



AISAT Albertian School of Engineering  
&  
ASA-Kerala present

# GIJUTSU 2016

ALL KERALA PROJECT COMPETITION FOR ENGINEERING STUDENTS



# AISAT – NKC AWARD Information Brochure

# Introduction

Continuing the tradition of AISAT - ASA Kerala MOU, **GIJUTSU – 16** will be conducted this year. The main objective of the project competition **GIJUTSU**, which will be conducted annually for engineering students, is to promote innovative ventures undertaken by students in the field of engineering. It aims to provide them with a platform to showcase their project work done as a part of the curriculum, to a larger part of the society including industry professionals. This event will also enable them to interact with other innovative minds and get access to latest developments in engineering. It is hoped that these will help to boost their confidence to scale greater heights in their career as an engineer.

# Albertian Institute of Science and 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. Spanning over four centuries, education was always the focal point of the rich legacy of service to society by the Archdiocese.



# Alumni Society of AOTS Kerala (ASA Kerala) Nippon Kerala Centre (NKC) , Kalamassery



It is part of a worldwide network of voluntary service organizations whose members are professionals with specialized knowledge and skills in various technical and management fields which have been acquired by means of specialized training in Japan through AOTS (Association for Overseas Technical Scholarship)

# Competition Guidelines

Engineering students can register for GIJUTSU - 16 as teams, that can have a maximum of five 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 : Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering
- ❑ Each team must nominate one of the members as leader for single point of contact, to whom all communication can be sent.
- ❑ The engineering project must be the part of the curriculum (**main or mini project acceptable**) i.e. one which is submitted to the University for the B.Tech. degree. The project visualization should have taken place within 12 months prior to the submission dead line.

- ❑ 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 GIJUTSU - 16 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 participants or their respective organizations prior to the submission. Please take all necessary permissions/ legal sign offs accordingly.
- ❑ The committee reserves the right to reject an entry without assigning any reason whatsoever.

# Registration Details

Fill up the Registration Form provided with this Brochure and mail it to AISAT along with a 300 word abstract before 7<sup>th</sup> March 2016. The mail should be addressed to:

**The Coordinator**

**GIJUTSU-16**

**Albertian Institute of Science and Technology**

**AISAT – Technical Campus, School of Engineering**

**Archbishop Angel Mary Nagar**

**Cochin University P.O., Kalamassery- 682022, Kerala.**

**OR**

Mail the scanned copy of duly filled registration form along with the abstract to **[gijutsu@aisat.ac.in](mailto:gijutsu@aisat.ac.in)**

# Deliverables

Deliverables for the competition will be sought in three stages.

## *1. Abstract*

A 300 word abstract of the project **must** 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. Interim Report*

Interim report on the progress of the project must be submitted on or before 11<sup>th</sup> April 2016. This shall include:

- ❑ Progress made in the proceeding period (give technical details accompanied by illustrations, drawing etc.)
- ❑ Summary of work done
- ❑ Planning for the remaining period

## *3. Final Report*

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

- ❑ Summary of the project
- ❑ Technical details of the project
- ❑ Achievements vis-a-vis objectives originally planned
- ❑ Salient features of the project

# Selection Process

Each project will be judged by an expert panel.

There will be four stages of review. Each member of the panel will evaluate the projects at various stages and a final score will be arrived at, by combining the individual scores of the panelists.

## *Stage 1 (weightage 10%)*

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 20%)*

The interim report submitted on the due date will be reviewed by the panel members and mark will be awarded based on progress of project and findings realized. There is no qualification /approval that happens at this stage.

### *Stage 3 (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, top 6 projects will be selected for 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
- ❑ Strategy and results obtained
- ❑ Quality of report as judged by flow, completeness, objective vs. achievements etc.
- ❑ The technical competence in presentation of report

### *Stage 4 (weightage 25%)*

The final evaluation and ranking of the selected Engineering projects will be done in an annual event jointly organized by ASA Kerala and AISAT based on:

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

# AISAT – NKC Award

The best project will receive the AISAT – NKC Award and certificate along with a cash award of **Rs. 25,000/-**. In addition, the college of the winning team will be awarded a plaque.

The second & third place winners will receive cash awards of **Rs. 15,000/-** and **Rs. 10,000/-** respectively along with the certificates.

Certificate of merit will be given to other finalists and those teams, if any, specifically recommended by the expert panel of stage 3.

# Important Dates

- ❑ Abstract submission and registration : **7<sup>th</sup> March 2016**
- ❑ Selection notification : **14<sup>th</sup> March 2016**
- ❑ Interim report submission : **11<sup>th</sup> April 2016**
- ❑ Full paper submission : **30<sup>th</sup> May 2016**
- ❑ Final presentation : **July 2016**  
**(Date will be intimated later)**



# Glimpses of GIJUTSU – 15



**For Clarifications Contact**

**Mr. Majo Davis, Assistant Professor, ME Dept, AISAT +91 9946056187**

**Mr. Kiran Robert, Assistant Professor, ME Dept, AISAT +91 8281179498**

**E-mail: [gijutsu@aisat.ac.in](mailto:gijutsu@aisat.ac.in)**



**ASA KERALA  
(NIPPON KERALA CENTRE)**

Chairman  
**Edgar Morris**

President  
**T J Subhash**

Vice President  
**Jacob N Kovoov**

Secretary  
**Suraj Moothedath**

Director  
**Hudson Peter**

General Manager  
**Capt. Paul Abraham**



**AISAT  
ALBERTIAN SCHOOL OF ENGINEERING**

Patron  
**The Most Rev. Dr. Francis Kallararakal  
Metropolitan Archbishop of Verapoly**

Manager  
**Rev. Fr. (Dr.) Clement Valluvassery**

Associate Manager  
**Rev. Fr. Alex Kurisuparambil**

Assistant Manager  
**Fr. John Christopher**

Director  
**Prof. Dr. Babu T. Jose**

Principal  
**Prof. Dr. K. E. George**