Civil has a team of well qualified, experienced and dedicated faculty members with rich academic, industrial and research background. The department is fully equipped with excellent and advanced equipment and provide all required facilities for advanced research in specific fields of Civil Engineering, like Geotechnical Engineering, Material Testing and Evaluation, Transportation Engineering etc. The laboratories provide enriched practical understanding along with theory that gives opportunity to understand the depth of the subjects and real-time exposure. The Civil has the intake of 120 students and approved by AICTE and affiliated to AKU, Patna

## DEPARTMENT VISION

To become a premier Civil Engineering Department offering excellent engineering education in design methods and advanced technologies to the students, to pursue research in thrust areas and to offer professional services to the society.

## DEPARTMENT MISSION

The Department is committed to develop competent professionals by offering need based curriculum in Civil Engineering areas, promoting research and innovation to prepare the students for higher study, life-long learning and societal responsibility. The department is also committed to provide good learning environment to develop professional ethics and skills in our students and to provide engineering services to the society.

  
**Director**  
Netaji Subhas Institute of Technology  
Amhara, Bihta, Patna, Bihar  
PIN-501106

## OBJECTIVE

The objective of the workshop is to increase the awareness of software tools available for the design and analysis of Structures. As analysis and design is a very important part of the Curriculum students have learnt how to prepare a model of different types of loads, analysis and design of multi story truss for industrial Building.

## WORKSHOP CONTENT

- ❖ Introductions to STAAD-PRO layout and Tool
- ❖ Introductions to STAAD entities solving and Structure
- ❖ STAAD Coordinate system 2D and 3D Structure
- ❖ Assigning the properties, (Material, Support) Seismic loads
- ❖ Introduction and understanding Revit Structure

## Registration Fee

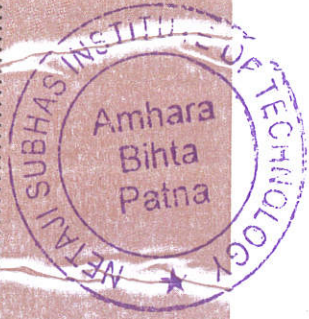
The participation fees Rs 500/- only

Mode of registration :- Spot

For More Information Contact us on :-  
7781020349,7781020361,9102403261

## Registration Form

Name:.....  
Designation:.....  
Organization:.....  
Gender:.....  
Edu. Qualification:.....  
Address:.....  
Mobile Number:.....  
E-Mail:.....



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On  
**STAAD-PRO**

**Organized by**  
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**June 20-25, 2022**

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**OBJECTIVE**

The objective of the workshop is to increase the awareness regarding various software tools available for the design and analysis of the RCC Structures, Steel Structures. As analysis and design is a very important part of the Civil Engineering Curriculum students have learnt how to prepare a model, assign properties, assign different types of loads, analysis and design of multi storied RCC building and roof truss for industrial Building.

**WORKSHOP CONTENTS**

- ❖ Introductions to STAAD-PRO layout and Tool bar
- ❖ Introductions to STAAD entities solving and understanding 2D and 3D Structure
- ❖ STAAD Coordinate system 2D and 3D Structure
- ❖ Assigning the properties, Material, Support, Moving, Wind, and Seismic loads
- ❖ Introduction and understanding Revit Structure and Architecture

**Registration Fee**

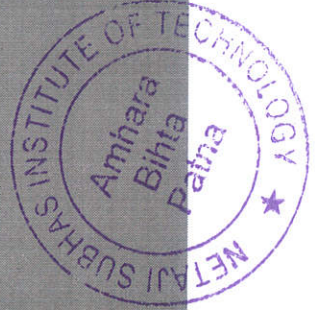
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Mobile Number:.....  
E-Mail:.....



**Director**  
Netaji Subhas Institute of Technology  
Amihara, Bihta, Patna, Bihar  
PIN-801106

## Certificate Course on STAAD-PRO

Organized By: Department of Civil Engineering

Participated by: 6<sup>th</sup> & 8<sup>th</sup> Semester Students of Civil branch.

Venue: Computer Centre

Duration: 20<sup>th</sup> June to 25<sup>th</sup> June, 2022

Event Coordinators: - Mr. Rajeev Kumar, Mr. M. K. Jha

Resource Person: Ujjawal Kumar, National Design School, Patna

Number of Students:- 42

### Summary:

Netaji Subhas Institute of Technology, Patna in association with National Design School, at NSIT successfully started a workshop on "STAAD-PRO". The objective is to train students in structural modelling, designing and analysis, integrated design & finite element analysis. The workshop was attended by students from NSIT.

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

Director  
J. S. Jha



# NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA

Department of Civil Engineering

Session 2021-22

Course on STAAD-PRO

Sr. No	Topic	Time
1	Introduction to STAAD-PRO layout & Tool bar	2 Hours
2	Introduction of STAAD entities solving and understanding 2D Structures	2 Hours
3	Introduction of STAAD entities solving and understanding 3D Structures	2 Hours
4	STAAD Coordinate System 2D Structures	2 Hours
5	STAAD Coordinate System 2D Structures results and errors debugging	3 Hours
6	STAAD Coordinate System 3D Structures	2 Hours
7	STAAD Coordinate System 3D Structures results and errors debugging	3 Hours
8	Assigning the properties, material, support & loads to abeam.	2 Hours
9	Assigning Moving, Wind & Seismic loads.	3 Hours
10	Concrete design, Specification & concrete parameters creating geometry of plane frame using the structure About PCE, Nagpur wizard.	3 Hours
11	Introduction and understanding Revit structure	3 Hours
12	Introduction and understanding Revit Architecture	3 Hours



Director  
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Anahara, Bihar, Patna, Bihar  
Pin-800106

# NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA

Department of Civil Engineering

Session 2021-22

Course on STAAD-PRO

Attendance Sheet

Sr.No	Name of Student	20-Jun	21-Jun	22-Jun	23-Jun	24-Jun	25-Jun
1	MOHIT KUMAR	P	P	P	P	P	P
2	CHANDAN KUMAR	P	P	P	P	P	A
3	MD ARSHAD ALAM	P	P	A	P	P	P
4	SHUBHAM KUMAR	P	P	P	P	A	P
5	PRIYARANJAN KUMAR	P	P	P	P	P	P
6	SATYAM KUMAR	P	P	P	P	P	P
7	ANKIT RAJ	P	P	P	P	P	P
8	VIKASH KUMAR	P	P	P	P	A	P
9	ABHISHEK KUMAR YADAV	P	P	P	P	P	P
10	VISHAL KUMAR	P	P	P	P	P	P
11	MAYANK KISHORE KSHITIZ	P	P	P	A	P	P
12	AMRIT KUMAR	P	P	P	P	P	P
13	UJJAWAL KUMAR	P	P	P	P	P	P
14	RAHUL KUMAR SINGH	A	P	P	P	P	P
15	AMAN KUMAR	P	P	P	P	P	P
16	MANOJ KUMAR	P	P	P	P	P	P
17	SHIVAM KUMAR	P	A	P	P	P	P
18	RAUSHAN SINGH	P	P	P	P	P	P
19	ROHIT KUMAR	P	P	P	P	P	P
20	MD WASIM ALAM	P	P	P	P	P	P
21	ANKESH KUMAR	P	P	P	P	P	P
22	SATYAM KUMAR	P	P	P	P	A	P
23	PRASHANT KUMAR	P	P	P	P	P	P
24	ABHISHEK KUMAR	P	P	A	P	P	P

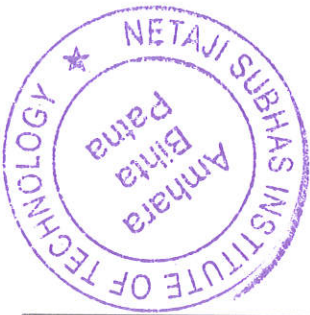
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Director

*[Handwritten Signature]*



25	ABHINAV KUMAR	p	p	p	p	p	p
26	LAVKUSH KUMAR	p	p	p	p	p	p
27	FARAZ KHAN	p	p	p	p	p	p
28	NITISH KUMAR	p	p	p	p	p	p
29	ANKITA KUMARI	p	p	p	p	p	p
30	AMAN KUMAR	p	p	p	p	p	p
31	VISHNU ANAND	p	p	p	p	p	p
32	AMIT PRAKASH	p	p	p	p	p	p
33	VISHAL KUMAR	p	p	p	p	p	p
34	RITESH KUMAR	p	p	p	p	p	p
35	BALMUKUND KUMAR	p	p	p	p	p	p
36	ZASEEM AKHTAR ANSARI	p	p	p	p	p	p
37	MOFEEZ JAWED	p	p	p	p	p	p
38	NISHANT SUMAN	p	p	p	p	p	p
39	PIYUSH RANJAN	p	p	p	p	p	p
40	KESHAV ADITYA	p	p	p	p	p	p
41	ASHISH RAJ	p	p	p	p	p	p
42	SHUBHAM KUMAR	p	p	p	p	p	p

# NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR  
AFFILIATED TO ARYABHATTA KNOWLEDGE UNIVERSITY, PATNA  
AMHARA, BIHTA, PATNA-801118, BIHAR

Session 2021-2022



## Notice

The interested students of 6th & 8<sup>th</sup> Semester Civil branches are here by informed that Workshop on “STAAD-PRO” is going to be organized by Civil Engineering department. Therefore the students are instructed to attend the workshop.

The details of the Workshop are as follows

Name: STAAD-PRO

Date: June 20-25, 2022

Duration: 30 Hours

Time:

Session 1 10 AM to 12:30 PM

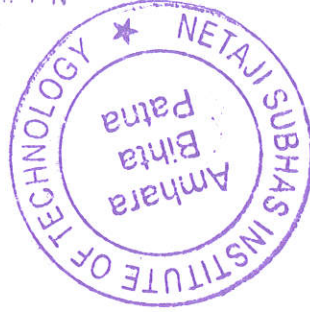
Session 1 1:30 PM to 4 PM

Venue: Computer Centre

Resource Person: Ujjawal Kumar, National Design School, Patna

Copy to:

1. Director, NSIT
2. Dean, NSIT
3. Notice Board
4. College website



HOD, Civil, NSIT

Head of Department

Department of Civil Engineering  
Netaji Subhas Institute of Technology

Director

Netaji Subhas Institute of Technology  
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Date: 16-06-2022