



## Smart Agriculture Projects

**Duration:** 2022 - 2034

**Host Institution:** DOST -Metals Industry Research and Development Center (MIRDC)

### Project Description

These are aligned with DOST's initiative in promoting smart technologies. These will help in advancing the Philippine agriculture system in our country by providing advance technologies that will support our agriculture/aquaculture industry.

- Transforming Philippine industries in the regions through advanced mechatronics and industrial automation technologies (Duration: 2022-2031)
- Application of Clean Energy System for productivity improvement of farms (Duration: 2022-2029)
- Optimization of Aquaculture systems using I4.0 technologies (Duration: 2022-2027)
- Enhancing Post-Harvest Processes using Smart Technologies (Duration: 2023-2027)
- Development of IoT solution for the improvement of farm management (Duration: 2027-2031)
- Application of IoT in urban and agri-tourism farms to efficiently adapt to changes in the environment (Duration: 2025-2034)

### Experts Needed

- Agricultural/Mechanical Engineering
- Industrial automation
- Acquaculture
- Smart farming
- IOT
- Green energy
- Renewable energy
- Electrical Engineering

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