



LOYOLA COLLEGE (AUTONOMOUS) CHENNAI - 34
LOYOLA INSTITUTION'S INNOVATION COUNCIL

Hackathon



 15 March 2023

 Ls Hall

Cash Prize
1.5 Lakhs



ABOUT LOYOLA COLLEGE

Loyola College was founded by the Society of Jesus (Jesuits) in 1925. The College aims at training young men and women of quality to be leaders in all walks of life. UGC has elevated Loyola College to the “College of Excellence” status. The SIRO (Scientific Industrial Research Organization) status received in January, 2011 enables a 175% tax exemption to the donors of Loyola College Society for the purpose of Scientific research U/s.35 of the Income Tax Act. The College is ranked 4th in the NIRF (National Institutional Ranking Framework) Ranking 2021. Loyola Institutions Innovation Council (LIIC) affiliated to MIC under the Ministry of Education - Government of India - is rated with 4.5 out of 5-star rating and has been recognised as a mentor institution in promoting and nurturing innovation and entrepreneurship.

ABOUT HACKATHON

Hackathon is an LIIC initiative to provide students a platform to solve some of the key issues faced in daily lives, thus inculcating a culture of innovation and a problem solving mindset. We are living in a period of rapid change driven by innovation and technology. Our ability to absorb and use related information will depend on how fast and how often we learn. LIIC is confident that these kinds of hackathons will give us opportunities to discover and adapt new technologies to cope with the change and overcome the current and future challenges of our industries and beyond. Also, this Hackathon contributes to the implementation of SDG 9 –industry, innovation, and infrastructure. In order to achieve this goal, students have a role to play in tackling existing industrial challenges and developing technology-based solutions with social impact. It helps students to implement their academic skills and analytical skills with more confidence. They also help in developing their cognitive skills, emotional stability, creativity, and design thinking.

OBJECTIVES

- It aims to inculcate a culture of product innovation, problem-solving and out-of-the-box thinking among students.
- Ignite young minds , nurturing their innovative ideas and to activate their dreams.
- Solve real-world societal problems by design thinking process.
- Create opportunities for students to showcase their innovative ideas.

FOCUS SECTORS

Smart Education: Smart education, a concept that describes learning in the digital age. It enables learners to learn more effectively, efficiently, flexibly and comfortably.

Disaster Management: Includes ideas related to risk mitigation, planning and management before, after or during a disaster.

Tourism: A Solution/Idea that can boost the current situation of the tourism industries including hotels, travel and others.

Renewable/Sustainable Energy: Innovation ideas that help manage and generate renewable/sustainable sources more efficiently.

Blockchain & Cybersecurity: Provide ideas in a decentralized and distributed ledger technology used to store digital information. (Cryptocurrencies and NFTs)

Transportation & Logistics: Submit your ideas to address the growing pressure on the city's resources, transport networks, and logistics Infrastructure.

Robotics and Drones: There is a need to design drones and robots that can solve some of the pressing challenges of the nation. Such as handling medical emergencies, search and rescue.

Clean & Green Technology: Solutions could be in the form of waste segregation, disposal, and improved sanitization system.

Med Tech/ Bio Tech/Health Tech: Cutting-edge technology in these sectors continues to be in demand. Recent shifts in healthcare trends, growing populations also present a array of opportunities in Health sector.

Agriculture, Food Tech & Rural Development: Developing solutions, keeping in mind the need to enhance the primary sector of India- Agriculture and to manage them.

Smart Vehicles: Creating intelligent devices to improve the communication sector.

Smart Automation: Ideas focused on the intelligent use of resources for transforming and advancements of technology by combining artificial intelligence to explore more.

Fitness & Sports: Ideas that can boost Fitness activities and assist in keeping fit.

Heritage & Culture: Ideas that showcase the rich cultural heritage and traditions of India.

Miscellaneous: Technology ideas in tertiary sectors like Hospitality, Financial Services, Entertainment, Retail, and Waste Management.

EXPECTED OUTCOMES

- Providing an opportunity for students across the department from institutions to find innovative solutions for a better understanding of the challenges faced by humanity.
- Provide Consultancy to participants on their idea's and challenges that societies and nations have.
- Engaging students more actively on issues related to social concern.
- Developing advanced technical skills, making them more employable and entrepreneurial.
- Encouraging students for building technology-based start-ups, thus contributing to the economic independence of the nation as well as creating more employment.

GUIDELINES

- Students across all the Departments from Loyola Institutions are eligible to participate.
- Number of members in a team is 2.
- Teams can be mentored by Staff/Innovation mentor and HOD of respective departments.
- Each team will submit its proposal, reviewed and forwarded by the respective Staff/Innovation mentor.

- The submitted proposals will go through a blind review by external experts.
- During the Start-Up Conclave - 2023, Teams will showcase prototypes, designs and pitch their innovative ideas.
- Prototypes and ideas will be evaluated by judges and the best prototypes will be given an opportunity to present their ideas to Potential Investors during Industry Academica Conclave 2023.
- Further Selected Ideas will be provided with Mentorship and a Cash Prize of Rs.1.5 Lakh (as Seed Capital) through LIIC.

DATES TO REMEMBER

Registration of Teams	- 01 st February, 2023
Submission of Proposals	- 03 rd March, 2023
Start-Up Conclave	- 15 th March, 2023

SCORING CRITERIA

PART-A: 50 POINTS

- Relevance of problem and proposed solution
- feasibility of solution (smart-specific, measurable, achievable, realistic, timebound)
- Applicability of solution.

PART-B: 50 POINTS

- Exhibiting prototype in person.

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