To, Date: 21-03-2025

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Principal Consultant

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**Subject: Invitation as Chief Guest for HackGenX Hackathon 2025**

Greetings from HackGenX We hope this letter finds you in great health and high spirits. It is with immense excitement that we extend our heartfelt invitation to you to join us as an esteemed Guest at **HackGenX Hackathon 2025**, a premier 24-hour coding marathon designed to spark innovation, creativity, and impactful solutions to real-world challenges.

Organized in collaboration with **SIPNA College of Engineering and Technology, Amravati**, HackGenX is more than just a competition—it’s a dynamic platform where brilliant minds converge to address pressing global issues. This event will unite industry leaders, academicians, and aspiring technologists to foster collaboration, mentorship, and groundbreaking innovation.

We are confident that your presence will greatly enrich the event. Your expertise and insights would not only inspire participants but also elevate the experience for everyone involved. In addition to inviting you as a Guest, we humbly request the participation of **two mentors** and **one jury member** from your esteemed organization to guide and evaluate the participants. Their involvement would be invaluable given the technical and innovative scope of the hackathon, as outlined in the problem statements below for your perusal:

**HackGenX Hackathon 2025 Tracks & Problem Statements**

**Track 1: Smart Cities & Infrastructure Optimization**  
*Problem Statements:*

1. **Smart Warehouse Space Optimization** – AI-driven storage and inventory tracking.
2. **Smart Building Energy Optimization** – AI-powered energy efficiency and control.  
   *Jury Panel Expertise Required:*

* AI & Data Science Experts (Optimization, predictive analytics, automation).
* Urban Planning & Smart Infrastructure Experts (Sustainable city development, logistics, energy efficiency).
* Government Policy & Finance Experts (Public budget allocation, cost-effective infrastructure management).

**Track 2: Environmental Sustainability & AI Monitoring**  
*Problem Statements:*

1. **Automated Spill & Garbage Detection** – AI-powered waste management.
2. **Deforestation & Wildlife Tracking using AI** – Remote sensing and conservation monitoring.
3. **Smart Pollution Control & Monitoring** – AI + IoT for real-time air & water quality tracking.
4. **Smart & Sustainable E-Waste Management** – Scalable solutions for responsible e-waste disposal.  
   *Jury Panel Expertise Required:*

* AI & Computer Vision Experts (Image recognition, automated detection, real-time monitoring).
* IoT & Sensor Network Specialists (Smart tracking solutions for waste, pollution, and wildlife).

**Track 3: Intelligent Asset & Resource Management**  
*Problem Statements:*

1. **Automated Asset Lifecycle Management** – AI-powered asset tracking and predictive maintenance.
2. **Smart Budget Allocation System** – Automated public budget allocation using data.  
   *Jury Panel Expertise Required:*

* AI & Predictive Analytics Experts (Asset tracking, lifecycle management, real-time data analysis).
* Enterprise IT & ERP Specialists (Managing asset integration).

**Event Details**

* **Date:** April 16th – 17th, 2025
* **Venue:** SIPNA College of Engineering and Technology, Amravati
* **Opening Ceremony:** April 16th, 9:00 AM
* **Closing Ceremony & Award Distribution:** April 17th, 5:00 PM

We would be deeply honored to have you grace the **Opening Ceremony**, **Closing Ceremony**, or both, to motivate and celebrate the exceptional talent at HackGenX 2025. Additionally, the involvement of your mentors and jury member would provide critical guidance and expertise to the participants tackling these innovative challenges.

We eagerly look forward to your positive response and to welcoming you and your team to **HackGenX Hackathon 2025**. Together, let’s make this event a resounding success and a milestone in fostering innovation!