4th ONLINE
INTERNATIONAL TRAINING PROGRAMME ON

ADVANCEMENTS IN AGRICULTURAL AND FOOD ENGINEERING IN INDIA

17th – 20th November 2026

AFRICAN-ASIAN RURAL DEVELOPMENT ORGANIZATION (AARDO)

Theme of the Programme

Advancement in Agricultural Technologies in India

Sponsoring Organization

African-Asian Rural Development Organization (AARDO)

Organizer/Training Institute

Indian Institute of Technology Kharagpur (IITKGP)

Duration

17th – 20th November 2026

Session Timings

13.30 to 16.30 hrs (IST GMT+5.30)

Deadline for Application

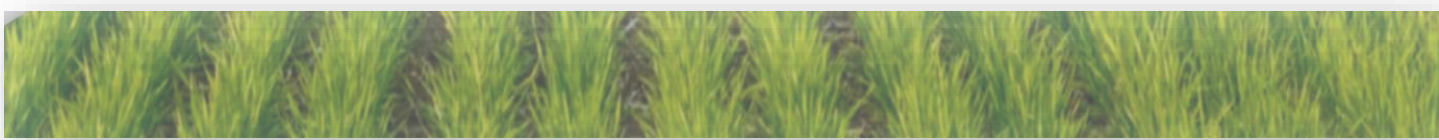
5th November 2026

INTRODUCTION

IIT Kharagpur, in collaboration with AARDO, aims to conduct a four days online international training program at Indian Institute of Technology Kharagpur from **17th – 20th November 2026.** The course is specially designed for the representatives of AARDO member countries, including the middle and senior-level executives from government departments, ministries, agriculture scientists, and engineers engaged in precision agriculture, especially mechanization. The course content will also emphasize policy formulation, and its proper implementation and planning for innovative and affordable technologies developed at IIT Kharagpur for the reduction of drudgery, and upliftment of the lifestyle of the rural population and help getting inside about the related policy making decisions.

BROAD COURSE COMPONENTS

- AI/ML and blockchain technology in agriculture.
- Electronics and automation in agricultural technologies.
- Mechatronics in Agriculture.
- Low and affordable technologies for Rural India.
- Developing Institutions for Rural Technologies.



OBJECTIVES

- Promote implementation of precision and sustainable Agriculture.
- Showcasing latest innovative affordable technologies of IIT Kharagpur
- Advocate agriculture efficiency attainment strategies and farm produce quality improvement .
- Promote innovative affordable rural technologies for improving the social economic status of rural communities.
- Developing policy framework for effective transfer of technologies to AARDO member countries.

PARTICIPATION

The training programme will be attended by experts, senior officials and individuals working in the relevant field in AARDO member countries. Resource persons from the host Institute (IIT KGP) and other institutions having rich experiences on the subject will be invited to share their experiences and expertise with the participants.

ESSENTIAL QUALIFICATIONS

- Bachelors Degree in Sciences/or its equivalent with a considerable working experience in planning and executing programmes related to the subject of the training;
- Must be subject enthusiast related to the programme.
- Must be willing to undertake an online training course.

MEDIUM OF COMMUNICATION

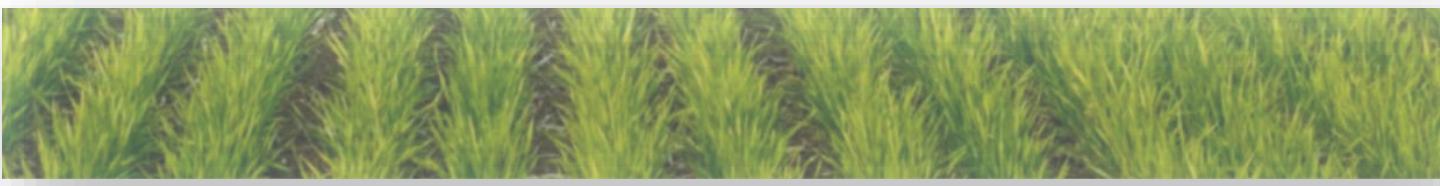
The medium of communication is English only. The participants are expected to have a good working knowledge of English.

CERTIFICATE

E-Certificate authenticated with the signature of H.E. Secretary General, AARDO, and IITKGP authorities will be provided after the successful completion of the training programme.

TENTATIVE SESSIONS

Day-1	17th November, Tuesday	AI/ML-based agriculture
Day-2	18th November, Wednesday	Modern food processing Industries
Day-3	19th November, Thursday	Challenges and Engineering aspects of Post-harvest processing of food
Day-4	20th November, Friday	Advanced aquacultural technologies



ABOUT THE ORGANIZING INSTITUTION (IIT KGP)

Indian Institute of Technology Kharagpur (IIT KGP), established in 1951, is the first IIT to be recognized as an Institute of National Importance by the Government of India. In 2019 it was awarded the status of Institute of Eminence by the Government of India. The institute was initially established to train engineers. However, over the years, the institute's academic capabilities diversified with offerings in management, law, architecture, humanities, etc.

Considering the importance of agriculture in ensuring food and nutritional security, the Agricultural Engineering department had been incepted at the Indian Institute of Technology, Kharagpur, in 1952 according to the recommendation of the Dhar committee appointed by the Board of Governors. Subsequently, with the upgradation of its academic programs, the department was re-christened as the Agricultural & Food Engineering department in 1994. IIT Kharagpur has the sole distinction of having an Agricultural & Food Engineering department, which comprises six disciplines Farm Machinery and Power, Land and Water Resources Engineering, Agricultural Biotechnology, Food Process Engineering, Agricultural Systems Management, and Aquacultural Engineering, respectively. Sponsored research projects and development activities dealing with Integrated Rainwater Management, Soil Tillage, Utilization of Fly ash, Ergonomic Database for Agricultural Equipment, Integrating Remote Sensing Data with Distributed Hydrological Models, Model Pilot Plant and koji room facilities for the production of industrial enzymes, etc. The department has filed several patent applications and transferred many technologies to industries and various stakeholders based on its innovative research.

PROGRAMME COORDINATOR

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STUDENT COORDINATOR

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