

DESIGN AND DEVELOPMENT OF ULTRA LOW POWER WIRELESS PROGRAMMABLE COMPACT DEVICE

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ABSTRACT

This project is about to design and development of ultra- low power wireless device. Which is used for wireless devices and wireless applications. Requirements the design of microelectronic circuits with the low power blow out. Additionally, the size and complexity of the chip are parallel increases with the demands. In order to extend the life span of battery powered wireless sensor network lumps. This move on from the power module, nRF24L01 and Atmega328 to design ultra- low power wireless module. The lumps increase the power module's ability maximally. At the same time, it makes use of ultra- low power data processing module. The energy consumption of wireless device which has the practical importance of expanding the application and its effects ona wireless device.

KEYWORDS: *At Mega 328, nRF24L01, Arduino, Basics of Power, Transistor as Switch, Power Filter, Noise Rejection*

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