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Development, and Present Status of PocketQube ‘Nepal-PQ1’

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I can share my experience about starting hands-on based space education in engineering education. I have been promoting space education in Nepal, where there was not any project on space. I founded my company called ORION Space to promote space education, and initiate space related project in Nepal. I started with CanSat Project, which is Project Based Learning method to teach about space and satellite technology. CanSat is a model used to teach about satellite. Now, we have a real satellite project on going in-house (in Nepal). The satellite is 5cm x 5cm x 5cm size, and its called PocketQube. We have completed OBC, and Communication board. Therefore, I can share my experience how to start space project at minimum budget. Many developing countries can learn from our experience. We have presented our work at OSCW-ESA (Open Source CubeSat Workshop) 2017, The 1st IAA North East Asia Symposium on Small Satellites- Serving the Needs for the Benefits of the Region in Mongolia, and conference ISTS 2017 in Japan.

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