

The Institution of Engineers, Singapore (IES) will once again host the **National Engineers Day (NED) 2019** in **Devan**

**Nair Institute for Employment and Employability (E2i), Singapore**

from

**18 – 20 July 2019**

The **Engineering Innovation Challenge (EIC)** is open to all universities around the world. This provides an excellent opportunity for university students to share knowledge, experience and expand their network, to promote engineering and a passion in this discipline. Your participation in the competition will also serve to interest and excite youths to embark in the fascinating and multi-faceted world of engineering.

**The Challenge: Design and build the prototype of a portable and sensitive ionizing radiation detector capable of detecting background radiation.**

**Teams are to note that the competition is based on the detection of background radiation, therefore the use and handling of radiation sources for the prototype design, building and testing should be reasonably low and accessible in everyday life.**

The EIC Competition will showcase selected projects for final judging and subsequently for presentation of awards on 20 July 2019 at the National Engineers Day 2019.

## Prizes

1<sup>st</sup> Team

SGD 8,000 cash + Trophy + Prototype Fund (SGD 500)

2<sup>nd</sup> Team

SGD 5,000 cash + Trophy + Prototype Fund (SGD 500)

3<sup>rd</sup> Team

SGD 3,000 cash + Trophy + Prototype Fund (SGD 500)

4<sup>th</sup> – 10<sup>th</sup>

SGD 1,000 cash + Prototype Fund (SGD 500)

Shortlisted Teams

Prototype Fund (SGD 500)

Popularity Award

SGD 300 cash

More information on the Challenge is available in the following links:

EIC2019 Poster: <https://bit.ly/2En4dJz>

EIC Cat 4 Rules & Regulation: <https://bit.ly/2E5lky2>

EIC Cat 4 Registration Form: <https://bit.ly/2GS6myw>

At the same time, you may refer to the following link for the last year NED / EIC booklet for your reference on it. <https://bit.ly/2SVNcdl>

If there is a problem in the link, please contact Spencer Soh at [spencer.soh@iesnet.org.sg](mailto:spencer.soh@iesnet.org.sg)

IES invites you to be a part of this exciting journey with your active participation.

Schools are invited to submit initial project proposal by **23 April 2019**. The proposal must include the following:

- Background
  
- Project Description

□ Prototype proposal

□ Cost-benefits analysis