

This project is expected to develop a wireless wheeled robot, and a mobile application for helping the students with no background in technology to make and test their first robot in a flexible way.

This project is based on the teaching and learning experience of general education course UGEB2303: Robots in Action. Previously, this course is taught by lectures and followed by lab sessions, where students can only write their codes on desktops in the lab. Via the new wireless robot and mobile application, students could cherish the benefits that fundamental knowledge and tutorial of robots can be learned by mobile phones or tablets, and programming becomes an easy thing that coding and compiling can be done by simply using the proposed mobile application.

To the best knowledge of applicants, it is the first attempt to develop a mobile application of teaching purpose for programming, and coding in wireless robot control.