



**“ADVANCED ENTREPRENEURSHIP AND SKILL
DEVELOPMENT PROGRAMME (ADVANCED E-SDP)
SCHEME TRAININGS OF MSMEs”**

**ADVANCED E-SDP ON
AGRO-INFORMATICS**

29 FEBRUARY- 05 MARCH 2024

Coordinators:

Prof. Amey Pathak

Prof. Somsubhra Chakraborty



Nodal Officer: Prof. Aditya Bandyopadhyay

Venue:

**Agricultural & Food Engineering Department, and
Computer and Informatics Centre (CIC), IIT Kharagpur**



ADVANCED E-SDP ON AGRO-INFORMATICS

29 FEBRUARY- 05 MARCH 2024



INTRODUCTION OF THE TRAINING PROGRAM

Agro informatics is an interdisciplinary field and combines with the subjects and areas of the Agricultural Sciences and Information Sciences.

A training program on “Agro-informatics” focus on the fundamental knowledge on Agro-informatics encompassing the sub-topics of geo-informatics applications in agriculture; applications of AIML in agriculture; data analysis with open-source software; proximal soil sensors; soil image analysis, and irrigation informatics.

This training also aims to bring together the professionals, and young entrepreneur to learn the advancements in agro-informatics and bring out the current trends and future prospects.

AGRICULTURAL & FOOD ENGINEERING DEPARTMENT, IIT KHARAGPUR





ADVANCED E-SDP ON AGRO-INFORMATICS

29 FEBRUARY- 05 MARCH 2024



TENTATIVE ADVANCED E-SDP SCHEDULE

Day 0 (AN): Registration and welcome of the participants at Agricultural and Food Engineering Department, IIT Kharagpur.

Day 1: General introduction to the Agro-informatics theme; Geo-informatics applications in agriculture (part-1); Hands-on training on open-source geospatial data analysis tools.

Day 2: Geo-informatics applications in agriculture (part-2); Hands-on training on Python and geospatial data analysis tools.

Day 3: Challenges and opportunities in Agro-informatics sector; Hands-on training application of AIML in agriculture (part 1)

Day 4: Soil sensors; AI-ML technology for soil analysis; Hands-on training application of AIML in agriculture (part 2)

Day 5: Sensors; Technological interventions in irrigation scheduling ; Hands-on training application of AIML in agriculture (part 3); Intellectual Property Laws in Agri-Tech



ADVANCED E-SDP ON AGRO-INFORMATICS

29 FEBRUARY- 05 MARCH 2024



PROGRAM DETAILS

Date of start: 29 February (AN) to 5th March 2024 (Tuesday)

Duration: One week (Five Working Days)

Target Group: Graduates looking for Entrepreneurship

Participation/ registration Fee: Nil

Venue: Agricultural & Food Engineering Department,
and CIC, IIT Kharagpur

Accommodation: will be provided at IIT Kharagpur

Visit CEP IIT Kharagpur portal for more detail

CONTACT:

PROF. AMEY PATHAK (CONVENOR),

EMAIL: AMEY@AGFE.IITKGP.AC.IN

PHONE: +91 7999614957

PROF. SOMSUBHRA CHAKRABORTY

EMAIL: SOMSUBHRA@AGFE.IITKGP.AC.IN

AGRICULTURAL & FOOD ENGINEERING DEPARTMENT, IIT KHARAGPUR