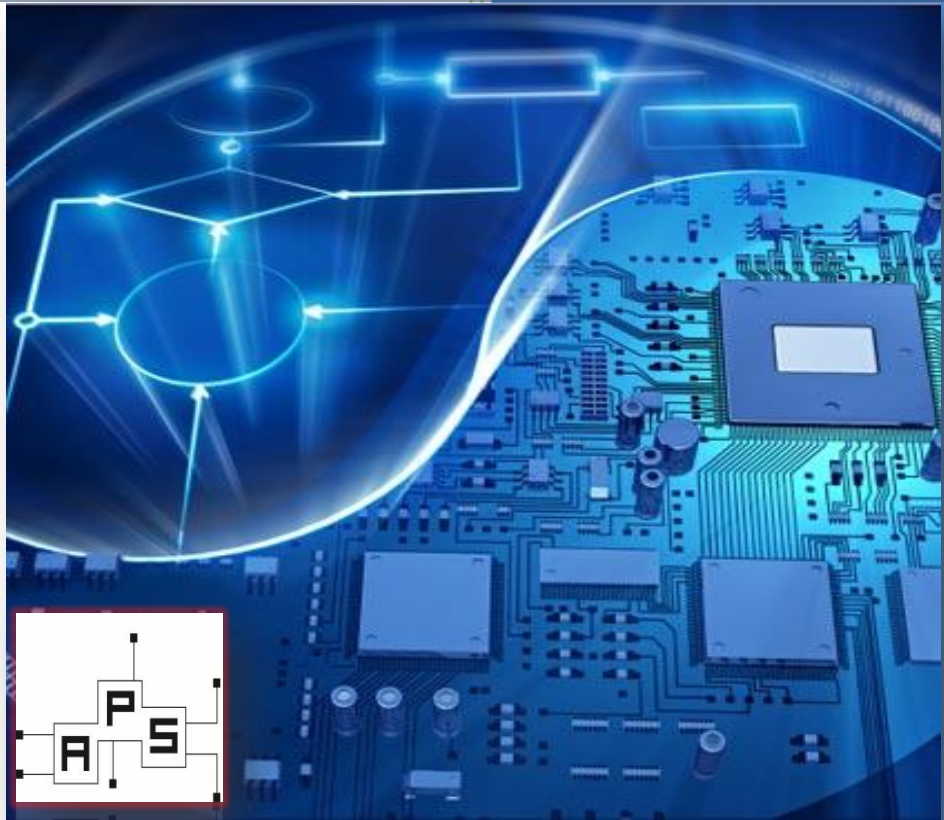


2013/2014

ALEXploratorium Projects Support (APS)



APS 2012/2013

Objective

The Bibliotheca Alexandrina has established the Planetarium Science Center (PSC) to help in building the Egyptian knowledge society through encouraging young researchers and innovators.

The ALEXploratorium Project Support (APS) program was initiated by the PSC to encourage young engineers to put their ideas into feasible applications. It is designed to support undergraduate students in the Faculties of Engineering, both technically and financially, to advance and upgrade their projects through offering them technical and financial support.

APS Description

APS competition is open to all Faculty of Engineering students starting from the second to the fourth academic year. The competition is held every year to support the graduation projects.

Depending on the nature of the competition projects request, competitors will form teams either from one or several engineering departments. Registered teams will all compete in the projects' designing phase. The winning teams will have to continue through the projects' implementation phase. Projects' execution will be in collaboration with the PSC team, and in line with the PSC administrative and financial roles.

Registration procedures, guidelines and competition schedule are posted on:
<http://www.bibalex.org/en/PSC/GetInvolved/ALEXploratorimProjectSupport.aspx>

APS Competition Regulations

- **Registered Teams**
 - APS competition is held every year to provide the technical and financial support to the graduation projects.
 - The competition is open to all Faculty of Engineering students starting from the second to the fourth academic year. The registered team members can include both undergraduate students and students from the other academic years.
 - Registered team members can be from the different engineering departments.
 - Accepted teams from Alexandria University are up to 3 teams, and at least one project will be accepted from any other University.

- **Technical and Financial Support**
 - Technical support is through providing PSC technical facilities, such as the fabrication workshop and/or providing some lectures in selected topics.
 - Financial support is applied according to the Bibliotheca Alexandrina (BA) financing system; please read the Guidelines.

- **Final Product**

The final product should be as stated in the Full Proposal approved by the APS Board.

- **APS Board and Judging Committee**
 - APS Board and Judging Committee are a team of professional Engineers and Academic Professors from the Faculties of Engineering.
 - They will be responsible for interviewing the teams, filtration process and final judgment.

- **Competition Finals**
 - The APS Board will judge between the teams and their projects.
 - The date of the finals will be announced by the APS Board.
 - The awards may be introduced for the best design, best performance or best project implementation.

- The APS Board will select a project to be developed and implemented as a long-term project, if there is a project that can be selected as an applied scientific research or a new technique in Egypt.
- The long-term projects will be announced during July, and all the regulations and competition phases are applied with a specific timeline.
- APS Board has the right to request from the teams to participate in engineering fairs and exhibitions.

- **Timeline**

APS Competition Timeline is as follows:

Process	Timeline
Registration	15 October – 15 December 2013, 12:00 noon
Announcement of the 1st Phase Accepted Teams	1 January 2014
Full Proposal Deadline	1-11 January 2014, 12:00 noon
2nd Phase filtration	25-31 January 2014
Announcement of the 2nd Phase Accepted Team(s)	9 February 2014
Project Evaluation (following the progress in implementing projects)	1 March - 31 May 2014
Final Prototypes Deadline	July 2014

Evaluation Process

The evaluation for all the levels will be conducted in two phases:

- Phase I:
 - The teams are selected through the registration form, depending on their answers to the questions and the **project information section**.
 - CVs are to be attached to this form for evaluation.
- Phase II:
 - The accepted teams prepare a full proposal which includes detailed design and budget analysis.
 - The accepted teams will be interviewed, and each team is interviewed individually.
 - Interviews are obligatory.
 - Each team is to prepare a slide show presentation that includes the following:
 1. Project description and flow chart;
 2. Full technical design;
 3. Needed components and expected end product;
 4. Analysis of the estimated budget;
 5. Timeline of the project;
 6. The added value of the project;
 7. Your team and teamwork (*How will you divide the work or the different tasks?*)

The winners will be announced by APS Board to start the implementation process.

Why APS?

- The competition is open to all Faculty of Engineering students starting from the second to the fourth academic year.
- APS will provide the technical and financial support to the winners.
- APS Competition aims to apply the scientific research concept and provide solutions to the new technical challenges.
- APS competition will support a long-term project, which will be selected from all the registered projects during the past years, and this tournament will be implemented.
- Each team should be ready to have their project displayed at any designated place (fairs, science centers, competitions, ...) and should mention so.
- Accepted projects will participate in the Egyptian Engineering Day (EED) at the end of the academic year.
- APS Board is willing to discuss any other options or suggestions.

For additional information:

Website:

<http://www.bibalex.org/en/PSC/GetInvolved/ALEXploratorimProjectSupport.aspx>

Email: APS@bibalex.org

Telephone: + (203) 4839999; Ext: 1733

Facebook group: ALEXploratorium Projects Support (APS);

<https://www.facebook.com/#!/groups/147703981273/>