

(A) Theory

1) Smart Agriculture: The concept:

- Smart agriculture: Meaning, importance and application
- Precision Horticulture: The way forward
- Sharing field experience with smart Farm Management

2) Smart Technology and Smart Agriculture:

- Role of smart agriculture in generating income, livelihood and food security
- Health, nutrition and management of Vegetables
- The journey of bio-genomics for making crop-food generation intelligent and Productive

3) Climate-smart agriculture

- Making farmers climate literate and smart
- Post-harvest management in Horticulture: The reality and Prospect
- Data mining and planning for long term soil health management

4) Mobile telephony in Smart Agriculture:

- Mobile telephony in ushering smart agriculture and start-ups
- Intelligent pest monitoring, observation and planning
- IOT in intelligent agriculture

5) MIS in Intelligent Agriculture:

- Decision Support System (DSS) in Managing Coastal Ecosystem Informatics
- Smart management of pests and diseases in high value crops.

6) Digi-Smart Management:

- Upscaling of agri-hort management through drones
- IPR for Farmers' empowerment

7) Intelligent Management of Supply Chain for smart functioning of KVKs

- Role of SCM in KVK functioning
- Medicinal and Aromatics in Smart Healthcare: The way forward
- Floriculture for commerce and aesthetics

Farming

- Analysis, Interpretation and modelling for transforming enterprise ecosystem
- The future of genetics for redefining agricultural sustainability

9) Smart Management

- Geo-tagging for smart agriculture
- Soft skills for problem-solving and negotiation
- Evaluation and Valedictory Session

(B) Practical

Demonstration in the labs and Central Library, BCKV.

(C) Field visit

Demonstration of experiments in the fields, BCKV.

Who can participate in this Short Course: This course is basically meant for young researchers/scientists working in SAU's and research institutes, who are involved in crop improvement programme. 25 participants will be selected for the Short Course absolutely on merit basis.

REGISTRATION FEE PAYMENT DETAILS

Bank name - Punjab National Bank

Account No: 0759200100003902

IFSC: PUNB0075920

Clearly indicating as "ICAR Short Course Registration Fee, 26"



10 DAY SHORT COURSE [Sponsored by ICAR]

ON

**"Smart Agriculture and Way Forward:
New Age Technologies in Agriculture"**



27 February to 09 March 2026

**Bidhan Chandra Krishi Viswavidyalaya
Mohanpur, Nadia, West Bengal 741252**



ADVISOR

Prof S. K. Acharya

COURSE COORDINATOR

Prof. Nirmal Mandal, BCKV

CO COORDINATORS

Dr. Md. Nasim Ali, BCKV

Dr Saikat Gantait, BCKV

DATE AND VENUE

The Short Course will be organised during 27 February to 09 March 2026, at the Farmers' Academy and Convention Centre (FACC-Lake Hall), BCKV, Kalyani, Nadia, West Bengal 741235

- ♣ Applicants will be selected on first come first served basis. However, the candidates need to fulfill certain basic criteria.
- ♣ Participants, other than local candidate(s), will be provided with food and accommodation at FACC, Kalyani, Nadia, West Bengal 741235.
- ♣ A duly filled-in application may be sent to the Course coordinator by 15 January 2025 along with a Registration Fee of Rs. 50 (Non-refundable)

Important Dates

- ♣ Last date for receipt of application: **15 January 2026**
- ♣ Intimation to selected candidates: **01 February 2026**
- ♣ For more information, contact to: **Prof. Amit Baran Sharangi, BCKV, Mohanpur, Nadia, West Bengal 741252, Mobile: +91-7003747506**
- ♣ Other important contact numbers:
 - Short Course**
 - Prof S.K.Acharya (+91-9674419142), Prof Nirmal Mandal (+91-9432280086), Dr Saikat Gantait (+91-8337076385)
 - Accommodation**
 - Dr Md Nasim Ali (+91-9749158485)
 - Food**
 - Dr Kusal Roy (+91-6290183112)
 - Transport**
 - Dr Rajib Kundu (+91-9088625988)
 - Paying Regn Fee**
 - Dr Mrinal Karmakar (+91-9836859259)

ICAR- Sponsored 10 Day Short Course

on

“Smart Agriculture and Way Forward: New Age Technologies in Agriculture”

27 February to 09 March 2026

Bidhan Chandra Krishi Viswavidyalaya
Mohanpur, Nadia, West Bengal 741252

Format for the application (Type or write in capital letters)

Name (Dr./Mr./Ms.):.....

Name of the organization:.....

Date of birth:.....

Designation/Occupation:.....

Area(s) of specialization:.....

Research topic:.....

Years of experience:.....

Accommodation required: (Yes/No):..... Veg / Non Veg:.....

Address for correspondence:.....

.....

Mobile no.:.....

Email ID:.....

Signature of applicant:.....

Recommendation

Head of the organization:.....

Signature & seal:.....

The participants can submit a scan copy to the email ID: sharangi.amitbaran@bckv.edu.in at the earliest and also send the signed hard copy of the Application Form addressed to Prof. Amit Baran Sharangi, BCKV, Mohanpur, Nadia, West Bengal 741252, Email: sharangi.amitbaran@bckv.edu.in Mobile: +91-7003747506, through proper channel.

The university, established in 1974, has completed four decades of its existence as the pioneer institute of Agricultural Education, Research and Extension. The main objective of this Viswavidyalaya is to provide facilities for the study of Agriculture, Horticulture and Agricultural Engineering. It is also to conduct researches in these sciences and undertake the educational and extension programmes in agriculture among the rural clientele base, keeping in view the requirements of the state.

Details of the Venue: Farmers' Academy & Convention Centre (FACC), previously known as Lake Hall is situated in the south eastern side of Kalyani municipality office, Kalyani Court, Kalyani Stadium and Kalyani Lake. The Kalyani is situated at 22°57' N latitude and 88° 20' E longitudes with an altitude of 9.75 m above mean sea level. It is 50 km from the Netaji Subhas Chandra Bose Airport, Kolkata and same distance from Howrah / Sealdah Railway Station, Kolkata. From Bandel Railway Station (Howrah main line) it is only 20 km while from Kalyani Railway Station (Sealdah main line) only 3 km. Temperature is moderate. Maximum 28° Celsius and Minimum 10° Celsius. Climate is comfortable neither too cool nor too hot. Simple woollen garments are enough.

Aims/ Objectives of the Short Course: The main objective is to train the research community (scientists from SAUs, ICAR and other research institutes) to know and reciprocate the modern concepts and tools on smart farming, conduct scientifically rigorous experiments and develop novel ideas, products, technologies related to the discipline in the context of changing global landscape, socioeconomic and demographic niche areas and aiming to sustainable food production with a focus to climate resilience.

