

Texas Instruments India Analog Design Contest 2011

Organized by Texas Instruments, India

www.ti.com

Partner: element14 (<http://in.element14.com/>)

Official Website of the contest: www.uniti.in/analog-design-contest

Congratulations! Your team has been given a chance to take part in the Phase 1 of the Texas Instruments India Analog Design Contest, 2011! This communication will guide you further on how you must proceed. Please read this carefully.

TI India ADC 2011 has drawn a large response. Note that a total of 41 colleges and 156 teams are taking part in the contest.

- The contest will consist of three phases – Phase 1A, Phase 1B, and Phase 2.
- In Phase 1, each team will be scored for 100 marks, of which Phase 1A carries 20% weightage and Phase 1B carries 70% weightage in final evaluation. We will add 10% weightage to the process compliance aspect. Process compliance includes adhering to proper procedures and sending the inputs within stipulated deadlines. We have included a separate document on what Phase 1A is and how you will have to proceed with Phase 1A.
- We normally expect that one team from each college will emerge winner in Phase 1. Please note that the TI India reserves the right to not declare any winners from a college if the quality of the final submissions is not up to the mark or if a team from the college violates the rules and regulations. (Last year, a college was disqualified because a team submitted the same project for another contest, which is in violation of our rules.)
- Winners of Phase 1 will enter Phase 2 – this includes a final demonstration of the project at TI India campus.

Some immediate steps you must take care of:

- The faculty mentor for each team must confirm to us through a letter that you are willing to take part in the contest as per the rules and regulations
 - See [Appendix B for a sample letter](#)
 - We must receive this letter before **July 15, 2011** by hardcopy
 - A soft copy must be sent to ti-india-adc2011-coordinator@list.ti.com
- The team members must send the request for semiconductor parts (ICs and Evaluation Modules/Development boards)
 - We have included an Excel sheet (XLS) which you must use to send in your request for semiconductor parts.
 - The deadline for submitting the XLS on CMT is **July 20, 2011**

- The cost of Evaluation Modules (EVM) should not exceed \$200 per team (excluding the cost of the Analog System Lab Kit).
 - While you can list all the components you will need, note that we can only provide you the components that TI manufactures. For the other items, we will refer you to purchase them from element14 or another source.
- We will send the mentor of Team A one Analog System Lab Kit – we will like to get an acknowledgement from the mentor about receiving the kit.
- **Work on Phase 1A-** Implement the given problem on ASLKv2010 Starter Kit and submit the solution
 - **Deadline – Aug 30, 2011.**
 - Please refer to Terms and Conditions for Phase1A.
- **Work on Phase1B-** Implement your project, complete the hardware and software design and testing and submit the report
 - **Deadline – Feb 1, 2012**

Please go through the two appendices attached at the end of this letter. I look forward to receiving your letter of confirmation.

C.P. Ravikumar
Technical Director, University Relations
Texas Instruments, India

Appendix A - General Guidelines for the Analog Design Contest

Please note the following points w.r.t. TI India Analog Design Contest - 2011. If you feel that you will not be able to conform to these rules, we request you to inform us immediately.

1. The contest is intended for undergraduate students. If you are a post-graduate student (M.Tech, MS, Ph.D. etc.), we request you to withdraw your proposal by writing to us.
2. The teams from the same college must be disjoint. In other words, we cannot have students common to multiple teams. The amount of work involved in the project will be substantial!
3. The deadlines for submission of the list of components and the final report will be strict. We will award 10 marks for process compliance.
4. Please ensure that the team has sufficient time to carry out the project with the regular semester load. If, for some reason, you wish to withdraw from TI India ADC 2011, be aware that you may jeopardize your college's position in the contest - e.g. if a college has 3 teams and one of them does not submit the report, no winner can be declared from the college.
5. The TI India Analog Design Contest is not a software design contest. In other words, do not plan on using a ready-made development kit to develop software. The contest is intended to encourage students to carry out system design, which involves both hardware and software design. We encourage students to make a PCB for the final demonstration. Therefore, you must ensure that you have PCB design facilities available.
6. If your team gets shortlisted, please be realistic in terms of what can be completed in about 4 months by a group of 2 or 3 students. You must leave sufficient time to write a good report.
7. **Placing a Request for Components: -**
 - a. When requesting for TI semiconductor, please ensure that the chips are available in the free samples program. You can visit www.ti.com and click on the "Sample and Buy" link to find out what chips are available in the free samples program. The same chip may be available in multiple packages. You must specify the exact package and the number of samples you are requesting.

- b. You may also request for hardware development boards/kits. The total value of the equipment must be limited to \$200.00 per team. If the teams from the college are more than 3 then components must be shared among teams.
- c. Submit the component request strictly as per the format attached. You must upload your component request on CMT website.
- d. Please don't ask for the ICs which are not available in the free sample program. If your request exceeds \$200 or if you have named components that TI does not manufacture, we will direct you to element14 and request you to purchase such components.

Appendix B- Format of the letter of confirmation from faculty mentor
(To be printed on college Letter head)

To,
Dr. C.P. Ravikumar,
Technical Director. University Relations
Texas Instruments, India
Bagmane Tech Park
CV Raman Nagar
Bangalore-93

Date

Subject: Confirmation of participation in TI India Analog Design Contest 2011 as per the rules and regulations.

Dear Dr. Ravikumar,

I [name of faculty mentor](#) the mentor of project entitled "[Title of the Project](#)" carried out by the following students [names of the students, which semester they are in](#) have received your acknowledgement mail sent on July 1, 2011. I confirm that I and my students have read the attached Do's and Don't document and rules and regulations of the contest available from www.uniti.in

I confirm the following points in regard to TI India Analog Design Contest 2011

- I express our willingness to take part in the contest as per the rules and regulations and I and students members of the team agree to the terms and conditions.
- I am willing to mentor the project and help the students to complete their projects.
- All the participating students are bonafide undergraduate students of our college.
- I nominate [name of the students](#) as the coordinator for the communication with the TI
- The coordinator will submit the request for semiconductors, shipping address, and TIN number by July 20, 2011.
- I assure that an official acknowledgement of the receipt of semiconductors will be sent and the components will be added to the college inventory.
- The coordinator will submit the report of Phase 1A by August 30, 2011
- The coordinator will submit the final report by Feb 1, 2012 to Texas Instruments, India.

[Signature and seal of the department](#)