

**14<sup>th</sup> IEEE UAE STUDENT DAY, 2019****April 27, 2019****Senior Design Project (SDP) Competition****Poster/Demo****Category No. 1: Communications and Electronics****Category No. 2: Computing and Robotics****Category No. 3: Power and Renewable Energy****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 two projects per category for judging.
3. Display of a Roll-up 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:		<b>/10</b>	
	· How much creativity is there in the design of the project?	· Is the project useful?		
	· Is the design of the project original?	· Did the team demonstrate engineering knowledge in solving design problems?		
<b>2</b>	<b>Technical Content &amp; Final System:</b> The mark is based on how well the following questions are answered:		<b>/40</b>	
	· Does the design meet the project requirements & specification?	· Is the hardware and/or software fully implemented and/or simulated?		
	· Is the implementation modular?	· Is the quality of the final system high/low ( <i>i.e.</i> elegant/ robust imp. consistent with industrial standards)?		
	· Is the design safe and sound?	· Do the students demonstrate mastery of the domain?		
<b>3</b>	<b>Project Results:</b> The mark is based on how well the following questions are answered:		<b>/20</b>	
	· Are the test cases clearly identified and test results clearly demonstrated?	· Has the team compared the system performance with that of other systems?		
	· Are the results comprehensive, convincing and achieve the project objectives?	· Are all faults/limitations clearly identified?		
<b>4</b>	<b>Non-technical Design Aspects:</b> The mark is based on how well the following questions are answered:		<b>/10</b>	
	· Did the team consider the ethical, social, and environmental impact of the project?	· Did the team pay attention to human system interaction and product aesthetic related issues?		
<b>5</b>	<b>Oral Presentation:</b> The mark is based on how well the following questions are answered:		<b>/10</b>	
	· Did the team cover all the relevant issues?	· Did the team make the subject matter interesting?		
	· Was the presentation clear and concise?	· Did the team answer questions well?		
	· Did the team show confidence in the subject matter?	· Did all team members participate in the various aspects of oral presentation?		
<b>6</b>	<b>Project Poster:</b> The mark is based on how well the following questions are answered:		<b>/10</b>	
	· Does the poster size conform to the competition specifications?	· Is the poster informative and logically organized?		
	· Does the poster cover all key aspects of the project?	· Are the poster text, figures & tables clear and readable from a reasonable distance?		
	<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.