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ISEEC

INDUSTRIAL AND SYSTEMS ENGINEERING COMPETITION

2013

Departement of Industrial Engineering
Universitas Indonesia | Depok 16424 | Indonesia

ISEEC: AT A GLANCE

Industrial and Systems Engineering Competition, also called ISEEC, is an annual industrial and systems engineering competition held by Ikatan Mahasiswa Teknik Industri Universitas Indonesia (Industrial Engineering Student Association of Universitas Indonesia) for industrial and systems engineering students. The competition was first organized in 2001 and has grown from a national-scale tournament attracting participants from over 200 local universities, to currently, an international event for all industrial and systems engineering students worldwide.

THEME

REVITALIZING THE AVIATION INDUSTRY: Delivering Solutions for Airport Issues Through Strategic Management

Air transportation has become one of the most important modes of transport in Indonesia. The increasing passenger demand for both domestic and international flights has driven this importance and it has required airport to be more competitive in managing its infrastructure and operational deliveries. Considering how important the aviation industry right now, ISEEC is bringing “Strategic Management in Aviation Industry” for this year’s theme.

Preliminary Round

Form of competition: Online Selection Number of Participant: unlimited from each university (each team must consist of 4 members)

Preliminary Stage is an online test selection which will test participants' understanding about Industrial and Systems Engineering. The top 20 teams with the highest scores will be invited to join the next stages of ISEEC 2018 at Universitas Indonesia, Depok.

Online
Test

COMPETITION

COMPETITION

1st
Stage

First Elimination Round

Form of competition: Industrial and Systems Engineering Quotient Test

Number of Participant: Top 20 teams

The goal of this stage is to test the basic knowledge and concept of the participants, referring to scientific matters of Industrial and Systems Engineering in general. Participants will be given questions regarded to the subject in the syllabus.

Second Elimination Round

Form of Competition: Simulation Gaming

Number of Participant: Top 20 teams

In this stage, all the groups will play a serious board game simulation. All participants shall apply the best strategy to obtain an optimum result. There will only be five groups passing this stage with the highest accumulation points from 1st stage and 2nd stage.

2nd
Stage

COMPETITION

COMPETITION

3rd
Stage

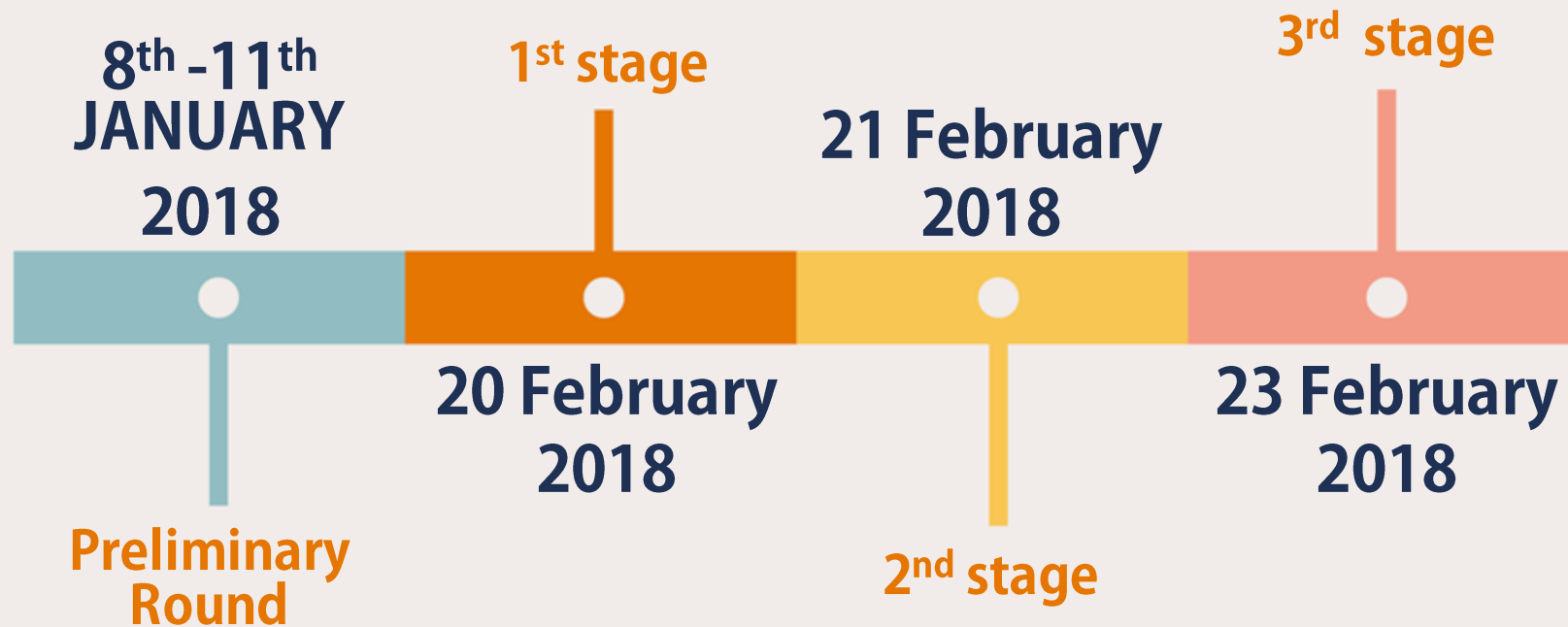
Final Round

Form of Competition: Real Case Study

Number of Participant: Top 5 teams

The final stage will showcase the top five groups challenged as industrial and systems engineers to solve a real case obtained from the company excursion the day before. The solutions that are offered will be presented to a panel of judges, which will have academicians and practitioners. From this stage, the winner of ISEEC 2018 will be decided.

TIMELINE





info@iseec-ui.com
www.iseec-ui.com



[@ezi6260g](#)



Shauty Arovah
+6281808838333

Rana Irawati Kusuma
+6285643179445

Annisa Zahra
+6287880561038

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INFORMATION

