

# Design and Development of E-Cargo Bicycle

Tejal Thakare<sup>1</sup>, Harsha Lande<sup>2</sup>, Abhishek Bathe<sup>3</sup>, Faizankhan Pathan, Prathamesh Kalpande<sup>5</sup>

Department of Electrical Engineering<sup>1,2,3,4,5</sup>

Shri Sant Gajanan Maharaj College of Engineering Shegaon, Maharashtra, India

**Abstract:** Electric vehicles are the upcoming future of the transportation system. These vehicles produce very low pollution, are silent, and also have high efficiency and flexibility. This paper outlines the designing of the electric vehicle (EV) which is a Cargo vehicle combined with bicycle and forming an Electric Cargo Bicycle. The main aim of the project is to develop an electric cargo bicycle which should be reliable, sustainable and mostly economical. Along with these in EV we have also installed some advanced features to ensure the security of the vehicle and comfort of the rider/user.

**Keywords:** Automatic Headlight, Hub motor, Battery, Fingerprint unlock system, Electric Vehicle

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