



Activity Report

S.No.	Title of the information	Information in brief																								
1	Identified Gap No/s.:	17,20,28 & 44																								
2	Activity Type:	Technical Talk																								
3	Activity/Event Organizer/s or Coordinator/s:	Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, HIT Nidasoshi																								
4	Title of the Activity/Event:	Technical Talk on “Fuel Injection System & Engine Basics”																								
5	Date:	03-01- 2022																								
6	Venue:	Mechanical Seminar Hall																								
7	Objectives:	1. To understand the purpose of the fuel injection system in the engine. 2. To know about modern electronic injection systems in the CRDI engine. 3. To understand the role of the ECU system in the fuel injection system. 4. To understand different types of Fuel Injection systems in engines. 5. To understand the various engine features related to sensors, electrical wiring, troubleshooting, and maintenance.																								
8	Activity Outcomes:	1. Electronic fuel injection-equipped engines provide higher power and torque than a conventional engine. 2. A modern fuel injection system works by atomizing the fuel at high pressure, mixing it with clean air as it passes the inlet manifold, before entering the combustion chamber of each cylinder. 3. The advanced engine technology is designed to prepare the graduate for a career in the operation, service and repair, and maintenance of diesel/multi-fuel, and industrial and consumer-use engines and equipment.																								
9	Details of Resource Person/s with contact details:	Mr. Dhondibha Chougale, Hitachi Astemo FIE Private Limited, Pune																								
10	Finance Management:	Expenses incurred by the Department Association (AIMSS)																								
11	No. of participants	Students: Boys: 31 & Girls : 03, Staff: 11																								
12	Mapped POs, Weight-age assigned & %age of attainment: PO (Weight-age)	<table><tr><th>PO mapped</th><th>Weight-age assigned (1/2/3)</th><th>%age of Attainment</th><th>Level of attainment</th></tr><tr><td>PO1</td><td>2</td><td>98.1</td><td>1.962</td></tr><tr><td>PO2</td><td>1</td><td>98.1</td><td>0.981</td></tr><tr><td>PO5</td><td>3</td><td>98.1</td><td>2.943</td></tr><tr><td>PO7</td><td>2</td><td>98.1</td><td>1.962</td></tr><tr><td>PO12</td><td>2</td><td>98.1</td><td>1.962</td></tr></table>	PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	PO1	2	98.1	1.962	PO2	1	98.1	0.981	PO5	3	98.1	2.943	PO7	2	98.1	1.962	PO12	2	98.1	1.962
PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment																							
PO1	2	98.1	1.962																							
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PO5	3	98.1	2.943																							
PO7	2	98.1	1.962																							
PO12	2	98.1	1.962																							
13	Mapped PSOs, Weight-age assigned & %age of attainment: PSO (Weight-age)	<table><tr><th>PSO mapped</th><th>Weight-age assigned (1/2/3)</th><th>%age of Attainment</th><th>Level of attainment</th></tr><tr><td>PSO1</td><td>2</td><td>98.1</td><td>1.962</td></tr><tr><td>PSO2</td><td>2</td><td>98.1</td><td>1.962</td></tr></table>	PSO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	PSO1	2	98.1	1.962	PSO2	2	98.1	1.962												
PSO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment																							
PSO1	2	98.1	1.962																							
PSO2	2	98.1	1.962																							
14	Outcomes achieved/Impact analysis:	1. The activity mapped with PO1, PO2, PO5, PO7, and PO12 was found satisfactory with attainment levels of 1.962,																								



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Mech. Engg. Dept.

AIMSS

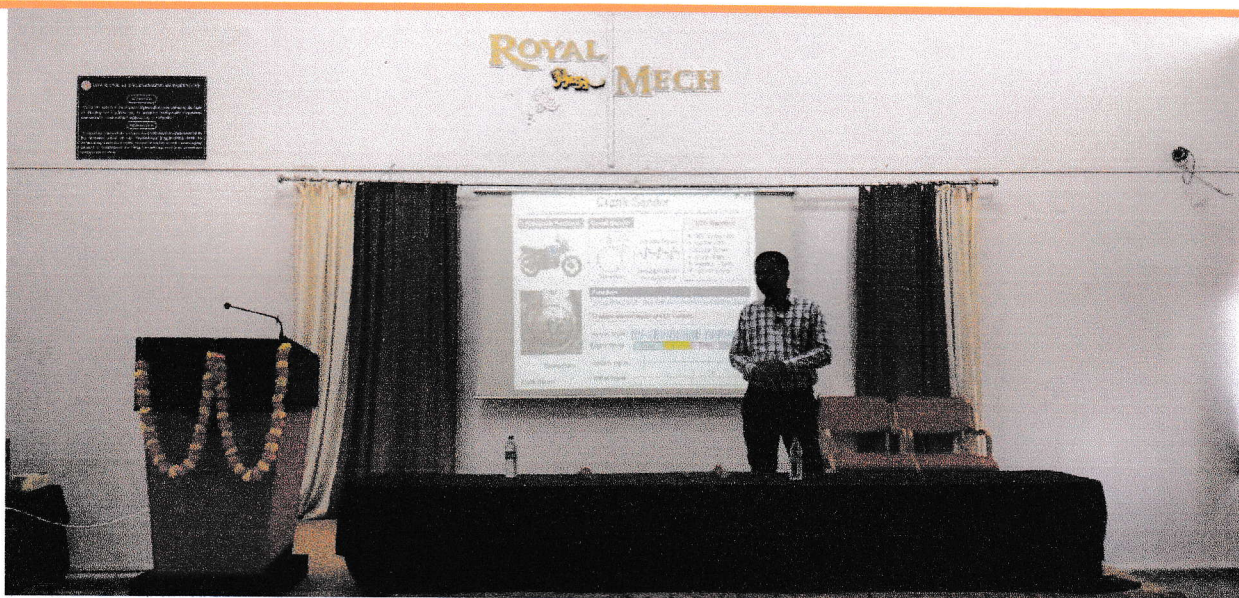
Activity Report

AY:2021-22

0.981, 2.943, 1.962 and 1.962 against the mapped values during the impact analysis.

2. The activity mapped with PSO2 and PSO3 was found satisfactory with attainment levels of 1.962 and 1.962 against the mapped values during the impact analysis.

Photo Gallery



Mr. Dhondibha Chougale, Hitachi Astemo FIE Private Limited, Pune is delivering a technical talk on Fuel Injection System & Engine Basics held on 3rd January 2022.



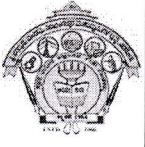
Staff and students attended the technical talk on Fuel Injection System & Engine Basics held on 3rd January 2022

Mr. Vivekanand Kambi
AIMSS Secretary

Prof. M. M. Shivashimpi & Prof. D. N. Inamdar
AIMSS-Coordinator/s

Dr. S. N. Topannavar

HOD
Mechanical Engg.
HIT, Nidasoshi


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			AIMSS
			Activities
			2021-22 (Odd)

Notice




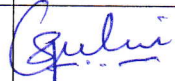
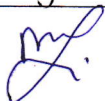





Date: 01/01/2022

All the staff and final year students are hereby informed to attend the seminar on **"Fuel Injection System and Engine Basics"** on 3rd January 2022 at 11.00 AM in Mechanical Seminar Hall. Mr. Dhondibha Chougale, Hitachi Astemo FIE Private Limited, Pune is the resource person, hence all are cordially invited to attend the seminar.

Circulation to

i) VII semester students 

ii) Staff


KMA		DNI	
MSF		SAG	
MMS		MAH	
MIT		BMD	
VGB		ABS	

 
 Prof. M. M. Shivashimpi & Prof. D.N. Inamdar
 AIMSS Coordinators







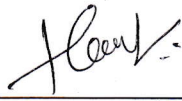




 
 Dr. S. N. Topannavar

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Mechanical Engg.
HIT, Nidasoshi




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			AIMSS
			Activities
			2021-22 (Odd)

The Following staff member are attended a Talk on **“Fuel Injection System and Engine Basics”** organized on 3rd January 2022 in Mechanical Seminar Hall.

Sl. No.	Name of Staff	Designation	Signature	Remark
1	Dr. S. N. Topannavar	Professor and HOD		
2	Dr. K. M. Akkoli	Associate Professor		
3	Prof. D. N. Inamdar	Assistant Professor		
4	Prof. M .S. Futane	Assistant Professor		
5	Prof. S. A. Goudadi	Assistant Professor		
6	Prof. M. M. Shivashimpi	Assistant Professor		
7	Prof. M. A. Hipparagi	Assistant Professor		
8	Prof. M.I. Tanodi	Assistant Professor		
9	Prof. B. M .Dodamani	Assistant Professor		
10	Shri. V.G.Badiger	Foreman		
11	Shri. A.B. Sankeshwari	Foreman		


 Prof. M. M. Shivashimpi
 AIMSS Coordinator


 Prof. D.N. Inamdar
 AIMSS Coordinator


 Dr. S. N. Topannavar





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Mech.Engg.Dept
AIMSS
Attendance
AY: 2021-22

Attendance Sheet

Date: 03-01-2022

Event : Seminar on "Fuel Injection System and Engine Basics"

Resource person: Mr. Dhondibha Chougale, Hitachi Astemo FIE Private Limited, Pune

Sem:VII

R.No	STUDENT NAME	USN	Signature	R.No	STUDENT NAME	USN	Signature
1	Manjunath Madar	2HN15ME047		33	Sacheen Patil	2HN18ME033	
2	Chetan Karigar	2HN16ME017		34	Satyappa Karoshi	2HN18ME034	
3	Rahul G Aiwale	2HN16ME056		35	Shashidhar S Mastiholi	2HN18ME035	
4	Shiddalingeshwar. K. Bhandari	2HN16ME077		36	Shivaprasad Ammanagi	2HN18ME036	
5	Sooraj Sangappagol	2HN16ME078		37	Shridhar B.Mudigoud	2HN18ME037	
6	Akshay Namaje	2HN17ME005		38	Siddappa Karagar	2HN18ME038	
7	Amit Parashuram Thorat	2HN17ME006		39	Siddharth V. Patil	2HN18ME039	
8	Pradeep B Desai	2HN17ME030		40	Sumitra P Shinde	2HN18ME041	
9	Sohail. M Yaragatti	2HN17ME050		41	Sunil Kuligod	2HN18ME042	
10	Abhijit A Patil	2HN18ME002		42	Sushant Vijay Magadum	2HN18ME043	
11	Aditya Kalbhar	2HN18ME003		43	Vikas Ramachandra Khot	2HN18ME044	
12	Ajinkaykumar S Bhosale	2HN18ME005		44	Vinayak Ashok Dodamani	2HN18ME045	
13	Akash Bahubali Upadhye	2HN18ME006		45	Vivekananda C Kambi	2HN18ME048	
14	Akshay Menasi	2HN18ME007		46	Vrushabh A Mugganavar	2HN18ME049	
15	Arun Kolapur	2HN18ME009		47	Shridhar Koravi	2HN18ME404	
16	Arun Nagappa Chougule	2HN18ME010		48	Vaibhav Shinde	2HN18ME405	
17	Babasabh Bagashahi	2HN18ME011		49	Vinayak Bagadi	2HN18ME406	
18	Hanamanth Puji	2HN18ME012		50	Akshay Badakundri	2HN19ME400	
19	Hasansab S Yaragatti	2HN18ME013		51	Amar Chidanand Sangote	2HN19ME401	
20	Madan Mahantesh Rayar	2HN18ME014		52	Arun C Tubachi	2HN19ME402	
21	Maibub I Mulla	2HN18ME015		53	Arunkumar S Halagatti	2HN19ME403	
22	Naik Maruti Malleshi	2HN18ME017		54	Devendra Chougule	2HN19ME404	
23	Nandish L Vibhuti	2HN18ME018		55	Dundanagouda Patil	2HN19ME405	
24	Naveenkumar Ganachari	2HN18ME019		56	Jitendra Ramaling Pitagi	2HN19ME406	
25	Nikhil Nandigon	2HN18ME020		57	Mahantesh G Hiremath	2HN19ME407	
26	Nikhil Shettnavar	2HN18ME021		58	Prithviraj Herlage	2HN19ME408	
27	Pavankumar A Shirahatti	2HN18ME023		59	Shravan S Kurani	2HN19ME409	
28	Prashant Madiwalar	2HN18ME024		60	Shweta Kumbar	2HN19ME410	
29	Prashant Suresh Kambar	2HN18ME025		61	Sourabh Mole	2HN19ME411	
30	Praveen S Chougale	2HN18ME026		62	Vijayalaxmi B Bugadi	2HN19ME412	
31	Ramakrishn K Magadum	2HN18ME031		63	Akshay Boragalli	2HN19ME413	
32	Ravi Magadum	2HN18ME032					

Prof. M. M. shivashimpi
AIMSS Coordinator

Prof. D.N. Inamdar
AIMSS Chief Coordinator

Dr. S. N. Topannavar



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E&E Engg. Dept.

2021-22 (Odd)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.

Dr. Basavaraj V. Madiggond

Head of the Department

Ref. No: HIT/EEE/21-22/ 39

Date: 03/01/2022

To,

Mr. Dhondiba Chougale
Head, Sales-India Operations,
Hitachi Astemo FIE Pvt. Ltd,
Pune.

Sir,

Sub: Thanking Letter


We are extremely thankful to you for delivering a Seminar on **"Fuel Injection System & Engine Basics"** for the students of our Institute on 3rd January 2022.

The knowledge and expertise that you have shared has been extremely useful for our faculty, we thank profusely for your cooperation.


3/1/22

H. O. D.

Electrical & Electronics Engg.
Hirasugar Institute of Technology
NIDASOSHI-591236.


03/01/2022



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Mech. Engg. Dept

Activities

Feedback

2021-22 (Odd)

FEEDBACK

Title of the Activity: **Fuel Injection System & Engine Basics**

Gap/7, No.: 20, 28.11.22	Mapped POs	POs Weightage	Mapped PSOs	PSOs Weightage
	1,2,5,7,12,	2,1,3,2,2	1,2	2,2

e/Duration: 03-01-2022

Venue: Mechanical Seminar Hall

Note: Solicit your response in numeric (10 points:Excellent-0 point: Not Good)

S.No.	Parameter	Numeric Response (0-10)
1	Inclusive of Relevancy/National Interest in the Activity/trained content	10
2	Applicable/Helpful to build and lead the better career after the graduation	10
3	Rate the resource person/s/Competency in the activity/event	9
4	Your development/+ve change during the activity/event	9
5	Overall motivation and inspiration received during the activity period	10
Total points		48

te your comments on activity/event organization (All Arrangements such as Hospitality, Logistics, and Hall etc.):

Signature of the Participant

Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236

Phone:+91-8333-278887, Fax:278886, Web:www.hsit.ac.inMail:principal@hsit.ac.in



Impact Analysis and PO & PSO Attainment

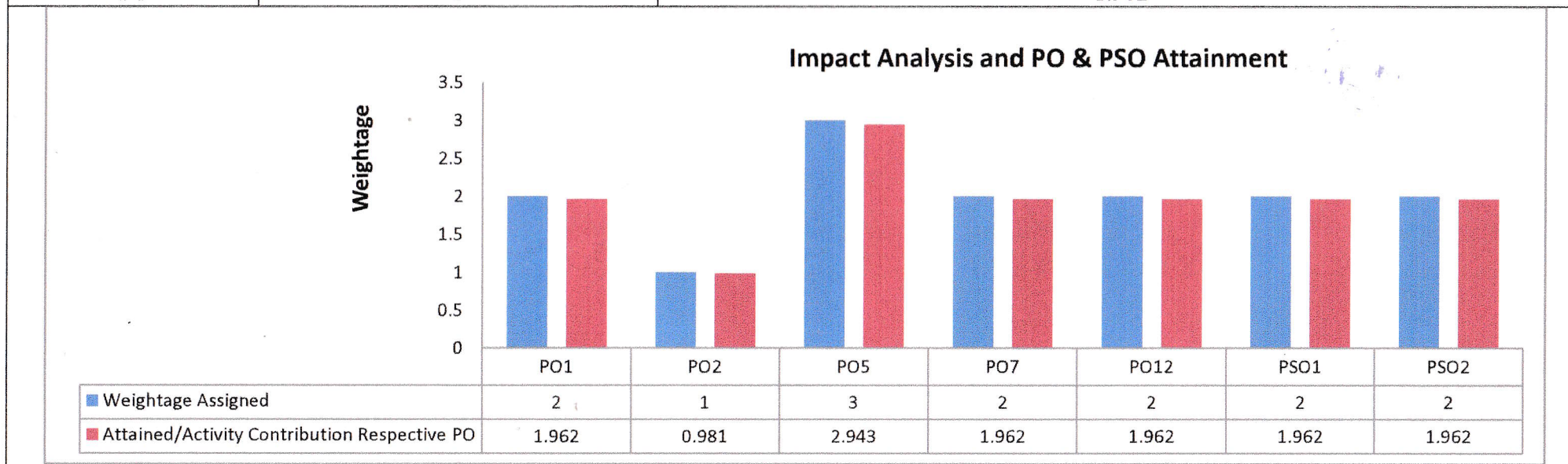
Activity Name: Technical Talk on "Fuel Injection System & Engine Basics"

No. of Respondents (N): 34

Grand Total Points given by all respondents (T): 1669

Impact Coefficient (IC=0-1): Here, $IC = T / (N * 50) = 1669 / (34 * 50) = 0.981$

Mapped PO/s & PSOs	Weightage Assigned (1/2/3)	PO Attained/Activity Contribution to the respective PO (IC*Weightage Assigned)
PO1	2	1.962
PO2	1	0.981
PO5	3	2.943
PO7	2	1.962
PO12	2	1.962
PSO1	2	1.962
PSO2	2	1.962





Justification:

1. Justification for Mapping of POs & PSOs

Mapped POs/ PSOs	Weightage	Justification
PO1	2	This activity moderately highlights the delivery of fuel into the engine cylinders, while precisely controlling the injection timing, fuel atomization, and other parameters.
PO2	1	This activity highlights the injection largely controls the combustion process, and with it also a wide range of related issues, such as fuel efficiency, emissions, stability, load acceptance (acceleration) and combustion noise.
PO5	3	This activity substantially highlights modern fuel injection system works by atomizing the fuel at high pressure, mixing it with clean air as it passes the inlet manifold, before entering the combustion chamber of each cylinder. The key element of the electronic modern fuel injection system is Electronic Control Unit.
PO7	2	This activity addresses delivering fuel into the engine cylinders, while precisely controlling the injection timing, fuel atomization, and other parameters.
PO12	2	This activity advanced engine technology is designed to prepare the graduate for a career in the operation, service and repair, and maintenance of diesel/multi-fuel, and industrial and consumer-use engines and equipment.
PSO2	2	This activity involves the development & design injector nozzle & its engine basic components and provides mechanical and software solutions for reducing pollution.
PSO3	2	This activity moderately highlights the development advance technology to result in enhanced engine efficiency. It also offers better fuel efficiency. More efficient burning of fuel results in a cleaner environment.

1. The activity mapped with PO1, PO2, PO5, PO7, and PO12 was found satisfactory with attainment levels of 1.962, 0.981, 2.943, 1.962 and 1.962 against the mapped values during the impact analysis.
2. The activity mapped with PSO2 and PSO3 was found satisfactory with attainment levels of 1.962 and 1.962 against the mapped values during the impact analysis.

Conclusion: The activity was organized to fulfill the program outcomes of engineering knowledge, problem analysis, modern tool usage, Environment and sustainability and lifelong learning.

Future Suggestions: To initiate, such activities on advanced fuel injection system of the engine leads to fuel-efficient engine gives indirect social benefit by reducing the pollution and improving the performance of engine characteristics.

Mr. Vivekanand Kambi
 AIMSS Secretary

Prof. M. M. Shivashimpi & Prof. D. N. Inamdar
 AIMSS-Coordinator/s

Dr. S. N. Tipannavar

HOD

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