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To educational institution in
Janakpurdham Nepal

Subject: Letter of invitation to the workshop on Embedded Systems

Dear Madam/Sir,

We are pleased to invite 5 of your students, who have extraordinary interest in the field of engineering. We are organizing a workshop on embedded systems at the conference hall of the hotel Manaki on 10 & 11 March 2014. The workshop is aimed to providing hands on experience with basic-electronics, micro-controllers, and cutting edge development in high-speed programmable chips. The students will also have an opportunity to learn functional implementation of these devices. We will focus on basics of embedded systems, simplicity in programming and electronics, how physical world stimuli can be converted to digital form, how the signals look like and how to interpret and use them. For instance, a planned exercise is to measure the speed of a moving object using ultrasonic waves and use it to trigger some other event.

The number of participants per institution is fixed due to the limited resources that we can bring from Germany. The standard target group comprise of the students from **grade 9 onwards including engineering candidates**. The students, who do not fulfill this criteria has to show special motivation to qualify for the participation. We will provide the micro-controller kits (Texas instruments and ATMEL), breadboards and a common digital oscilloscope. There is a possibility for participating institution to procure the devices for their extracurricular activity inventory (see enclosed document). The participation cost per institute is Rs. 3500.

We hope to give students a chance to: raise their horizon of engineering thinking, achieve new level of confidence in their knowledge, learn by doing, and develop more practical understanding of science and engineering.

Sincerely yours,

Sanjeet Raj Pandey