Ref. No. IKGPTU/T&P/...653.....

Dated. 22/04/2026

Directors/ HoDs (All Engineering Departments)
University Main Campus & it's Constituent Campuses
I K Gujral Punjab Technical University Jalandhar Kapurthala

Sub: Cognizant Technoverse Hackathon 2026 - Agent Builder Challenge (ABC)

Respected Sir/ Madam

This is in reference to Letter No. IKGPTU/T&P/645 dated 15-Apr-2026 (Letter attached) on the subject cited above, it is informed that Congizant announce the next exciting stage of the Cognizant® Technoverse Hackathon, the Agent Builder Challenge (ABC). Agent Builder is a challenge where the teams need to design the Gen AI workflow. All shortlisted teams will construct a logical, node-based solution to a defined problem.

Additionally, participants are expected to design an end-to-end workflow, define data flow and connect nodes to model their solution architecture.

The challenge is scheduled to be conducted as per the following timeline:-

Date : 23-Apr-26
Time : 5:00 PM - 6:30 PM

Note:-

- This is a team-based activity to be completed from a single workstation.
- All team members must collaborate throughout the activity.
- This challenge must be completed within 45 minutes in a single stretch without any breaks.
- No re-attempt or extension of timeline will be provided.
- Submission must be done only by the team captain on the Superset platform.

To further support their readiness, Cognizant are also planning a dedicated workshop that will provide hands-on guidance and practical insights for the students.

Detailed guidelines document is attached to help students to understand the requirements and ensure smooth participation in the Agent Builder Challenge.

All shortlisted teams attend the ABC Demo Call which is scheduled as per details mentioned below (email has also been sent to the shortlisted students):-

Date : 22-Apr-2026
Time : 5:00 PM.
Link : https://teams.microsoft.com/meet/47410072857038?p=i7f75UV3MJKxhqdfM1

★ ***"Propelling Punjab to a prosperous Knowledge Society"***

It is mandatory to all shortlisted teams to attend the ABC Demo Call.

You are requested to kindly direct the Training & Placement Faculty Coordinator of your campus/ department to share the information with the shortlisted students.

For any queries, you may please call the undersigned @ +91- 9478098136.

With profound regards,

22-4-2026

Er. Mohit Jain
Assistant Registrar (CR&A)

CC:

1. SVC: For kind information of the Hon'ble Vice Chancellor
2. Head (CR&A): For his kind information
3. DR (ITS) - To upload at University website
4. File.

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Technoverse Hackathon

2026

Agent Builder Challenge guidelines

Agent Builder Challenge guidelines

This document outlines the structure, expectations, and guidelines for the upcoming challenge. Please review the following instructions carefully.

01 Overview

The assessment will be conducted virtually on the Superset Platform. Ensure you have a stable internet connection and a suitable workspace before you begin, as the assessment cannot be paused once it has been initiated.

02 Agent Builder Challenge instructions

Duration: 45 Minutes | Mode: Team-Based

This round evaluates your team's ability to collaborate effectively, apply logical reasoning, and deliver structured solutions under time constraints.

Agent Builder is a workflow design challenge in which your team will construct a logical, node-based solution to a defined problem. You will be expected to design an end-to-end workflow, define data flow, and connect nodes to model your solution architecture.

Available node types include:

- Input, LLM Step, Prompt Template, Classifier/Router
- Condition/Branch, Tools, Knowledge Retrieval, Memory/Context, Output Formatter
- Evaluator/Guardrail, Retry/Fallback, Custom Code

This component assesses:

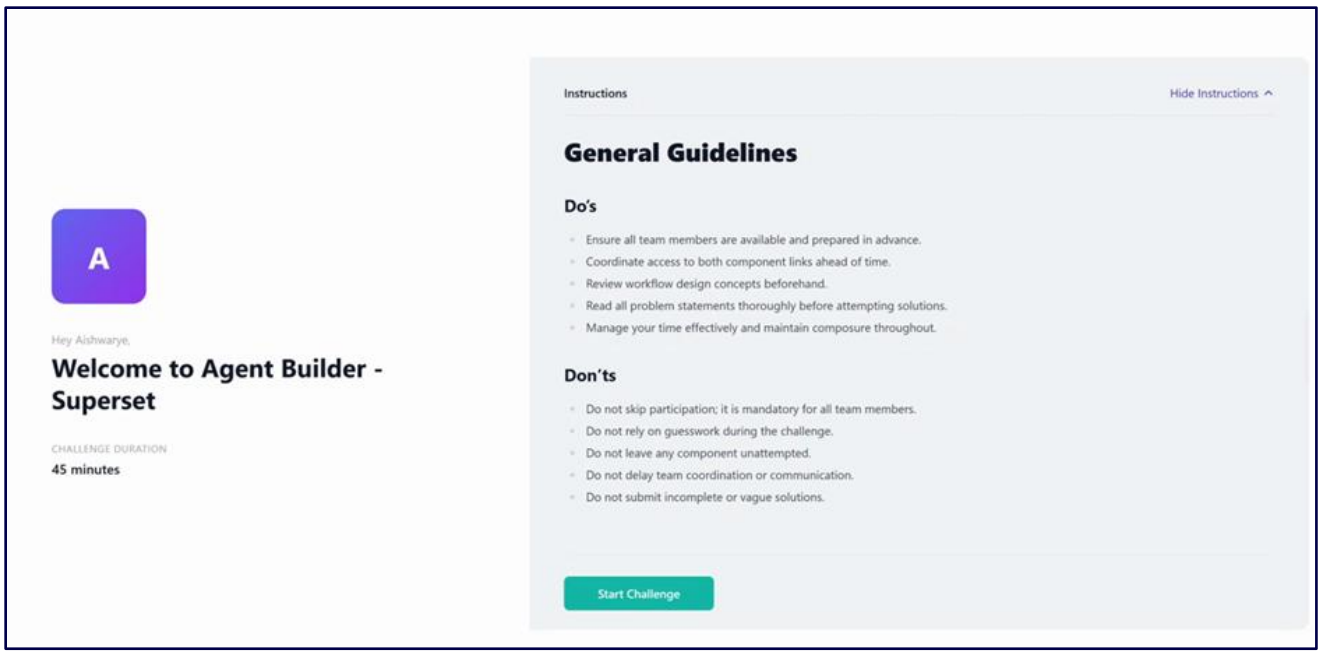
- Logical and structured thinking
- System design capability
- Clarity in solution architecture

03 Getting started with Agent Builder

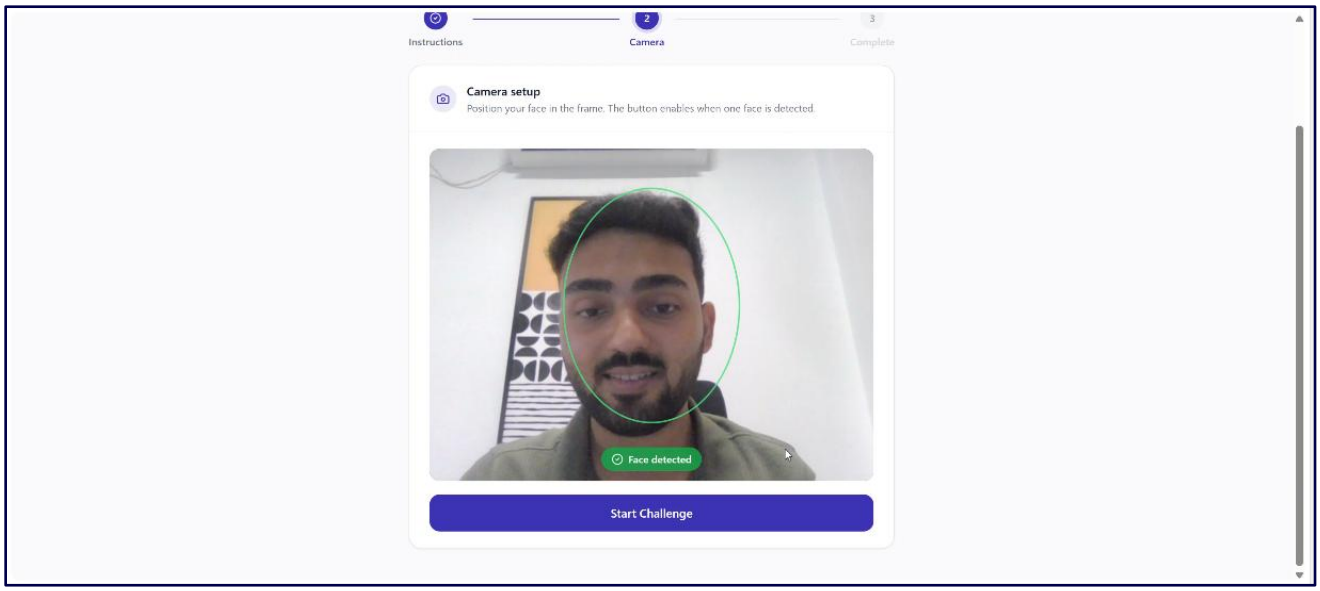
After successfully registering and forming your team, you will participate in the Agent Builder challenge. This section provides a walkthrough of the platform and the challenge process.

Initial Guidelines and Setup:

Upon entering the Agent Builder platform, you will be presented with a set of General Guidelines. The challenge duration is 45 minutes.



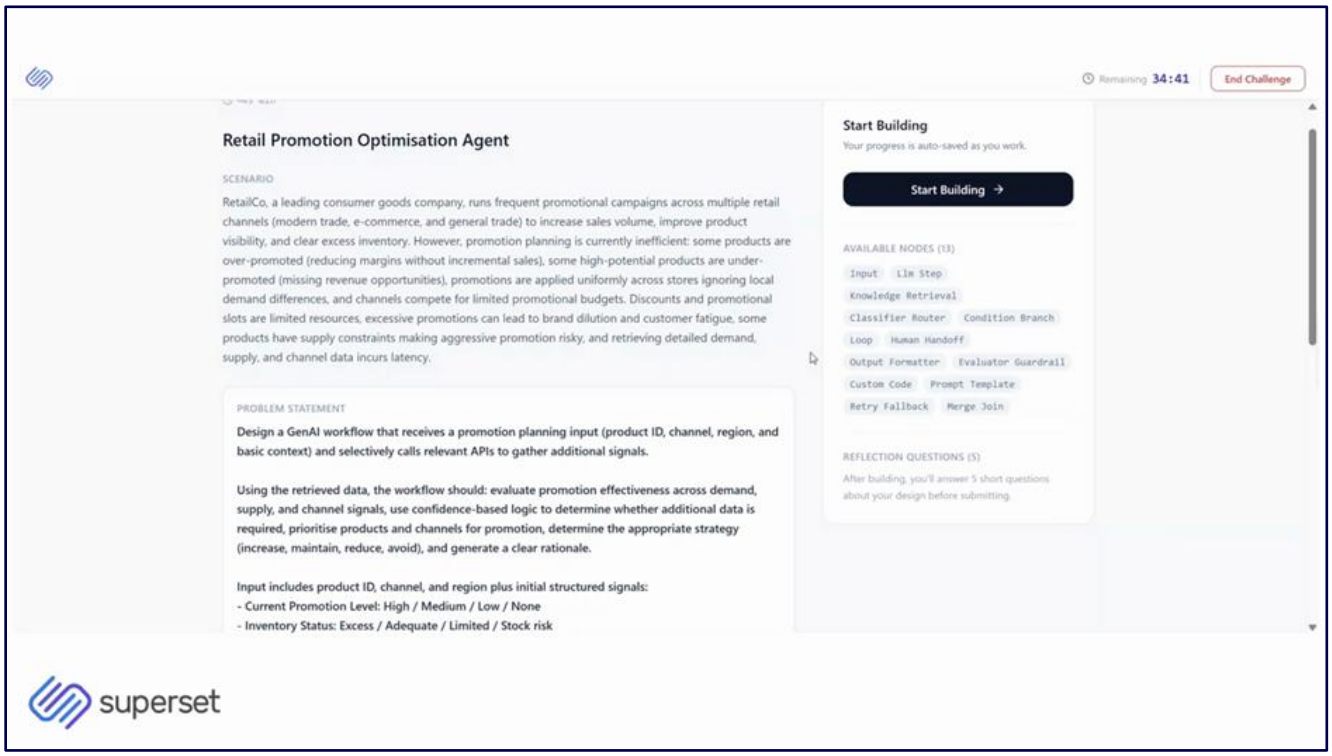
- It is mandatory to ensure all team members are available and prepared in advance.
- You must coordinate access, review workflow design concepts, and read all problem statements thoroughly.
- Do not skip participation, rely on guesswork, or submit incomplete solutions.



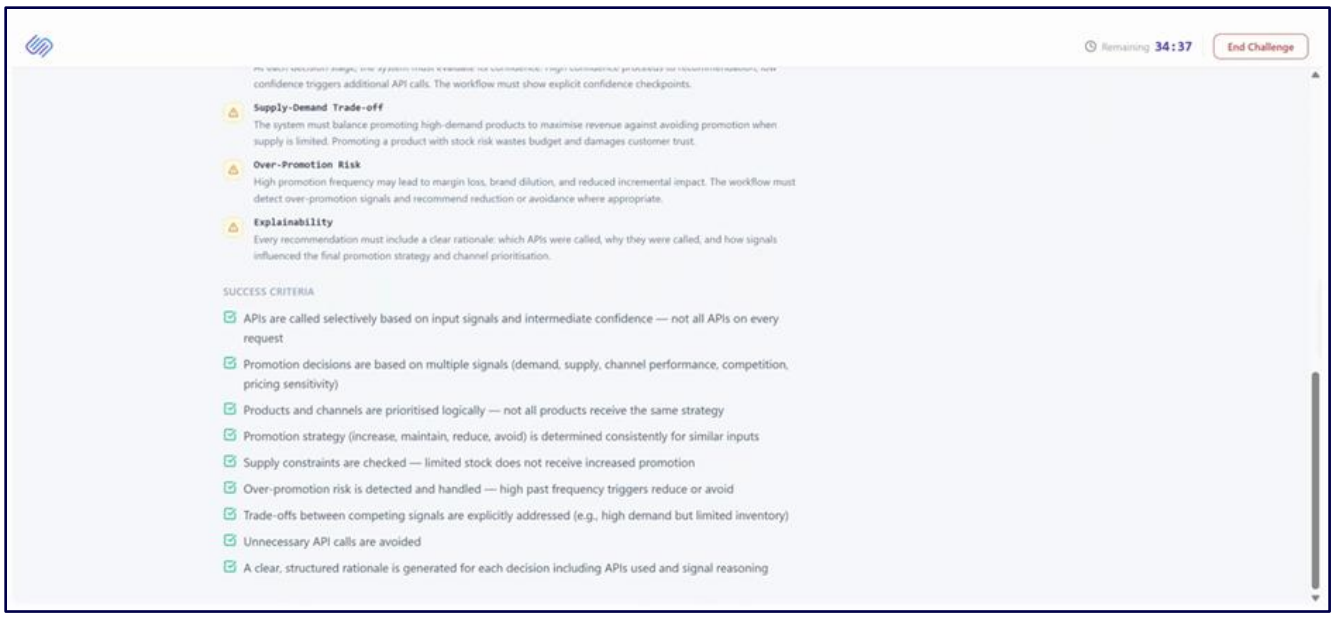
- Before starting the challenge, a camera setup is required for identity verification.
- Position your face in the frame; the "Start Challenge" button will enable once a face is detected.

04 Understanding the challenge

Once the challenge begins, you will be presented with the Challenge Brief.
For example, the "Retail Promotion Optimisation Agent" scenario requires designing a GenAI workflow to evaluate promotion effectiveness across various signals.

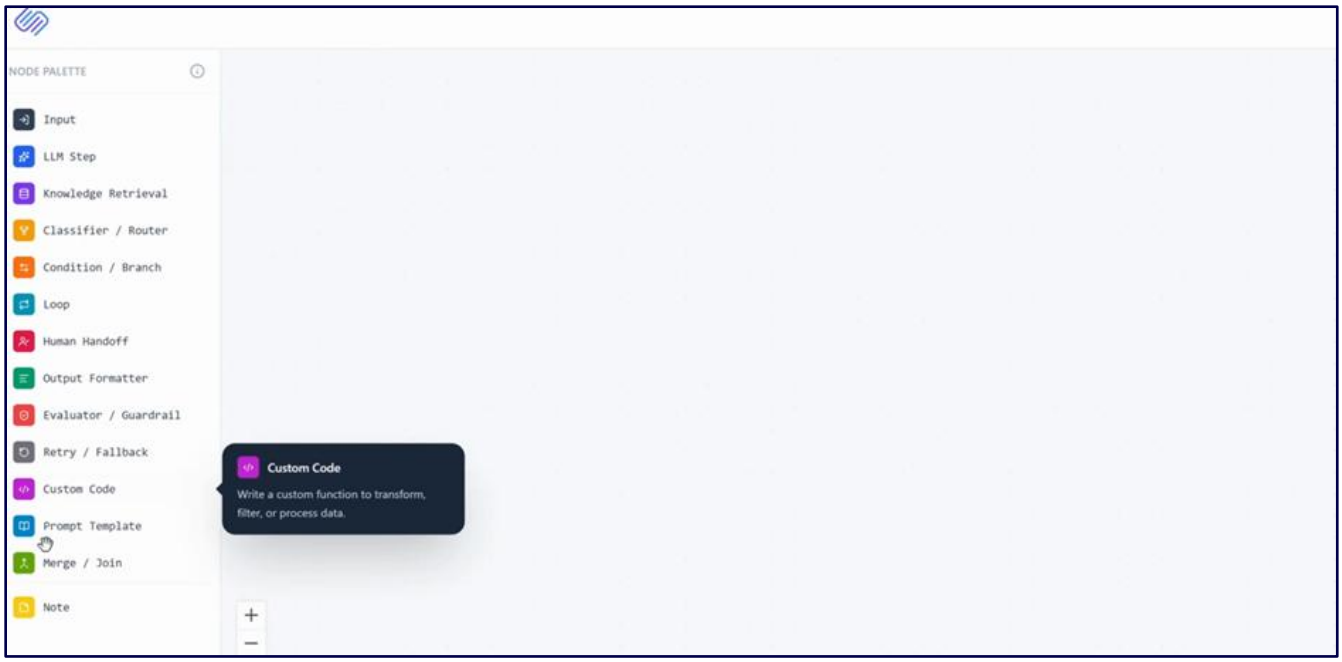


- The brief outlines the scenario, problem statement, and specific constraints, such as selective API usage and confidence-based branching.
- It also details the success criteria that your workflow must meet to be evaluated positively.

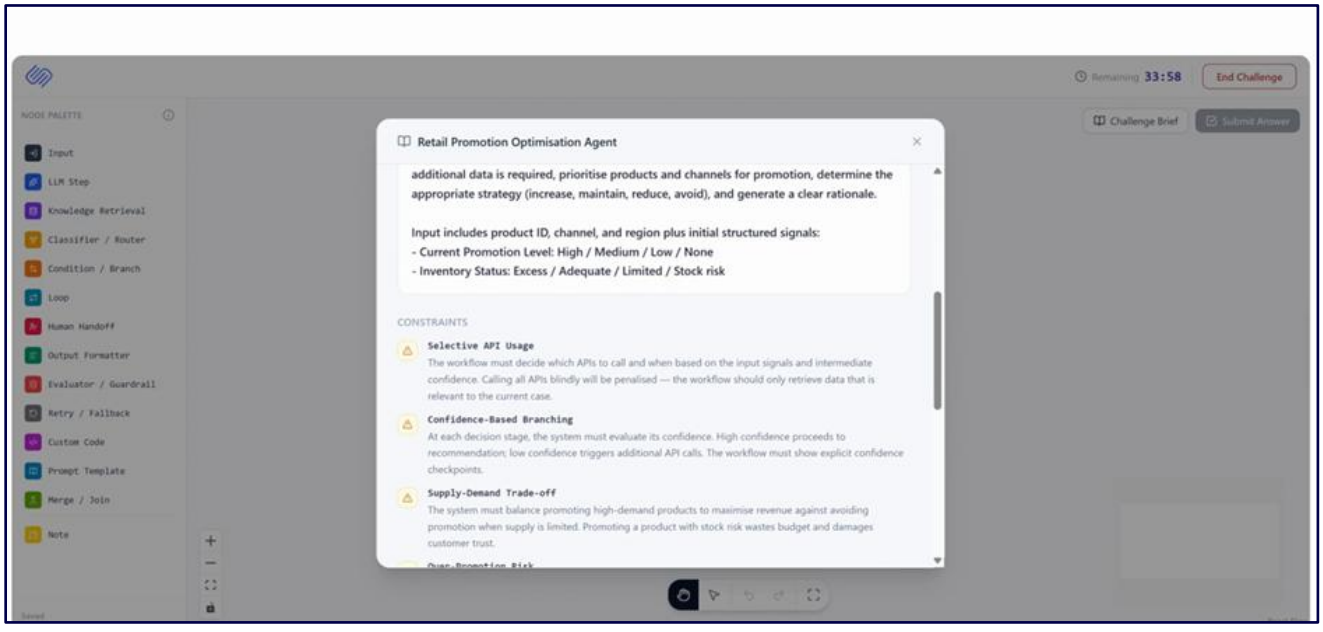


05 Building the workflow

- The core of the challenge involves using the Workflow Builder interface.
- On the left side of the screen, you will find the Node Palette, which contains all the available components you can use to construct your agent.



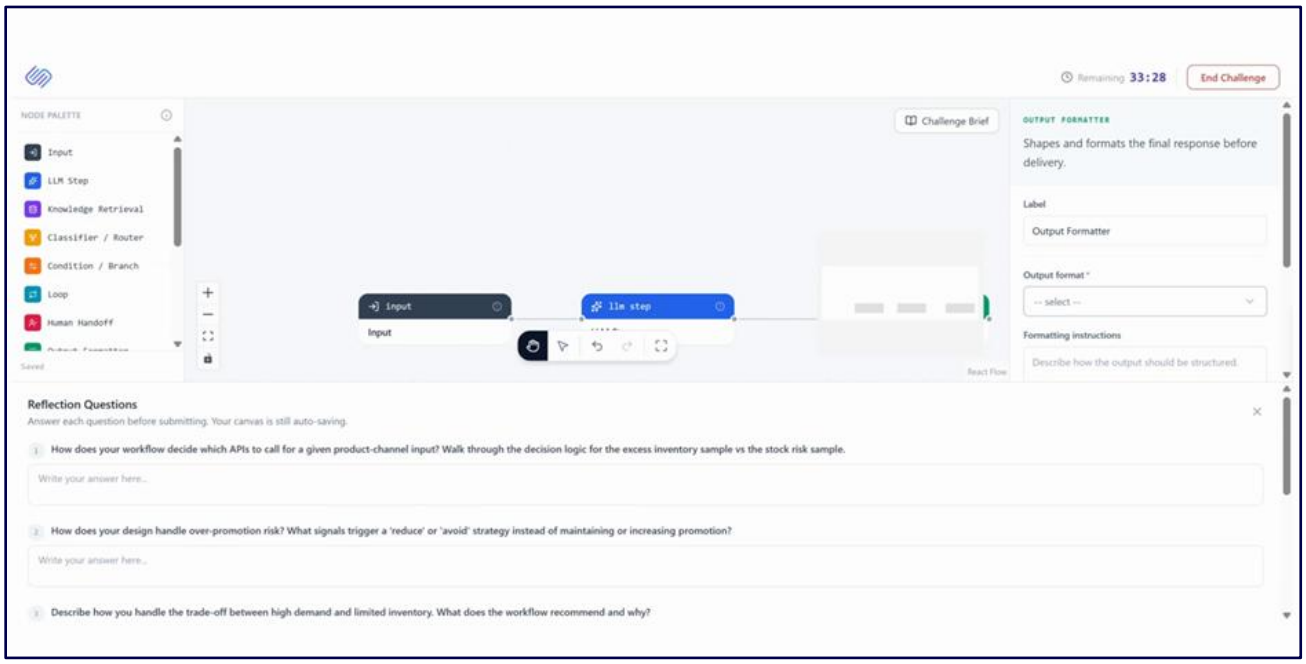
- Available nodes include Input, LLM Step, Knowledge Retrieval, Classifier/Router, Condition/Branch, Output Formatter, and Custom Code, among others.
- You drag and drop these nodes onto the central canvas to build your logic flow.



If you need to review the requirements at any point, you can click the "Challenge Brief" button to open a pop-up overlaying the canvas without losing your progress.

06 Final submission

After constructing your workflow, you must click the "Submit Answer" button. However, the submission is not immediately complete. You are required to answer a series of Reflection Questions based on your specific design.



- These questions ask you to explain your logic, such as how your workflow decides which APIs to call, how it handles over-promotion risk, and how it manages trade-offs between high demand and limited inventory.
- Providing clear, structured rationales is essential for a successful submission.
- Your progress is auto saved as you work on these questions.

In case of any queries during the Agent Builder Challenge (ABC), please reach out at https://app.joinsuperset.com/support/#/

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I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA
Centre for Training and Placement

Ref. No. IKGPTU/T&P/..644..... Dated.13/April/2026

Directors/ Principals
All the University Campuses & it's Affiliated Colleges
I K Gujral Punjab Technical University Jalandhar Kapurthala

Sub: Cognizant Technoverse Hackathon 2026.

Respected Sir/ Madam

This is in reference to Letter No. IKGPTU/T&P/630 dated 06-Apr-2026 (Letter attached) on the subject cited above, it is informed that the Idea submission timeline for the **Cognizant® Technoverse Hackathon 2026 has been extended until 14-Apr-2026 before 11:59 PM.**

This stage is one of the most crucial phases in the hackathon journey, where students transform their creative and innovative ideas into structured, impactful solutions. This extension will provide all participants with additional time to polish their concepts, strengthen their proposals and share their most compelling submissions.

You are requested to kindly direct the Training & Placement Officer/ Faculty Coordinator of your college/ campus to share the information with the concerned students and inspiring them to submit their innovative and transformative solution ideas.

With profound regards,

13-04-2026

Er. Mohit Jain
Assistant Registrar (CR&A)

CC:

1. SVC: For kind information of the Hon'ble Vice Chancellor
2. Head (CR&A): For his kind information
3. DR (ITS) - To upload at University website

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I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, KAPURTHALA
Centre for Training and Placement

Ref. No. IKGPTU/T&P/..630..... Dated..06/04/2026

Directors/ Principals
All the University Campuses & it's Affiliated Colleges
I K Gujral Punjab Technical University Jalandhar Kapurthala

Sub: Cognizant Technoverse Hackathon 2026.

Respected Sir/ Madam

Congizant announce the launch of **Cognizant® Technoverse Hackathon 2026**, national level hackathon for engineering students. Evolving from a regional initiative to a PAN India platform, this hackathon brings together bright, aspiring innovators to collaborate, ideate and build AI driven solutions for real world business challenges.

The hackathon offers students a unique opportunity to apply their academic learning in a practical, industry aligned environment, working on contemporary problem statements, engaging with Cognizant practitioners and gaining exposure to enterprise grade thinking and innovation.

Details are as mentioned below:-

Course/ Stream	:	B.Tech/ M.Tech (All streams)
Batch Eligible	:	2027 passing out
Last date of registration	:	03- 10-Apr-2026
Last date of Idea Submission	:	04 - 12-Apr-2026

This is opportunity to:

1. Apply your academic learning in a practical, industry-aligned environment.
2. Work on contemporary problem statements with guidance from Cognizant practitioners.
3. Gain exposure to enterprise-grade innovation and win exciting prizes.

Eligible & Interested students may register at the link mentioned below:-

https://app.joinsuperset.com/company/cognizant-technoverse-2026/

Detailed Cognizant Technoverse Hackathon 2026 is attached for your reference

You are requested to kindly direct the Training & Placement Officer/ Faculty Coordinator of your college/ campus to share the information with the concerned students.

With profound regards,

06-04-2026

Er. Mohit Jain
Assistant Registrar (CR&A)

CC:

1. SVC: For kind information of the Hon'ble Vice Chancellor
2. Head (CR&A): For his kind information
3. DR (ITS): To upload on University website

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Technoverse Hackathon

2026

Shaping tomorrow's tech leaders, today!

About Technoverse

Technoverse Hackathon 2026 is Cognizant® national-level innovation platform, designed exclusively for 2027 engineering graduates across India. Evolving from a regional initiative into a countrywide stage, Technoverse brings together aspiring innovators to collaborate, experiment, and build smart solutions powered by Generative AI and modern engineering practices.

Participants will have the opportunity to apply their academic expertise in solving real-world challenges through themes and technology stacks curated by Cognizant. With a strong commitment to diversity and inclusion, Technoverse proudly promotes 50% women participation, ensuring diverse perspectives and richer innovation outcomes.

Registration guidelines

- Registrations are exclusive to selected partnered colleges.
- All students graduating in 2027 with full-time B.E/B. Tech/M.E/ M. Tech degrees are eligible to apply.
- Each college can register with a maximum of eight teams with 4 members each.
- Each team should have at least 50% women participation.
- Attending design thinking awareness session is mandatory post registration.
- Choose a theme from the industry domains provided by Cognizant.
- Develop the MVP using Cognizant recommended technologies in an AWS environment provided by Cognizant.
- Team composition cannot be altered once the registration is completed.
- A participant is permitted to join only one team for the entire duration of the hackathon.
- Each team must have a unique name.
- Participants must register using only their Superset-registered email IDs. The team owner must ensure that all invited members are also registered with Superset in order to form a team.

Program journey and timeline

Registration
April 3 – April 10

- Each college may register up to eight teams of four members each, with at least two female members per team.

Idea submission
April 4 – April 12

- Submission of problem statements and solutions.

Agent Builder Challenge
April 23

- Agent building challenge for the submitted ideas (Team activity to be done from one workstation).

Developing MVP
May 6

- Shortlisted teams will build MVP during a 24 hour in-person hackathon in Cognizant's Pune facility.

MVP evaluation
May 7

- Evaluation will be based on impact, innovation, technical strength and scalability.

Winner announcement
May 7

- Top 3 teams will be rewarded with exciting prizes and internship opportunities.

Rewards and recognition

In-person felicitation

- Winners
  - Attractive prizes worth ₹ 5 lakhs, Cognizant internship opportunities
  - Cognizant merchandise and goodies
  - Certificates
- All teams in final round
  - Cognizant merchandise and goodies
  - Certificates

High level themes across industry domains

Communication, Media & Technology

- Network Automation
- GenAI for Content Creation
- 5G Monetisation
- Churn Prediction & Retention
- Privacy-First Advertising

Banking

- Lending & Credit
- Fraud Detection
- Personalised Banking
- Open Banking & APIs
- Payments Modernisation

Manufacturing

- Industrial Edge AI
- Digital Twin
- Automated Quality Inspection
- Predictive Maintenance
- Sustainable Manufacturing

Utilities & Energy

- Grid Modernisation
- Predictive Asset Maintenance
- Carbon Accounting & Reporting
- AI-Driven Energy Trading
- Demand Response

Healthcare

- Prior Authorisation Automation
- Clinical Documentation
- Interoperability
- Readmission Prevention
- Value-Based Care Analytics

Insurance

- Underwriting Automation
- End-to-End Claims Automation
- Usage-Based Insurance
- Embedded Insurance
- Catastrophe Risk Modelling

Retail

- Unified Commerce
- AI-Driven Merchandising
- Hyper-Personalisation
- Supply Chain Resilience
- Smart Store Operations

Lifesciences

- Drug Discovery
- Decentralised Clinical Trials
- Pharmacovigilance
- Digital Biomarkers
- Regulatory Intelligence

Technology stack and guidelines

1 Select one of the high-level business themes provided by Cognizant to define the problem.

2 The idea submission and agent builder challenge are conducted through the platform.

3 Submit your idea using the designated format on the platform.

4 The agent building challenge will be based on the submitted idea.

5 Develop the MVP using the following technology stacks:

Programming Languages:

- Python, Java, JavaScript / TypeScript

Frameworks and Platforms:

- **Frontend:** React, Angular, Vue
- **Backend / APIs:** Spring Boot, FastAPI, Node.js
- **Databases:** Open-source SQL and NoSQL databases like PostgreSQL and MongoDB
- **AI / ML:** Open-source AI and ML libraries in Python and Java
- Examples: LangChain, LangGraph, AWS Strand Agent Framework etc

Application Types:

- Web applications (preferred), REST APIs, Containerized services

Idea submission - structure

Why

Explain the problem

Identify the target users or stakeholders who would benefit from the solution. Describe their needs and problem points that the solution addresses.

Problem description and business scenario

Include relevant background information, data or context that helps explain the problem's significance and impact. Discuss industry and business trends, needs and scenarios.

Problem scope

Define the boundary and scope of the problem, specify any limitations or specific requirement.

Problem scope: Target users/ Stakeholders

Identify the target users or stakeholders who would benefit from the solution. Describe their needs and problem points that the solution addresses.

Idea submission - structure

How

Approach to solve the problem

Solution overview

Provide high level overview of the solution, explaining its core concepts and how it addresses the problem. Describe solution features, functionalities and main components of the solution.

Technical details

Provide technical information around the solution, this may include underlying technologies, platforms, programming languages, frameworks, algorithms, libraries used. Explain the data sources and integration/interoperability considerations with systems.

Innovation

Highlight unique or innovative aspects of the solution, emphasize any novel technologies, methodology or strategies employed.

Market potential

Provide approx. market potential, bring in facts and figures from research and analyst reports (where possible).

What

Value proposition

Enumerate the primary benefits or advantages of the solution with specific metrics or data points to quantify the benefits in terms of user experience, efficiency, time and cost savings, flexibility, scalability, social and environmental impact.

Idea evaluation criteria

Will the idea deliver business value?

Is the idea unique?

Is the idea implementable?

Is the idea scalable?

Disclaimer:

- In case of any queries related to hiring, interview schedules, or offer communication, kindly reach out to us at Campus2Cognizant.
- Cognizant does not entertain payments of any kind from candidates or vendors for employment. Requests for such payments should be promptly reported to GenCHRComplianceIND@cognizant.com.
- If you encounter anyone who claims to offer jobs at Cognizant in return for any benefit (monetary or non-monetary), please do not entertain them. Please be informed that Cognizant shall not be held responsible for any such instances or payments you make.
- We recommend that you do not respond to spam emails/ messages you do not trust; never disclose your personal or financial details to anyone you do not know. If any such mails purporting to come from Cognizant are received, we advise you to contact us at GenCHRComplianceIND@cognizant.com.
- Cognizant takes its hiring practices seriously and appreciates you keeping the Company informed of any individuals posing as Cognizant employees who make false job offers using Cognizant's name. We remind you that while recruiting employees, Cognizant will only communicate with you through authentic Cognizant email addresses and Cognizant will never extend any job offers to anyone based on an online application without first conducting an in-person, video, or telephone interview through verified encrypted channels. If any such mails purporting to come from Cognizant are received, we advise you to contact us at GenCHRComplianceIND@cognizant.com.
- To ascertain that you are receiving a genuine call from Cognizant, please ensure to collect the recruiter's details (full name; official email id, employee ID & mobile number) during the call.