



IChE-MRC's OYCE

»»» Awards 2025 »»»

5th & 6th July 2025
P.C. Saxena Auditorium, IIT Bombay, Mumbai

Outstanding Young Chemical Engineer

AWARD 2025

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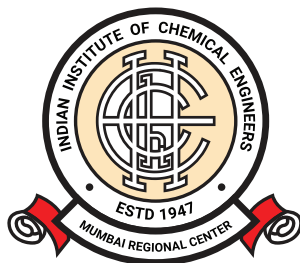


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Outstanding Young Chemical Engineer

AWARD 2025

CHAIRMAN'S MESSAGE

It gives me great pleasure to serve as the Chairman of the Outstanding Young Chemical Engineer (OYCE) Award 2025. Since more than past fifteen years, this platform has earned its place as one of India's respected recognitions for young talent in chemical engineering, spotlighting students who bring depth, originality, and purpose to their academic and research efforts.

At a time when the chemical engineering discipline is evolving rapidly to address energy transitions, sustainability challenges, and industrial transformation, OYCE holds renewed significance. It encourages students not only to showcase innovation but also to position their work in the context of real-world application and national importance.

This year's edition will uphold the highest standards of evaluation, facilitated by a carefully selected jury panel comprising distinguished leaders from both industry and academia.

A notable advancement in OYCE 2025 is the formal integration of e-OYCE, enabling participation from students residing outside Maharashtra through a robust virtual presentation format. This ensures equity in opportunity while maintaining the competitive integrity of the award.

I commend the IIChE–MRC team for curating this initiative with professionalism and foresight, and I sincerely thank all stakeholders—including participating institutions, faculty mentors, industry experts, and the student community—for contributing to its success.

I look forward to interacting with the next generation of chemical engineers and witnessing the calibre of work that reflects the promise of a new academic generation

PROF SUNIL S BHAGWAT

Director

Indian Institute of Science Education & Research (IISER) – Pune

Chairman

IIChE– MRC's Outstanding Young Chemical Engineer Award

A Call to the Next Generation of Innovators

Chemical engineering, as a discipline, sits at the confluence of industry, innovation, and intellectual rigor. In an era marked by decarbonization, digitization, and deep tech, the Indian Institute of Chemical Engineers – Mumbai Regional Centre (IIChE-MRC) is proud to introduce the **Outstanding Young Chemical Engineer Award 2025**, an initiative that aims to identify and celebrate the brightest student minds across the country.

This award is not just a contest—it is a platform to showcase meaningful academic work, a mechanism to connect with industry and thought leaders, and an endorsement of technical excellence grounded in relevance and purpose.



The OYCE Awards 2025 will also be conducted in a parallel OYCE Online format. This option is exclusively available to students currently residing outside Maharashtra, enabling them to present their research and project work virtually to the Jury Panel. Submissions, evaluations, and final presentations for OYCE Online will follow the same rigorous criteria and schedule as the in-person format.

Timeline at a Glance

27th May 2025	Registrations Open
15th June 2025	Project Report Deadline
15th - 25th June 2025	Online Jury Interactions
5th July 2025	In-Person Presentation
6th July 2025	Awards Declaration & Felicitation

Registration Fee

A Refundable Commitment deposit ₹1000/- per team which will be refunded once the in-person presentations are completed.

Who Can Apply?

The award is divided into two distinct but equally prestigious groups:

Category I

Undergraduate Excellence

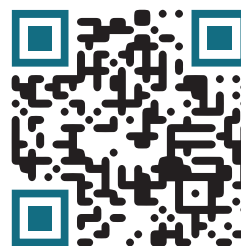
- Open to **Third Year and Final Year B.E./ B.Tech students** in Chemical Engineering
- Candidates must be enrolled in an AICTE/ UGC-approved Indian institution
- Work submitted must be **academic in origin**, carried out **within the last 2 years**

Category II

Postgraduate Innovation

- Open to students currently pursuing **M.E./ M.Tech** in Chemical Engineering
- Work must have been undertaken **during the course of the enrolled academic program or in past 2 years**

Register Now!!



lu.ma/7mp2xbtp



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Evaluation Criteria



Originality of Design



Depth of Engineering Analysis



Innovation and Problem Solving Capability



Relevance to Industry or Societal Needs



Documentation Quality & Communication Clarity



Quality of Presentation



Awards & Recognition

- Cash Prizes for top entries in each category
- Citation & Certificate endorsed by IChE-MRC
- Feature in IChE-MRC's Quarterly Technical Publication
- Formal Felicitation at a Prestigious Ceremony hosted in Mumbai



Award Categories & Prize Structure

To recognize and reward excellence in student-led chemical engineering innovation, the Outstanding Young Chemical Engineer (OYCE) Awards 2025 will confer five distinct awards across undergraduate and postgraduate levels. These awards are structured to capture the breadth of contributions made in both engineering design and research and development (R&D) domains.

Sr.	Award Category	Award Title	Prize Amount
1	Undergraduate – Engineering Design Focus	Bhumistha Infra Services IChE-MRC OYCE Award for Excellence in UG Process Design	₹25,000
2	Undergraduate – R&D Focus	IChE-MRC OYCE Award for Innovation in UG Chemical Research	₹25,000
3	Postgraduate – Engineering Design Focus	thyssenkrupp Uhde India IChE-MRC OYCE Award for Excellence in PG Process Innovation	₹35,000
4	Postgraduate – R&D Focus	thyssenkrupp Uhde India IChE-MRC OYCE Award for Excellence in PG Process Innovation	₹35,000
5	Undergraduate (e-OYCE) – Online Participation	Bhumistha Infra Services IChE-MRC OYCE Award for UG Virtual Research Presentation	₹20,000

Jury, Evaluation & Technical Rigour

The OYCE Award follows a meritocratic and peer-validated assessment model, anchored by a Jury Panel chaired by the Chairman of the Award. The panel includes distinguished figures from industry and academia, selected based on domain-specific alignment with the submissions.

Submission Guidelines

- **Deadline:** 15th June 2025
- **Format:** PDF (A4 Size)
- **Font:** Times New Roman, Size 12, 1.5 line spacing
- **Margins:** 1 inch on all sides
- **Word Limit:** 3500–4500 words (excluding references and appendices)
- **Submission Portal:** Accessed to SharePoint credentials will issued upon registration

Structure of the Report

Sr.	Activity	Content
1	Cover Page	Title, Group Code
2	Abstract	Summary of objectives, methods, results, relevance
3	Introduction & Problem Statement	Define challenge, background, scope, industrial motivation
4	Literature Review	Benchmark existing approaches, identify knowledge gaps
5	Methodology	Explain workflow, techniques, tools, assumptions, basis
6	Results and Interpretation	Present findings, trends, insights, performance evaluation
7	Conclusion and Industry / Societal Relevance	Summarize outcomes, feasibility, application, industrial benefits
8	References	Cite credible journals, standards, verified sources
9	Attachment / Data Sets	Supplementary data, calculations, codes, detailed documentation

Submission Process

Step 1: Registration

Opens on 20th May 2025

Registrants will receive login credentials to the SharePoint portal within 48 hours

Step 2: Abstract Submission

Deadline: Within 7 days of registration

The abstract should succinctly capture the problem statement, methodology, innovation quotient, and outcomes

Step 3: Final Report Submission

Deadline: 15th June 2025

Must include: Title page, Abstract, Introduction, Methodology, Results/Findings, Analysis, Bibliography, and Acknowledgements

Participants may also use the portal to

- Download standard document formats
- Access evaluation rubrics
- Raise queries and request technical clarifications

Jury Interaction

Video calls may be scheduled between 7–25 June 2025 only if requested by jury members

These are intended to clarify submissions and explore technical depth

Final Presentation

All participants will be invited to physically present their work on 5th July 2025 at IIT Bombay

Each team will be allocated a fixed time slot Evaluation on this day will carry significant weightage in final results

Additional Criteria

Group and collaborative submissions allowed; due attribution is mandatory

Individuals submitting group projects must include a **No Objection Certificate** from co-contributors

Maximum 3 presenters allowed for any group submission

A student may submit **only one project**—either individually or as part of a group

Entries submitted for the “Best Design Project Award” are not eligible under this award

Published work is admissible with full citation and with written consent of the Journal

Prior winners of OYCE are welcome to reapply with new work

Closing Remarks

Over the past decade and a half, the Outstanding Young Chemical Engineer (OYCE) platform has quietly but consistently emerged as a benchmark in identifying and honoring academic talent in chemical engineering. Originally conceived as a forum for final-year students to present impactful work, OYCE has grown to become a convergence point of innovation, relevance, and future-oriented research.

What sets OYCE apart is its rigorous evaluation framework—anchored in a blend of academic scrutiny and industrial applicability. It is not just about selecting winners, but about validating ideas that are robust, scalable, and rooted in solving real-world challenges. Whether it is energy transition, green chemistry, or intensification of conventional processes, OYCE invites students to engage with the most pressing questions shaping our industry and society.

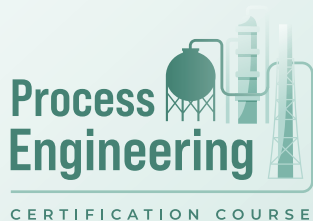
As we move into the 2025 edition, the vision is to deepen three pillars: industry-academia interfacing, research-to-application pathways, and national inclusivity. The introduction of e-OYCE is a testament to our commitment to accessibility without compromise on quality. Our focus remains on enabling every deserving student, irrespective of geography, to access this platform and gain validation from India's top experts.

OYCE is more than a competition—it is a movement to cultivate future-ready professionals who can think critically, execute responsibly, and lead meaningfully.

What's Happening @ IChE-MRC

IChE-MRC continues its focus on sector-aligned student development, recognition of academic excellence, and structured engagement with industry professionals. The following programs are scheduled over the remainder of the year:

Ongoing Programs & Flagship Events You Can Engage With



July–Oct 2025 IIT Bombay

Process Engineering Certification Course

An intensive 4-month lecture-based program designed for final-year Chemical Engineering students. The curriculum is tailored to core process engineering concepts relevant to plant and design roles.

- Contribute**
- ✓ Deliver guest lectures
 - ✓ Sponsor modules
 - ✓ Offer plant visits
 - ✓ Identify talent & Provide Internships



5–6 July 2025 IIT Bombay

Outstanding Young Chemical Engineer Award 2025

Competitive research-based recognition for undergraduate and postgraduate students. The award highlights academic innovation and practical applicability.

- Engage**
- ✓ Join the jury
 - ✓ Mentor finalists
 - ✓ Offer R&D internships
 - ✓ Support the award



6 July 2025 IIT Bombay

Worley-IChE MRC Best Design Project Award 2025

Annual award for final-year design projects evaluated on criteria including technical rigour, feasibility, and environmental impact.

- Support**
- ✓ Evaluate projects as Jury Member
 - ✓ Sponsor Prize Amount
 - ✓ Explore Internships with winning teams

IChE-MRC Industry Awards 2025

August 2025 Mumbai

IChE-MRC Industry Awards 2025

Celebrating leadership, innovation, safety, and ESG excellence in the Chemical & Energy sectors.

- Participate**
- ✓ Nominate your organization
 - ✓ Support the event via Sponsor Partnerships

Want to collaborate?

Sponsorships, jury roles, speaking slots, and custom engagements are welcome.

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