



Alcove  
Partners

# HackAP AgriTech Hackathon

**HackAP – AgriTech**

**23 & 24 September 2023**

**AU Incubation Center (ā hub)**

[Alcove Partners](#), [AU Incubation Center](#) (ā hub) and [TiE Vizag](#) are happy to announce the sixth in the HackAP series of hackathons. The theme of the hackathon is AgriTech. Participating teams are expected to come in person to [ā hub](#) on 24<sup>th</sup> September to refine and demonstrate your solution.

We encourage participants to pick one of the following real-world problems and come up with a solution. You should be able to show a prototype or at least a detailed drawing/schematic of your proposed solution.

## **Problem statements:**

1. Water Conservation and Management: Create technologies or methods that optimize water usage in agricultural practices, ensuring efficient water conservation and minimizing water wastage.
2. Waste Reduction and Circular Economy: Implement solutions to reduce agricultural waste and promote circular economy principles by converting agricultural by-products into valuable resources.
3. Post harvest storage technology for perishable items - especially leafy vegetables and veggies packaging & storing
4. Post harvest protection from pests - Millets especially fox tail millet have high infestation with pests during storage.

5. Discolouration prevention: Cereals and millets discolouration due to high humidity
6. Jaggery discolouration prevention - Jaggery doesn't retain its shape and consistency and becomes sticky and liquefies
7. Agricultural Product Platform: Create a platform to connect farmers with buyers of agricultural products
8. Price Prediction: Develop a system to predict crop prices based on historical data and market trends
9. Pest and Disease Detection: Develop a method to detect pests and diseases in crops early on using artificial intelligence

For any questions, please contact: [auincubation.ahub@gmail.com](mailto:auincubation.ahub@gmail.com) or use the WhatsApp group (<https://chat.whatsapp.com/DltHWrTLHpJHOanOm7AX8e>). Please note that the WhatsApp group will only be open for discussion on the 23<sup>rd</sup> and 24<sup>th</sup> of September.

All the best.