

# 16<sup>th</sup> IEEE UAE Student Day 2022

HCT- Sharjah Campuses  
November 26, 2022



## STUDENT DAY COMPETITION CATEGORIES

### 1 Engineering Design Project (EDP)

This competition is intended to give students an opportunity to explore the art, science and infinite possibilities of system design. The objective of the EDP is to build a cost-effective and efficient wind-powered waterwheel that lifts water between two levels. 1st and 2nd-year Engineering students are particularly encouraged to participate.

### 2 Senior Design Project (SDP)

This competition is intended to give senior-year undergraduate Engineering students the opportunity to demonstrate their graduation projects by way of a poster and/or an actual demonstration of the project. There will be three categories for students to enter:

- ▶ **Category No. 1: Communications and Electronics**
- ▶ **Category No. 2: Computing and Robotics**
- ▶ **Category No. 3: Power and Renewable Energy**

### 3 Community Service

The scope of community service is broad enough to allow student teams to serve, either a particular section of the community or the community at large in a variety of ways. For this competition, the service rendered must be significant and its contribution must be appreciated by, and be of benefit to, the community receiving the service. The service must be offered during the present academic year.

Each team must submit a well-documented report (maximum 6 pages, including photos) that clearly describes the nature of the offered service, its significance, its planning, organization, and delivery and, most importantly, its contribution and impact on the community receiving the service (beneficiary). Each team shall also prepare a poster and submit a letter from the beneficiary.

### 4 DESC – Cyber Security Challenge 1 (Defacement of Websites)

**This category is sponsored by Dubai Electron Security Center – Dubai Government**

Website Defacement is an attack conducted on web servers in order to replace/deface content within a website and convey messages from the defacer/attacker. Consequently, there is a vital need to have a solution that will monitor defacing activities and assist the organization, or entity, by improving the reaction time.