

Department of Mechanical Engineering

Apex Innovations Pvt. Ltd.

Duration of MoU: From 15/01/2021 to Till Date

Nature of MoU: Academic/Expert talk/Guest Lecture/Workshop/Internships

List of Activities conducted under above MoU in Academic Year 2021-22.

Sr. No.	Date	Duration	Title of Activity	Nature of Activity(Expert Talk/Training/Internship etc.)	No. of Participants
i.	08 <sup>th</sup> Dec 2021	One Day	Experimentation on "Energy and emission analysis of single cylinder CI engine using biodiesel with multiple injections"	Experimentation	5

  
Name, Designation and Signature of First Party

**Principal**  
SVKM's Institute of Technology, Dhule



  
Name, Designation and Signature of Second Party

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SANGLI - 416 436.



## Appendix



**APEX INNOVATIONS PVT. LTD.**

### CERTIFICATE

Date: 14.12.21

To whomsoever it may concern

This is to certify that,

Tejas Harish Shinde  
Yadnesh Dhanraj Gujar  
Shubham Sunil Suryawanshi  
Mayur Dhanraj Sawant

The Research Scholar/Student(s) of

**SVKM'S IOT Dhule**

Conducted experimental work at Apex Innovations P. Ltd., MIDC Kupwad, Sangli

Topic of experimental work :

**Energy and Emission Analysis of Single Cylinder CI Engine using Biodiesel with Multiple Injections**

Name of the guide:

**Prof Yogesh Sonawane**

Equipment used for experimental work :

**Computerised Multi fuel Research Diesel Engine Set Up (Product 244)**

**Exhaust Gas Analyzer (AVL444N)**

**Smoke Meter (AVL437Standard)**

**Vibration Meter**

Date of Experimentation:

**11.12.2021 to 14.12.21 ( 04 days)**

All required support was provided by Apex Innovations Pvt. Ltd.

This certificate is issued on request.





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