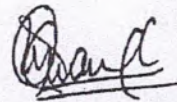


Hindustan College of Science & Technology, Farah, Mathura  
Department of Mechanical Engineering

Date: 13.01.2023

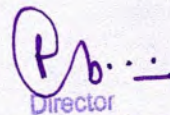
Notice

All the students of Department of Mechanical Engineering are hereby informed that the registration for value added course "*Solid Works (VME2206)*" will be started from 14<sup>th</sup> Jan 2023 and the last date for registration is 18<sup>th</sup> Jan 2023. **The regular classes for value added course will be started from 21<sup>th</sup> Jan 2023.** All of you are advised to register yourself timely.



HOD, Mechanical Engineering

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



Director  
Hindustan College of  
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FARAH (MATHURA)



**HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY,  
FARAH -MATHURA**

**DEPARTMENT MECHANICAL ENGINEERING**



*Value Added Course: Solid Works*

*VAC-22-23-VME2206*

*21<sup>th</sup> Jan '2023 -6<sup>th</sup> May 2023 - Every Saturday: 2:40 PM - 4:20 PM*

***Students From Any Branch Can Join the Course***



**By**

**Mr. Raj Vardhan**

**Assistant Professor, Mechanical Engineering**

**Research Interest: Applied Mechanics**

**Registration Dates**

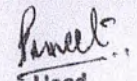
**14<sup>th</sup> Jan 2023 -18<sup>th</sup> Jan 2023**

**For Registration: Please contact**

**Mrs. Geeta Gupta, Office Staff, Department of ME**

**Prerequisites: Basics of laws related to mechanics of solids**

  
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FARAH -MATHURA



DEPARTMENT OF MECHANICAL ENGINEERING

*Value Added Course: Solid Works*  
*VAC-22-23-VME2206*

*21<sup>th</sup> Jan '2023 –6<sup>th</sup> May 2023 - Every Saturday: 2:40 PM – 4:20 PM*

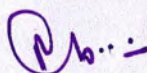
**Course Objectives**

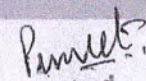
The main objective of this value added course are as follows:

1. 2D sketching
2. Using 3D features to build bodies
3. Using assembly features to combine more than one part
4. Basic introduction of SolidWorks simulator

**Course Syllabus**

Units	Details	Course Out comes
1	SolidWorks Basics and the User Interface, Introduction to Sketching, Basic Part Modeling	CO1
2	Symmetry and Draft, Patterning, Revolved Features, Shelling and Ribs	CO2
3	Editing: Repairs, Editing: Design Changes, Configurations, Using Drawings	CO3
4	Bottom-Up Assembly Modeling , Use of Assemblies, Project Evaluation	CO4

  
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**HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY,  
FARAH -MATHURA**



**DEPARTMENT OF MECHANICAL ENGINEERING**

*Value Added Course: Solid Works*

*VAC-22-23-VME2206*

*21<sup>st</sup> Jan '2023 –6<sup>th</sup> May 2023 - Every Saturday: 2:40 PM – 4:20 PM*

**Evaluation Criteria: 1. Evaluation of Practical assignments, Group project, Viva/Quiz**

**Course Outcomes**

**CO-PO Mappings**

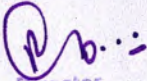
CO1 Demonstrate competency with multiple drawing and modification commands in SolidWorks.

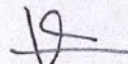
CO2 Create three-dimensional solid models.

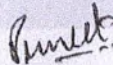
CO3 Create three-dimensional assemblies incorporating multiple solid models.

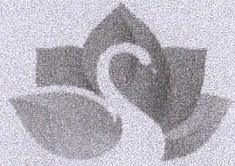
CO4 Apply industry standards in the preparation of technical mechanical drawings.

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	3											3	
CO2	1	1												3
CO3	1		3										2	
CO4			2		2									2
Average	2	2	2.5		2								2.5	2.5

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



**SHARDA**  
GROUP

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

*Value Added Course: Solid Works*

*VAC-22-23-VME2206*

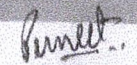
*21<sup>th</sup> Jan '2023 -6<sup>th</sup> May 2023 - Every Saturday: 2:40 PM - 4:20 PM*



**Program Schedule**


Session	Date	Time	No of Hours	Session Topic	Resource Person
1	21-Jan	2:40 PM - 4:20 PM	2	SolidWorks Basics and the User Interface	Mr.Raj Vardhan
2	28-Feb	2:40 PM - 4:20 PM	2	Introduction to Sketching	Mr.Raj Vardhan
3	04-Feb	2:40 PM - 4:20 PM	2	Basic Part Modeling	Mr.Raj Vardhan
4	11-Feb	2:40 PM - 4:20 PM	2	Symmetry and Draft	Mr.Raj Vardhan
5	25-Feb	2:40 PM - 4:20 PM	2	Patterning	Mr.Raj Vardhan
6	4-Mar	2:40 PM - 4:20 PM	2	Revolved Features	Mr.Raj Vardhan
7	11-Mar	2:40 PM - 4:20 PM	2	Shelling and Ribs	Mr.Raj Vardhan
8	18-Mar	2:40 PM - 4:20 PM	2	Editing: Repairs	Mr.Raj Vardhan
9	25-Mar	2:40 PM - 4:20 PM	2	Editing: Design Changes	Mr.Raj Vardhan
10	01-Apr	2:40 PM - 5:00 PM	3	Configurations	Mr.Raj Vardhan
11	08-Apr	2:40 PM - 5:00 PM	3	Drawings	Mr.Raj Vardhan
12	29-Apr	11:50 AM - 4:50 PM	6	Bottom-Up Assembly Modeling	Mr.Raj Vardhan
13	06-May	11:50 AM - 4:50 PM	6	Assemblies Drawing	Mr.Raj Vardhan
<b>Total Number of Hours covered</b>			<b>36</b>		

  
**Director**  
**Hindustan College of**  
**Science & Technology**  
**FARAH (MATHURA)**

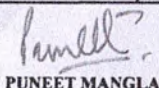
  
**Head**  
**Department of Mechanical Engg.**  
**Hindustan College of Science & Technology**  
**Farah, Mathura**

**Department Name: Mechanical Engineering**  
**CLASS TIME TABLE FOR EVEN SEMESTER 2022-23**

SESSION: 2022-23		W.E.F :		CLASS TEACHER:		Mr.Raj Vardhan			
YEAR/SEM-SEC: II YEAR / IV SEM		ROOM.NO : 154		COUNSELLORS :					
Time / Day	I	II	III	IV	01:20 - 01:50	V	VI	VII	VIII
	10:00 - 10:50	10:50 - 11:40	11:40 - 12:30	12:30 - 01:20		01:50 - 02:40	02:40 - 03:30	03:30 - 04:20	04:20 - 05:00
MONDAY	MP	HVPE	PYTHON	Maths IV	LUNCH BREAK	EM	AT	AT LAB	
	154	154	154	154		154	154	DK	
	RV	MS	AY	HS		SA	DK		
TUESDAY	EM	PDP		Maths IV		AT	MDG-II LAB		
	154	154		154		154			
	SA			HS		DK	PM/RM		
WEDNESDAY	EM	AT	HVPE	Maths IV		PYTHON	PDP	MP	
	154	154	154	154		154	154		154
	SA	DK	MS	HS		AY			RV
THURSDAY	EM	AT	MP	Maths IV		HVPE	PYTHON	MP	
	154	154	154	154		154	154	154	
	SA	DK	RV	HS		MS	AY	RV	
FRIDAY	EM	MP- LAB				Maths IV	HVPE	MP	AT(T)
	154					154	154	154	154
	SA	RV			HS	MS	RV	DK	
SATURDAY	Student Activity					Value Aided Course			
Name of the Subject		Subject Code	Name of the Faculty	Total No. of Lect./Tut./Practical in Subject					
				Lect.	Tut.		Pract.		
ATD	APPLIED THERMODYNAMICS	KME401	Mr. Dinesh Kumar	4	1				
EM	ENGINEERING MECHANICS	KME402	Dr. Sandeep Agrawal	4	1				
MS I	MANUFACTURING PROCESSES	KME403	Mr Raj Vardhan	4	1				
MATH	MATHS IV	KAS 402	Dr. Harendra Singh	4	1				
HVPE	HVPE	KVE 401	Dr. Mamta Sharma	4	1				
PYTHON	PYTHON PROGRAMMING	KNC 402	Mr. Amit Yadav	4					
MDG II LAB	COMPUTER AIDED MACHINE DRAWING II LAB	KME453	Dr.Puneet Mangla/Mr. Rohit Mittal				3		
AT LAB	APPLIED THERMODYNAMICS LAB	KME451	Mr. Dinesh Kumar				2		
MP LAB	MANUFACTURING PROCESSES LAB	KME452	Mr Raj Vardhan				3		
VAC	Value Added Course	VAC	Mr.Raj Vardhan/Mr.Rohit Mittal						



  
 Director  
**Hindustan College of  
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 FARAH (MATHURA)

  
 (PUNEET MANGLA)  
 HOD, Mech. Engg.  
**Department of Mechanical Engg.**  
**Hindustan College of Science & Technology**  
 Farah, Mathura

## Hindustan College of Science and Technology - Mathura

Department Name: Mechanical Engineering

### CLASS TIME TABLE FOR EVEN SEMESTER 2022-23

SESSION: 2022-23		MECHANICAL ENGINEERING				Effective from: 18/4/2023			
YEAR/SEM: 3rd Yr/ VI Sem		Room No. : 152				Class Teacher & Counsellor : Dr. R Prasad			
Time / Day	I	II	III	IV	01:20 - 01:50	V	VI	VII	VIII
	10:00 - 10:50	10:50 - 11:40	11:40 - 12:30	12:30 - 01:20		01:50 - 02:40	02:40 - 03:30	03:30 - 04:20	04:20 - 05:00
MONDAY	MD	RAC LAB		NDT	LUNCH BREAK	COI	TOM	IBM	RAC
	R PRASAD	Dilip Johari		PM		SSG	MD	AVNISH	DJ
TUESDAY	TOM	MD	RAC	NDT		IBM	TOM LAB		Library/counseling
	MD	R PRASAD	DJ	PM		AVNISH	MD		
WEDNESDAY	TOM	MD	RAC	NDT		IBM	MD LAB		
	MD	R PRASAD	DJ	PM		AVNISH	R PRASAD		
THURSDAY	COI	TOM	MD	RAC		PDP		IBM	NDT
	SSG	MD	R PRASAD	DJ				AVNISH	PM
FRIDAY	RAC	MD(T)	TOM	NDT		COI	PDP		
	DJ	R PRASAD	MD	PM					SSG
SATURDAY						Value Aided Course			
Subject S.No.	Subject code	Name of Subject		Abry. Used	Name of the Faculty Member		Faculty code	Faculty mob. No	
1	KNC601	Constitution of India		COI	Shashi Shekhar Gautam				
2	KME 601	Refrigeration & Air-conditioning		RAC	Mr.Dilip Johari				
3	KME602	Machine Design		MD	Dr.R.Prasad				
4	KME 603	Theory of Machine		TOM	Mr.Maresh Kumar Dhakar				
5	KME 061	Non destructive Testing		NDT	Dr.Puneet Mangla				
6	KOE060	Idea to Business Model		IBM	Mr. Avnish Singh				
7	KME 651	Refrigeration and Air Conditioning Lab		RAC LAB	Mr.Dilip Johari				
8	KME652	Machine Design Lab		MD LAB	Mr.R Prasad				
9	KME 653	Theory of Machine Lab		TOM LAB	Mr.Maresh Kumar Dhakar				
	VAC	Value Added Course		VAC	Mr.Raj Vardhan/Mr.Rohit Mittal				

Raj Vardhan  
O/C Time Table

Puneet Mangla  
(PUNEET MANGLA)  
HOD, Mech. Engg. Deptt.

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

Director  
Hindustan College of  
Science & Technology  
FARAH (MATHURA)

## Template : Value Added Course Registration Form

HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY, FARAH - MATHURA					
MECHANICAL ENGINEERING DEPARTMENT					
Value Added Course - Registration Form					
VME 2206 - Solid Works					
Session - 2022- 2023			From 21 <sup>st</sup> Jan '2023 - 6 <sup>th</sup> May 2023		
Sl. No	Roll No	Name	Department	Semester	Signature of the Student
1	2100640400001	Anirudh Singh	ME	IV	Anirudh
2	2100640400003	Harsh Vardhan	ME	IV	Harsh
3	2100640400004	Khushboo Upadhyay	ME	IV	Khushboo
4	2100640400005	Manas Gupta	ME	IV	Manas
5	2100640400008	Ritik Mohan Dubey	ME	IV	Ritik
6	2100640400009	Sachin	ME	IV	Sachin
7	2100640400011	Sumit Kumar	ME	IV	Sumit
8	2200640409001	Pushpjeet Yadav	ME	IV	Pushpjeet
9	2000640400001	Aatif Ziya	ME	VI	Aatif
10	2000640400002	Abhishek Saraswat	ME	VI	Abhi
11	2000640400003	Gauri Shankar	ME	VI	Gauri
12	2000640400004	Janved Kumar	ME	VI	Janved
13	2000640400005	Karan Mahor	ME	VI	Karan
14	2000640400005	Karan Singh	ME	VI	Karan
15	2000640400007	Kashish Gautam	ME	VI	Kashish
16	2000640400008	Piyush Lavania	ME	VI	Piyush
17	2000640400009	Sparsh Singh	ME	VI	Sparsh
18	2000640400010	Vikas Kumar Mishra	ME	VI	Vikas
19	2100640409001	Dhruv Yadav	ME	VI	Dhruv
20	2100640409002	Yogesh Singh	ME	VI	Yogesh

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

Director  
Hindustan College of  
Science & Technology  
FARAH (MATHURA)



# Hindustan College of Science & Technology

Department of Mechanical Engineering

Value Added Course - Attendance Sheet


**Course Name: Solid Works Course Code: VME2206**

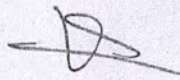
Session 2022-23 (Year-2022)

Session wise Attendance Sheet

S. No.	Roll No.	Name	SEM	Signature of the Students													
				1	2	3	4	5	6	7	8	9	10	11	12	13	
				21-Jan	28-Jan	4-Feb	11-Feb	4-Mar	11-Mar	18-Mar	25-Mar	1-Apr	8-Apr	29-Apr	6-May	13-May	
1	2100640400001	Anirudh Singh	III	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
2	2100640400003	Harsh Vardhan	III	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3	2100640400004	Khushboo Upadhyay	III	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4	2100640400005	Manas Gupta	III	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5	2100640400008	Ritik Mohan Dubey	III	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6	2100640400009	Sachin	III	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7	2100640400011	Sumit Kumar	III	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
8	2200640409001	Pushpjeet Yadav	III	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9	2000640400001	Aatif Ziya	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
10	2000640400002	Abhishek Saraswat	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11	2000640400003	Gauri Shankar	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
12	2000640400004	Janved Kumar	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
13	2000640400005	Karan Mahor	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
14	2000640400006	Karan Singh	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
15	2000640400007	Kashish Gautam	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
16	2000640400008	Piyush Lavania	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
17	2000640400009	Sparsh Singh	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
18	2000640400010	Vikas Kumar Mishra	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
19	2100640409001	Dhruv Yadav	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20	2100640409002	Yogesh Singh	V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

  
 Director  
**Hindustan College of Science & Technology**  
 FARAH (MATHURA)

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





HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY,  
FARAH -MATHURA

## *Certificate of Completion*

*Department of Mechanical Engineering*  
*Academic Session 2022-23*

***This is to certify that Mr/Ms Harsh Vardhan(Roll No. 2100640400001)Department of Mechanical Engineering has successfully completed 30 hours of Value Added Course VME-2206 titled "Solid Works".***

Head of Department

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

Course Coordinator

Director

Director  
Hindustan College of  
Science & Technology  
FARAH (MATHURA)

Director  
Hindustan College of  
Science & Technology  
FARAH (MATHURA)



HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY,  
FARAH -MATHURA

## *Certificate of Completion*

*Department of Mechanical Engineering*  
*Academic Session 2022-23*

***This is to certify that Mr/Ms Anirudh Singh(Roll No. 2100640400001)Department of Mechanical Engineering has successfully completed 30 hours of Value Added Course VME-2206 titled "Solid Works".***

Head of Department

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

Course Coordinator

Director

Hindustan College of  
Science & Technology  
FARAH (MATHURA)

Director

Hindustan College of  
Science & Technology  
FARAH (MATHURA)