

## Arts and Commerce College, Gadag

(Re-accredited with Grade "A" by NAAC in 4th Cycle)

## DEPARTMENT OF COMMERCE

### **NOTICE**

This is to inform all the B.A and B.COM. students that department is organised one day work shop on "Ev-Vehicle the Future of India" on 25/10/2024 at 12p.m hall no.5.All first and final year students are here by informed to attend and avail the benefit.

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K.L.E. Society's

Arts & Commerce College
GADAG-BETGERI-582101









Arts and Commerce College,

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## DEPARTMENT OF COMMERCE

REPORT

Workshop on Electric Vehicle (EV) Repairs and Maintenance

Department has organised a Workshop on Electric Vehicle (EV) Repairs and Maintenance in collaboration with PMKY on October 2024 at 12.30 to 1.30 p.m at hall no. 5 around 58 students have participated and availed the benefits.

#### **Executive Summary**

As the adoption of electric vehicles (EVs) continues to grow, the need for specialized repair and maintenance services becomes increasingly important. This report provides an overview of the current state of EV repairs and maintenance, including common issues, repair costs, and recommendations for improvement.

#### Introduction

Electric vehicles are becoming increasingly popular due to their environmental benefits, lower operating costs, and improved performance. However, as with any vehicle, EVs require regular maintenance and occasional repairs. This report aims to provide insights into the current state of EV repairs and maintenance.

# Common EV Repairs and Maintenance Issues

- 1. Battery Maintenance and Replacement
- 2. Electric Motor Repairs
- 3. Charging System Issues
- 4. Electrical System Faults
- 5. Brake System Repairs
- 6. Suspension and Steering System Issues
- 7. Software Updates and Diagnostics

### **Repair Costs and Labor Rates**

1. Battery Replacement: Rs.5,000 - 15,000

2. Electric Motor Repair: Rs.1,000 - Rs.5,000

3. Charging System Repair: Rs.500 - Rs.2,000

4. Electrical System Repair: Rs.500 - Rs.2,000

5. Labor Rates: Rs.75 - Rs.150 per hour

#### Recommendations for Improvement

1. Increased Training for Technicians

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oved Diagnostic Tools and Equipment hanced Manufacturer Support and Resources pevelopment of Standardized Repair Procedures Increased Availability of EV-Specific Parts and Components



## Best Practices for EV Owners

- 1. Regularly Check and Maintain Tire Pressure
- 2. Keep the Vehicle's Software Up-to-Date
- 3. Avoid Deep Discharging the Battery
- 4. Use the Correct Charging Cable and Equipment
- 5. Schedule Regular Maintenance with a Qualified Technician

#### Conclusion

As the EV market continues to grow, it is essential to address the unique repair and maintenance needs of these vehicles. By providing specialized training for technicians, improving diagnostic tools and equipment, and developing standardized repair procedures, we can ensure that EV owners receive the best possible service and



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## K.L.E. Society's

# Arts and Commerce College, Gadag

# **Department of Commerce**

# Workshop on 'Ev.Vehical and Future of India'





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**COMMERCE ASSOCIATION** 

Date: :25/09/2024

Workshop On "EV-Vehicle Repairs and Maintenance"





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Department of Commerce

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# CERTIFICATE OF PARTICIPATION

This is to certify Kum/Kumari

B.COM/B.A..... sem participated in the Workshop on "Career guidance in EV Sector held on 25-9-2024.



