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# "Your First Robot" ROBOTIC LEARNING KIT

## NOVELTY

- ⇒ Low price in learning process
- ⇒ Explore and show off our skills in robotics

## INNOVATION AND SCIENTIFIC VALUE

- ⇒ Develop and fabricate the new PCB board based on Arduino Uno
- ⇒ User friendly robot

## COMMERCIALISATION

- ⇒ Simple process step
- ⇒ Low cost with high output

## INTRODUCTION

Your First Robot - Robotic Learning Kit is structured to help student learn about robotic from beginner to advanced. We provide guidance and step – by - step instructions for easy robotics projects. Students will learn how to develop a robotic stuff such as control system and sensors elements. Our main goals for this project is to help student get a better source about fundamental of robotic. This learning kit comes up with electronic set, instruction book and tutorial video for easy learning. This learning kit robotic would be more fun and interactive for students to explore.



## RESULT

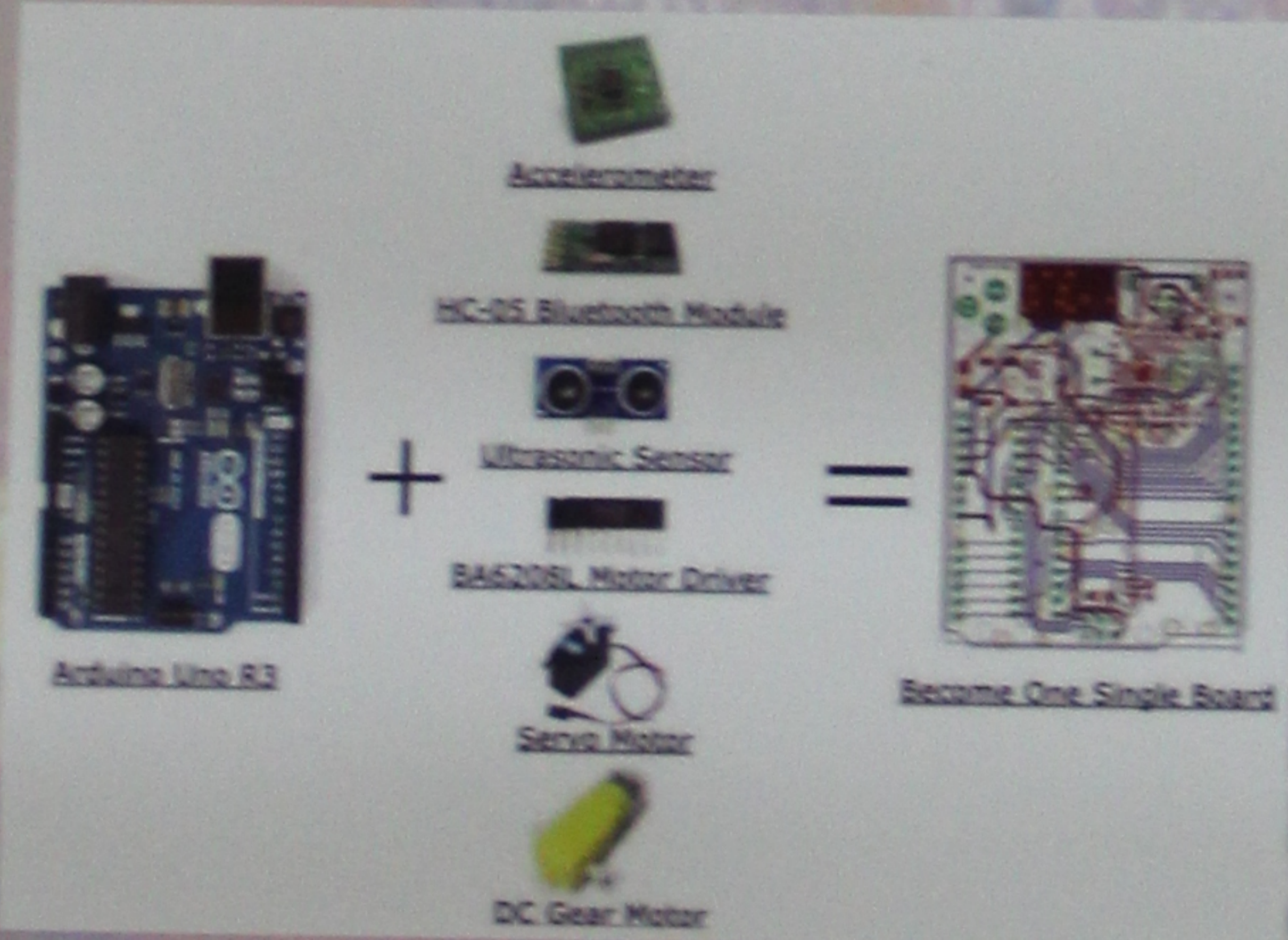


Figure 1: The Arduino Uno combine with other peripheral device that fabricated in PCB



Figure 2: Fabricated the new PCB board

## CONCLUSION

In this project, the learning kit robot was implemented by various type of sensors. This project is good for beginner to improve their skills in robotics. We guide the students till the end, until they able to programme a robot using a specific programming and a controller to move. Basic electronics, mechanical and programming will be use throughout this project.