**Umm Al-Qura University**
**College of Engineering &**
**Islamic Architecture**

# GCC 24th
# Annual Meeting of
# Deans' Committee April –2017
# Student Design Competition

## Welcome

The College of Engineering and Islamic Architecture is honored to host the 24th Meeting of the Deans' Committee for the Colleges of Engineering, Architecture, Planning and Computing in the Arab-Gulf Cooperation Council Countries (GCC). Exceptional place to hold the gathering of this year where the holy mosque stands great and lofty above the land of Makkah and. where the Qibla of all Muslims is avidly located.
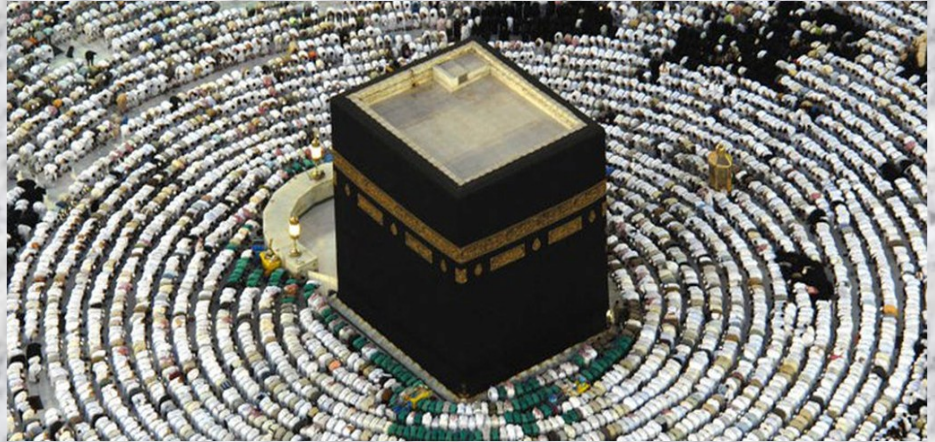
From Makkah Al-Mukarammah, we are warmly welcoming you and looking for an another successful round of these important meetings that bring us together for the seek-of better future of professional education in engineering, architecture, planning and computing fields.

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## The Event

The event will take place with usual agenda of regular deans' meeting sessions beside the parallel activity of students design competition that emerged from the previous recommendations of the deans' committee annual meetings . The competition is classified to three fields of participation which includes:

- **Engineering Student Design Competition – Sixth Round.**
- **Architecture and Urban Planning Student Design Competition – Third Round**
- **Computer Science & Computer Engineering Student Design Competition – Third Round**

These three Competition  aim at providing an opportunity for the GCC engineering students to engage and excel in confronting real world design problems.

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They build a plate-form of common interest for sharing, recognizing best practices among different educational insinuations. The competitions give a prospect to student's work to be appreciated and recognized to the higher level in such a way that motivate creativity and enhance competency for best quality of professional higher education products.

Umm Al-Qura University invites and encourages participation from all the GCC governmental higher education insinuations offering Engineering, Architecture, Urban Planning, Computer science and Computer engineering programs.

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## The Competition

The competition aims to demonstrate excellent abilities for the GCC students in applying the various skills acquired from programs courses throughout their undergraduate study period. Participation should reflect quality standard in different educational disciplines through highly motivated educational environment.

Projects involved should tackle a real world problem with multiple creative solutions that based on distinguish systematical analytical approaches, solid research methodologies, original design skills, multi-disciplinary teamwork, project management and professional presentation output. The competition is targeting design projects completed in Spring and Fall semesters of 2016.

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## Rules and 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.

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- **Number of projects per institution:
  Project participation is limited to :**

  - **(3)  Projects for all Engineering disciplines,**
  - **(1)  project for Architectural & Urban
    Planning,**
  - **(1)  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 performed through the mentioned e-mail address for the organizing committee .

**Language:**
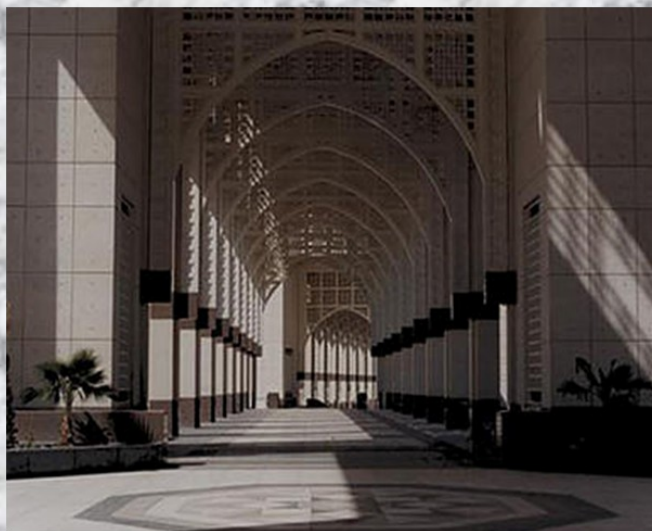All reports must be written solely in English.

**Anonymity:**
There must be no direct or indirect mention of any affiliations or names of individuals participating in the project in the body of the report. Otherwise, the project will be automatically disqualified from the competition.

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## 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 send an email to this email address (**gccsc2016@uqu.edu.sa**) and stating the following information:-

- Name
- Position
- Institution and College
- Contact information, including e-mail(s), full address, and contact numbers.

A maximum of ( 5 )projects are acceptable per participating institution .

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# Evaluation Criteria

1. <u>**Engineering and Computing Student Projects:**</u>
   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 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. Satisfy economic, environmental, and social sustainability.
   7. The project should demonstrate the skills of the team by applying 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.

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**2. 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.

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## Important Dates:

- **Final Submission Date**     **March 15th 2017**
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## Deans' Meeting Program

Coming Soon.

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## Contact

**The Organizing Committee**

      E-mail     : gccsc2016@uqu.edu.sa

      Mob.       : 00966-500201110
      Tel.        : 00966-12-5270000-
                  : ext. ( 1177 )
      Fax        : 00966-12-5270027

# GCC 24th Annual Meeting of Deans' Committee April –2017 Student Design Competition

**Umm Al-Qura University College of Engineering & Islamic Architecture**



## Organizing Committee

1. Dr. Hamza Ghulman              ( Dean)
2. Dr. Abdulghani Monawar      ( Vice Dean)
3. Dr. Ali Atwa                        ( Vice Dean)
4. Dr. Shadi Munshi                ( Vice Dean)
5. Dr. Ibrahim Bukhari     (Chairman—Arch.)
6. Dr. Ahmed Al-Ahmadi  (Chairman—Elec.)
7. Prof. Faiz Mirza          (Chairman—Civil)
8. Dr. Moafaq Araija        (Chairman—Mech.)
9. Mr. Ahmed Ba-Haitham