



الاجتماع السنوي الرابع والعشرون
للجنة عمداء كليات الهندسة والعمارة والتخطيط والحاسب الآلي
بمجلس التعاون الخليجي
مسابقة مشاريع الطلاب

GCC 24th Annual Meeting of
Deans' Committee
Student Design Competition

كلية الهندسة والعمارة الإسلامية
College of Engineering & Islamic Architecture

شعبان 1441 - April - 2020



The Event	<p>The event will take place with the familiar agenda of regular deans' meeting sessions beside the parallel activity of student's design competition that emerged from the previous recommendations of the deans' committee annual meetings. The competition is classified as three fields of participation which includes:</p> <ul style="list-style-type: none">• Engineering Student Design Competition – Sixth Round.• Architecture and Urban Planning Student Design Competition – Third Round• Computer Science & Computer Engineering Student Design Competition – Third Round <p>The three Competitions aim at providing an opportunity for the GCC engineering students to engage in and encounter the real-world design problems, and excel in generating and producing innovative solutions.</p>
The Competition	<p>The competition objective is to demonstrate GCC students' excellent abilities to apply variety of knowledge and skills acquired from programs courses throughout their under-graduate study. Participation should reflect quality of academic standard in different educational disciplines through highly conducive educational environment.</p> <p>Projects involved should tackle a real-world problem under multiple realistic constraints with alternative creative solutions that are based on recognized analytical approaches, solid research methodologies, fundamental engineering design process, multi-disciplinary teamwork, project management and professional presentation skills. The design projects completed in Spring and Fall semesters of 2019 will enter into the competition.</p>



Rules & Guidelines

Eligibility

- ❑ Institutions: Only public higher education institutions in the GCC are eligible for participation.
- ❑ Disciplines: Graduation projects in the following, or closely related disciplines, are invited to participate:
 - All Engineering Disciplines, Architectural & Urban Planning, Computer Science & Engineering.
 - Type of Projects: graduating year senior design projects.
- ❑ Number of projects per institution: Project participation is limited to:
 - (5) Projects for all Engineering disciplines,
 - (2) project for Architectural & Urban Planning,
 - (2) project for Computer Science and Engineering.

Submission Formats

All reports should be submitted as a single file, in (.pdf) format. To submit additional information (e.g. photos, movies, etc.), attach all files as a single (.zip or .rar) file. Note, all submissions must be uploaded electronically through the following website. <https://uqu.edu.sa/coleng/Comp>

Language

All reports must be written solely in English.

Anonymity

All direct or indirect mention of any affiliations or names of individuals participating in the project will be removed before refereeing.

How to Register

All participation should be performed directly by the respective college Dean (or representative) in order to be eligible for an active account in the competition. Any public institution within the six GCC countries is eligible. The college representative is kindly requested to register online.

A maximum of (9) projects are acceptable per participating institution.



Evaluation Criteria

A- Engineering and Computing Student Projects

There are 10 evaluation criteria with a maximum of 10 points for each. That will make it to total score of 100 points:

1. The project covers design and implementation, including either prototypes or simulations.
2. The project includes a problem statement, evaluation of design alternatives, and a final solution.
3. The project methodology and analysis includes both theoretical and implementation parts.
4. The project leads to a final product that is compatible with the design.
5. The project idea is innovative and demonstrates creativity.
6. Meet economic, environmental, social, and sustainability requirements.
7. The project should demonstrate team skills and application of knowledge gained from previous courses.
8. The project includes and meets realistic design constraints.
9. The design conform to the applicable standards.
10. The quality of the final report, in terms of its content, organization, and presentation.

B- Architecture and Planning Students Projects

There are 10 evaluation criteria with a maximum of 10 points for each which will make to total score out of a 100 points:

1. The Project is following clear methodology in site analysis and design development.
2. Serving local community needs.
3. Promoting Islamic and traditional values.
4. The project considers local environmental issues to have sustainable design.
5. The project respects local architectural style and/or local urban patterns.
6. The project reflects and meets realistic design constraints
7. The design conform to the national and international standards.
8. Utilizing and reflecting smart buildings technologies.
9. The project Design is innovative and demonstrates creativity.
10. Presentation quality and graphic professionalism.



Important Dates	Final Submission Date: March 28th, 2020
Contact	The Organizing Committee E-mail: gccsc2020@gmail.com Mobile: 00966-500201110 Tel.: 00966-12-5270000- ext. (1177) Fax: 00966-12-5270027
Organizing Committee	<ul style="list-style-type: none">- Dr. Ahmad Bin Naif Mohammed AlAhmadi- Dr. Shadi Mohammad Ahmad Munshi- Dr. Hamzah Abdulrhman Mohammed Alharthi- Dr. Turki Sulaiman Abdullah Alamro- Dr. Kamel Mohmed Alaiech Guedri- Eng. Omar Saeed Mohammed Yamaniy