



WEX

WHEEL EXPLORER



DESCRIPTION

Mobile games and apps nowadays only involve human-smartphone interaction. This project further explores Edutainment aspect by including "robot in-loop" function to increase user's interest in learning while playing games.

Needs

Wheel Explorer (WEX), a mobile robot controlled using mobile apps which provide phycho-motor activities and increase children curiosity in learning. Mobile robot can be re-programmed for amateur robot learning kits.

Application

- a) Mobile apps on smartphone
- b) Bluetooth
- c) Microcontroller
- d) Mobile Robot
- e) Racing Track

Benefits

- a) To expose participants with basic principle of microcontroller and its application.
- b) To develop innovation and creativity thinking among participants.
- c) To engage participants with current technologies.

Targeted Market

- a) Primary and secondary students.
- b) Young hobbyist.
- c) Training centre.



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