

Generic Board for Industrial Appliances using IoT and GUI

Prof. S. D. Mali¹, Rudrani Kale², Sagar Ghode³, Swarag Baad⁴

Assistant Professor, Department of Electronics and Telecommunication Engineering¹

Student, Department of Electronics and Telecommunication Engineering^{2,3,4}

Sinhgad College of Engineering, Pune, Maharashtra, India

Abstract: *The paper focuses on the integration of the Internet of Things (IoT) with Graphical User Interface (GUI) in the design and development of industrial appliances. The integration of these two technologies enhances the usability, flexibility, and efficiency of industrial appliances. The paper presents a detailed discussion of the benefits and challenges of IoT and GUI integration in industrial appliances. It also explores various applications of IoT and GUI in industrial appliances such as smart factories, logistics management, and supply chain management. The paper concludes by highlighting the potential of IoT and GUI integration in revolutionizing the industrial sector by improving productivity and reducing costs.*

Keywords: Automation, Manpower, Software, Hardware.

REFERENCES

- [1]. Shubham Singh, Swapnil Namekar.; International Journal of Engineering Applied Sciences and Technology, 2020 . Vol.4, Issue 12, ISSN No. 2455-2143, Pages 298-300
- [2]. Published Online April 2020 in IJEAST (<http://www.ijeast.com>)
- [3]. Paul Stone Macheso, Doreen Totho; Article in International Journal of Computer Communication and Informatics. August 2022.
- [4]. Amrut S. Salunkhe, Yuvraj K. Kanse, Suhas S. Patil, "Internet of Things based Smart Energy Meter with ESP 32 Real-Time Data Monitoring", August 2022.
- [5]. Mohammad Hossein Yaghmaee," Design and Implementation of an Internet of Things Based Smart Energy Metering", 6th IEEE International Conference on Smart Energy Grid Engineering, 2018.
- [6]. A. D. Jadhav, S. D.Mali, "RTOS based MODBUS protocol implementation on ARM-7 processor", ICWET '11: Proceedings of the International Conference & Workshop on Emerging Trends in Technology, February 2011, ISBN:9781450304498, DOI:10.1145/1980022,Publisher:
- [7]. Association for Computing Machinery New York, NY, United States.