

Hindustan College of Science & Technology, Farah, Mathura
Department of Civil Engineering

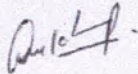
HCST/CE/ EVEN/2020-21

Date: 19.03.2021

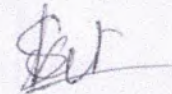
NOTICE

All the students are hereby informed that the department of Civil Engineering is going to organize a training course in "STAAD Pro" (30 hrs. teaching+ practice session) in the department from 02-04-2021.

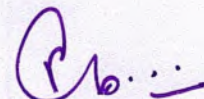
All students of the 2nd and 3rd years are required to register themselves before the commencement of the course. For any queries, you can talk to the course coordinator.



Mr. Kuldeep Kushwaha
Course Coordinator



Mr. Saket Bhandari
HOD, Department of Civil Engg.
Hindustan College of Science & Technology
Farah, Mathura



Director
Hindustan College of
Science & Technology
FARAH (MATHURA)



HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY,
FARAH -MATHURA



Value Added Course

VCE 2003 - Introduction to STAAD Pro.V8i

2nd April 2021 – 30th July 2021 - Every Friday: 3:10 PM – 4:50 PM



By

*Mr. Kuldeep Kushwaha
Assistant Professor, Civil Engineering
Hindustan College of Science & Technology, Farah (Mathura)*



Registration Dates

22nd March 2021 – 27th March 2021

For Registration: Please contact
Mr. Anil Kashyap, Office Staff, Department of CE

Prerequisites: Basic computer knowledge, knowledge about structural elements (support conditions, beams, columns, slabs etc.) and IS codes.



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HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, FARAH -MATHURA



DEPARTMENT OF CIVIL ENGINEERING

Value Added Course

VCE 2003 - Introduction to STAAD Pro.V8i

2nd April 2021 - 30th July 2021 - Every Friday: 3:10 PM - 4:50 PM

Course Objectives

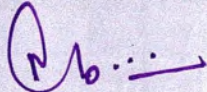
The main objective of this value added course are as follows:

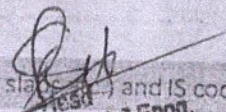
1. To learn about structural analysis and design using Staad Pro. V8i.
2. To learn about modelling and design of various structures.
3. To learn about use of various IS codes in building designs

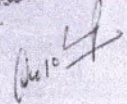
Course Syllabus

Units	Details	Course Outcomes
1	Introduction to Staad Pro, Study of various loads on structures and IS codes for design,	CO1
2	Analysis of Continuous beam, Analysis of Steel truss, analysis of single storeyed frame.	CO2
3	Analysis of Electrical Transmission Tower, Overhead Rectangular and Circular Water Tank, Analysis of Multi-storeyed frames.	CO3
4	Design of beams, columns, slabs and Steel Truss, Multi-storeyed building	CO4
5	Analysis of Footings and Bridge Deck	CO5

Prerequisites: Basic computer knowledge, knowledge about structural elements (support conditions, beams, columns, slabs, trusses) and IS codes.


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Course Outcomes:

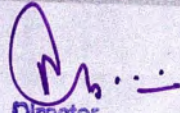
After completion of the course student will be able to:

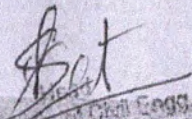
- CO1 Understand the scope of Staad Pro in structural modelling, analysis and design.
- CO2 complete object-oriented instinctive 2D/3D graphic model generation.
- CO3 Analyse various 2D structural elements like beams, columns, trusses, slabs etc.
- CO4 Analyse 3D structures like Transmission Tower, overhead water tank, multi-storey buildings etc.
- CO5 Use of IS codes in RCC, STEEL and SEISMIC design of various structural elements.

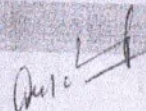
CO-PO Mappings

CO5	PO1	PO2	PO3	PQ4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	2												2	
CO2	2	3												2	
CO3	2	3												2	
CO4	2	3	3											2	3
CO5	2	3												2	
Average	2	3	3											2	3

Evaluation Criteria: 1. Evaluation of Practical Exam, Viva/Quiz


 Director
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 Head of Department
 Department of Civil Engg.
 Hindustan College of Science & Technology
 Farah, Mathura


 Date: / /



HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, FARAH -MATHURA
DEPARTMENT OF CIVIL ENGINEERING

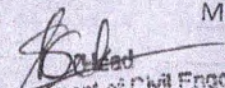


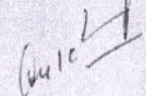
Value Added Course
VCE 2003 - Introduction to STAAD Pro.V8i
2nd April 2021 - 30th July 2021 - Every Friday: 3:10 PM -- 4:50 PM

Course Schedule

Session	Date	Time	No of Lectures	Session Topic	Resource Person
1	02-04-2021	03:10 PM - 04:50 PM	2	Topic 1: Introduction to Staad Pro, Study of various loads on structures and IS codes for design	Mr. Kuldeep Kushwaha
2	09-04-2021	03:10 PM - 04:50 PM	2	Topic 2: Analysis of continuous beam	Mr. Kuldeep Kushwaha
3	16-04-2021	03:10 PM - 04:50 PM	2	Topic 3: Analysis of steel truss	Mr. Kuldeep Kushwaha
4	23-04-2021	03:10 PM - 04:50 PM	2	Topic 4: Analysis of single storeyed frame	Mr. Kuldeep Kushwaha
5	07-05-2021	03:10 PM - 04:50 PM	2	Topic 5: Analysis of electrical transmission tower	Mr. Kuldeep Kushwaha
6	14-05-2021	03:10 PM - 04:50 PM	2	Topic 6: Analysis of overhead rectangular water tank	Mr. Kuldeep Kushwaha
7	21-05-2021	03:10 PM - 04:50 PM	2	Topic 7: Analysis of circular water tank	Mr. Kuldeep Kushwaha
8	04-06-2021	03:10 PM - 04:50 PM	2	Topic 8: Analysis of multi-storeyed frames	Mr. Kuldeep Kushwaha
9	11-06-2021	03:10 PM - 04:50 PM	2	Topic 9: Design of beams	Mr. Kuldeep Kushwaha
10	18-06-2021	03:10 PM - 04:50 PM	2	Topic 10: Design of columns	Mr. Kuldeep Kushwaha
11	25-06-2021	03:10 PM - 04:50 PM	2	Topic 11: Design of Slabs	Mr. Kuldeep Kushwaha
12	02-07-2021	02:20 PM - 04:50 PM	3	Topic 12: Design of multi-storeyed buildings	Mr. Kuldeep Kushwaha
13	09-07-2021	02:20 PM - 04:50 PM	3	Topic 13: Analysis of Footings	Mr. Kuldeep Kushwaha
14	16-07-2021	02:20 PM - 04:50 PM	3	Topic 14: Analysis of Bridge Deck	Mr. Kuldeep Kushwaha
15	23-07-2021	02:20 PM - 04:50 PM	3	Quiz and Practical Exam	Mr. Kuldeep Kushwaha
16	30-07-2021	03:10 PM - 04:50 PM	2	Evaluation of Quiz and Practical Exam	Mr. Kuldeep Kushwaha
Total Number of Lectures covered			36 (30 Hrs.)		


Director
**Hindustan College of
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FARAH (MATHURA)


Department of Civil Engg.
Hindustan College of Science & Technology
Farah, Mathura





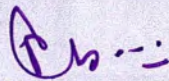
HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, FARAH -MATHURA
DEPARTMENT OF CIVIL ENGINEERING

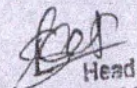


Value Added Course
VCE 2003 - Introduction to STAAD Pro.V8i
2nd April 2021 - 30th July 2021 - Every Friday: 3:10 PM - 4:50 PM

Course Execution

Session	Date	Time	No of- Lectures	Session Topic	Resource Person
1	02-04-2021	03:10 PM - 04:50 PM	2	Topic 1: Introduction to Staad Pro, Study of various loads on structures and IS codes for design	Mr. Kuldeep Kushwaha
2	09-04-2021	03:10 PM - 04:50 PM	2	Topic 2: Analysis of Continuous beam	Mr. Kuldeep Kushwaha
3	16-04-2021	03:10 PM - 04:50 PM	2	Topic 3: Analysis of Steel truss	Mr. Kuldeep Kushwaha
4	23-04-2021	03:10 PM - 04:50 PM	2	Topic 4: analysis of single storeyed frame	Mr. Kuldeep Kushwaha
5	07-05-2021	02:20 PM - 04:50 PM	3	Topic 5: Analysis of Electrical Transmission Tower	Mr. Kuldeep Kushwaha
6	14-05-2021	03:10 PM - 04:50 PM	2	Topic 6: Analysis of overhead rectangular water tank	Mr. Kuldeep Kushwaha
7	21-05-2021	03:10 PM - 04:50 PM	2	Topic 7: Analysis of overhead circular water tank	Mr. Kuldeep Kushwaha
8	04-06-2021	02:20 PM - 04:50 PM	3	Topic 8: Analysis of multi-storeyed frames	Mr. Kuldeep Kushwaha
9	11-06-2021	03:10 PM - 04:50 PM	2	Topic 8: Design of beams	Mr. Kuldeep Kushwaha
10	18-06-2021	03:10 PM - 04:50 PM	2	Topic 9: Design of columns	Mr. Kuldeep Kushwaha
11	25-06-2021	03:10 PM - 04:50 PM	3	Topic 9: Design of multi-storeyed building	Mr. Kuldeep Kushwaha
12	09-07-2021	02:20 PM - 04:50 PM	3	Topic 10: Design of slabs and steel trusses,	Mr. Kuldeep Kushwaha
13	16-07-2021	02:20 PM - 04:50 PM	3	Topic 12: Analysis of footings and bridge Deck	Mr. Kuldeep Kushwaha
14	23-07-2021	02:20 PM - 04:50 PM	3	Quiz & Practical Exam	Mr. Kuldeep Kushwaha
15	30-07-2021	03:10 PM - 04:50 PM	2	Evaluation of Quiz and Practical Exam	Mr. Kuldeep Kushwaha
Total Number of Lectures covered			36 (30 Hrs.)		


Director
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FARAH (MATHURA)


Head
Department of Civil Engg.
Hindustan College of Science & Technology
Farah, Mathura

Hindustan College of Science and Technology - Mathura

Department Name: Civil Engineering

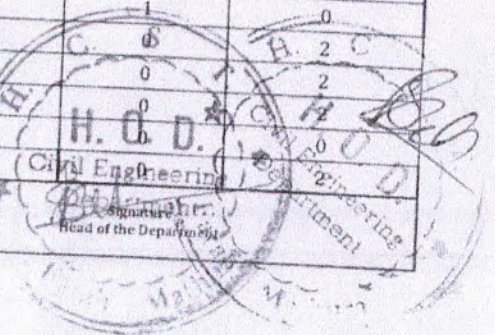
CLASS TIME TABLE FOR Even SEMESTER 2020-21

SESSION:	2019-20		W.E.F.:	01.04.2021		CLASS TEACHER:	Anand Prabhat Verma		
YEAR/SEM-SEC:	2nd year / 4TH SEM/ A		ROOM.NO.:	354		COUNSELLORS:	Anand Prabhat Verma		
Time / Day	I 10:10 TO 11:00	II 11:00 TO 11:50	III 11:50 TO 12:40	IV 12:40 TO 01:30	V 01:30 TO 02:20	VI 02:20 TO 03:10	VII 03:10 TO 04:00	VIII 04:00 TO 04:50	
MONDAY	MATH-III	MT&CP	PYTHON	ITSM	Lunch	HEAM	HYDRAULIC ENGINEERING AND MACHINES LAB		
TUESDAY	HEAM	MT&CP	MATH-III	TC		PDP		HEAM	
WEDNESDAY	TC	ITSM	HEAM	MATH-III		ITSM (T)	SOLID MECHANICS LAB		
THURSDAY	ITSM	PDP		TC		PYTHON	MATERIAL TESTING LAB		
FRIDAY	MT&CP	HEAM (T)	MATH-III	ITSM		PYTHON	STAAD. Pro (SKILL DEVELOPMENT LAB)		
SATURDAY	MT&CP	HEAM	PYTHON	MATH-III (T)		MT&CP (T)	TC	ITSM / HEAM EXTRA CLASS	
	Subject Name		Subject Code	Faculty Name		Total No. of Lect./Tut./Practical			
	MATH-III		KAS-403	Dr. Salim Ahmad		Lect.	Tut.	Pract.	
	Technical Communication		KAS401	Dr. Y.Singh		4	1	0	
	MATERIALS TESTING & CONSTRUCTION PRACTICES		KCE401	Anand Prabhat Verma		4	0	0	
	INTRODUCTION TO SOLID MECHANICS		KCE402	Rohit Maurya		4	1	0	
	HYDRAULIC ENGINEERING AND MACHINES		KCE403	KULDEEP		4	1	0	
	MATERIAL TESTING LAB		KCE451	Anand Prabhat Verma		5	1	0	
	SOLID MECHANICS LAB		KCE452	Rohit Maurya		0	0	0	
	HYDRAULIC ENGINEERING AND MACHINES LAB		KCE453	KULDEEP		0	0	0	
	PYTHON		KNC401	KULDEEP		0	0	0	
	STAAD. Pro (SKILL DEVELOPMENT LAB)			KULDEEP		4	0	0	
						0	0	0	

Signature Time Table Incharge

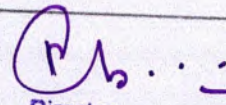
Director

Hindustan College of Science & Technology FARAH (MATHURA)



Hindustan College of Science and Technology - Mathura
 Department Name: Civil Engineering
 CLASS TIME TABLE FOR EVEN SEMESTER 2020-21

SESSION:	2019-20		W.E.F.:	05.04.2021		CLASS TEACHER:	Er. Rohit Maurya			
YEAR/SEM-SEC:	3rd year / VIth SEM/ A		ROOM.NO.:	350		COUNSELLORS:	Er. Rohit Maurya			
Time / Day	I 10:10 TO 11:00	II 11:00 TO 11:50	III 11:50 TO 12:40	IV 12:40 TO 01:30	V 01:30 TO 02:20	VI 02:20 TO 03:10	VII 03:10 TO 04:00	VIII 04:00 TO 04:50		
MONDAY	TE	EE	TRANSPORTATION LAB			Lunch	ITMEMS	FD	DCS / FD EXTRA CLASS	
TUESDAY	FD	PDP		DCS	EIT		EE	DCS / FD EXTRA CLASS		
WEDNESDAY	ITMEMS	DCS	EE	TE	EIT		Environmental Engineering Lab			
THURSDAY	DCS	TE	FD	ITMEMS	PDP		DCS (T)			
FRIDAY	FD	ITMEMS	EE	TE	FD (T)		STAAD. Pro (SKILL DEVELOPMENT LAB)			
SATURDAY	EE (T)	EIT	DCS	TE (T)	ITMEMS (T)		Structural Detailing Lab			
Name of the Subject			Subject Code	Name of the Faculty			Total No. of Lect./Tut./Practical			
Design of Concrete Structures			KCE601	Anand Prabhat Verma		Lect.	Tut.	Pract.		
Transportation Engineering			KCE602	Kuldeep		4	0	0		
Environmental Engineering			KCE603	Saket Bihari		4	0	0		
Foundation Engineering			KCE064	Rohit Maurya		4	1	0		
Introduction to MEMS			KOE063	Rohit Mittal		4	1	0		
Essence of Indian Traditional Knowledge/Constitution of India				Shashi Shekhar		4	1	0		
Transportation Engineering Lab			KCE651	Kuldeep		4	1	0		
Environmental Engineering Lab			KCE652	Saket Bihari		0	0	2		
Structural Detailing Lab			KCE653	Kuldeep		0	0	2		
STAAD. Pro(SKILL DEVELOPMENT LAB)				Kuldeep		0	0	2		
Signature						0	0	2		
Time Table Incharge						0	0	2		


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 FARAH (MATHURA)



Hindustan College of Science & Technology, Farah (Mathura)						
Department of Civil Engineering						
Value Added Course - Registration Form						
Course Name: Introduction to STAAD Pro.V8i				Course Code: VCE2003		
Session: 2020-21				From: 02-04-2021 To: 30-07-2021		
Sr. No.	Roll No.	Name	Department	Semester	Signature	
1	1900640000001	Akshat Kumar Rao	Civil	IV	Akshat	
2	1900640000002	Ankit Kumar	Civil	IV	Ankit Kumar	
3	1900640000003	Bhanu	Civil	IV	Bhanu	
4	1900640000004	Omprakash Thakur	Civil	IV	Omprakash	
5	1900640000005	Pragyan Kumar Ghosh	Civil	IV	Pragyan	
6	1900640000007	Rajat Singh	Civil	IV	Rajat	
7	1900640000008	Shivam Yadav	Civil	IV	Shivam	
8	1900640000009	Viraj Sharma	Civil	IV	Viraj	
9	2000640009001	Deepak Kumar	Civil	IV	Deepak Kumar	
10	2000640009002	Pranjal Soni	Civil	IV	Pranjal	
11	1806400001	Aanchal Jain	Civil	VI	Aanchal	
12	1806400002	Alok	Civil	VI	Alok	
13	1806400003	Arush Singh	Civil	VI	Arush Singh	
14	1806400004	Atul Kumar	Civil	VI	Atul Kumar	
15	1806400005	Devesh Chaudhary	Civil	VI	Devesh	
16	1806400006	Gourav Chakraworty	Civil	VI	Gourav	
17	1806400008	Harsh Garg	Civil	VI	Harsh	
18	1806400009	Ishita Agrawal	Civil	VI	Ishita	
19	1806400011	Kaif Ali	Civil	VI	Kaif Ali	
20	1806400013	Kunal Yadav	Civil	VI	Kunal	
21	1806400014	Manoj Kumar	Civil	VI	Manoj	
22	1806400016	Mukul Nirala	Civil	VI	Mukul	
23	1806400017	Muntazir Ayaz	Civil	VI	Muntazir Ayaz	
24	1806400018	Nikhil Gupta	Civil	VI	Nikhil	
25	1806400019	Nishank Kumar	Civil	VI	Nishank	
26	1806400021	Rishabh Sharma	Civil	VI	Rishabh	
27	1806400022	Rohit Shukla	Civil	VI	Rohit Shukla	
28	1806400024	Shamim Alam	Civil	VI	Shamim Alam	
29	1806400025	Sumit Goyal	Civil	VI	Sumit Goyal	
30	1806400026	Suraj Verma	Civil	VI	Suraj Verma	
31	1806400027	Vishal Khare	Civil	VI	Vishal Khare	
32	1806400028	Vishwas Verma	Civil	VI	Vishwas Verma	
33	1900640009001	Ashutosh Mishra	Civil	VI	Ashutosh	
34	1900640009002	Kushank Singh	Civil	VI	Kushank Singh	
35	1812600001	Abhishek	Civil	VI	Abhishek	
36	1812600004	Himanshu Yadav	Civil	VI	Himanshu	
37	1812600008	Sachin	Civil	VI	Sachin	

[Signature]

Head
Department of Civil Engg.
Hindustan College of Science & Technology
Farah, Mathura

[Signature]

Director
Hindustan College of
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FARAH (MATHURA)

Hindustan College of Science & Technology, Farah (Mathura)

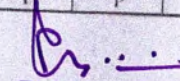
Department of Civil Engineering
Value Added Course - Attendance sheet

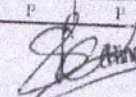
Course Name: Introduction to STAAD Pro.V8i

Course Code:VCE2003

Session 2020-21 (Year 2021) Session wise Attendance Sheet (Online)

S. No.	Roll No.	Name	SEM	Session	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
				Date	2-Apr	9-Apr	16-Apr	23-Apr	7-May	14-May	21-May	4-Jun	11-Jun	18-Jun	25-Jun	9-Jul	16-Jul	23-Jul	30-Jul
				Time	3:10-4:50	3:10-4:50	3:10-4:50	3:10-4:50	2:20-4:50	3:10-4:50	3:10-4:50	3:10-4:50	3:10-4:50	3:10-4:50	3:10-4:50	2:20-4:50	2:20-4:50	2:20-4:50	2:20-4:50
Period	2	2	2	2	3	2	2	2	3	2	2	3	2	3	3	3	3	2	
1	1900640000001	Akshat Kumar Rao	IV		P	P	P	A	P	P	P	P	P	A	P	P	P	P	P
2	1900640000002	Ankit Kumar	IV		P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
3	1900640000003	Bhanu	IV		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	1900640000004	Oniprakash Thakur	IV		P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
5	1900640000005	Pragyan Kumar Ghosh	IV		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	1900640000007	Rajat Singh	IV		P	P	P	P	P	P	P	P	A	P	P	A	P	P	P
7	1900640000008	Shivam Yadav	IV		P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
8	1900640000009	Viraj Sharma	IV		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	2000640009001	Deepak Kumar	IV		P	P	P	P	P	P	P	A	P	P	P	P	A	P	P
10	2000640009002	Pranjal Soni	IV		P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
11	1806400001	Aanchal Jain	VI		A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	1806400002	Alok	VI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	1806400003	Arush Singh	VI		P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
14	1806400004	Atul Kumar	VI		P	A	P	P	P	P	P	P	A	P	A	P	P	P	P
15	1806400005	Devesh Chaudhary	VI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	1806400006	Gourav Chakraborty	VI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	1806400008	Harsh Garg	VI		A	P	P	A	P	P	P	P	P	P	P	P	P	P	P
18	1806400009	Ishita Agrawal	VI		P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
19	1806400011	Kaif Ali	VI		P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
20	1806400013	Kunal Yadav	VI		P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
21	1806400014	Manoj Kumar	VI		P	P	P	P	P	P	A	P	P	P	A	P	P	P	P
22	1806400016	Mukul Nirala	VI		P	P	P	P	A	A	P	P	P	P	P	P	P	P	P
23	1806400017	Muntazir Ayaz	VI		P	A	P	P	P	P	P	P	P	P	A	P	A	P	P
24	1806400018	Nikhil Gupta	VI		P	P	P	P	A	P	P	P	P	P	P	A	P	P	P
25	1806400019	Nishank Kumar	VI		P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
26	1806400021	Rishabh Sharma	VI		A	A	P	P	P	P	P	P	A	P	P	P	P	P	P
27	1806400022	Rohit Shukla	VI		P	P	A	P	P	P	P	A	P	P	P	A	A	P	P
28	1806400024	Shamim Alam	VI		P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
29	1806400025	Sumit Goyal	VI		P	A	P	P	P	P	A	P	P	P	P	P	P	P	P
30	1806400026	Suraj Verma	VI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	1806400027	Vishal Khare	VI		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	1806400028	Vishwas Verma	VI		P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
33	1900640009001	Ashutosh Mishra	VI		A	P	P	A	P	P	P	A	P	P	P	P	P	P	P
34	1900640009002	Kushank Singh	VI		P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
35	1812600001	Abhishek	VI		P	P	A	P	A	A	P	P	P	A	P	P	P	P	P
36	1812600004	Himanshu Yadav	VI		P	P	P	P	P	P	A	P	P	P	P	A	A	A	A
37	1812600008	Sachin	VI		P	P	P	A	P	P	A	P	P	P	P	P	P	P	P


Director
Hindustan College of
Science & Technology
FARAH (MATHURA)


Head
Department of Civil Engg.
Hindustan College of Science & Technology
Farah, Mathura



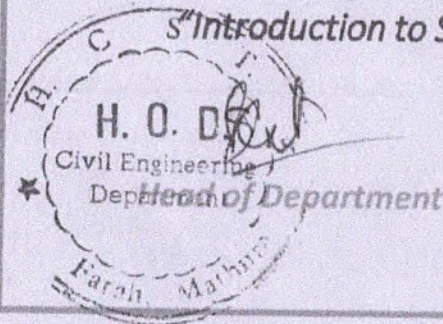
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Certificate of Completion

Department of Civil Engineering
Academic Session 2020-21

This is to certify that Mr. Shivam Yadav (Roll No: 1900640000008), Department of Civil Engineering has successfully completed 30 hours of Value Added Course VCE 2003 titled "Introduction to STAAD Pro.V8i".



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Course Coordinator

Director

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Director
Hindustan College of
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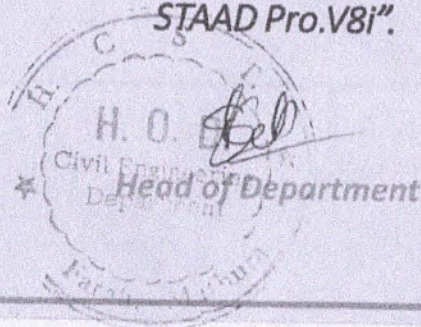
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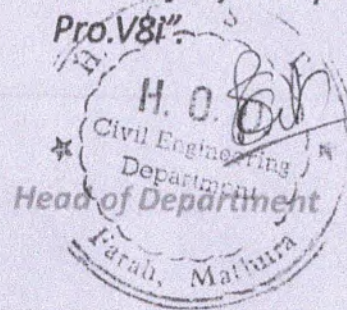
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This is to certify that Mr. Sumit Goyal (Roll No: 1806400025), Department of Civil Engineering has successfully completed 30 hours of Value Added Course VCE 2003 titled "Introduction to STAAD Pro.V8i".



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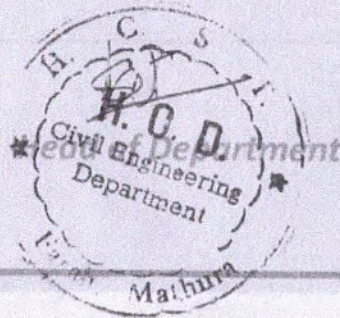
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