



**Hindusthan**  
**College of Engineering and Technology,**  
**Valley Campus, Pollachi Highway, Coimbatore 641 032.**  
**www.hicet.ac.in**

**REPORT**  
**Of**  
**Training for HICET – AUTOMOBILE – EICHER Training Centre**

Name of the Faculty : Mr.R.S.Prakash	
Department : Automobile Engineering	Designation : Assistant Professor
Name of the Event : Basics of CI Engines and its components	
Level : College Level	
Venue / Mode : Physical mode	
No. of Days : 02 Day	Dates : 01.11.2022 & 02.11.2022
Funded by : Nil	
No. of Participants : 40 (Two days)	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : Mr.Sivakumar. Training Head, Eicher Regional Training Centre.HICET.Coimbatore	
Outcomes : <ul style="list-style-type: none"> <li>• Students have learned about latest engine technologies.</li> <li>• Live demonstration given in Eicher Regional training centre.HICET</li> </ul>	
Remarks and Feedback on the Event : They are inspired by seeing the latest lab equipments and current updates in automobile industry and its techniques	
Plan of Implementing in HiCET (if any) : Organized by HICET - Department of Automobile Engineering	
Signature of Faculty 04/11/22	Principal

**PRINCIPAL**

Hindusthan College of Engineering & Technology  
**COIMBATORE - 641 032**



EVENT PHOTOS (01.11.22 & 02.11.22)



Arany





# Hindusthan College of Engineering and Technology

An Autonomous Institution Affiliated to Anna University | Approved by AICTE, New Delhi

Accredited with 'A' Grade by NAAC | Accredited by NBA (ECE, MECH, EEE, IT & CSE)

Valley Campus, Pollachi Highway, Coimbatore 641 032. | www.hicet.ac.in



Department of Automobile Engineering

(III Semester II Year) Eicher - Hicet / Automobile Training

S.NO	ROLL NO	NAME OF THE STUDENT
1	L1	K BALAJI
2	L2	G DHEEBA RAJ
3	L3	A GANESH
4	L4	P S HARIKUMAR I
5	L5	K JEEVAPRASATH
6	L6	C KISHORE
7	L7	MESHACH EBIRAJ
8	L8	S NANDHU
9	L9	M RAJ KUMAR
10	L10	R RITHESH
11	L11	B SAI KIRUTHIC
12	L12	P R TAMIL SELVAN
13	L13	S VIGNESH KUMAR
14	L14	M KATHIRAVAN
15	L15	S K VENKATESH
16	L16	JAYAPAL
17	L17	SAHUL HAMEED
18	L18	SANJAY
19	L19	NAKUL PRAMOD
20	L20	ABISHEK
21	L21	BALAJI C

*Anjan*  
Faculty Incharge

*[Signature]*  
HOD



## Department of Automobile Engineering

### (VII Semester IV Year) Eicher - Hicet / Automobile Training

S.NO	REG NO	NAME OF THE STUDENT
1	19102001	ALJITH N A
2	19102002	ARUNKUMAR S
3	19102003	AYALAKULATTAN PAVAN KUMAR
4	19102004	BHARATH R
5	19102005	DHIVAHAR P N
6	19102006	DINESH KUMAR M
7	19102007	EBINEZER A
8	19102008	GIJENDRASHIVAN K
9	19102009	HARI PRASAD K K
10	19102010	HARIHARAN K
11	19102011	KIRAN S
12	19102012	KRISHNAMOORTHY A
13	19102013	MANIKANDAN R
14	19102014	MOHAMED SHALEEK E
15	19102015	MUGESH KUMAR K
16	19102016	MULLAIVENDHAN K
17	19102017	PAUNRAJE
18	19102018	PETCHIRAJA S
19	19102019	PRAVIN KUMAR T
20	19102020	RAGUL G

Faculty Incharge

HOD



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 Valley Campus, Pollachi Highway, Coimbatore 641 032.  
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### REPORT

Of

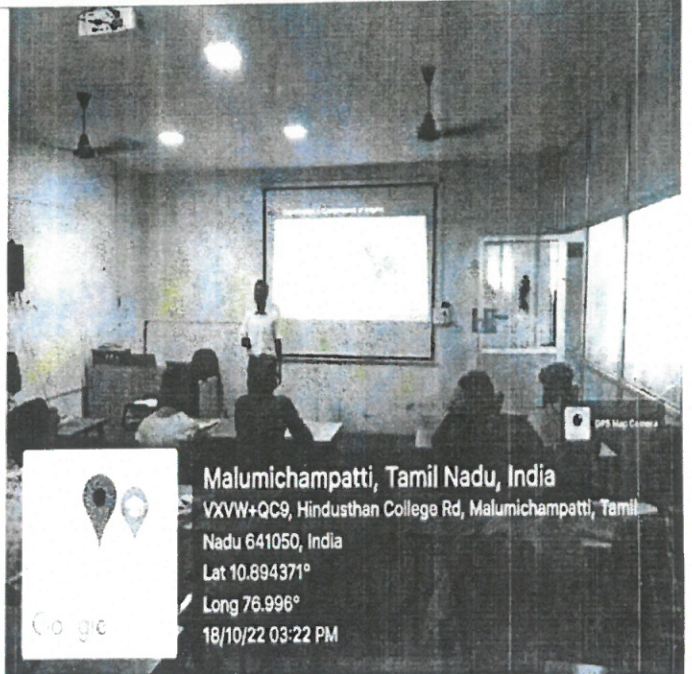
### Training for HiCET – AUTOMOBILE – EICHER Training Centre

Name of the Faculty : Mr.R.S.Prakash	
Department : Automobile Engineering	Designation : Assistant Professor
Name of the Event : Basics of CI Engines and its components	
Level : College Level	
Venue / Mode : Physical mode	
No. of Days : 02 Day	Dates : 17.10.2022 & 18.10.2022
Funded by : Nil	
No. of Participants : 40 (Two days)	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : Mr.Sivakumar, Training Head, Eicher Regional Training Centre,HiCET,Coimbatore	
Outcomes : <ul style="list-style-type: none"> <li>• Students have learned about latest engine technologies.</li> <li>• Live demonstration given in Eicher Regional training centre,HiCET</li> </ul>	
Remarks and Feedback on the Event : They are inspired by seeing the latest lab equipments and current updates in automobile industry and its techniques	
Plan of Implementing in HiCET (if any) : Organized by HiCET - Department of Automobile Engineering	
Signature of Faculty 20/10/22	Principal PRINCIPAL

Hindusthan College of Engineering & Technology  
 COIMBATORE - 641 032



EVENT PHOTOS (17.10.22 & 18.10.22)



In my 29/10/22

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE		
DEPARTMENT OF AUTOMOBILE ENGINEERING		
ACADEMIC YEAR 2022-2023		BATCH 2021 - 25
EICHER TRAINING STUDENTS NAME LIST		
S.No	REG NO	STUDENT NAME
1	720721102001	ABHISHEK E
2	720721102002	AHAMED ABDULLAH M S
3	720721102003	AIAN JAMES
4	720721102004	P ANBUSELVAN
5	720721102005	S R ARJUN
6	720721102006	A ARUN
7	720721102007	ASHWATH K SUNIL
7	720721102008	BHASIL
9	720721102009	CHIRANJEEVI S
10	720721102010	DAN VASTAN D
11	720721102011	DEEPAK V
12	720721102012	B DHNUSH KUMAR
13	720721102013	G DHAYANANTH
14	720721102014	V GURU PRASATH
15	720721102015	M HARIHARAN
16	720721102016	S KARTHIKEYAN
17	720721102017	V KOUSHIK
17	720721102019	T LOGESH
19	720721102020	S MADHAVAN
20	720721102021	V MAHENDIRAN

Faculty Incharge  
17/10/22

17/10/22

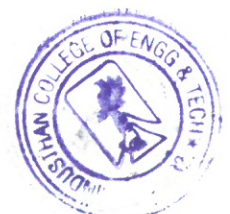


**HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE**  
**DEPARTMENT OF AUTOMOBILE ENGINEERING**  
**ACADEMIC YEAR 2022-2023** **BATCH 2021 - 25**  
**EICHER TRAINING STUDENTS NAME LIST**

S.No	REG NO	STUDENT NAME
1	720721102022	M MOHAMED IRSHATH
2	720721102023	S H MOHAMMAD ROSHAN ASHRAF
3	720721102024	A MOHAMMED ANSAR
4	720721102025	M MUJEEB REHMAN
5	720721102026	M POTTAL MUTHU
6	720721102027	B RAGUL SHARMA
7	720721102028	RAHUL SUDEEP
7	720721102029	A RAJADURAI
9	720721102030	K ROBERT KENNADI
10	720721102031	S ROSHAN RAJA
11	720721102032	SANANDH SREE SOBHAN
12	720721102033	SANCHO ALEX KOSHY
13	720721102034	R SANJAY
14	720721102035	S M SIDDHARTH
15	720721102036	P SOUGANDH
16	720721102037	M SUGAVANESH
17	720721102038	G THIRAVIYAM
17	720721102039	M VEERAMURTHY
19	720721102040	L L C VIJAY NARASHIMA RAJ
20	720721102041	M VIJAYASARATHI

*Jn sawj*  
FACULTY INCHARGE  
18/10/22

*[Signature]*  
HOD







**Hindusthan**  
**College of Engineering and Technology,**  
**Valley Campus, Pollachi Highway, Coimbatore 641 032.**  
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**REPORT**  
**OF**

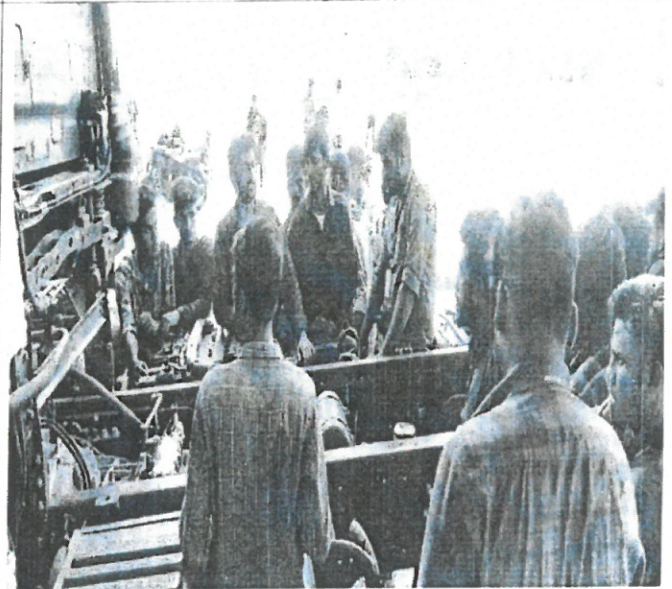
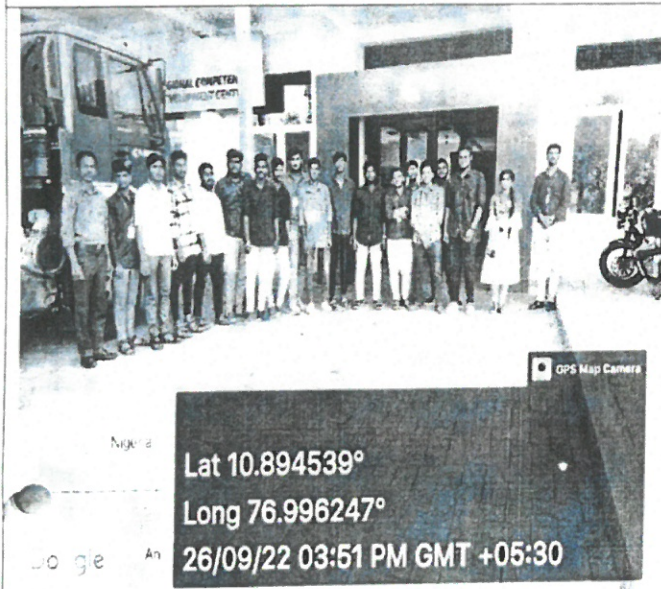
**Training for HICET – AUTOMOBILE – EICHER Training Centre**

Name of the Faculty : Mr.R.S.Prakash	
Department : Automobile Engineering	Designation : Assistant Professor
Name of the Event : Basics of CI Engines and its components	
Level : College Level	
Venue / Mode : Physical mode	
No. of Days : 02 Day	Dates : 23.09.2022 & 26.09.2022
Funded by : Nil	
No. of Participants : 30 (Two days)	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : Mr.Sivakumar, Training Head, Eicher Regional Training Centre,HICET,Coimbatore	
<b>Outcomes :</b> <ul style="list-style-type: none"> <li>• Students have learned about latest engine technologies.</li> <li>• Live demonstration given in Eicher Reginal training centre,HICET</li> </ul>	
Remarks and Feedback on the Event : They are inspired by seeing the latest lab equipments and current updates in automobile industry and its techniques	
Plan of Implementing in HiCET (if any) : Organized by HICET - Department of Automobile Engineering	
Signature of Faculty 23/9/22	Principal



**PRINCIPAL**  
Hindusthan College of Engineering & Technology  
**COIMBATORE - 641 032**

EVENT PHOTOS (17.10.22 & 18.10.22)



*Shanuj 22/10/22*

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE  
DEPARTMENT OF AUTOMOBILE ENGINEERING  
ACADEMIC YEAR 2022 - 23 ODD BATCH 2020-24  
STUDENTS NAME LIST FOR EICHER TRAINING 26.9.22

S.no	ROLL NO	STUDENT NAME
1	20102002	AJAY S
2	20102026	NANDHAKUMAR A
3	20102036	SANJAY S
4	20102037	SHAFDIL SAHEER
5	20102801	ABINESH.B
6	20102802	AKASH.S
7	20102806	GOWTHAM T
8	20102807	HARISHKUMAR. M
9	20102811	KABEEN SAKTHI V
10	20102813	KISHOR.S
11	20102815	MANOJ KUMAR M
12	20102817	NAGALAKSHMI S
13	20102819	SIVANESH S
14	20102823	Vishwanathan.T
15	20102824	Yuvaraj.k

gadhuj  
Faculty Incharge

26/9/22

ITC  
26/9/22



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE		
DEPARTMENT OF AUTOMOBILE ENGINEERING		
ACADEMIC YEAR 2022-2023		BATCH 2020 - 2024
EICHER TRAINING STUDENTS NAME LIST		23.9.22
S.No	ROLL NO	STUDENT NAME
1	20102004	ALI AHAMED M S
2	20102009	CHELLAMUNI P
3	20102014	GOKUL G
4	20102015	HARSHA VARDHANAN G
5	20102016	JESWIN SAM R
6	20102018	JUSTIN K BIJU
7	20102020	KASHINATH P P
8	20102031	RUFAID P
9	20102035	SAMPATHKUMAR S
10	20102043	VISHAL K
11	20102044	SINAN ABDUL LATHIEF
12	20102803	ALWIN P
13	20102808	HARISH R
14	20102810	JEEVA PRAKASH M
15	20102820	SRISABRISH N

*Manoj*  
Faculty Incharge  
23/9/22

*HOE*  
*K. S. R.*





**Report for**  
 Conference / Seminar / Symposium / Workshop / FDP /  
 Refresher Course / Training / Industry Visit / Academic Visit /  
 Guest Lecture / Webinar / Online Course  
**Organized / Participated**

Name of the Faculty : Mr. Yogaraja J	
Department : Automobile Engineering	Designation : Assistant Professor
Nature of the Event : Webinar	
Category : World Engineering Day for Sustainable Development 2021 webinar scheduled on 04th March 2021	
Title : BS VI ENGINE TECHNOLOGY	
Venue : Through online	
No. of Days : 01	Dates : 04-03-2021
Funded by : IE(I) Coimbatore Local centre	
No. of Participants : 102	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : Mr C Prakash Former General Manager (R & D Engine Specialist) Product Development Division Ashok Leyland, Chennai.	
Outcomes of the Event : <ul style="list-style-type: none"> <li>➤ Internal combustion engines (ICEs) are primarily notorious for the production of carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), hydrocarbons (HC) and oxides of nitrogen (NO<sub>x</sub>). Particulate matter (PM), or carbon soot, is another by-product of diesel as well as direct-injection petrol engines.</li> <li>➤ Direct-injection petrol and diesel engines rely on particulate filters to reduce the emission of PM or soot into the atmosphere. A higher level of NO<sub>x</sub> – a challenge especially with diesel engines – is tackled either by employing a Lean NO<sub>x</sub> Trap (LNT) or a Selective Catalytic Reduction (SCR) system.</li> <li>➤ NO<sub>x</sub> levels will go down by 25 percent for petrol and a drastic 68 percent for diesel engines. The latter will also be met with the requirement of a severe 82 percent reduction in PM levels.</li> </ul>	
BS6 grade petrol and diesel are limited to just 10 mg/kg of sulphur, compared to the 50 mg/kg content in BS4 fuels.	



- The level of sulphur and nitrogen oxide content in fuel plays a significant role. BS6 fuel has lower sulphur content than BS4 fuel.

Remarks and Feedback on the Event :

The speaker addressed the participants about the World Engineering Day celebration on 4th March of every year. He delivered a wonderful presentation about BSVI Engine Technology and interacted with the students.

The speaker advised the long lifetime of vehicles and equipment and the increasing health burden in regions without adequate protections stress the urgency to introduce world-class standards, develop compliance programs, and adopt in-use measures that accelerate the replacement of high-emitting vehicles.

Plan of Implementing in HiCET (if any) : *Conduct one day Guest lecture for Faculty & Non-teaching members*

*Ram*  
Signature of the Faculty

*Rammohan*  
HoD


*[Signature]*  
Principal  
**PRINCIPAL**

Hindusthan College of Engineering & Technology  
COIMBATORE - 641 032

**The Institution of Engineers (India)**  
Coimbatore Local Centre

In association with  
**Department of Automobile Engineering**  
Hindusthan College of Engineering and Technology, Coimbatore  
Organize

**World Engineering Day for Sustainable Development 2021 webinar scheduled on**  
04<sup>th</sup> March 2021 (Thursday) at 02:00 PM  
**Topic: "BS VI Engine Technology"**

by  
Guest Speaker  
  
**Mr C Prakash**  
Former General Manager (R & D Engine Specialist)  
Product Development Division  
Ashok Leyland, Chennai

**Dr P R Natarajan FIE**  
Chairman, IE(I), CLC

**Dr H Rammohan MIE**  
Honorary Secretary, IE(I), CLC

All are Cordially Invited

Image of the Event Brochure / Invitation

Geo-Tagged Photographs of Event - 2 Nos



HINDUSTHAN COLLEGE OF ENGINEERING  
Malumichampatti, Tamil Nadu, India  
Girls Hostel, Hindusthan College Rd, Malumichampatti, Tamil Nadu 641050, India  
Lat N 10° 53' 25.1016"  
Long E 76° 59' 32.0244"  
04/03/21 02:07 PM

**Carbon Monoxide**  
Discoloration / Corrosion  
Combustion with Zirconium Oxide  
BATTERY KATALYZATOR  
↓  
BRAIN DAMAGE

Human Effects

HINDUSTHAN COLLEGE OF ENGINEERING  
Malumichampatti, Tamil Nadu, India  
Girls Hostel, Hindusthan College Rd, Malumichampatti, Tamil Nadu 641050, India  
Lat N 10° 53' 25.5624"  
Long E 76° 59' 32.3088"  
04/03/21 02:53 PM

**Diesel Engine Emissions**      **Emission Elements**

- Diesel → Hydrocarbon Fuel
- Combustion → Oxidation reaction

Theory

$$H + O_2 \rightarrow H_2O$$

$$C + O_2 \rightarrow CO_2$$

Actual - additionally

Oxides of Nitrogen - NOx      Carbon Monoxide - CO

Hydro Carbons - HC      Particulate Matter (Solid)

17102041 HICET - STUDENT A... and 77 more      14:50



AUTO HOD AUTO is presenting

17102041 HICET - STUDENT A... and 77 more

14:50

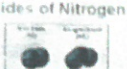
### Diesel Engine Emissions

• Diesel → Hydrocarbon Fuel  
• Combustion → Oxidation reaction


Theory  $H + O_2 \rightarrow H_2O$   
 $C + O_2 \rightarrow CO_2$

Actual - additionally


Oxides of Nitrogen - NO<sub>x</sub>



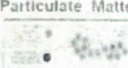
Carbon Monoxide - CO




Hydro Carbons - HC



Particulate Matter (Solid)\*



C.P



17102052 HICET...

Natarajan Rama...

17102811 HICE...

AUTO HOD AUTO

D.NAVEENRAJ H...

19102020 HICE...

19102603 HICET...

NARESH MALLI...

AUTO HOD AUTO is presenting

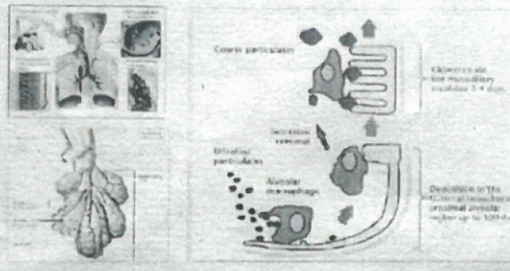
19102016 HICET - STUDENT A... and 76 more

15:00

### Diesel Engine Emissions

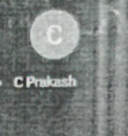
#### Human Effects

#### Particulates



Lungs affected

C.P



17102052 HICET...

19102005 HICE...

Natarajan Rama...

AUTO HOD AUTO

D.NAVEENRAJ H...

17102811 HICE...

19102603 HICET...

NARESH MALLI...

AUTO HOD AUTO is presenting

19102805 HICET - STUDENT A... and 77 more

14:54

### Diesel Engine Emissions

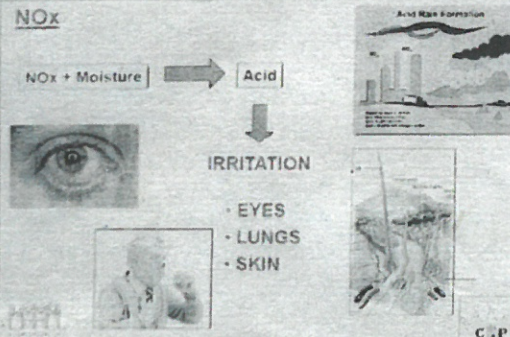
#### Human Effects

#### NO<sub>x</sub>

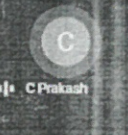
NO<sub>x</sub> + Moisture → Acid

IRRITATION

- EYES
- LUNGS
- SKIN



C.P



17102052 HICET...

19102005 HICE...

17102041 HICE...

AUTO HOD AUTO

D.NAVEENRAJ H...

J.KRISHNARAJ...

19102803 HICET...

NARESH MALLI...

\* Report to be submitted within 3 days of the completion of the Event







# Hindusthan

## College of Engineering and Technology,

Valley Campus, Pollachi Highway, Coimbatore 641 032.

www.hicet.ac.in

### EVENT REPORT

Name of the Faculty : Dr Sabarinathan C	
Department : Automobile Engineering	Designation : Professor and Head
Name of the Event : Train the Training Program @ Eicher Centre of Excellence	
Level : College Level	
Venue / Mode : Physical Mode	
No. of Days : 12 Day (36 Hours)	Dates : 04.01.21 to 31.03.21
Funded by : Host Institution	
No. of Participants : 22	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : Mr Sivakumar PK, Training Manager, Eicher Trucks and Buses, VE Commercial Vehicles Ltd.	
Outcomes: <ul style="list-style-type: none"> <li>• Faculty Members gain the knowledge about the truck and buses architecture</li> <li>• Gain the knowledge on periodic maintenance</li> <li>• Understand the technology behind BS VI engine and exhaust technology</li> </ul>	
Remarks and Feedback on the Event : Hands on the practical session is very useful	
Plan of Implementing in HiCET (if any) : Organized by HICET - Department of Automobile Engineering	
Signature of Faculty	HOD
	Principal

PRINCIPAL



Hindusthan College of Engineering & Technology  
COIMBATORE - 641032  
PRINCIPAL

Event Invitation



# Hindusthan Institutions

HECT

Ref.No. HICTE/EICHER/2020-21/03

Date :06.01.2021

## VOLVO EICHER TRAIN THE TRAINER FACULTY NAME LIST

Sl.No.	Name of the Faculty	Designation	Department	Name of the Institution
1	Mr Krishnaraj J	Asst. Professor	Automobile	HICET
2	Mr Ragu S	Asst. Professor	Automobile	
3	Dr Nithyanandam C	Asso. Professor	Mechanical	
4	Dr Kannan S	Asso. Professor	Mechanical	
5	Mr Sivakumar K	Asst. Professor	Mechanical	
6	Mr John Britto P	Asso. Professor	Mechanical	
7	Mr Sriharrish K	Asst. Professor	Mechanical	
8	Mr Karthick L	Asst. Professor	Mechanical	
9	Mr Tamilvendan D	Asst. Professor	Aeronautical	
10	Mr Arun Raja K K	Asst. Professor	Aeronautical	
11	Mr Prabhu T	Asst. Professor	Mechatronics	
12	Mr Jegan M M	Asst. Professor	Mechatronics	
13	Mr Manojkumar S	Asst. Professor	Mechanical	
14	Mr Rangarajan R V	Asst. Professor	Mechanical	
15	Mr Ganeshkumar K V	Asst. Professor	Mechanical	
16	Mr Jeevarathinam A	Asst. Professor	Mechanical	
17	Mr Udhayakumar S	Asst. Professor	Automobile	
18	Mr Prakash R S	Asst. Professor	Automobile	
19	Mr Moses Devaprasanna M	Asst. Professor	Aeronautical	
20	Mr Maheswaran N	Asst. Professor	Aeronautical	HPC
21	Mr Sakthi Kumar A	Asst. Professor	Mechanical	
22	Mr Sathish Kumar T	Asst. Professor	Automobile	

*[Signature]*  
Coordinator 6/1/2021

*[Signature]*  
CEO

Copy to:

1. Principal's (HICET, HITECH & HPC)
2. Dean Academics
3. VE COE File
4. The Managing Trustee for Kind Information



Event Snapshots





## CERTIFICATE OF PARTICIPATION

*This is to Appreciate*

*Mr Karthick L, Faculty of Mechanical Engineering*

*from Hindusthan College of Engineering Technology, Coimbatore for actively participating in the "Train the Trainer Program (TTT)" organized by "Hindusthan Eicher Regional Competency Development Centre" from 07.01.2021 to 30.04.2021 (48 Hours).*



**HINDUSTHAN**  
*Educational Institutions*

*Hindusthan College of Engineering and Technology  
Hindusthan Institute of Technology  
Hindusthan Polytechnic College*

Dr Karunakaran K  
Chief Executive Officer

Dr Sabarinathan C  
Head - Automobile & Eicher CoE

