GUIDELINES FOR UNIVERSITY PARTICIPATION IN CBI PROGRAM AT CERN

The Challenge Based Innovation Program (CBI) is a six-month, end-user (design) driven program which is aimed at Masters-level university students from three domains; product design, business management and engineering. During the course, the students will spend roughly one-third of their time at CERN interacting with detector R&D teams. CBI is one of the corner stone activities of IdeaSquare@CERN which is a pilot project to demonstrate the value and impact of fundamental research on our daily lives.

CERN hosts the CBI courses in a collaborative spirit, providing free of charge a dedicated building and rapid prototyping facilities for the students and their teaching teams.

The participating universities are in turn invited to participate based on the following general guidelines;

1) The interested universities are encouraged to establish a dedicated network for centrally handling the CBI program at CERN and to nominate a program coordinator;
2) CERN encourages participation from its member states;
3) The students are selected and proposed by the respective home universities;
4) The students accepted by CERN will be allocated to cross-disciplinary student teams by the CBI Program Coordinator, who also assigns the student project, in consultation with CERN and the home universities;
5) The CBI students will be assigned to detector R&D projects, currently funded by the EU;
6) The goal of the project assignment is to build a concept prototype with an end user focus, deemed as useful in society, and inspired by the CERN environment;
7) Each home university fund and insure their own students during their stay at CERN (i.e. travel, accommodation, daily allowance). As guidance, the minimum living cost in the Geneva area corresponds to ca 60€ per day. The total cost per student for the entire time period, including material costs used for prototypes, is estimated at 5 k€;
8) While on CERN premises, the students and the teaching team members adhere to the CERN rules, including IP matters;
9) Each home university assigns adequate time and a dedicated space for their students to work on and store their prototype(s) while not staying at CERN;
10) All students will be present at CERN at the beginning and end of the six-month course. The course ends with a public “Gala” prototype demonstration event. In between, the students are welcome to CERN whenever deemed necessary by their teaching teams;
11) The students need to be accompanied at CERN by a member from each participating home university. This member will be part of the assigned CBI teaching team and

will get prior coaching about the goals and pedagogical aspects related to the CBI Program.

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