

Proforma for submitting proposal (5 copies) for organization of Summer/Winter School and Short Courses in frontier and specialized areas of agriculture and allied sciences (2025-26)

1. Topic of Summer/Winter School and Short Course.
2. Serial number of suggestive topic/subject area in which the topic falls:
3. Venue with full postal/e-mail address and office phone/fax numbers:
4. Tentative dates (From -to):
5. Eligibility qualification for the participants of the Training programme
 - i) Master's Degree and
 - ii) Working not below the rank of Assistant Professor and equivalent in the concerned subject under Agricultural University/I.C.A.R. Institute.
6. Information regarding proposed Director of Summer/Winter School and Short Courses, (enclose biodata clearly bringing out the specific qualification, experience and scientific contribution of the Course Coordinator in the proposed topic):
7. Faculty strength in Department (Assistant Professor, Associate Professor and equivalent):
8. Information regarding other academic staff of the host Institute who are likely to be used as resource persons:
9. Specific facilities available for conducting the Summer/Winter School and Short Courses such as laboratory equipment's/instruments, research farm, library, classroom guesthouse etc.:
10. Programmes/Projects and achievements in the area of special topic proposed for Summer/Winter School and Short Courses:
11. Schedule of daily lectures/practical topics to be covered and name of the faculty proposed to be engaged during the SWS/Short Course:

Sl.No.	Date/Day	Topic of Lecture/Practical	Name & DesignationOf Speaker

12. Name of the Summer/Winter School and Short Courses organized, if any during the last three years, Whether UC/AUC was sent:
13. Signature of the Director of the Summer/Winter School and Short Courses (With Official Seal):
14. Remark and recommendation by the head of the host institution for organization of the Summer/Winter School and Short Courses:
15. Signature of the Head of the Institution (With Official Seal)

EDUCATION DIVISION
UTTAR PRADESH COUNCIL OF AGRICULTURAL RESEARCH, LUCKNOW

List of Topics for UPCAR's Summer/Winter School and Short Courses for the Year 2025-26

S.N.	Topic/Subject Area	S.N.	Topic/Subject Area
1.	Advances in Micro-irrigation for improving water use efficiency and productivity	34.	Molecular mapping of genomes and genes/QTL, Advances in molecular
2.	Advance in molecular epidemiology	35.	Nano-technology and plant disease management
3.	Agri-businesses and market intelligence	36.	Pest risk analysis research as support to domestic quarantine system
4.	Advance in fish health management for enhancing fish productivity	37.	Phenotyping and phenomics agriculture
5.	Agroforestry options for live hood and diversity	38.	Physiological approaches to phytoremediation: advances, impact and prospects
6.	Approach's for doubling Farmer's income	39.	Power generation from New and Renewable Energy sources
7.	New Extensive Education, ARYA, Farmers first and MGMG	40.	Processing value addition and waste utilization technologies for natural fibres
8.	Antimicrobial resistance to animals and its impact on human health	41.	Recent development in conservation technology in Animal Genetic Resources
9.	Bio processing/food processing / pecking/product marketing	42.	Recent developments in organic production systems
10.	Bio-fortification of stable food crops	43.	Recent developments in climate change and watershed hydrology
11.	Culturing techniques for bio-fertilizer and bio-pesticide	44.	Secondary Agriculture
12.	Conservation of Indigenous breeds in their respective traits	45.	Stem cell technologies for clinical application
13.	Climate change adaption and migration strategies through agroforestry systems	46.	CAD & CAM for designing of agricultural machinery
14.	Communication and Management skill for extensional professional	47.	Precision Agriculture
15.	Emergence of new Disease in globalized world	48.	Agricultural Education, Entrepreneurship and skill development
16.	Enhancing water productivity in scarcity zones	49.	Agricultural statistical tools and measures
17.	Entrepreneurship through agro-processing centres	50.	Bio-safety, bio security and intellectual property rights related to PGR
18.	Environmental pollutants & food quality standards	51.	. Proteomics in Crop Plants
19.	Exploitation of underutilized vegetables/fruits	52.	Handling new generation Sequencing Based Transcriptome and Genome data of plants
20.	Farmers empowerment and entrepreneurial development	53.	Biotechnological and conventional! tools for biotic and abiotic stress management in sugarcane
21.	Gender mainstreaming and gender budgeting	54.	Allele mining and bioinformatics in fisheries for trait improvement and conservation
22.	HACCP, value addition & quality	55.	Bio-active compounds from Marine

S.N.	Topic/Subject Area	S.N.	Topic/Subject Area
	standard in fish products		organisms: A wealth of novelties and opportunities
23.	increasing fish production through reservoir fisheries and cage-culture	56.	GIS and remote sensing
24.	Impact of climate change on production of livestock and poultry	57.	Recent advances in inland and marine fisheries culture and capture technologies
25.	Spatial Decision support systems for Watershed Management	58.	Health foods 26. Innovations in educational technology
26.	Innovations in educational technology	59.	Minimizing Post-Harvest Crop losses ,l ICT in Agriculture
27.	ICT in Agriculture	60.	Advance in Renewable Energy Sources
28.	Renewable Energy for Environmental protections and Energy Conversation	61.	Present State Art technology for processing, Value addition
29.	Technologicaladvances tominimize post-harvest losses and generate wealth out ofwaste in fisheries	62	Digital solutions for enhancing agriculture output
30.	Methods and techniques for testing and evaluation of safety,offood and agricultural products for human consumptions	63.	Artificial intelligence and machine learning
31.	Insecticide resistance management strategies	64.	Big data Analyses
32.	Machinery for conversations agriculture and crop residue management	65.	Smart Agriculture & way forward
33.	Molecular approaches in disease diagnostics and vaccines	66.	Conversation Agriculture and Specialty Agriculture

Annual Budget for Sponsoring Summer/Winter Schools and Short Courses in SAU's/ Agricultural Colleges of Uttar Pradesh

U.P. Council of Agricultural Research is going to sponsor for summer/winter schools and short courses /training programs in SAU's/ Agricultural Colleges of Uttar Pradesh four 08 days program for summer and four 10 days program for winter on focused thematic topics of different disciplines of agriculture and allied sciences.

The main objective of the organizing training programs is to provide an in-service opportunity to teachers, research workers and specialists working in SAU's/ Agricultural Colleges and to update their knowledge and skills in order to keep abreast with the the latest developments in the specialized/ emerging areas of agricultural and allied sciences. It will bring about the qualitative improvement and to update teachers, researchers, extension specialists in the latest knowledge and techniques in the field of their specialization.

Objective: The scheme of summer/winter schools and short courses is initiated by the council with the following objectives:

- I. To expose the participants to new knowledge that may have accumulated in the subject of the area concerned.
- II. To provide a platform for instructional programme in specialized area of interest, which normally is not offered through the prescribed curriculum for academic degrees.
- III. To refresh their concept of basic sciences that are relevant to the understanding of new scientific knowledge earned in their subject.
- IV. To provide an opportunity for decision and exchange of ideas to specialists /teachers in the same field with a view to increase contact and thus to develop understanding of each other's achievements and problems.
- V. To provide an opportunity to the participants to be exposed to specialized technique of teaching or research and also to participate for themselves on an experimental basis.
- VI. To foster inter-institutional co- operative research /teaching projects.

Budget: Annual budget for sponsoring summer/winter schools and short courses (08 in a year) in SAU's/ Agricultural Colleges of Uttar Pradesh is **Rs. 23,28,000/-** (Rs. $2,73,500 \times 4 + 3,08,500 \times 4 = 23,28,000/-$). Details of the financial norms are given in Table 1&2.

Table No.: 1. Financial Norms for the conduct summer/winter schools and Short Courses for 08 days

No. of Participants: 25

S. No.	Item of Expenditure	Cost Norms (08 days)
1.	Boarding and Lodging: <ul style="list-style-type: none"> Facilities for wholesome meals and refreshments to be made available by the Institutional Head in keeping with the local conditions, Local participants are not eligible for boarding and lodging, however, local hospitality i.e. working lunch, tea, etc. to be provided subject to a limit of Rs. 100/- per participant per day, Participants are to be provided accommodation, free of cost, in the Institutional Guest House/Hostel. 	Rs 1,00,000/- @Rs. 500/- per participant per day
2.	Travel: The participants will be paid for the journey, to and fro, restricted to AC-II-tier train fare or bus or any other means of transport in vogue, as the case may be, Actual TA is to be paid normally on production of a certificate by the participants. TA may be paid from the place of duty to the Summer/Winter School/Short Course location and back by the shortest route.	Rs. 1,00,000/-
3.	POL including hiring of vehicle for field trips incase of non-availability of institute vehicle	Rs. 12,500/- (Rs 500/- per participant with a total of Rs. 12,500/- for 25 participants)
4.	Stationery and supply of supportive print & electronic literature, books, misc. contingences, cost of detailed report etc.	Rs. 15,000/- (Rs 600/- per participant @ Rs 200/- per participant for stationery and supply of supportive print & electronic literature, books, CDs, Micro SD card)
5.	Honorarium to Academic Staff Honorarium for Course Director, Core Academic Staff (four additional staff), other lecturers with maximum of two lectures per person.	Rs. 16,000/- (Director: Rs. 2500/-, Core Staff: Rs. 1500/- ,Per Lecture: Rs. 1000/-)
6.	Resource Person's TA : Only for local travel	Rs. 10,000/- (Rs 2000/- @ Rs 1000/- per speaker per day for an average of 2 guest speakers per day for 5 days i.e. 2000*5 = Rs. 10,000/-) However this amount will be paid as per actual approved rates of transport deptt. of the state.
7.	Resource Person's TA : Outstation Travel	Rs. 15,000 (Rs 15,000/- @Rs. 5000/- per expert upto three experts)

S. No.	Item of Expenditure	Cost Norms (08 days)
8.	Miscellaneous and Contingencies	Rs. 5,000/-
9.	Total amount	Rs. 2,73,500/-

Table No.: 2. Financial Norms for the conduct summer/winter schools and Short Courses for 10 days

No. of Participants: 25

S. No.	Item of Expenditure	Cost Norms (10 days)
1.	Boarding and Lodging: <ul style="list-style-type: none"> Facilities for wholesome meals and refreshments to be made available by the Institutional Head in keeping with the local conditions, Local participants are not eligible for boarding and lodging, however, local hospitality i.e. working lunch, tea, etc. to be provided subject to a limit of Rs. 100/- per participant per day, Participants are to be provided accommodation, free of cost, in the Institutional Guest House/Hostel. 	Rs 1,25,000/- @Rs. 500/- per participant per day
2.	Travel: The participants will be paid for the journey, to and fro, restricted to AC-II-tier train fare or bus or any other means of transport in vogue, as the case may be, Actual TA is to be paid normally on production of a certificate by the participants. TA may be paid from the place of duty to the Summer/Winter School/Short Course location and back by the shortest route.	Rs. 1,00,000/-
3.	POL including hiring of vehicle for field trips incase of non-availability of institute vehicle	Rs. 12,500/- (Rs 500/- per participant with a total of Rs. 12,500/- for 25 participants)
4.	Stationery and supply of supportive print & electronic literature, books, misc. contingences, cost of detailed report etc.	Rs. 15,000/- (Rs 600/- per participant @ Rs 200/- per participant for stationery and supply of supportive print & electronic literature, books, CDs, Micro SD card)
5.	Honorarium to Academic Staff Honorarium for Course Director, Core Academic Staff (four additional staff), other lecturers with maximum of two lectures per person.	Rs. 16,000/- (Director: Rs. 2500/-, Core Staff: Rs. 1500/- ,Per Lecture: Rs. 1000/-)

S. No.	Item of Expenditure	Cost Norms (10 days)
6.	Resource Person's TA : Only for local travel	Rs. 18,000/- (Rs 2000/-@ Rs 1000/- per speaker per day for an average of 3 guest speakers per day for 6 days i.e. 3000*6 = Rs. 18,000/-) However this amount will be paid as per actual approved rates of transport deptt. of the state.
7.	Resource Person's TA : OUTSTATION TRAVEL	Rs. 15,000/- (Rs 15,000/- @Rs. 5000/- per expert upto three experts)
8.	Miscellaneous and contingencies	Rs. 7,000/-
9.	Total amount	Rs. 3,08,500/-