19th IEEE UAE STUDENT DAY, 2025

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

A 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:		/10	
	˅ 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?		
2	**Technical Content & Final System:** The mark is based on how well the following questions are answered:		/40	
	˅ 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.e.* elegant/ robust imp. consistent with industrial standards)?		
	˅ Is the design safe and sound?	˅ Do the students demonstrate mastery of the domain?		
3	**Project Results:** The mark is based on how well the following questions are answered:		/20	
	˅ 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?		
4	**Non-technical Design Aspects:** The mark is based on how well the following questions are answered:		/10	
	˅ 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?		
5	**Oral Presentation:** The mark is based on how well the following questions are answered:		/10	
	˅ 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?		
6	**Project Poster:** The mark is based on how well the following questions are answered:		/10	
	˅ 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?		
	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.