

The Second Working Trip to Guigang (25th – 26th February, 2017)

By TSE Hoi Yan, Vicky – BEng(CivE) III

The second working trip to Guigang was led by Dr. Ray K. L. Su and Ms. Anila Ma, together with 13 students from the University of Hong Kong (HKU), while 2 students from South China University of Technology (SCUT) were led by Professor Deng.

Since the feasibility study stage for Duling Primary School Extension Project has almost come to an end, the objective of this trip is to conduct an architectural survey and a more detailed structural survey for the coming preliminary design stage.

Students are generally divided into two teams. The architectural survey team was led by an architect, Elisabeth Lee, who shared her experience at work with students and provide guidance towards the architectural survey. The main task of the architectural survey team was to study the architectural features of buildings and the daily routines of the villagers. By studying the architectural features, the material available in the area can be identified for the convenience and cost of the construction. Students also investigate the culture, religion, weather and circulation for completing the architectural survey.

The structural team was led by Dr. Ray K. L. Su. The main task of the structural survey team was to conduct a structural analysis of the existing teaching block and investigate the slopes near the campus. On the first day, Dr. Su and civil engineering students observed and evaluated the structural stability by looking into the building externally and internally. Dr. Su analyzed different components of the building, and explained the failure mode and load path. The major structural instability was reflected by the cracks on walls which are very likely to be caused by thermal shrinkage, and most of the major cracks were found in the western teaching block. On the second day, civil engineering students from HKU and SCUT measured the size of major cracks. They also created sketches of various cracks and took pictures for documentation.

Apart from architectural and structural survey, students also interviewed the villagers in the nearby four villages to collect data on household background and their expectations towards the new kindergarten. Besides, a plan for extension of Duling Primary School was prepared in January. Two students briefly introduced the plan to the principal and interviewed the principal for more details on the policies of kindergarten service as well as his requirement towards the kindergarten.

List of team members for the trip

Teaching staff:

Dr. Ray K. L. Su

Ms. Anila MA

13 undergraduate students:

CHAN Chau Wong, BEng(CivE) III

CHAN Wing Huen, BSc(Surv) II

CHEUNG Wing Tung, BSc(Surv) II

CO Dominic, BArch II

Hannah den BOER, BSocSc IV

LAI Pak To, BSocSc(Govt&Laws) II

LEE Wai Yan, BArch III

SHUM Pui Ying, BEng(CivE) III

SIT Yi Lam Kathy, BSc(Surv) II

TSE Hoi Yan, BEng(CivE) III

WONG Chi Wai, BEng I

WONG Chun Sing, BEng(CivE) III

YEUNG Bozco Yik Chun, BEng(CivE) III