

Design of practice module on STM32 kit

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Abstract: This topic focuses on designing and implementing practice modules based on the STM32 kit, aiming to meet the training needs for microcontroller programming skills for students. Through theoretical research combined with experimentation, the objective of the topic is to build an effective learning support system suitable for the teaching curriculum in embedded technology. The design and implementation method is based on a requirements analysis, model design, and code deployment approach. The expected outcome of the topic will provide students with a solid technical foundation, while also contributing to the diversity of practical learning curricula at universities.

Keywords: STM32, Microcontroller, Graduation project, Learning support, Experiment