

IES Prestigious Engineering Achievement Awards 2024

Invitation to submit

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
 - 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 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 submitted for the ASEAN Outstanding Engineering Achievement Award. The winning teams will be presented during the Annual Conference of ASEAN Federation of Engineering Organisations (CAFEO).

Awards Presentation

The IES Prestigious Engineering Achievement Awards 2024 will be presented at the IES 58th Annual Dinner in October 2024.

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 of 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.

Please submit your nomination entries via the links for the IES Prestigious Engineering Achievement Awards

<https://www.emailmeform.com/builder/form/55b7Bse7dauFYeeodhaSMY>

by Friday 7th June 2024.

For any queries, you may email to awards@iesnet.org.sg or DID 64611225

Chairman
IES Awards Committee

IES Sustainability Awards 2024

Invitation to submit

The IES Sustainability Awards recognise outstanding achievements of engineering projects and initiatives that promote sustainability and innovation. The awards are given to an organisation or persons responsible for an outstanding engineering project in sustainability.

The awards comprise three categories:

- Completed engineering projects with sustainability features and practices: demonstrate the use of sustainable features and practices, including green buildings, renewable energy installations, or sustainable infrastructure.
- Innovative solutions for sustainability: reduce environmental impact and carbon footprints via new technologies, products, or services that promote sustainability
- Promising start-ups for sustainability: potential and level of innovation in their products or services

Awards Criteria

The following criteria will be given special consideration:

- Completed Engineering Projects
 - (i) 5%: Quality of presentation, and health and safety considerations.
 - (ii) 10%: Description of the development and implementation of how specific sustainability technologies, policies or programmes of the project were applied, in particular, how the project's purpose and deliverables were instrumental in contributing to the sustainability movement should be highlighted.
 - (iii) 45%: Benefits of the referenced technologies, policies and programmes, especially in how project performance indicators have been deliberated and taken over and above the normal requirements. To depict how the nominated project has been proven to be a game changer should be included.
 - (iv) 40%: Significant environmental protection and/or enhancement achieved in reducing wastes or emissions, support of alternative energy, and potential application of the technology/approach beyond the project itself and/or beyond normal regulatory requirements. To include recognition of potential environmental impacts and application of appropriate mitigation measures and stakeholder engagement to demonstrate success of the project
- Innovative project/solution for sustainability
 - (i) 5%: Quality of presentation, and health and safety considerations.
 - (ii) 10%: Description of the development and implementation of how specific sustainability technologies, policies or programmes of the project were applied, in particular, how the project's purpose and

deliverables were instrumental in contributing to the sustainability movement should be highlighted.

- (iii) 45%: Innovativeness of technologies, policies and programmes, including comparisons with the state-of-the-art technologies or existing policies and programmes, and depict how the nominated project has been proven to be a game changer or shown great potential to do so should be included.
 - (iv) 40%: Significant environmental protection and/or enhancement achieved in reducing wastes or emissions, support of alternative energy, and potential application of the technology/approach beyond the project itself and/or beyond normal regulatory requirements. To include recognition of potential environmental impacts and application of appropriate mitigation measures to demonstrate success of the project.
- Promising start-up for sustainability
 - (i) 5%: Quality of presentation, and health and safety considerations.
 - (ii) 10% mission and vision of start-up company and its sustainability movement goals.
 - (iii) 45%: Description of the current level of readiness and scale of implementation of sustainability technologies and programmes of the nominated start-up company.
 - (iv) 40%: Impact of start-up company in sustainability to benefit society or long-term benefits in cases where the level of readiness and scale of the implementation is currently low.

Submission details

Completed submissions are not to exceed five pages and must consist of the following:

1. A written submission of not more than 2,000 words that clearly describes the contributions by the project, the involvement of engineers in the project and the qualifying reasons for the IES Sustainability Award, submitted via email.
2. Confirmation that all participant organisations, regulatory authorities, sponsors and other key individuals involved in the project are aware of the nomination submission and the project owner's written approval for the release of information.
3. The submission should include colour photographs or drawings as necessary. The written submission is to clearly indicate the organisation, lead professional or chartered engineer and environmentalist to whom the award is to be presented to. The owner/client of the project is to also be clearly identified in the submission.

4. Nominees may provide additional supporting information at their discretion, such as: copies of relevant report(s) prepared on the client's behalf; and, appropriate photographs, drawings, specifications and performance data.
5. Nominations may be from local or global organisations or persons.

Selection Process

All nominations will be shortlisted by the Awards Nominating Committee of The Institutions of Engineers, Singapore (IES) before being tabled for consideration by the IES' Engineering Awards Committee. The Engineering Awards Committee will make their recommendations to the IES Council, which will make the final selection of the recipients of the IES Sustainability Awards.

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

Awards Presentation

The IES Sustainability Awards 2024 will be presented at the IES 58th Annual Dinner in October 2024.

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

The winning teams of 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 the teams on travel arrangements to attend CAFEO to receive their awards.

Please submit your nomination entries via the links for the IES Sustainability Awards 2024:

<https://www.emailmeform.com/builder/form/ZsFLug38dBrC4m6teobM7aQ8d>

by Friday 7th June 2024

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Chairman
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