Ref. No. IKGPTU/T&P/..201..... Dated..03/03/25

Directors/ HoDs (All Academic Departments)
All the University Campuses
I K Gujral Punjab Technical University Jalandhar, Kapurthala

Sub: Invitation to participate in Infosys Makeathon 6.0.

Dear Sir/Madam

I K Gujral Punjab Technical University invite students of it's Main Campus and its Constituent Campuses to participate in Infosys Makeathon 6.0.

Makeathon is an annual event conducted by External Forum track of Infosys Chandigarh / Mohali Center. This event aims towards providing a platform to northern region engineering and MCA students to showcase their technical skills on niche technologies. It is 6th season of Makeathon this year and chosen technologies are **AI/ML/GenAI**.

You are requested to kindly direct the Training & Placement Faculty Coordinator of your respective Campus/department to share the information with the concerned students. Students may select any one usecase and submit their solution in a team of 3-5 size as per given template. You are requested to get nominations from the interested teams by March 10, 2025. Evaluation of the teams will be done internally and the top team from each Campus will participate in Infosys Makeathon 6.0 at Chandigarh.

Format of nomination, call for participation, use cases & submission template is enclosed herewith.

Final Date & time of the event will be informed later on.

With profound regards,

03-03-2025

Er. Mohit Jain
Assistant Registrar (T&P)

CC:

1. SVC: For kind information of the Hon'ble Vice Chancellor
2. Registrar: For kind information
3. Head (CT&P): For kind information
4. Deputy Director(T&P): For kind information
5. File

I.K. Gujral Punjab Technical University
Jalandhar-Kapurthala Highway, Kapurthala -144 603. Phone : 01822-282580
E-mail : placements@ptu.ac.in **Website** : www.ptu.ac.in

Nomination format for Infosys Makeathon 6.0

Team Name	College Name	Use Case	College SPOC Name	College SPOC Email	College SPOC Phone	Student 1 Name	Student 1 Email	Student 1 Phone	Student 2 Name	Student 2 Email	Student 2 Phone	Student 3 Name	Student 3 Email	Student 3 Phone	Student 4 Name	Student 4 Email	Student 4 Phone	Student 5 Name	Student 5 Email	Student 5 Phone

Infosys® | Chandigarh DC

LEAD (Learning, Engaging, Agile, Digital)

Technology for Environment

MAKE-A-THON 6.0

March 2025

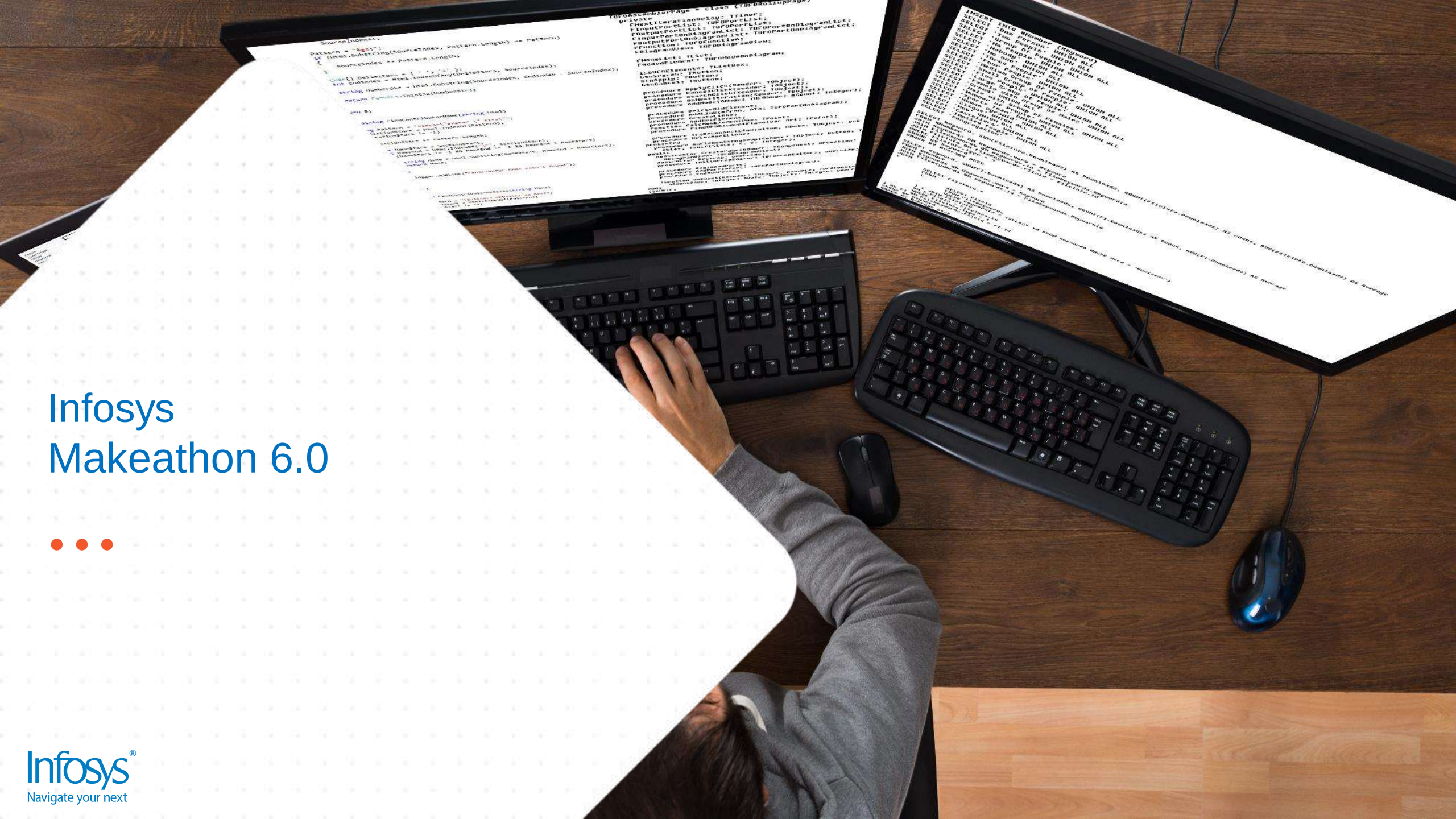
"Innovate to Sustainable Digital Future"

- Topic- Sustainability leveraging Digital technologies.
- Team Size: 3 to 5.
- Nominate a best innovative solution from your institute by March 17, 2025 .
- Shortlisted teams will be invited to Infosys campus to present their solution.
- Exciting prizes for the Winners

Infosys Makeathon 6.0 Use Cases

#	Category	Title	Description
1	Retail	AI-Powered Personalized Shopping Assistant	Develop an AI-driven shopping assistant that uses machine learning to analyze customer preferences and purchase history. The assistant should provide personalized product recommendations, predict future purchases, and offer real-time assistance through a chatbot interface. Use frameworks like TensorFlow or PyTorch and integrate with e-commerce platforms.
2	Financial Domain	Fraud Detection System Using Machine Learning	Create a machine learning model to detect fraudulent transactions in real-time. The system should analyze transaction patterns, flag suspicious activities, and reduce false positives. Utilize datasets from financial institutions and implement using Python with libraries like Scikit-learn and Keras.
3	Cybersecurity	Generative AI for Phishing Email Detection	Design a generative AI model to identify and block phishing emails. The model should learn from a dataset of phishing and legitimate emails, generate potential phishing scenarios, and improve detection accuracy. Implement using frameworks like GPT-3 or BERT and integrate with email systems

4	Smart Spaces	Intelligent Energy Management System	Develop an AI-based energy management system for smart homes or offices. The system should optimize energy consumption by learning usage patterns, predicting peak times, and suggesting energy-saving measures. Use IoT devices for data collection and frameworks like TensorFlow for model development
5	Telecom	AI-Driven Network Optimization	Build a machine learning model to optimize telecom network performance. The model should analyze network traffic, predict congestion, and suggest rerouting strategies to maintain service quality. Implement using Python with libraries like Pandas and TensorFlow, and simulate network scenarios
6	Open	Any good use case with relevant problem statement details	Open to any innovative way to solve a specific problem statement (using AI/ML/GenAI) and how this will help in business growth



Infosys Makeathon 6.0

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Navigate your next

Team and Use Case

- **< USE CASE >**
- **<TEAM NAME>**
- **<TEAM MEMBERS WITH COLLEGE DETAILS>**

Use Case

- **< YOUR UNDERSTANDING OF USE CASE > (focus on what is the business problem?)**
  - CONTEXT
  - BUSINESS RELEVANCE
  - BUSINESS SOLUTION

Technical Solution

- **<SOLUTION ARCHITECTURE> (add additional slides as needed***)**
  - **Design**
  - **Architecture**
  - **Flow Diagram**
  - **Deployment**
  - **How did you arrive this solution?**
  - **Any other relevant components to explain your solution better**

- **<TECHNOLOGY STACK>**
  - **Add the stack here**
  - **Why did you choose this stack?**

Thank You

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Navigate your next