

Hindustan College of Science & Technology, Farah, Mathura
Department of Electrical and Electronics Engineering

HCST/EE/ 2019/ ODD

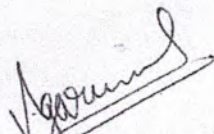
Date: 20/07/2019

NOTICE

All the students are hereby informed that the department of Electrical and Electronics Engineering is going to organize a training course in “**Electrical Vehicle**” (30 hrs. teaching+ practice session) in the department from 03-08-2019.

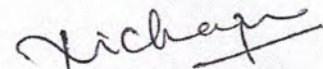
Registration will be open from **25 July, 2019 to 30 July, 2019**. Please insure that you complete your registration within this time frame.

For any further any inquiries or clarifications regarding registration, kindly reach out Mr. Sunil Pathak, Office Staff, department of EEE.



Mr. Vivek Agrawal

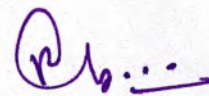
Course Coordinator



Mrs. Richa Kapoor

HOD, EEE, Deptt.

Head
Dept. of Electrical & Electronics Engg.
Hindustan College of Science & Technology
Farah, Mathura



Director

Hindustan College of
Science & Technology
FARAH (MATHURA)



HINDUSTAN COLLEGE OF SCIENCE & TECHNOLOGY,
FARAH -MATHURA

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



Value Added Course
VEE1901 – ELECTRIC VEHICLE

3rd AUG '2019 – 7th DEC 2019 - Every Saturday: 3:00 PM – 5:00 PM

Students From Any Branch Can Join the Course



By

Mr. Vivek Agrawal
Assistant Professor, Electrical & Electronics Engineering
Research Interest: Control System

Registration Dates
25th Jul 2019 – 30th Jul 2019

For Registration: Please contact
Mr. Sunil Pathak, Office Staff, Department of EEE

Prerequisites: Basics Electrical Engineering

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Value Added Course
VEE1901 – ELECTRIC VEHICLE

3rd AUG '2019 – 7th DEC 2019 - Every Saturday: 3:00 PM – 5:00 PM

Course Objectives

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

1. The course aims to provide a comprehensive understanding of the basic principles and components of electric vehicles (EVs).
2. The objective focuses on evaluating the environmental benefits and energy efficiency of electric vehicles compared to conventional internal combustion engine vehicles.
3. The objective aims to delve into the design and engineering aspects specific to electric vehicles.
4. The objective focuses on the charging infrastructure required to support electric vehicles.
5. The objective aims to provide insights into the policy framework and market dynamics shaping the adoption and growth of electric vehicles.

Prerequisites: Basic Electrical Engineering

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[Handwritten signature]
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3rd AUG '2019 – 7th DEC 2019 - Every Saturday: 3:00 PM – 5:00 PM

Course Syllabus

Units	Details	Course Out comes
1	Introduction to Electric Vehicles : Overview of Electric Vehicles, Definition and history of electric vehicles, Advantages and challenges of electric vehicles, Types of electric vehicles: BEVs, PHEVs, and HEVs, Electric vehicle architecture and system overview, Electric powertrain components: batteries, electric motors, power electronics, Energy storage systems: lithium-ion batteries, super capacitors, Overview of charging infrastructure for electric vehicles, Types of charging stations: Level 1, Level 2, and DC fast charging, Charging standards: CCS, CHAdeMO, Tesla Supercharger, etc.	CO1
2	Electric Vehicle Technology : Electric Motors and Controllers, Types of electric motors used in electric vehicles, Motor characteristics and performance parameters, Motor controllers and their role in controlling motor operation, Battery Technologies, Lithium-ion battery chemistry and operation, Battery pack design and management systems, Battery charging and discharging characteristics, Power electronics components and their functions, DC-DC converters and inverters in electric vehicles, Power electronics control strategies and efficiency optimization	CO2
3	Electric Vehicle Design and Manufacturing : Electric Vehicle Design Considerations, Vehicle platform selection and integration, Safety considerations in electric vehicle design, Aerodynamics and energy efficiency optimization, Electric Vehicle Manufacturing Processes, Manufacturing techniques for electric vehicle components, Assembly processes for electric vehicle production, Quality control and testing in electric vehicle manufacturing, Electric Vehicle Safety and Regulations, Safety standards and regulations for electric vehicles, Crash testing and safety features in electric vehicles, Battery safety and handling considerations	CO3
4	Electric Vehicle Infrastructure and Charging : Charging Infrastructure Planning, Infrastructure planning for residential, commercial, and public charging, Grid integration and smart charging solutions, Managing peak loads and demand response strategies, Charging Station Installation and Maintenance, Charging station installation requirements and considerations, Safety regulations and guidelines for charging infrastructure, Maintenance and troubleshooting of charging stations, Vehicle-to-Grid (V2G) and Vehicle-to-Home (V2H) Technologies, Introduction to V2G and V2H concepts, Benefits and applications of V2G and V2H technologies, Challenges and future prospects of V2G and V2H	CO4
5	Electric Vehicle Market and Future Trends : Market Trends and Economics of Electric Vehicles, Global and regional electric vehicle market analysis, Government policies and incentives driving electric vehicle adoption, Total cost of ownership and economic considerations, Recent advancements in electric vehicle technology, Battery advancements: solid-state batteries, new chemistries, Autonomous driving and connected vehicle technologies, Future trends and developments in electric vehicles, Environmental sustainability and lifecycle analysis, Addressing infrastructure challenges and range anxiety	CO5

Prerequisites: Basic Electrical Engineering

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3rd AUG '2019 – 7th DEC 2019 - Every Saturday: 3:00 PM – 5:00 PM

Course Outcomes

- CO1** Students will gain a comprehensive understanding of the key principles and concepts underlying electric vehicle technology. This includes knowledge of electric motors, batteries, power electronics, and energy management systems in electric vehicles.
- CO2** Students will learn how to analyze and evaluate the performance of various electric vehicle systems, including range, efficiency, power delivery, and charging infrastructure. They will develop skills in conducting performance tests and interpreting the results to assess the overall performance and efficiency of electric vehicles.
- CO3** This course will equip students with the skills to design and implement electric vehicle components and systems. They will learn about the design considerations for electric vehicle motors, batteries, power electronics, and control systems. Students will gain practical experience in designing electric vehicle systems through hands-on projects and simulations..
- CO4** Students will learn to identify the challenges and explore potential solutions. They will study emerging technologies and trends in electric vehicle development to address issues such as range anxiety, battery degradation, and charging infrastructure expansion.
- CO5** Students will be able to evaluate the overall benefits and challenges associated with the widespread adoption of electric vehicles.

CO-PO Mappings

CO5	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3												2	3
CO2	3	3	3										3	2
CO3	3	3	3		3	3						3	3	3
CO4	3	3	3		3	3						3	3	3
CO5	3	3	3		3	3						3	3	3
Average	3	3	3		3	3						3	3	2.8

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

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Director
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[Signature]
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



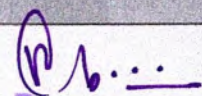
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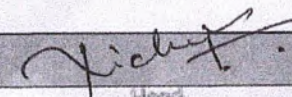
3rd AUG '2019 – 7th DEC 2019 - Every Saturday: 3:00 PM – 5:00 PM

Program Schedule

Session	Date	Time	No of Hours	Session Topic	Resource Person
1	03/08/19	3:00 PM - 5:00 PM	2	Overview of Electric Vehicles	Mr. Vivek Agrawal
2	10/08/19	3:00 PM - 5:00 PM	2	Electric Vehicle Components	Mr. Vivek Agrawal
3	17/08/19	3:00 PM - 5:00 PM	2	Charging Infrastructure	Mr. Vivek Agrawal
4	31/08/19	3:00 PM - 5:00 PM	2	Electric Motors and Controllers	Mr. Vivek Agrawal
5	07/09/19	3:00 PM - 5:00 PM	2	Battery Technologies	Mr. Vivek Agrawal
6	14/09/19	3:00 PM - 5:00 PM	2	Power Electronics in Electric Vehicles	Mr. Vivek Agrawal
7	21/09/19	3:00 PM - 5:00 PM	2	Electric Vehicle Design Considerations	Mr. Vivek Agrawal
8	28/09/19	3:00 PM - 5:00 PM	2	Electric Vehicle Manufacturing Processes	Mr. Vivek Agrawal
9	05/10/19	3:00 PM - 5:00 PM	2	Electric Vehicle Safety and Regulations	Mr. Vivek Agrawal
10	12/10/19	3:00 PM - 5:00 PM	2	Charging Infrastructure Planning	Mr. Vivek Agrawal
11	02/11/19	3:00 PM - 5:00 PM	2	Charging Station Installation and Maintenance	Mr. Vivek Agrawal
12	19/11/19	3:00 PM - 5:00 PM	2	Vehicle-to-Grid (V2G) and Vehicle-to-Home (V2H) Technologies	Mr. Vivek Agrawal
13	16/11/19	3:00 PM - 5:00 PM	2	Market Trends and Economics of Electric Vehicles	Mr. Vivek Agrawal
14	23/11/19	3:00 PM - 5:00 PM	2	Emerging Technologies in Electric Vehicles	Mr. Vivek Agrawal
15	30/11/19	3:00 PM - 5:00 PM	2	Future Outlook and Challenges	Mr. Vivek Agrawal
16	07/12/19	3:00 PM - 5:00 PM	2	Battery Technology	Mr. Vivek Agrawal
Total Number of Hours covered			32		

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 Head
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Hindustan College of Science and Technology - Mathura
Electrical and Electronics Department
CLASS TIME TABLE FOR ODD SEMESTER 2019-20

SESSION: 2019-20

W.E.F: 02/08/2019

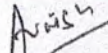
CLASS TEACHER: Mr. Vineet Kumar

YEAR/SEM-SEC: 2nd Year/ 3rd Sem

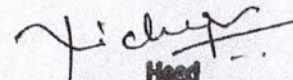
ROOM.NO: 108

COUNSELLORS : Mr. Vineet Kumar

Time / Day	I	II	III	IV	V	VI	VII	VIII
	10:10 TO 11:00	11:00 TO 11:50	11:50 TO 12:40	12:40 TO 01:30		01:30 TO 02:20	02:20 TO 03:00	03:00 TO 04:00
MONDAY	BSS AS 108	EE SS 108	CSC BP 108	EMFT HK 108	LUNCH	TC MS 108	EMI Lab TR / VK 106	
TUESDAY	EMI VK 108	PDP		EMFT HK 108		CSC BP 108	TC (T) MS 108	BSS AS 108
WEDNESDAY	EMI VK 108	Analog Electronics Lab JY / SS 302		TC MS 108		BSS AS 108	EW Lab TR / AS 101	
THURSDAY	EMI VK 108	EE SS 108	EE (T) SS 108	EMFT (T) HK 108		CSC (T) BP 108	EMFT HK 108	LIB
FRIDAY	EMI VK 108	EE SS 108	TC MS 108	EMFT HK 108		PDP		BSS AS 108
SATURDAY	CSC BP 108	EE SS 108	Mini Project Lab TR / SK 101			EMI (T) VK 108	Value Added Course Mr. Vivek Agrwal 101	
Name of the Subject			Subject Code	Name of the Faculty		Total No. of Lect./Tut./Practical		
						Lect.	Tut.	Pract.
Electrical Measurements & Instrumentation (EMI)			KEE302	Mr. Vineet Kumar		4	1	0
Basic Signals & Systems (BSS)			KEE303	Mr. Avnish Singh		4	0	0
Electromagnetic Field Theory (EMFT)			KEE301	Mr. Honey Kumar		4	1	0
Electronics Engineering (EE)			KOE038	Mr. Sanjay Singh		4	1	0
Technical Communication (TC)			KAS301	Dr. Mamta Sharma		3	1	0
Computer System Security			KNC301	Ms. Bhooprabha Bharti		3	1	0
Electrical Measurements & Instrumentation Lab (EMI)			KEE352	Mr. Vineet Kumar				2
Electrical Workshop Lab (EW)			KEE353	Mr. Avnish Singh				2
Analog Electronics Lab (AE)			KEE351	Mr. Sanjay Singh				2
Mini Project (MP)			KEE354	Dr. Sanjeev Kumar				2
Value Added Course			VEE 1901	Mr. Vivek Agarwal				2
PDP				T & D Deptt.				4


 Avnish Singh
 Time Table Incharge


 Director
 Hindustan College of
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 FARAH (MATHURA)

Dr. Richa Kapoor
 HOD, EE

 Head
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 Hindustan College of Science & Technology
 Farah, Mathura

Hindustan College of Science and Technology - Mathura
Electrical and Electronics Department
CLASS TIME TABLE FOR ODD SEMESTER 2019-20

SESSION: 2019-20
 YEAR/SEM-SEC: 3rd Year/ 5th Sem

W.E.F : 02/08/19
 ROOM.NO : 107

CLASS TEACHER: Mr. Avnish Singh
 COUNSELLORS : Mr. Avnish Singh

Time / Day	I	II	III	IV	V	VI	VII	VIII
	10:10 TO 11:00	11:00 TO 11:50	11:50 TO 12:40	12:40 TO 01:30	01:30 TO 02:20	02:20 TO 03:00	03:00 TO 04:00	04:00 TO 05:00
MONDAY	PTD SK 107	EM-II RK 107	CS AS 107	ME AP 107	LUNCH	CS LAB JY/AS 111		LIB
TUESDAY	ME AP 107	EM-II RK 107	Cyber Sec HK 108	PC VK 107		PDP		PTD SK 107
WEDNESDAY	Cyber Sec HK 108	SEMINAR-I AS 110		ME AP 107		PC VK 107	PTD (T) SK 107	EM-II RK 107
THURSDAY	CS AS 107	SBPS LAB JY/SK 110		EM-II RK 107		PC (T) VK 107	Cyber Sec HK 108	LIB
FRIDAY	CS AS 107	PTD SK 107	EM-II LAB JY / AS 109			Cyber Sec HK 108	PC VK 107	ME AP 107
SATURDAY	PTD SK 107	PDP		PC VK 107		CS AS 107	Value Added Course Mr. Vivek Agarwal 101	
Name of the Subject			Subject Code	Name of the Faculty		Total No. of Lect./Tut./Practical		
					Lect.	Tut.	Pract.	
Managerial Economics (ME)			RAS501	Mr. Anand Porush	4	0	0	
Cyber Security			RUC501	Mr. Honey Kumar	4	0	0	
Electrical Machines - II (EM-II)			REE501	Dr. Richa Kapoor	4	0	0	
Power Transmission & Distribution (PTD)			REE502	Dr. Sanjeev Kumar	4	1	0	
Control System (CS)			REE503	Mr. Avnish Singh	4	0	0	
Principles of Communication (PC)			REE052	Mr. Vineet Kumar	4	1	0	
Electrical Machines - II Lab (EM-II Lab)			REE551	Mr. Avnish Singh			2	
Control System Lab (CS Lab)			REE553	Mr. Avnish Singh			2	
SBPS Lab			REE554	Dr. Sanjeev Kumar			2	
Seminar -I			REE555	Mr. Avnish Singh			2	
Value Added Course			VEE 1901	Mr. Vivek Agarwal			2	
PDP				T & D Deptt.			4	

Avnish
 Avnish Singh
 Time Table Incharge

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

Richa
 Head
 Dept. of Electrical & Electronics Engg
 Hindustan College of Science & Technology
 Farah, Mathura

Hindustan College of Science and Technology - Mathura
Department Name: Electrical & Electronics Engg.
CLASS TIME TABLE FOR ODD SEMESTER 2019-20

SESSION: 2019-20
 YEAR/SEM-SEC: 4th /7th SEM

W.E.F : 02 /08/19
 ROOM.NO : 104

CLASS TEACHER: Dr. Sanjeev Kumar
 COUNSELLORS : Dr. Sanjeev Kumar

Time / Day	I	II	III	IV	V	VI	VII	VIII	
	10:10 TO 11:00	11:00 TO 11:50	11:50 TO 12:40	12:40 TO 01:30	01:30 TO 02:20	02:20 TO 03:00	03:00 TO 04:00	04:00 TO 05:00	
MONDAY	Comm. Sys	TDT	MSD	LUNCH	PSP	INDUSTRIAL TRAINING			
	HK	VINEET KUMAR	Ashok Verma		RICHA KAPOOR	SK			
	104	104	104		104	104			
TUESDAY	Comm. Sys	MSD	UEEET		TDT	POWER SYSTEM LAB		MSD (T)	
	HK	Ashok Verma	SANJEEV KUMAR		VINEET KUMAR	TR / RK		Ashok Verma	
	104	104	104		104	106		104	
WEDNESDAY	MSD	UEEET	PSP		Comm. Sys. (T)	PDP			TDT
	Ashok Verma	SANJEEV KUMAR	RICHA KAPOOR		HK				VINEET KUMAR
	104	104	104		104				VINEET KUMAR
THURSDAY	Comm. Sys	MSD	PSP		TDT	UEEET	PLC LAB		
	HK	Ashok Verma	RICHA KAPOOR		VINEET KUMAR	SANJEEV KUMAR	JY / RK		
	104	104	104		104	104	106		
FRIDAY	Comm. Sys	PDP			UEEET	TDT (T)	PSP	PROJECT -I	
	HK				SANJEEV KUMAR	VINEET KUMAR	RICHA KAPOOR	Dr. RICHA KAPOOR	
	104			104	104	104			
SATURDAY	PROJECT -I Avnish Singh		PROJECT -I Vineet Kumar	PROJECT -I Dr. RICHA KAPOOR		PROJECT -I Vineet Kumar		Value Added Course Mr. Vivek Agarwal 101	
Name of the Subject			Subject Code	Name of the Faculty		Total No. of Lect./Tut./Practical in Subject			
						Lect.	Tut.	Pract.	
Modelling & Simulation of Dynamic Systems			ROE 071	Mr. Ashok Verma		4	1	0	
Utilization of Electrical Energy & Electric Traction			REE 071	Dr. Sanjeev Kumar		4	0	0	
Telemetry of Data Transmission			REE 078	Mr. Vineet Kumar		4	1	0	
Power System Protection			REE 702	Dr. Richa Kapoor		4	0	0	
Communication Systems			REN 701	Mr. Honey Kumar		4	1	0	
Industrial Automation & PLC lab			REN 751	Dr. Richa Kapoor				2	
Power System Lab (PS)			REN 752	Dr. Richa Kapoor				2	
Industrial Training			REN 753	Dr. Sanjeev Kumar				2	
Value Added Course			VEE1901	Mr. Vivek Agarwal				2	
Project- I			REN 754	Dr. Richa Kapoor				8	

Avnish
 Avnish Singh
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 HOD, EE
Richa
Head
 Dept. of Electrical & Electronics Engg.
 Hindustan College of Science & Technology
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 Director
 Hindustan College of
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 FARAH (MATHURA)

Hindustan College of Science & Technology

Department of Electrical & Electronics Engineering

Value Added Course - Registration Form

Course Name: Electric Vehicle Course Code: VEE1901

Session 2019-20

From August 2019 to December 2019

Sr. No.	Roll No.	Name	Dept	Sem	Signature of Student
1	1806421001	ABHISHEK MITTAL	EEE	III	abhishek
2	1806421002	ABHISHEK SHARMA	EEE	III	Abhishek
3	1806421003	AKASH SINGH	EEE	III	AKASH
4	1806421004	AMIT GUPTA	EEE	III	Amit
5	1806421005	ASMIT SAHU	EEE	III	asmit
6	1806421006	CHAUDHARY RAVI SHANKAR	EEE	III	Ravi
7	1806421007	DEVENDRA KUMAR	EEE	III	DEVENDRA KUMAR
8	1806421008	KABIR PRATAP SINGH	EEE	III	Kabir Pratap
9	1806421009	KRISHANKANT SARASWAT	EEE	III	Krishankant
10	1806421010	KRISHNAKANT RAJPUT	EEE	III	K Rajput
11	1806421011	LAVANSHU GOYAL	EEE	III	Lavanshu
12	1806421012	Sachin Saxena	EEE	III	Sachin
13	1806421013	SADIK KHAN	EEE	III	Sadik
14	1806421015	SHASHANK SHARMA	EEE	III	Shashank
15	1806421016	TARUN KUMAR SENGAR	EEE	III	Tarun
16	1806421017	TUSHAR JAIN	EEE	III	Tushar
17	1806421018	VAIBHAV JAIN	EEE	III	V Jain
18	190064021900	Hiya Agarwal	EEE	III	Riya
19	1706421009	LOKESH SHARMA	EEE	III	Lokesh
20	190064021900	Archana Kumari	EEE	III	Archana
21	190064021900	Ayush Dixit	EEE	III	Ayush Dixit
22	1706421001	ABHAY YADAV	EEE	V	Abhay yadav
23	1706421002	ADITYA MAURYA	EEE	V	Aditya
24	1706421003	AKASH	EEE	V	A Kash
25	1706421005	ANKUSH RISHI	EEE	V	Ankush
26	1706421006	AVADH KUMAR SRIVASTAVA	EEE	V	ADAV
27	1706421007	DHRUV PATHAK	EEE	V	Dhruv
28	1706421008	ANKITA SINGH	EEE	V	Ankita
29	1706421010	MANISH YADAV	EEE	V	Manish
30	1706421011	MAYANK ANAND	EEE	V	Mayank A
31	1706421012	PAWAN PRAKASH GAUTAM	EEE	V	Pawan
32	1706421013	PRAJWAL BHARDWAJ	EEE	V	Prajwal
33	1706421014	RADHIKA SHARMA	EEE	V	Radhika
34	1706421015	RISHABH SKUKLA	EEE	V	Rishabh
35	1706421016	ROHIT KUMAR	EEE	V	Rohit Kumar
36	1706421017	SHIVANI SINGH	EEE	V	Shivani
37	1706421018	UTKARSH KUMAR	EEE	V	Utkarsh

Nick
Head of Department
Electrical & Electronics Engineering
Hindustan College of Science & Technology
Farah, Mathura

Agarwal

Ab...
Director
Hindustan College of
Science & Technology
FARAH (MATHURA)

38	1706421019	UTKARSH NIGAM	EEE	V	Utkarsh nig
39	1706421020	VAIBHAV TIWARI	EEE	V	Vaibhav tiw
40	1706421021	VISHAKHA BHARDWAJ	EEE	V	Vishakha bhar

Nigam
Head of Department
Electrical & Electronics Engineering
Hindustan College of Science & Technology
Farah, Mathura

Vishakha

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Director
Hindustan College of
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FARAH (MATHURA)

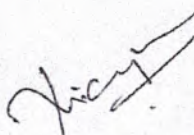
Hindustan College of Science & Technology

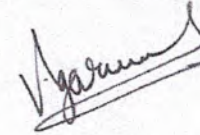
Department of Electrical & Electronics Engineering

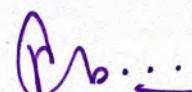
Value Added Course - Registration Form

Course Name: Electric Vehicle Course Code: VEE1901

Session 2019-20			n August 2019 to December 2	
Sr. No.	Roll No.	Name	Dept	Sem
1	1606421001	ABHISHEK PRATAP SINGH	EEE	VII
2	1606421002	AJAY SINGH	EEE	VII
3	1606421003	AJEET RATHOR	EEE	VII
4	1606421004	AKASH DEEP	EEE	VII
5	1606421005	AKASH KUMAR	EEE	VII
6	1606421006	ALISHA SHAMSI	EEE	VII
7	1606421007	ALOK KUMAR SHARMA	EEE	VII
8	1606421008	AMAN SHARMA	EEE	VII
9	1606421009	ARJUN UPADHYAY	EEE	VII
10	1606421010	ASHISH SINGH	EEE	VII
11	1606421012	DESY NIMESH	EEE	VII
12	1606421013	GAURAV GARG	EEE	VII
13	1606421014	HARIOM DHAKREY	EEE	VII
14	1606421016	MAYANK PAL	EEE	VII
15	1606421017	MEGHA GUPTA	EEE	VII
16	1606421018	MOHIT VERMA	EEE	VII
17	1606421020	PARTH SAXENA	EEE	VII
18	1606421021	PRASHANT KUMAR TIWARI	EEE	VII
19	1606421022	ROHIT SINGH	EEE	VII
20	1606421023	SACHIN KUMAR SINGH	EEE	VII
21	1606421024	SANCHIT GARG	EEE	VII
22	1606421026	SHUBHAM SARASWAT	EEE	VII
23	1606421027	SHUBHAM SAXENA	EEE	VII
24	1606421028	SOMNATH MUDGAL	EEE	VII
25	1606421031	VISHESH RATAN	EEE	VII
26	1606421032	VISHVENDRA SINGH	EEE	VII
27	1606421033	YASH SRIVASTAVA	EEE	VII
28	1706421901	PANKAJ KUMAR	EEE	VII


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Hindustan College of Science & Technology

Department of Electrical & Electronics Engineering

Value Added Course - Attendance Sheet

Course Name: Electric Vehicle Course Code: VEE1901

Session 2019-20 (Year-2019)

Session wise Attendance Sheet

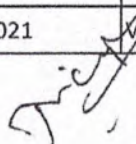
S. No.	Roll No.	Name	SEM																
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				03/09	10/09	17/09	24/09	01/10	08/10	15/10	22/10	29/10	05/11	12/11	19/11	26/11	03/12	10/12	17/12
1	1806421001	ABHISHEK MITTAL	III	P	P	P	P	P	P	P	P	P	A	A	P	P	A	P	P
2	1806421002	ABHISHEK SHARMA	III	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
3	1806421003	AKASH SINGH	III	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
4	1806421004	AMIT GUPTA	III	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
5	1806421005	ASMIT SAHU	III	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P
6	1806421006	CHAUDHARY RAVI SHANKAR	III	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
7	1806421007	DEVENDRA KUMAR	III	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
8	1806421008	KABIR PRATAP SINGH	III	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
9	1806421009	KRISHANKANT SARASWAT	III	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
10	1806421010	KRISHNAKANT RAJPUT	III	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
11	1806421011	LAVANSHU GOYAL	III	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
12	1806421012	Sachin Saxena	III	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	1806421013	SADIK KHAN	III	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
14	1806421015	SHASHANK SHARMA	III	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
15	1806421016	TARUN KUMAR SENGAR	III	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	1806421017	TUSHAR JAIN	III	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	A
17	1806421018	VAIBHAV JAIN	III	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
18	1900640219003	Hiya Agarwal	III	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P

[Signature]
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 Farah, Mathura

[Signature]
 Director
 Hindustan College of
 Science & Technology
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[Signature]

19	1706421009	LOKESH SHARMA	III	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A
20	1900640219001	Archana Kumari	III	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A
21	1900640219002	Ayush Dixit	III	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
22	1706421001	ABHAY YADAV	V	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
23	1706421002	ADITYA MAURYA	V	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
24	1706421003	AKASH	V	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	1706421005	ANKUSH RISHI	V	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	1706421006	AVADH KUMAR SRIVASTAVA	V	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
27	1706421007	DHRUV PATHAK	V	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
28	1706421008	ANKITA SINGH	V	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
29	1706421010	MANISH YADAV	V	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A
30	1706421011	MAYANK ANAND	V	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P
31	1706421012	PAWAN PRAKASH GAUTAM	V	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
32	1706421013	PRAJWAL BHARDWAJ	V	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
33	1706421014	RADHIKA SHARMA	V	P	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P
34	1706421015	RISHABH SKUKLA	V	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
35	1706421016	ROHIT KUMAR	V	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	A
36	1706421017	SHIVANI SINGH	V	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
37	1706421018	UTKARSH KUMAR SINGH	V	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A
38	1706421019	UTKARSH NIGAM	V	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
39	1706421020	VAIBHAV TIWARI	V	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
40	1706421021	VISHAKHA BHARDWAJ	V	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	A


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Department of Electrical & Electronics Engineering

Value Added Course - Attendance Sheet

Course Name: Electric Vehicle Course Code: VEE1901

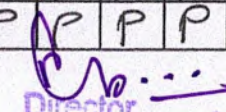
Session 2019-20 (Year-2019)

Session wise Attendance Sheet

S. No.	Roll No.	Name	SEM															
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1	1606421001	ABHISHEK PRATAP SINGH	VII	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A
2	1606421002	AJAY SINGH	VII	P	A	P	P	P	P	P	P	P	P	P	P	A	P	P
3	1606421003	AJEET RATHOR	VII	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P
4	1606421004	AKASH DEEP	VII	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P
5	1606421005	AKASH KUMAR	VII	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
6	1606421006	ALISHA SHAMSI	VII	P	P	P	P	A	P	P	P	P	A	P	P	P	P	P
7	1606421007	ALOK KUMAR SHARMA	VII	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P
8	1606421008	AMAN SHARMA	VII	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
9	1606421009	ARJUN UPADHYAY	VII	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P
10	1606421010	ASHISH SINGH	VII	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P
11	1606421012	DESY NIMESH	VII	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
12	1606421013	GAURAV GARG	VII	P	P	A	P	P	P	P	P	P	P	P	A	P	P	P
13	1606421014	HARIOM DHAKREY	VII	P	A	P	P	P	P	P	P	P	P	A	P	P	A	P
14	1606421016	MAYANK PAL	VII	P	P	P	A	P	P	P	P	P	P	P	P	P	A	P
15	1606421017	MEGHA GUPTA	VII	A	P	P	P	P	P	P	P	P	P	P	P	P	P	A
16	1606421018	MOHIT	VII	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P

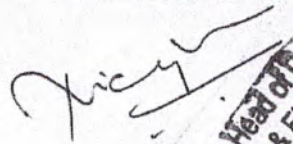
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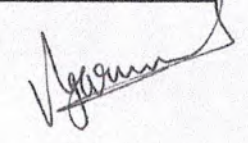
Head of Department
 Electrical & Electronics Engineering
 Hindustan College of Science & Technology
 Farah, Mathura


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 Science & Technology
 FARAH (MATHURA)

[Handwritten Signature]

17	1606421020	PARTH SAXENA	VII	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
18	1606421021	PRASHANT KUMAR TIWA	VII	P	P	A	P	P	P	P	P	A	P	P	P	P	P	P
19	1606421022	ROHIT SINGH	VII	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	1606421023	SACHIN KUMAR SINGH	VII	A	P	P	A	P	P	P	P	P	P	P	P	P	P	P
21	1606421024	SANCHIT GARG	VII	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P
22	1606421026	SHUBHAM SARASWAT	VII	P	P	P	P	P	A	P	P	P	P	P	P	A	P	P
23	1606421027	SHUBHAM SAXENA	VII	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	1606421028	SOMNATH MUDGAL	VII	P	P	P	P	P	P	A	P	P	P	A	P	P	P	P
25	1606421031	VISHESH RATAN	VII	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P
26	1606421032	VISHVENDRA SINGH	VII	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
27	1606421033	YASH SRIVASTAVA	VII	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P
28	1706421901	PAARAG KUMAR	VII	P	P	P	P	A	P	P	P	P	P	P	P	P	A	P


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Department of Electrical & Electronics Engineering

Certificate

OF COMPLETION

This is to certify that

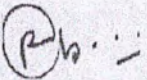
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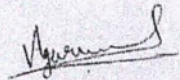
Session – 2019 - 20

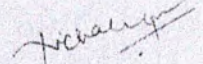
Roll No.-
1806421001

Department of Electrical and Electronics
Engineering has successfully completed 30 hours of Value Added Course (VEE
1901) titled

"ELECTRIC VEHICLE"


Dr. R. K. Upadhyay
Director


Mr. Vivek Agrawal
Coordinator


Dr. Richa Kapoor
HOD -EEE

Hindustan College of Science and Technology, Farah, Mathura

Hindustan College of
Science & Technology
(MATHURA)



Department of Electrical & Electronics Engineering

Certificate

OF COMPLETION

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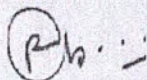
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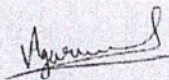
Session – 2019 - 20

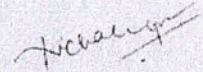
Roll No.-
1806421002

Department of Electrical and Electronics
Engineering has successfully completed 30 hours of Value Added Course (VEE
1901) titled

"ELECTRIC VEHICLE"


Dr. R. K. Upadhyay
Director


Mr. Vivek Agrawal
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