

Automatic Air Fan Controller for Air Conditioner

Krishna kamble¹, Yashwant Kamble², Yash Shinde³, Omkar Waygaonkar⁴, Yogesh Patil⁵

Department of Electronics and Telecommunication Engineering¹⁻⁵

Vishweshwarayya Abhiyantriki Padvika Mahavidyalaya, Almala, India

Abstract: *The Automatic Air Fan Controller for Air Conditioners is a smart system designed to enhance the energy efficiency and user comfort of air conditioning units. This system integrates temperature and humidity sensors to automatically adjust the fan speed based on the ambient environment. By optimizing the fan's operation, the controller ensures that the air conditioner operates at peak efficiency, reducing energy consumption while maintaining a comfortable indoor climate. Additionally, the system includes a user-friendly interface that allows for manual override and customization of settings. This innovation offers significant potential for reducing electricity bills and extending the lifespan of air conditioning units by minimizing unnecessary wear and tear. Through its automated adjustments, the controller contributes to a more sustainable and efficient cooling solution, making it suitable for both residential and commercial applications*

Keywords: Automatic Air Fan Controller

