

**IEEE UAE STUDENT DAY****2016**

Saturday, 21 May 2016

**Senior Design Project (SDP) Competition****Poster/Demo****GENERAL INFORMATION**

This competition is intended to give students in the Senior Year of their undergraduate study program the opportunity to demonstrate their graduation projects through a poster and/or an actual demo of the system.

**COMPETITION RULES:**

1. Undergraduate engineering students within the UAE are eligible to participate.
2. Each institution can submit a maximum of three projects for judging.
3. Display of an A1 size poster describing the operation of the system and its salient features.
4. Each team will be given 15 minutes to demonstrate/explain all aspects of their system and answer the judges' questions.
5. Each team will be provided with a standard table and a place for the poster.

**CRITERIA FOR JUDGING:**

The judging criteria will include:

- Originality and Creativity of the Student's contribution
- Quality of technical content
- Project Results
- Attention to non-technical aspects of the design
- Professionalism in poster and oral presentation

Detailed evaluation form with guidelines is given on the next page.

No.	Evaluation Criteria		Weight	Grade
<b>1</b>	<b>Originality and Creativity:</b> The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> <li>How much creativity is there in the design of the project?</li> <li>Is the design of the project original?</li> </ul>	<ul style="list-style-type: none"> <li>Is the project useful?</li> <li>Did the team demonstrate engineering knowledge in solving design problems?</li> </ul>	<b>/10</b>	
<b>2</b>	<b>Technical Content &amp; Final System:</b> The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> <li>Does the design meet the project requirements &amp; specification?</li> <li>Is the implementation modular?</li> <li>Is the design safe and sound?</li> </ul>	<ul style="list-style-type: none"> <li>Is the hardware and/or software fully implemented and/or simulated?</li> <li>Is the quality of the final system high/low (i.e. elegant/ robust imp. consistent with industrial standards)?</li> <li>Do the students demonstrate mastery of the domain?</li> </ul>	<b>/40</b>	
<b>3</b>	<b>Project Results:</b> The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> <li>Are the test cases clearly identified and test results clearly demonstrated?</li> <li>Are the results comprehensive, convincing and achieve the project objectives?</li> </ul>	<ul style="list-style-type: none"> <li>Has the team compared the system performance with that of other systems?</li> <li>Are all faults/limitations clearly identified?</li> </ul>	<b>/20</b>	
<b>4</b>	<b>Non-technical Design Aspects:</b> The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> <li>Did the team consider the ethical, social, and environmental impact of the project?</li> </ul>	<ul style="list-style-type: none"> <li>Did the team pay attention to human system interaction and product aesthetic related issues?</li> </ul>	<b>/10</b>	
<b>5</b>	<b>Oral Presentation:</b> The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> <li>Did the team cover all the relevant issues?</li> <li>Was the presentation clear and concise?</li> <li>Did the team show confidence in the subject matter?</li> </ul>	<ul style="list-style-type: none"> <li>Did the team make the subject matter interesting?</li> <li>Did the team answer questions well?</li> <li>Did all team members participate in the various aspects of oral presentation?</li> </ul>	<b>/10</b>	
<b>6</b>	<b>Project Poster:</b> The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> <li>Does the poster size conform to the competition specifications?</li> <li>Does the poster cover all key aspects of the project?</li> </ul>	<ul style="list-style-type: none"> <li>Is the poster informative and logically organized?</li> <li>Are the poster text, figures &amp; tables clear and readable from a reasonable distance?</li> </ul>	<b>/10</b>	
<b>Total*</b>			<b>/100</b>	

\* Classification

90%-100%	Project is an outstanding piece of work. Presentation and poster are of professional standard.
80%-89%	Project is an excellent piece of work. Presentation and poster are excellent.
70%-79%	Project, presentation and poster are very good. All design aims are met.
60%-69%	Project, presentation and poster are good. Most design aims are met.
Less than 60%	Minimum core of design aims has been met. Presentation and poster are satisfactory.