


AISAT and GRACE Ernakulam Centre

present



ProComp

2018-19

Information Brochure



**Albertian Institute of Science and Technology
Technical Campus, Archbishop Angel Mary Nagar, Cochin
University P.O., Kalamassery, Kochi - 682 022**

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Head of Department, Civil Engineering

Prof. Veena V

Introduction

The main objective of this project competition - ProComp, which will be conducted annually for final year engineering students of APJ Abdul Kalam Technological University (KTU) is to promote, innovative ventures undertaken by students in the field of civil engineering. It aims to provide them with a platform to showcase their final year project work done as a part of the curriculum, to a larger part of the society including industry professionals. This event will also help them to interact with other innovative minds and get access to latest developments in Civil Engineering.

Albertian Institute of Science & Technology



AISAT Technical Campus , Kalamassery, Kochi is an undertaking of Archdiocese of Verapoly , which has a track record of centuries serving in the field of education.

AISAT imparts quality education to aspiring engineering students, by providing a friendly growth oriented professional ambience.

Graduates' Association of Consultant Engineers

GRACE is an association of civil and architectural engineering professionals in private sector in Kerala, registered under Societies Act in the year 1997. GRACE encompasses consultants, self-employed and employed professionals in non-governmental sector. It aspires to strengthen the engineering profession, by providing platform for professional updation and by interacting with various organisations engaged in engineering practice.

Background

On 8th February 2013, AISAT and GRACE entered into a MoU with an objective to work together towards the upliftment of civil engineering education and practice. The objective of *ProComp*, is to recognise engineering projects of extraordinary merit, physical achievement, innovation or ingenuity, which ultimately lead the excellence of the civil engineering profession. This event provides a platform to students to sharpen their analytical acumen, arrive at reliable conclusions and improve their presentation skills. It is hoped that these will help to boost their confidence and to scale greater heights in their career as an engineer.

Guidelines for the Competition

Final year civil engineering students can register for *ProComp* as teams that can have a maximum of four members. The team members must be working on the same project and meticulously follow the guidelines given below:

- The project can be in any area of civil engineering and its applications. Student project contest fields include (but not limited to):
 - ⇒ Geotechnical Engineering
 - ⇒ Structural Engineering
 - ⇒ Transportation Engineering
 - ⇒ Environmental Engineering
 - ⇒ Construction Management
 - ⇒ Water Resources Engineering
 - ⇒ Bridge Engineering
 - ⇒ Construction Materials Technology
 - ⇒ Alternative Technologies in Construction
 - ⇒ Mining Engineering
 - ⇒ Ecological Engineering

- Each team must nominate one of the members as the leader for single point of contact, to whom all communications shall be sent.

- The engineering project must be part of the curriculum i.e. one which is submitted to the university for the B. Tech degree.

Rules and Guidelines for Submission

- Teams interested in participation should take approval in writing from their college in the prescribed format.
- The entries must be accompanied by complete details filled in the Registration form.
- The details of work shall be reported and submitted in English.
- Late submissions will not be accepted.
- Program organizing committee of *ProComp* does not require transfer of any 'Intellectual property right'. However, it assumes that any submitted projects can be publicly shared and any right protection, if required, is done by the participants or their respective organizations prior to the submission. Please take all necessary permissions / legal sign offs accordingly.
- The committee reserves the rights to reject an entry without assigning any reason whatsoever.

Deliverables

Deliverables for the competition will be sought in two stages.

1. Registration and Submission of Abstract

A 300 word abstract of the project to be submitted at the time of entry along with registration form.

This abstract shall include:

- Definition of the problem
- Outline of the design process
- Description of the proposed solution
- Potential benefits of the solution

2. Final Report

The final report should be an extract of the project work and should include:

- Summary of the project
- Technical details of the project
- Salient features of the project

Selection Process

Each project will be judged by an expert panel of five members. There will be three stages of review. Each member of the panel will evaluate the projects at the various stages and a final score will be arrived at, by combining the individual scores of the panelists.

Stage 1 (weightage 30%)

The abstract received from each team will be reviewed by the panel. The criteria for entry into the competition shall be:

- Compliance to the guidelines
- Innovative concepts / implementation
- Practical applications
- Description of the design process

Stage 2 (weightage 45%)

All the final reports received as per schedule of dates will be reviewed by the members of the panel. Based on the quality of work presented in the report, projects will be selected for a final presentation and evaluation, based on the following parameters, as applicable:

- Relevance of project to contemporary engineering problems
- Design and implementation
- Performance of the design
- Novelty of application

- Testing strategy and results obtained
- Quality of report as judged by flow, completeness, objective vs. achievements etc.
- The technical competence in presentation of report

Every team that is selected will be given guidelines and instructions on what they need to present at the final evaluation.

Stage 3 (weightage 25%)

The final evaluation and ranking of the selected civil engineering projects will be done in an annual event jointly organized by GRACE & AISAT based on :

- Clarity and organization of the presentation
- Quality of response to questions by the panel/audience

M. Visvesvaraya Prize & Procomp Awards

The best project will receive the Mokshagundam Visvesvaraya ever rolling trophy, certificates and a cash award of Rs. 15,000/-. The second place winners will receive a cash award of Rs. 10,000/- along with certificates. Project guides of both the winning teams will receive citation. Certificate of merit will be given, to other two finalists and those projects, if any, specifically recommended by the expert panel at stage 2.

Important Dates

Registration and Submission of Abstract : 25th June 2019

Selection Notification : 30th June 2019

Full Paper Submission : 5th July 2019

DEPARTMENT OF CIVIL ENGINEERING

Professors

Prof.Dr.Babu T Jose

Dr.Jimmy Thomas

Dr.Anil Joseph

Dr.Bindumol T V



Associate Professors

Ms.Veena V

Ms Liji Anna Mathew

Assistant Professors

Ms.Saranya Ullas

Ms.Sheeja M K

Ms.Aswathy M Mohan

Ms.Rinku John

Ms.Saranya Das K

Mr.Neeraj U K

Ms.Aleena Tom

Ms.Meera Jacob

Ms.Shilja Suresh Kumar

ProComp





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ProComp 2018 - 19,
GRACE - AISAT Competition for B.Tech Projects,
Department of Civil Engineering,
Albertian Institute of Science & Technology,
Kalamassery, Kochi 682022.
KERALA.
Tel / Fax: 0484 2540360

For clarifications contact:
Veena V, Assoc. Professor, CED, AISAT +91 9495789540
E-mail : procompaisat@gmail.com