

Building an application with STM32 KIT using external interrupt programming

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Abstract: This topic focuses on building an application based on the STM32 Kit, with an emphasis on applying external interrupt programming. The context of the topic is set against the necessity of modern automation systems in industrial practice. The main objective of the research is to improve the performance and reliability of the application by optimizing the processing process through the effective use of external interrupts. The approach includes both theoretical research on external interrupt programming techniques and practical implementation on the STM32 system. Through this, the topic aims to contribute to the development of automation technology and provide useful solutions for practical applications.

Keywords: STM32, External Interrupt Programming, Automation