



In association with



# COLIGO AI Design Challenge



## Prize money

1<sup>st</sup> place 1.000 EUR (92,000 INR)  
2<sup>nd</sup> place 500 EUR (46,000 INR)  
3<sup>rd</sup> place 300 EUR (28,000 INR)



## Domains

Factory automation,  
Process automation,  
Energy,  
Building automation/smart cities,  
Transportation & logistics



## Submission Deadline

16th April 2025



# Overview

This contest challenges college students to develop innovative AI-driven engineering solutions using coligo.ai.

## Phases

Phase 0 – Pre-contest training & workshops

Phase 1 – Ideation and feasibility study

Phase 2 – Simulation and implementation plan

Phase 3 – Hardware integration and final demo

## Overview

- Each team should comprise of 3-5 students with one faculty advisor per team
- Team that comes up with creative use cases for Coligo.ai and completes a successful use case demonstration will be announced as the winner
- A jury from coligo.ai will decide on the finalists and winners
- The winning team's project will be demonstrated at sps smart production solutions 2025

## Key objectives

- Usage of coligo.ai in innovative ways to leverage the power of no code AI solution with Industrial automation use cases
- The teams should stick to the use case topics to be provided
- There will be elimination in each phase of the challenge



# Phase 0 – Pre-contest training & workshops



## **Introductory webinar**

- Overview of coligo.ai – its features, capabilities, and real-world applications.
- Explanation of how coligo.ai fits into AI-driven engineering design.

## **Live demonstration and Q&A**

- Coligo.ai Basics: Setting up user accounts, using AI models, and deploying solutions.
- Integration: How to connect Coligo.AI with hardware and external systems.

**Case studies:** Showcasing how industries use coligo.ai to solve real problems

# Phase 1 – Ideation & feasibility study

## Objective

Teams propose an AI-based solution using coligo.ai for a predefined challenge. They submit a concept document & presentation outlining the feasibility.

## Deliverables

- Concept paper (5-10 pages) covering:
  - Problem statement
  - AI-based solution using coligo.ai
  - Feasibility analysis & expected impact
- Pitch presentation (5-7 slides)



**Top 30 teams move to phase 2.**

## Phase 2 – Simulation & model development

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### **Technical report (15-20 pages) covering**

- AI architecture using coligo.ai
- Model development, training results
- Performance metrics & implementation roadmap

### **Coligo.ai code & results (GitHub repo or coligo.ai platform)**

### **Video presentation (5-8 mins showcasing results)**



**Top 8 teams move to phase 3.**

# Phase 3 – Hardware integration & final demo

# 3

## Hardware access

- Teams receive approved hardware kits for implementation.
- Mentorship sessions for coligo.ai deployment on hardware.

## Deliverables

- Working prototype
- Live demonstration
- Final report & presentation covering
  - AI-hardware integration
  - Performance analysis & real-world impact
  - Challenges & solutions

# Timeline

**March 26, 2025**  
Launch of event & pre-contest training & workshops

**April 16, 2025**  
**Phase 1:** Ideation & feasibility study (Elimination round)

**July 08, 2025**  
**Phase 2:** Simulation & model development (Elimination round)

**August 04, 2025**  
**Phase 3:** Hardware integration & final demo (Final round)

**October 24, 2025**  
**Final evaluation** and award ceremony

# How to apply



Last day to submit your  
phase – 1 submission:  
April 16, 2025



Mail ID: [cadc2025@coligo.ai](mailto:cadc2025@coligo.ai)



COLIGO AI Design Challenge

**BE PART OF IT!**

[cadc2025@coligo.ai](mailto:cadc2025@coligo.ai)