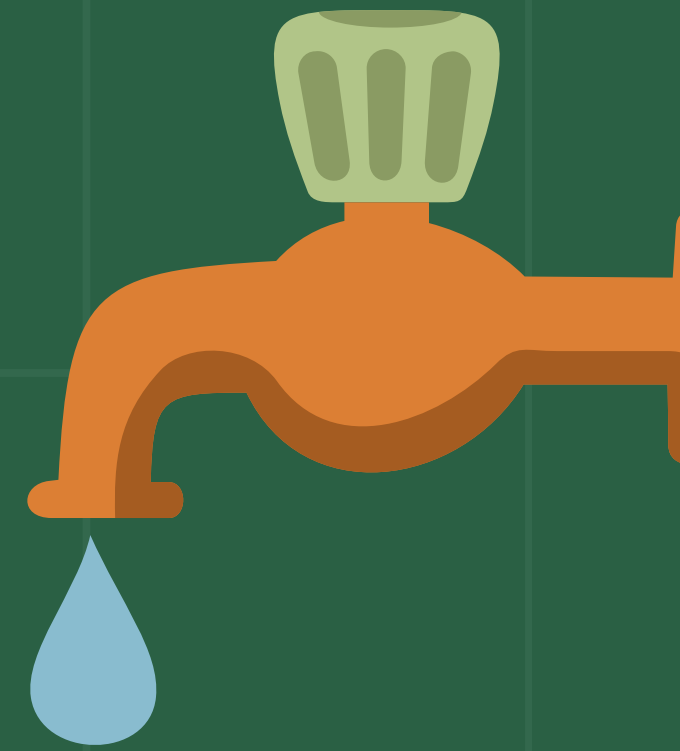


MANAGING ENERGY

MANAGING THE FUTURE



**INTER-COLLEGE
HACKATHON IS BEING ORGANISED**

BY

DEPARTMENT OF PHYSICS & ECONOMICS

under the Aegis of IQAC & CV RAMAN Science Club

IN GOVERNMENT COLLEGE KHARKHARA

ON 16/10/2024

TIME: 10:00 AM

ON THE OCCASION
OF
WORLD STUDENT DAY
A TRIBUTE
TO
DR. APJ ABDUL KALAM

Coordinator

Dr. Sidhanshu

Associate Professor

Dept. of Economics

9466325917

Convenor

Dr. Meenakshi

Assistant Professor

Dept. of Physics

9813915020

Patron

Smt. Archana Soota

Principal

GC Kharkhara

Hackathon Problem Statements

1. **Energy Efficiency:** Develop a solution that reduces energy consumption in households using a combination of physics-based technology (solar, wind, etc.) and economic strategies (subsidies, incentives).
2. **Waste Management:** Create a model for better waste segregation and recycling that is cost-effective and easy to implement in rural or urban areas.
3. **Water Conservation:** Design a physics-based water filtration system and propose an economic plan to make it affordable for low-income communities.
4. **Transportation Emissions:** Develop a prototype for reducing emissions in public transport, considering both the physics of energy conservation and the economic feasibility for city implementation.

Hackathon Rules:

1. **Team Size:** Participants must form teams of 2–3 members. Maximum 2 teams from one college. Individual participation is not allowed.
2. **Problem Statements:** Choose a problem statement from the provided list. You may also propose a related issue for approval.
3. **Evaluation:** Projects will be judged on innovation, impact and presentation.
4. **Solution Presentation:** Each team will be given 10 minutes to present their solution, including a demo and explanation of its relevance to sustainability.
5. **Mentorship:** Mentors will be available throughout the hackathon for guidance on technical and non-technical issues.



PLEASE REGISTER YOURSELF

Please Register on or before 14/10/2024 using QR Code