

17th IEEE UAE STUDENT DAY, 2023**April 29, 2023****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
1	Originality and Creativity: The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> How much creativity is there in the design of the project? 	<ul style="list-style-type: none"> Is the project useful? 	/10	
	<ul style="list-style-type: none"> Is the design of the project original? 	<ul style="list-style-type: none"> Did the team demonstrate engineering knowledge in solving design problems? 		
2	Technical Content & Final System: The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> Does the design meet the project requirements & specification? 	<ul style="list-style-type: none"> Is the hardware and/or software fully implemented and/or simulated? 	/40	
	<ul style="list-style-type: none"> Is the implementation modular? 	<ul style="list-style-type: none"> Is the quality of the final system high/low (<i>i.e.</i> elegant/ robust imp. consistent with industrial standards)? 		
	<ul style="list-style-type: none"> Is the design safe and sound? 	<ul style="list-style-type: none"> Do the students demonstrate mastery of the domain? 		
3	Project Results: The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> Are the test cases clearly identified and test results clearly demonstrated? 	<ul style="list-style-type: none"> Has the team compared the system performance with that of other systems? 	/20	
	<ul style="list-style-type: none"> Are the results comprehensive, convincing and achieve the project objectives? 	<ul style="list-style-type: none"> Are all faults/limitations clearly identified? 		
4	Non-technical Design Aspects: The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> Did the team consider the ethical, social, and environmental impact of the project? 	<ul style="list-style-type: none"> Did the team pay attention to human system interaction and product aesthetic related issues? 	/10	
5	Oral Presentation: The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> Did the team cover all the relevant issues? 	<ul style="list-style-type: none"> Did the team make the subject matter interesting? 	/10	
	<ul style="list-style-type: none"> Was the presentation clear and concise? 	<ul style="list-style-type: none"> Did the team answer questions well? 		
	<ul style="list-style-type: none"> Did the team show confidence in the subject matter? 	<ul style="list-style-type: none"> Did all team members participate in the various aspects of oral presentation? 		
6	Project Poster: The mark is based on how well the following questions are answered:			
	<ul style="list-style-type: none"> Does the poster size conform to the competition specifications? 	<ul style="list-style-type: none"> Is the poster informative and logically organized? 	/10	
	<ul style="list-style-type: none"> Does the poster cover all key aspects of the project? 	<ul style="list-style-type: none"> Are the poster text, figures & tables clear and readable from a reasonable distance? 		
	Total*		/100	

* 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.