

Jefri Bolkiah Engineering College Brunei Darussalam

On 7th July, two institutions battled out with own robots for the Asia- Pacific Broadcasting Union (ABU) Robocon 2005 at the Sultan Saiful Rijal Technical College Multipurpose Hall. Our team, SAMOT 2005 (Jefri Bolkiah Engineering College) defeated Sultan Saiful Rijal Technical College in two-round competition and qualified to represent Brunei Darussalam at the fourth ABU Robocon contest at Beijing, scheduled to be held from August 25 to 29 2005 with CCTV as the host broadcaster. This is the third years the SAMOT team represented Brunei Darussalam. The selection was made based on fastest time to "Climb the Great Wall" or highest score. In both rounds, no team achieved "Climb the Great Wall" and so the team with highest score won the local competition.



During the robot-making, many problems were encountered. We always have the same difficulties compare with last two years. We used three months to finish this Robocon project. In order to avoid interrupting our study, in addition to the constraints of the short time frame and low man-power, we had been working from day time till late mid-night, even till the next morning. Although we only had eight students involved in this Robocon project, we managed to complete our main tasks. Another major problem, as has been faced over the years, was difficulty in finding the right parts or components. Almost all electronics components and various other parts had to be ordered from overseas. We also used second hand and low quality material in order to save our budget and for their availability.

We have gained much knowledge from this Robocon project. Apart from better capability in robotic technology, we have also learnt to be innovative, competitive and tactical. Our interest in robotic technology has also much increased. We have learnt a lot from the last contest. Not only did we see our weaknesses, we also learnt from the strengths of other teams.

This year, higher technologies, strategies and more ideas were seen from various countries in Beijing Robocon. The level of standard of the competition had grown and increased in a more advancing rate compared to the previous years. From this experience, we will try to improve our design and construction and using better technologies to built other robots. Looking at other countries sophisticated Robots, we see that ours are still way far behind. We hope that we could improve ourselves so that we can be as same level as the developed country and this will bring Brunei step forward in Robotic technology.

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