





Hack4Purpose Event Report



Overview:

- Hack4Purpose, a national hackathon, was organized by Dynamic Coalition on G4P ([DC-G4P](#)), [OpenGrowth.org](#), [Health Parliament](#), and [Kalyan Jewellers](#)
- It took place at IIT Delhi's Techfest - Tryst 2024, and became the main buzz at the event.
- With a focus on Gaming4Purpose, Digital Health, and Smart Jewellery, the event aimed to inspire unique solutions to pressing issues.
- The buzz around Hack4Purpose was undeniable, with over 22,800 impressions on [Unstop](#) and 628 teams signing up.
- After going through a plethora of innovative ideas, 18 teams made it to the final round, held offline at IIT Delhi.
- The sheer creativity and diverse tech stack implementations showcased the event's success in fostering groundbreaking solutions.

	Registered 628
	Team Size 1 - 4 Members
	Impressions 22,879
	Registration Deadline 22 Mar 24, 11:59 PM IST

Problem Statements:

Gaming4Purpose:

1. Educational Games for Underserved Communities:
 - Design a mobile or web-based game to provide quality education on basic literacy and numeracy to children in underserved communities.
 - The game should be able to adapt to different learning speeds and styles, using AI to offer a personalized learning journey.
2. Financial Literacy Game for Young Adults:
 - Create a game aimed at improving financial literacy among young adults. The game should cover essential topics like budgeting, saving, investing, and understanding credit.
 - Engaging gameplay mechanics, real-life scenarios, and rewards for achieving financial goals could make learning about finances appealing and fun.

Digital Health:

1. Engaging Patients in Regular Health Checkups through Gamification:
 - Develop a gamified mobile or web application that incentivizes and motivates individuals to schedule and attend regular health and medical checkups
 - The solution should employ gamification elements such as points, levels, rewards, or challenges to make going for health checkups engaging and rewarding.
 - Health checkups will be a separate category from medical checkups (with a doctor) as another category.
2. Virtual Health Indicator to Prompt Health Checkups Based on Perceived Health Age:
 - Create a solution that uses a virtual health indicator to provide users with a "health score" or a "virtual health age," calculated based on their lifestyle choices, self-reported health data, and possibly integration with wearable health monitoring devices.
 - This virtual age would indicate whether their health age is older or younger than their actual age, serving as a motivating factor to maintain or improve their health

Smart Jewellery:

1. AI Marriage Prediction System:

- Develop a chatbot that offers personalized relationship advice based on AI analysis of user interactions and relationship history
- Create a mobile app with machine learning algorithms to suggest date ideas tailored to couples' interests and preferences.
- Build a web platform that offers virtual premarital counseling sessions with AI-driven insights into potential areas of conflict and compatibility.

2. AI Jewellery Customisation:

- Design a virtual try-on experience using augmented reality technology to allow customers to visualize how custom-designed jewellery will look on them.
- Develop a recommendation engine that suggests personalized jewellery designs based on customers' fashion preferences, lifestyles, and past purchase history.
- Implement a collaborative design platform where customers can co create custom jewellery pieces with designers in real time using AI-assisted tools.

Judging Panel:

We were honored to host esteemed industry leaders from the Digital Health and Jewellery sectors, who generously dedicated their time to review all the ideas, provide invaluable insights, and mentor the participating teams throughout the event.

Our distinguished panel comprised:

- **Dr. Rajendra Pratap Gupta:**

- Dr. Rajendra Pratap Gupta is a distinguished leader in the realms of healthcare policy and digital health, known for his extensive contributions towards shaping global health initiatives. He is the founder of the Health Parliament, a platform that significantly emphasizes the need for a healthcare system that is more transparent, accessible, affordable, accountable, and driven by outcomes. HP champions the inclusion of patient voices in healthcare conversations, pushing for a substantial shift towards healthcare that is driven by the needs and voices of patients themselves. Through its initiatives, HP seeks to mobilize stakeholders across the healthcare spectrum to work towards a system that benefits all, reflecting Dr. Gupta's vision for a more patient-centric approach to healthcare.
- Additionally, Dr. Gupta's leadership extends to his role as a Global Ambassador for the G20 Health & Development Partnership. In this capacity, he has expressed enthusiasm about contributing to the global health agenda, particularly emphasizing the importance of sustainable development and the collaborative effort to address global health challenges.
- His background as a former advisor to the Union Health Minister of India and his involvement in digital health initiatives globally underscore his deep commitment to improving healthcare delivery and policy. His work aligns with the goals of hackathons that seek to innovate and solve challenges in Digital Health, making his expertise and insights invaluable for guiding and inspiring participants aiming to make impactful contributions to the Digital Health sector.



- Mr. Rajesh Kalyanaraman:

- Mr. Rajesh Kalyanaraman, serving as the Executive Director of Kalyan Jewellers, has made significant contributions to the jewelry industry, particularly through pioneering initiatives that have revolutionized the sector.

- Under his leadership, Kalyan Jewellers was honored with the 'Hall of Fame – Gems of Prestige Award' at the 16th edition of IIJS Signature 2024. This award recognizes his efforts in pushing the boundaries of excellence in craftsmanship and service, shaping a legacy that aligns with the values of Kalyan Jewellers.

- Kalyan Jewellers, co-run by Rajesh and his brother Ramesh, is known for its customer-centric approach, leading to a high rate of repeat customers and expansive growth plans. The company has set a target to grow into a ₹25,000-crore revenue company by 2025, emphasizing the significance of trust, transparency, and educating customers about the purity of gold and jewelry making charges.

- Their strategy of hyper-localization and understanding the diverse needs of different regions has been key to their success. Additionally, the company's use of celebrity endorsements has effectively communicated their message of trust to a wide audience.




Event Details:

- The event unfolded over a 12-hour period at IIT Delhi's LH416 classroom in the LH Building, attracting teams from diverse cities like Chandigarh, Coimbatore, Prayagraj, Jodhpur, and beyond.
- Kicking off at 9 am, participants were greeted with an inspiring introductory speech from our esteemed judges, setting the energetic tone for the day ahead.
- As the day progressed, teams delved into brainstorming and refining their ideas. At 11 am, our mentorship round commenced, providing invaluable guidance from our judges to fine-tune concepts and enhance innovation.
- Following a well-deserved lunch break at 2 pm, attendees gathered for a presentation spotlighting; OpenGrowth.org and AISquare, shedding light on community initiatives and future collaborations.
- With the clock ticking towards 7 pm, anticipation mounted as teams prepared to present their ideas and prototypes during the final judging round. Each team had four minutes to impress the judges with their innovative concepts, usability, tech stack implementation, and enhancements from the mentorship round.
- After two intense hours of evaluation, the judges and audience were excited by the many creative ideas and potential shown by the participants.
- In the days after, careful thought went into picking our winners (details below). We also noticed there's a lot of talent among the participants, suggesting possible collaborations in the future.

Winning Ideas:


1. Team Unity - Spark:

- Ed-Tech platform for cognitive training, social interaction and education for children with Down syndrome
- Technologies used: XR, WebGL, EEG and AI
- Aim is to provide comprehensive evaluation, monitoring, and tracking of each child's progress to aid and assist their medical treatment
- Demo:  [Spark Demo Video](#)



2. Team Greedy Geeks - Paathshala:

- MetaVerse EdTech Platform
- Combines MERN stack website with immersive experiences built on Unity and 3D models from Sketchfab for education in the metaverse.

3. Team Titans - Investopia:

- Game for financial literacy
- “Starting with just a dream and a small plot of land, you'll build your empire from the ground up, whether you're a seasoned investor, budding entrepreneur, or just beginning your journey.”
- Learning through engaging tutorials, practical tips, and real-time feedback
- Essential financial skills across various activities, from managing assets and liabilities to understanding passive income and credit systems.
- Demo:  [Investopia Demo Video](#)

Honorable Mentions:

- Team LUMOS - LUMOS:
 - Food analysis to empower users with informed choices tailored to their health needs
 - LUMOS provides personalized recommendations based on individual health profiles
 - Along with gamification to enhance user engagement
 - Demo: [Lumos Demo](#)
- Team Vital Bloom - Vital Bloom:
 - Health Management App
 - A designated individual within each family assumes the role of JOY, serving as a dedicated health monitor for their loved ones.
 - Demo:  Vital Bloom Demo Video
- Team Path Tiwari - DevDoc:
 - Healthcare Platform with features including an AI Doctor for symptom analysis and remedies, a Personal Nutritionist for dietary guidance, and Lab Report Analysis for interpreting medical reports
 - Demo:  DevDoc

Scope for Improvements:

- Marketing:
 - To attract more participants, we can ramp up marketing across various channels, especially considering the quality mentorship panel we have.
- Response Management:
 - Improving response management involves organizing responses better with clear Excel sheets, separating them by domain, and providing specific feedback where needed.
- Mentoring:
 - Expanding our mentor pool can help us handle the event's scale better, allowing for multiple batches of mentoring simultaneously.
- Faster Decision Making:
 - In future editions, we need to streamline our decision-making process, especially during shortlisting for prelims and final rounds, to ensure we make timely selections.

Testimony:

Team Hack-a-thletes:

"Hack-4-Purpose" at IIT Delhi was a game-changer in healthcare innovation. It was amazing from start to finish! The organizers, mentors, judges – everyone was super helpful and supportive. Plus, being at IIT Delhi just added to the whole vibe. The judges' fair criteria made it feel like a level playing field for everyone. It's clear that events like these are shaping the future of healthcare tech, and I'm excited to see where it goes from here!

Summary:

In conclusion, Hack4Purpose was a testament to the power of teamwork, innovation, and determination. The event brought together people from all over the country to work on real-world problems in gaming, healthcare, and jewelry.

Participants showed their creativity and commitment to making a difference through their solutions. The event was more than just a competition; it was an opportunity for learning and growth.

Looking ahead, we're excited to see how the ideas developed at Hack4Purpose will continue to impact society. The event highlighted the importance of collaboration and showed what can be achieved when people come together with a common goal.

Overall, Hack4Purpose was a success, and we're grateful to everyone who participated and contributed to making it a memorable experience.
