
DISCOVER AGRICULTURE



discoveragriculture.com

13 January 2025

● discoveragriculture.com ●

Discover Agriculture

Background

Discover Agriculture is a YouTube channel that is dedicated to sharing knowledge and raising awareness about modern farming practices, sustainable agriculture, and innovative technologies. Created by Roshan Shetty (YouTuber/Creator) and Harshith Bhandary (Website Manager/Creator), the channel offers educational and entertaining documentaries to inspire and empower farmers worldwide.



Vision

1. To enhance awareness of farmers on critical factors in the selection of crops and cropping patterns.
2. To create an understanding of judicious use of natural resources such as soil and water.
3. Provide basic knowledge and education on seed and cropping systems.
4. To emphasize the importance of mechanization.
5. To sensitize the farmers on Good Agricultural Practices.

Key Focus Area

1. Educating farmers on crop selection, cropping patterns, and good agricultural practices.
2. Introducing data-driven smart farming powered by sensors, AI, and robotic technologies to improve productivity and sustainability.
3. Supporting the industry with innovative research and extension methods to transfer technologies from lab to land.

-
1. Wong Ya Jing A24CS0211
 2. Chia Thung Thung A24CS0060
 3. Abralyn Hoo Weng Yan A24CS0218
 4. Edwin Oo Ming Hao A24CS0245
 5. Yeoh Keng Wei A24CS0316

PRECISION FARMING

- Combining AI and IoT for precision farming techniques that target specific areas of a field.
- Helps conserve resources like water and fertilizer while maximizing crop yield.



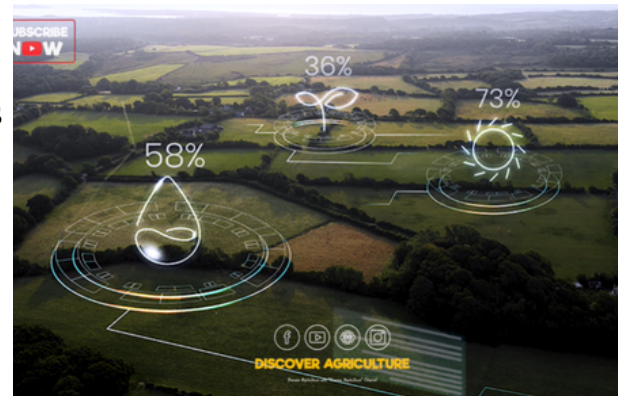
AUTOMATED MACHINERY

- Drones and robotic equipment are discussed as tools for planting, harvesting, and monitoring large farms.
- Reduces human labor and increases efficiency in operations.



PREDICTIVE ANALYTICS

- AI provides weather forecasts and crop predictions that help farmers plan ahead.
- Reduces risks and improves the chances of a successful harvest.



REFLECTION

This newsletter reflects the transformative potential of the core concepts: precision farming, automated machinery, and predictive analytics. By integrating AI, IoT, and robotics, it showcases how farmers can conserve resources, enhance efficiency, and reduce risks. These innovations represent a powerful shift toward smarter, more sustainable agricultural practices that empower farmers worldwide.

1. Wong Ya Jing A24CS0211
2. Chia Thung Thung A24CS0060
3. Abralyn Hoo Weng Yan A24CS0218
4. Edwin Oo Ming Hao A24CS0245
5. Yeoh Keng Wei A24CS0316