

## **Guigang survey trip 20180519-20180521**

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This was the first time to experience the hot summer in GuangXi. This trip aims at collecting the land shape of the Duling Primary School and the site area of the proposed kindergarten by the means of land surveying.

We used total station and prisms to measure the height difference and the coordinate of the site. It was a good experience to practice what we have learnt in school. Also, it teaches me that there may be some site constraints. These constraints may disturb our original surveying planning, so we need to made a feasible and practicable alternation immediately after discovering these constraints.

Data collected need to be processed by computer software. Through the process of using AutoCAD, I have learnt some advanced techniques which did not teach during the lecture. I believe such techniques are very useful in future study.

One special discovery from this trip is that the difference in coordination system. In GuangXi, their coordination system is quite different from our understanding. Their X and Y axes are swapped when compare to Cartesian coordinate system. That is their X-axis is pointing to north.

To sum up, this is a nice trip and provides tremendous learning experience to me.