



18th IEEE UAE Student Day Competitions
Academic Year 2023 – 2024
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

IEEE

UAE section



- ❖ Quality of technical content
- ❖ Project Results
- ❖ Attention to non-technical aspects of the design
- ❖ Professionalism in poster and oral presentation

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?Is the design of the project original?	<ul style="list-style-type: none">Is the project useful?Did the team demonstrate engineering knowledge in solving design problems?	/10
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?Is the implementation modular?Is the design safe and sound?	<ul style="list-style-type: none">Is the hardware and/or software fully implemented and/or simulated?Is the quality of the final system high/low (i.e. elegant/ robust imp. consistent with industrial standards)?Do the students demonstrate mastery of the domain?	/40
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?Are the results comprehensive, convincing and achieve the project objectives?	<ul style="list-style-type: none">Has the team compared the system performance with that of other systems?Are all faults/limitations clearly identified?	/20
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?Was the presentation clear and concise?Did the team show confidence in the subject matter?	<ul style="list-style-type: none">Did the team make the subject matter interesting?Did the team answer questions well?Did all team members participate in the various aspects of oral presentation?	/10
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?Does the poster cover all key aspects of the project?	<ul style="list-style-type: none">Is the poster informative and logically organized?Are the poster text, figures & tables clear and readable from a reasonable distance?	/10
	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.