

LET'S DECODE

Join the Xylem India Hackathon Challenge 2022!



Water is essential for sustainable future but globally the availability of water is changing due to climate change, increased consumption, wastage and many more. Young minds are vigilant on water related issues and they can make a difference by working towards the various initiatives to solve these challenges.

What is Xylem India Hackathon Challenge 2022?

The aim of the Xylem India Hackathon Challenge 2022 is to learn from young minds about their understanding of specific water-related challenge and innovative, cost-effective solutions that they believe can be a potential solution to the problem.

Who should participate?

Any undergraduate or post graduate student enrolled into a university, between the age group of 18 – 25 years is eligible and can participate in the challenge as individual or in team (maximum up to 3 team members)

Why participate?

The participants will get

- Knowledge and awareness of water issues
- An opportunity to join in the efforts to solving the world's greatest challenges
- A chance to win cash prizes (one winner in UG and PG category)
- 3-12 months Internship opportunities in Xylem India. After Internship, a possibility of joining Xylem in future.

How to participate?

Any interested participant can register to Xylem India Hackathon Challenge 2022 link : <https://bit.ly/3a5PRzy>

The participant must choose from one of the below challenge statements and will have to deliver a power point presentation on the topic.

S. No	Challenge Statement	Description
1)	Wastewater Management: A solution to Recycle water (Domestic or Industrial)	Problems concerning water sanitation and practice of discharging untreated wastewater from Domestic network and Industries are increasing rapidly. The greatest challenge in this will be the implementation of low-cost treatment system that will help in reuse of water.
2)	Rainwater Management: A Solution to Agriculture	Can we use flood water for irrigation? Provide suitable and sustainable methods to Storage of water and reuse for Irrigation.

3)	Non-Water Usage in Water Intensive areas: A Solution to Save Water	There are industries like textiles, agriculture, food, cosmetics etc. requires a huge amount of water for their overall process. This continuous use of extensive water will increase water scarcity. The challenge is to design a solution that will reduce the average usage of water for these systems.
4)	Sustainable solution for Water Quality Measurement	Traditionally, Quality measuring instruments have been complex and expensive. Can latest technology advancement be utilized to <ul style="list-style-type: none"> • Develop a Sustainable quality measuring instruments including Remote monitoring capabilities. • Also it should be in a way that it reduces life cycle maintenance cost & efforts.
5)	Energy optimization in water	<ul style="list-style-type: none"> • Energy conservation is of paramount importance for water treatment plants. The wastage of unnecessary energy leads to increased operational and maintenance cost. So here can we use the IoT concepts to develop: A monitoring and analytical system , using component data , provide real-time decisions to make system more energy efficient and optimized

Evaluation Criteria*

The participants will be evaluated on the below



**Xylem Hackathon winner will be given opportunity to take forward their idea to actual product development under the mentorship of our innovation incubator team.*

Event Dates

Virtual kick-off meeting for all the registered participants for briefing about Xylem India Hackathon and clarifying the doubts of the participants: June 27, 2022

Event details and hosting dates : To be notified later

If you have any questions, feel free to reach out to us at India.Hackathon@xylem.com

Organizing Committee

Rama Subramaniam	Hackathon Lead
S, Krishna	Regional Lead
Shivani Singhal	Communication Lead
Mahesh Kothiyal	Marketing Lead

Jury Members

Rajul Mehrotra	Director Strategy, Marketing and Government Relations
Shobha Nair	International Sales
Shon Ramamurthy	Assistant Manager/Lead Engineer
Narain Madhavan	Xylem Innovation Lab Manager
Mahesh Kothiyal	Sr Marketing Manager - Water Utilities

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