



4th ONLINE INTERNATIONAL TRAINING PROGRAMME ON ADVANCEMENTS IN AGRICULTURAL AND FOOD ENGINEERING IN INDIA

17th – 20th November 2026



**AFRICAN-ASIAN RURAL DEVELOPMENT
ORGANIZATION (AARDO)**

INTRODUCTION

Theme of the
Programme
**Advancements in
Agricultural and Food
Engineering 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

Technology has been a major contributing factor in how we live, communicate, travel, and interact in modern society. In India, where agriculture serves as the backbone of the economy, the sector is currently undergoing a massive transformation driven by digitization, smart engineering, and innovations in food technology. This programme aims at providing a platform for cross-regional cooperation, knowledge exchange, and the development of strategies to advance agricultural and food engineering in AARDO member countries. The course is specially designed for the representatives of AARDO member countries. It will focus on enhancing the capacity of stakeholders to implement innovative, sustainable, and technology-driven solutions in agriculture. This four-day online training program has been specially designed to sensitize the participants with advancement in agricultural and Food Engineering which could be key driver in the future sustainability and profitability of agriculture.

Emphasize will also be on 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.

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.

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.



HOW TO APPLY

- Step 1: Log on to the link: <http://aardo.org/formDD.php>
- Step 2: Fill up the details and submit. Take print out of the filled in application form.
- Step 3: :Applicants are required to sign their applications and send them along with the recommendation letter of the Nodal Ministry of AARDO/Centre of Excellence to our email: iec@aardo.org on or before 5th November 2026

SELECTION OF PARTICIPANTS

The participants of the training programme will be selected by jointly by AARDO and the host Institute.

WHATSAPP COMMUNICATION

WhatsApp communication will be established among the participants, host institute and AARDO for faster communication and information sharing.

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

Important Notes:

- Application without recommendation of the AARDO's Nodal Ministry/ Center of Excellence in participant's country will not be considered.
- Application, duly completed, must reach the AARDO Secretariat before or on the closing date, 05 November 2026.
- Due to limitation of number of participants, only selected candidates would be intimated through the Nodal Ministry and AARDO's Centres of Excellence.
- Selected candidates will be required to actively attend all the live sessions of e-training programme to be eligible to obtain e-certificates.



ABOUT AARDO

African-Asian Rural Development Organization (hereinafter referred to as “AARDO”) with its headquarters located at New Delhi, India is mandated to develop understanding among its members for better appreciation of each other’s problems and to explore, collectively, opportunities for coordination of efforts for the welfare and eradication of thirst, hunger, illiteracy, disease and poverty amongst rural people in the African-Asian region. The Organization comprises thirty-six (36) members, which include thirty-two (32) member countries namely, Burkina Faso, Egypt, Eswatini, Ethiopia, Gambia, Ghana, Kenya, Liberia, Libya, Malawi, Mauritius, Morocco, Namibia, Nigeria, Sierra Leone, Sudan, Tunisia and Zambia from Africa; and Bangladesh, Republic of China (Taiwan), India, Iraq, Jordan, Republic of Korea, Lebanon, Malaysia, Oman, Pakistan, Palestine, Sri Lanka, Syria and Yemen from Asia; besides, four (04) Associate Members namely, Economic and Social Development Centre (ESDC) from Palestine, EKITI Chamber of Commerce Industry, and Mines (EKITICIM) from Nigeria, Korea Rural Community Corporation (KRC) from Republic of Korea and the Agricultural Bank of Sudan (ABS) from Sudan.

AARDO is promoting South-South Triangular cooperation in the domain of agricultural and rural development. As such, AARDO is championing and advocating more science to rural societies for inclusive transformation of rural areas in Africa and Asia.

PROGRAMME COORDINATORS

Dr. Sanjeeb Kumar Behera

Head IEC Division

Email : sanjeebbehera@aardo.org

Mobile : +91 9810664507

Mr. Kamal Dhameja

Head PPP & CBDP Divisions

Email : kamaldhameja@aardo.org

Mobile : +91 8076448341



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

Dr. Gourav Dhar Bhowmick

Agricultural and Food Engineering Department
Indian Institute of Technology Kharagpur
West Bengal-721302, India
E-mail: gourav@agfe.iitkgp.ac.in

STUDENT COORDINATOR

Ahmad Faisal

Agricultural and Food Engineering Department
Indian Institute of Technology Kharagpur
West Bengal-721302, India
E-mail: faisalmib098@gmail.com

