

# Hindusthan

# College of Engineering and Technology, Valley Campus, Coimbatore 641 032.

HICET www.hicet.ac.in

Report for Technical workshop organized

Name of the Faculty: Dr.J.Krishnaraj

**Department** : Automobile Engineering | **Designation** : Assistant Professor

Name of the Event : Precision Diagnostics: Advanced Electronics and Fault Identification for Royal Enfield

Continental GT

Level : College Level

Mapping with UN SDGs (Tick the relevant): No poverty (SDG 1), Zero hunger (SDG 2), Good health and well being (SDG 3), Quality education (SDG 4), Gender equality (SDG 5), Clean water and sanitation (SDG 6), Affordable and clean energy (SDG 7), Decent work and economic growth (SDG 8), Industry, innovation and infrastructure (SDG 9), Reduced inequalities (SDG 10), Sustainable cities and communities (SDG 11), Responsible consumption and production (SDG 12), Climate action (SDG 13), Life below water (SDG 14), Life on land (SDG 15), Peace, justice, and strong institutions (SDG 16), and Partnerships for the goals (SDG 17).

Venue / Mode : Royal Enfield Centre Of Excellence / Physical Mode

No. of Days : 02 Dates: 16.11.2023 - 17.11.2023

Funded by : NA

No. of Participants: 15 Registration charges (if any): NA

Name and Designation of Resource Person(s): Dr.J.Krishnaraj & Mr.R.Subash technical trainer Royal

Outcome: By the end of this workshop, students will:

- 1. Gain in-depth knowledge of the advanced electronic systems in the Royal Enfield Continental GT.
- 2.Develop skills to accurately diagnose and troubleshoot common and complex faults.
- 3. Learn practical techniques for maintaining and optimizing bike performance using diagnostic tools and methods.

Remarks and Feedback on the Event: The workshop provided comprehensive knowledge of the Royal Enfield Continental GT's advanced electronic systems and practical fault diagnosis techniques. Students appreciated the hands-on experience and expert guidance, which enhanced their understanding and troubleshooting skills. The real-world applications and interactive sessions were particularly beneficial and well-received.

Plan of Implementing in HiCET (if any): The workshop, organized by the Centre of Excellence, provided comprehensive knowledge to all our students

Signature of the Faculty

Lymnay Jum.

Principal

Hindusthan College Of Engineering & Technology
COIMBATORE - 641 032.



### Photographs of Event:







### Signed Attendance Sheet:

## HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

## DEPARTMENT OF AUTOMOBILE ENGINEERING

PRECISION DIAGNOSTICS: ADVANCED ELECTRONICS AND FAULT IDENTIFICATION FOR ROYAL ENFIELD CONTINENTAL GT

Date: 16.11.2023 -17.11.2023

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Report for Technical workshop organized

Name of the Faculty: Dr.J.Krishnaraj

**Department** : Automobile Engineering

**Designation**: Assistant Professor

Name of the Event : Advanced Engine Maintenance and Overhaul Techniques for Royal Enfield

Level

: College Level

Mapping with UN SDGs (Tick the relevant): No poverty (SDG 1), Zero hunger (SDG 2), Good health and well being (SDG 3), Quality education (SDG 4), Gender equality (SDG 5), Clean water and sanitation (SDG 6), Affordable and clean energy (SDG 7), Decent work and economic growth (SDG 8), Industry, innovation and infrastructure (SDG 9), Reduced inequalities (SDG 10), Sustainable cities and communities (SDG 11), Responsible consumption and production (SDG 12), Climate action (SDG 13), Life below water (SDG 14), Life on land (SDG 15), Peace, justice, and strong institutions (SDG 16), and Partnerships for the goals (SDG 17).

: Royal Enfield Centre Of Excellence / Physical Mode Venue / Mode

Dates: 07.02.2024 - 08.02.2024 No. of Days : 02

Funded by

Registration charges (if any): NA No. of Participants: 15

Name and Designation of Resource Person(s): Mr.Sam Bijju Manager – Technical Lead Training Division

Outcome: By the end of this workshop, students will:

Comprehensive Understanding: Participants will gain a deep understanding of the internal workings of Royal Enfield engines, including advanced components and their functions.

Advanced Overhaul Skills: Students will develop advanced skills in engine disassembly, inspection, and reassembly techniques, ensuring thorough maintenance and performance enhancement.

Troubleshooting Expertise: Attendees will acquire proficiency in diagnosing complex engine issues and implementing effective repair and overhaul strategies, improving overall reliability and performance.

Remarks and Feedback on the Event: the workshop highly informative, deepening their understanding of Royal Enfield engine intricacies. The advanced overhaul skills learned, including disassembly and reassembly techniques, were particularly valuable for practical application. Additionally, attendees appreciated gaining troubleshooting expertise, enabling them to diagnose and resolve complex engine issues effectively, enhancing their confidence in maintaining and improving their motorcycles' performance.

Plan of Implementing in HiCET (if any): The workshop, organized by the Centre of Excellence, provided comprehensive knowledge to all our students

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#### Photographs of Event:



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### HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

### DEPARTMENT OF AUTOMOBILE ENGINEERING

ADVANCED ENGINE MAINTENANCE AND OVERHAUL TECHNIQUES FOR ROYAL ENFIELD Date: 07.02.2024 – 08.02.2024

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Report for Technical workshop organized

Name of the Faculty: Dr.J.Krishnaraj

**Department** : Automobile Engineering

**Designation**: Assistant Professor

Name of the Event : Foundations of Motorcycle Maintenance: Basic Training for Royal Enfield Enthusiasts

Level

: College Level

Mapping with UN SDGs (Tick the relevant): No poverty (SDG 1), Zero hunger (SDG 2), Good health and well being (SDG 3), Quality education (SDG 4), Gender equality (SDG 5), Clean water and sanitation (SDG 6), Affordable and clean energy (SDG 7), Decent work and economic growth (SDG 8), Industry, innovation and infrastructure (SDG 9), Reduced inequalities (SDG 10), Sustainable cities and communities (SDG 11), Responsible consumption and production (SDG 12), Climate action (SDG 13), Life below water (SDG 14), Life on land (SDG 15), Peace, justice, and strong institutions (SDG 16), and Partnerships for the goals (SDG 17).

Venue / Mode : Royal Enfield Centre Of Excellence / Physical Mode

Date:: 20.06.2024 No. of Days : 01

: NA Funded by

Registration charges (if any): NA No. of Participants: 30

Name and Designation of Resource Person(s): Dr.J.Krishnaraj & Mr.R.Subash Technical Trainer Royal Enfield

#### Outcome:

Understanding Basic Components: Learn about essential components and systems of Royal Enfield motorcycles. Hands-On Maintenance Skills: Acquire practical skills in routine maintenance tasks like oil changes and brake

Safety and Troubleshooting: Gain knowledge on safety practices and basic troubleshooting techniques.

Remarks and Feedback on the Event: Participants valued the comprehensive learning experience, gaining insights into essential motorcycle components and systems. The hands-on maintenance sessions were particularly beneficial, improving practical skills in tasks such as oil changes and brake adjustments. Additionally, students appreciated the focus on safety practices and troubleshooting techniques, which enhanced their confidence in motorcycle maintenance.

Plan of Implementing in HiCET (if any): The workshop, organized by the Centre of Excellence, provided comprehensive knowledge to all our students

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#### Photographs of Event:





