FACULTY OF ENGINEERING TECHNOLOGY

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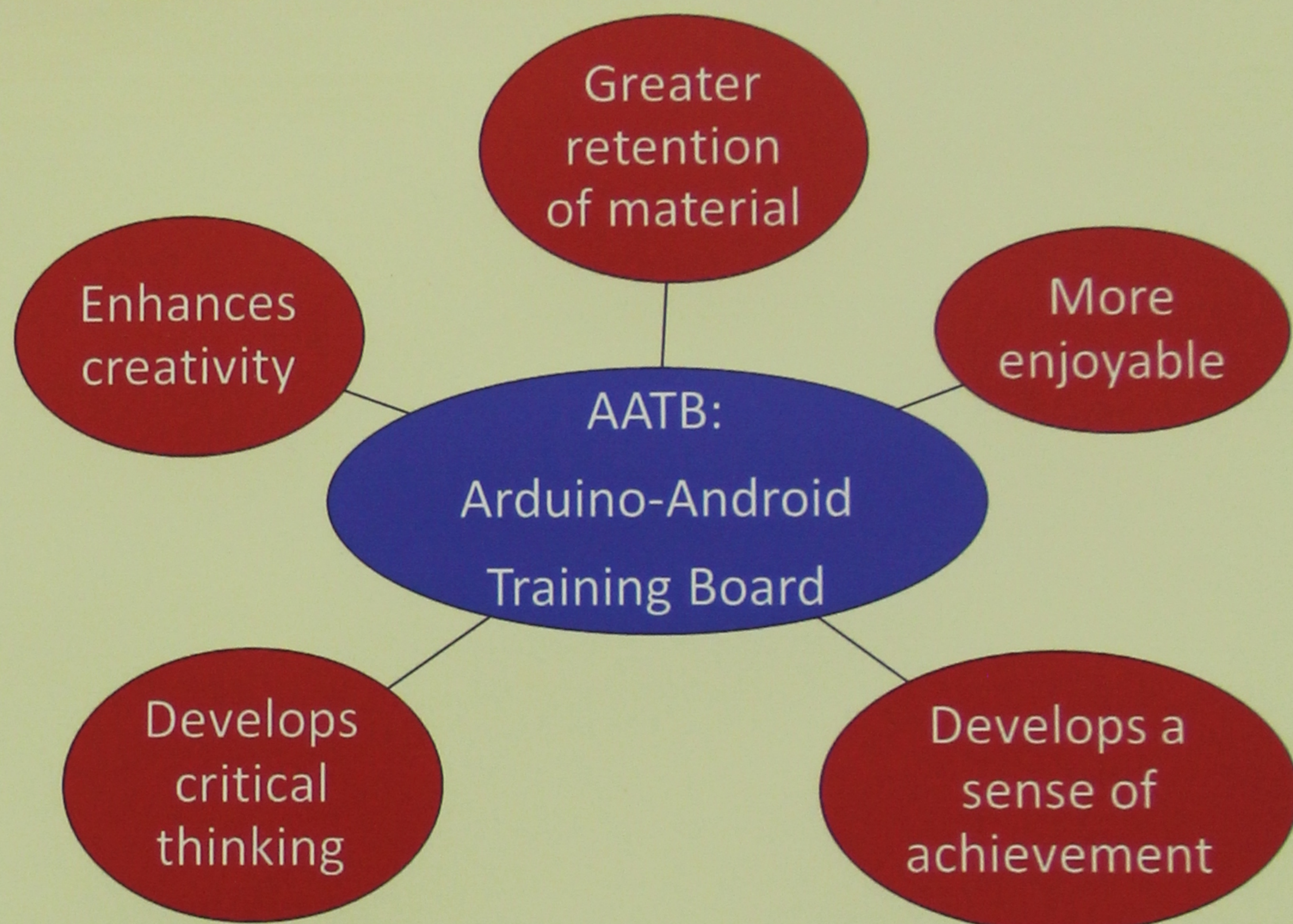UNIVERSITI MALAYSIA PERLIS,
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AATB: Arduino-Android Training Board

PRODUCT DESCRIPTION

➢ Through extensive educational research, it has actually been proven that students are going to have a lasting comprehension of things they do in comparison with the ones they only see or hear.

➢ So with AATB, secondary school students and undergraduate students can learn how to make simple project by using Arduino board and Android apps (MIT App Inventor) in an interactive medium. Students working with AATB is a great opportunity to highlight their unique creative skills. This is because they are exposed to many raw materials that they can use to develop and learn products which reflect their insights to various topics.

➢ Arduino is an open-source electronics platform based on easy-to-use hardware and software. It's intended for encourage anyone making creative projects. Android also gives you tools for creating apps that look great and take advantage of the hardware capabilities available on each device. It automatically adapts your user-interface (UI) to look its best on each device, while giving you as much control as you want over your UI on different device types.
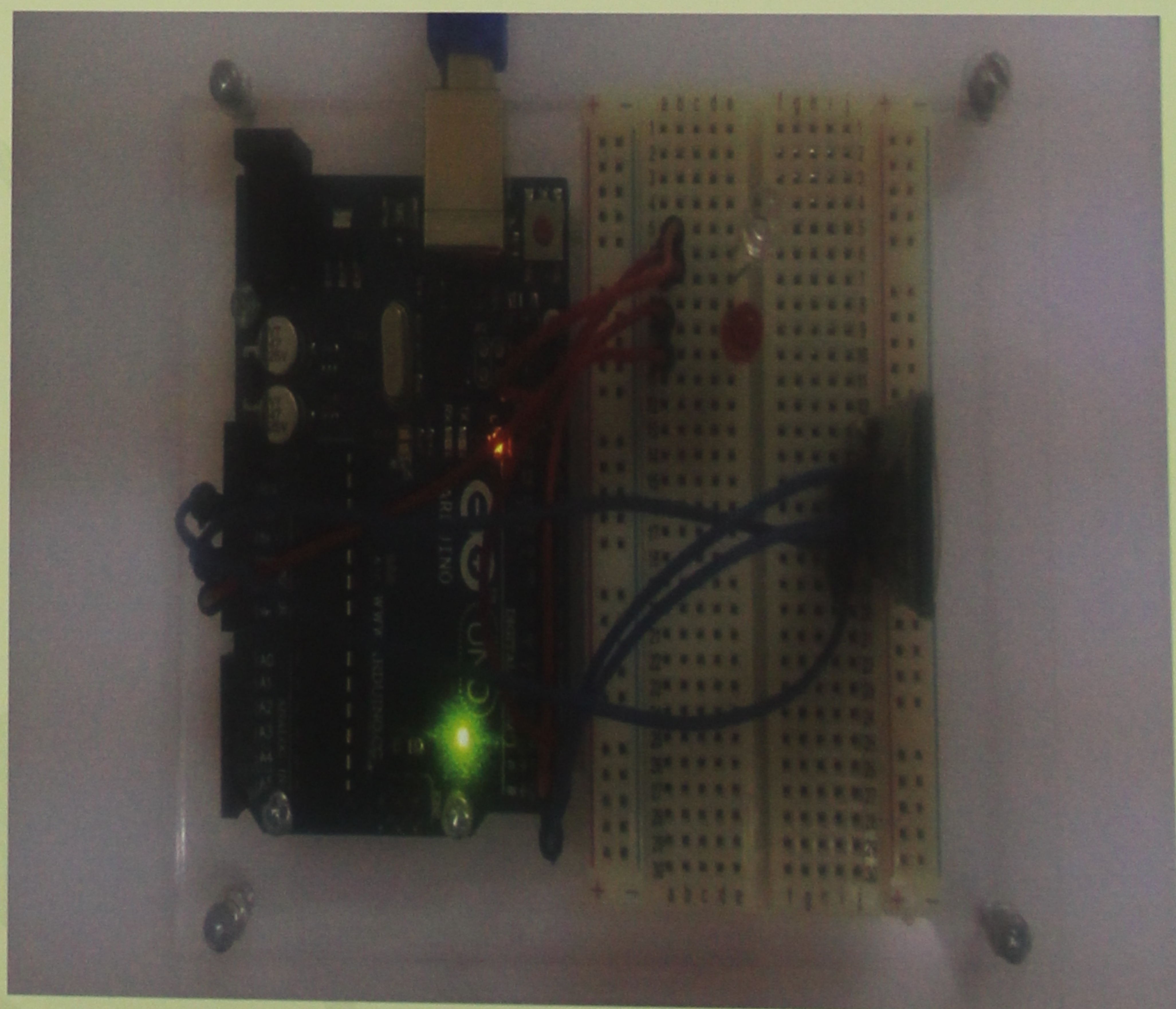
PROBLEMS STATEMENT

Many students fail to do their best in certain classes since they claim that it is very boring to just sit around and listen to a very long lecture. On the other hand, with hands-on learning aided by AATB, the students are able to participate in the activities and thus it increases their motivation. The students will become more enthusiastic towards the lessons leading to improved results.

PRODUCT ADVANTAGES

➢ Produces more interactive and creative products in a short time.
➢ Low cost.
➢ Easy to do and understands.

NOVELTIES

- Greater retention of material
- Enhances creativity
- More enjoyable
- AATB: Arduino-Android Training Board
- Develops critical thinking
- Develops a sense of achievement

PRODUCT DIAGRAM