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CUBERS, STUDENT AND NON-PROFESSIONAL ASSOCIATION FOR CUBESAT DESIGN,
MANUFACTURING AND APPLICATION TO FORM AGILE AND LOW COST R&D SECTION FOR
INDUSTRY

Abstract

Cubesat, as a simple low cost operational satellite, is a very popular system to be followed in universities. That is why it can be used as a good platform for space education ending to a functional (and maybe operational) system. Due to this opportunity, a competition has been organized to design and develop cubesat in university environment, and based on the rules, some teams were chosen in each phase based on documents and end of the phase reviews. Selected teams were guide to continue the project, but it was not mentioned to forget about the other teams, as they may be qualified but not selected due to number of teams limit. Cubers, the club of Students Making Cubesat were established, then; where students may find their way after they could not continue with the competition, in a new condition. The club, but, is not only a name, there will be different support from competition organizers in order to make the students hopeful in their way to complete their project, such as Free Workshops and Training Programs, Mentorship, a Place for Team session and Free Test Facilities. These options made Cubers to promote itself, so not only other teams that were involved in the competition registered as a member, but also other students and graduate from engineering disciplines who were interested in space technology came for improving the skills. Now, Cubers is a society that is not only referred by non-professionals, but also experts come to plan their workshops or short courses. Some companies are also interested in using such society, as it gathers selected graduates with improved skills, who are now a very good team for RD activities. This society, now with about 500 graduates from different disciplines related to space technology, help both graduates and industry to get benefits in short time and find a path for long term cooperation. This paper will present some successful cooperation under this society which can be beneficial for the similar emerging countries.