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**Annex A**

**IES Prestigious Engineering Achievement Awards**

The IES Prestigious Engineering Achievement Awards recognises outstanding achievements of engineers in Singapore. The awards are given to an organisation or persons responsible for an outstanding engineering project.

The awards comprise four categories:

- Applied Research and Development: research and development projects before commercialisation
- Engineering Project: engineering projects which have been successfully implemented
- Technology Innovation: technology or product invention which has been successfully commercialised.
- Student Awards - "*IES Young Creators" Award*: innovative ideas on applications of science

**Awards Criteria**

The following criteria will be given special consideration:

- Applied Research and Development
    i. Advancement of knowledge with practical applications of science and has potential beneficial impact to society
    ii. Contribution to the general public, society and nation-building with considerations of commercial and social impact
    iii. Technological innovation with originality and creativity
    iv. Only one nomination or application per category for nominators and applicants
    v. The research work shall have been completed substantially

- Engineering Project
    i. Innovative engineering practices and environmental sustainability
    ii. Contribution to the general public, society and nation with considerations of the commercial and social impact delivered
    iii. Only one nomination or application per category for nominators and applicants
    iv. The engineering project must be current and must be completed within the last 3 years

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     v. Project must represent a genuinely new approach or a significantly improved solution over an existing practice

- Technology Innovation
    i. Technological breakthrough, innovation and invention (originality and creativity)
    ii. Contribution to the general public, society and nation with considerations of the commercial and social impact delivered
    iii. Only one nomination or application per category for nominators and applicants
    iv. The technology must have made noteworthy contributions surpassing previous or current solutions
    v. The technology must have the potential to serve as an inspiration or model for others

- Student Awards - "IES Young Creators' Award"
    i. Open to tertiary level including polytechnics and universities
    ii. Project must be innovative and creative
    iii. Project must have achieved high performance in efficiency
    iv. Project must have high usability, inventiveness and have considered user experience

**Submission details**
- Covering page with Name of Project and the FULL names of the team members (including full contact details of team leader)
- The executive summary of the project, including significant engineering accomplishment, the impact of engineering contributions and fulfilment of the criteria listed in the different categories (described in 2 pages of A4 size paper)
- Details including photographs and relevant drawings of the project placed as addendum

**Selection Process**
The nominating committee will shortlist three projects/persons from each category submitted for presentations.

- All projects submitted will be screened and evaluated by the Chairman of the Technical Clusters, who will then decide which technical committee chairman will evaluate and shortlist the projects. The committee chairmen

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will then meet to shortlist the project teams for presentation based on the selection criteria.

- The shortlisted projects/persons will make a presentation to the IES Engineering Awards Committee for final selection and recommendation to Council for approval.

**Evaluation Criteria**

- Engineering practice and environmental aspect / practicality (30%)
- Contribution and impact to general public, society and country: Commercial Impact (15%)
- Social impact (15%)
- Technological innovation (originality or creativity) (30%)
- Overall assessment (10%)
Total Score (100%)

The project(s) with the highest ranking will be awarded the ASEAN Outstanding Engineering Achievement Award which will be presented during the Annual Conference of ASEAN Federation of Engineering Organisations (CAFEO).

**Awards Presentation**

The IES Prestigious Engineering Achievement Awards 2023 will be presented at the IES 57th Annual Dinner on 9 November 2023 which is held in conjunction with the World Engineers Day Conference Dinner.

Each winning team will receive a plaque and team members certificates.

Each team is to prepare three slides to describe the project with photos and three-sentence description.

The winning teams submitted for the ASEAN Outstanding Engineering Achievement Award will need to take care of the AWARD fees set by the ASEAN Federation of Engineering Organisation (AFEO). Once the winners are notified, the IES' External Relations Department will liaise with them on travel arrangements to attend CAFEO to receive their awards.