

# **Design and implementation of a digital assistant for reporting and communication of Youth Union activities based on computer vision, LLMs, and the N8N platform.**

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**Abstract:** In the context of the continuous development of information technology, designing and deploying a digital assistant system to support reporting and communication for Youth Union activities is an urgent need. This project aims to build an effective system based on technologies such as Computer Vision, Large Language Models (LLMs), and the N8N platform, in order to automate the reporting and communication process. The research method combines theory with experimentation, providing a comprehensive solution for Youth Union activities. The project is expected to bring significant importance in improving the performance of Youth Union work and developing modern technology applications.

**Keywords:** digital assistant, automated reporting, LLMs, computer vision, N8N