

## Asia Programme, final report for projects 2015-2017

### SUMMARY REPORT FOR PUBLICATION

**Name of the project**

Aalto-IITB DiDaCTiC Collaboration (Digital Design and Construction Technology in Coursework)

**Coordinating Institution**

Aalto University

#### Objectives of the project (as indicated in the project proposal)

Build the basis for long term educational collaboration between Aalto University and IIT Bombay, especially in the areas of digital design and construction, through:

1. Exchange of students at bachelors, masters and doctoral levels
2. Short mobility of faculty
3. Joint student project work
4. Summer school
5. Sharing on knowledge and cocreation of curriculum and learning material

#### Achieved results and outcomes

Basis for long term collaboration has been achieved, with future proposals and activities already in place, beyond the funding provided by this project. Future activities already agreed include GIAN teaching course at IIT Bombay in 2018, continuation of Aalto BIM Summer School as an annual program, Academy fo Finland proposal as a joint activity, preparation of Erasmus Capacity Building and Curriculum development proposal being developed. With respect to the specific objectives, some of the indicators include,

1. During the projects five undergraduate students from IITs and one masters student visited Aalto University. Two masters student and PhD student from Aalto University visited India.
2. Two faculty from IIT Bombay visited Aalto University and one faculty member from Aalto University visited IITs.
3. Bachelors and masters students from IITs worked with masters and doctoral students at Aalto University in two research projects, one of which is ongoing. In addition, these students also worked together during the course project works at the Summer School with other international students.
4. Two summer schools were organized (2016, 2017) at Aalto University, each with 40 students, including students from Aalto University, IITs, and other Finnish and international institutions.

5. Prof. Vishal Singh from Aalto University, Prof. Venkata Santosh from IIT Bombay and Prof. Kosher Varghese at IIT Chennai are working together on BIM curriculum development document. In addition, a BIM educational platform is being developed at Aalto University.

#### **Activities carried out during the project**

1. Exchange of students all levels: bachelors, masters and doctoral students
2. Mobility of faculty
3. Joint project work
4. Aalto BIM Digital Design and Construction Summer School
5. Curriculum development and planning for long term collaboration, both for education and research
6. Extension of collaboration to other network partners

#### **Future developments, resulting from the project**

1. Continuation of BIM summer school as part of the annual calendar
2. GIAN course by Prof. Vishal Singh at IIT Bombay in 2018
3. Submission of joint proposals for curriculum development (Erasmus fund), joint research (Academy of Finland)
4. Extension of collaboration to include partners such as IIT Chennai and University of Hannover
5. Continuing development of BIM course material and curriculum plan, as well as the development of BIM educational platform
6. Develop mechanisms for joint supervision of doctoral research based on the MoU signed between Aalto University and IIT Bombay