



**UP Council of Agriculture Research Sponsored
Ten Days Summer Training Programme
on
“Advanced Geospatial Technologies for Carbon
Accounting and Digital Soil Mapping”
September 15 – 24, 2026**



Organized by
Department of Soil Science,
College of Agriculture
&
Department of Soil & Water Conservation
Engineering, College of Technology

Sardar Vallabhbhai Patel University of
Agriculture and Technology,
Meerut-250110 (U.P.)
<https://www.svpuat.edu.in>

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How to reach, SVPUA&T, Meerut

Sardar Vallabhbhai Patel University of Agriculture & Technology (SVPUAT), Meerut is situated at Modipuram, approximately 12 km north of Meerut City on the Delhi–Dehradun National Highway. The university is well connected by road, rail, and air, making it easily accessible from major cities across India.

The nearest railway stations are Meerut Cantt (MUT), located about 5–8 km from the university, and Meerut City Junction (MTC), approximately 10–12 km away. Regular taxi, auto-rickshaw, e-rickshaw, and city bus services are available from both railway stations to the university campus.

The nearest international airport is Indira Gandhi International (IGI) Airport, New Delhi, located approximately 80–100 km from the campus. The university can be reached conveniently by taxi, bus, or the Delhi–Meerut Namo Bharat (RRTS) corridor connecting Delhi with Modipuram.

About the training

The **10-Day Summer School on "Advanced Geospatial Technologies for Carbon Accounting and Digital Soil Mapping"** aims to enhance participants' knowledge and practical skills in the application of **Remote Sensing (RS), GIS, Artificial Intelligence (AI), Machine Learning (ML), and Google Earth Engine (GEE)** for carbon accounting and digital soil mapping. The programme covers soil organic carbon assessment, digital soil mapping, carbon stock estimation, geospatial data analysis, and AI-driven spatial modelling through expert lectures, hands-on laboratory sessions, field demonstrations, and case studies. The training is designed for **scientists, faculty members and professionals**, enabling them to apply advanced geospatial technologies for climate-smart agriculture, sustainable land management, and carbon monitoring.

Subject areas covered

- Fundamentals of Remote Sensing, GIS
- Satellite Data Sources and Image Processing
- Google Earth Engine (GEE) for Geospatial Analysis
- Digital Soil Mapping (DSM) Techniques
- Soil Organic Carbon (SOC) and Carbon Stock Estimation
- Carbon Accounting and MRV Frameworks
- AI and Machine Learning Applications in Geospatial Analysis
- Open-Source Geospatial Tools and Decision Support Systems
- Hands-on Practical Sessions and Field Demonstrations
- Project Submission & Certification

Weather

During **September**, Meerut experiences **warm and humid monsoon weather** with occasional rainfall. The average temperature generally ranges between **25°C and 34°C**, providing favorable conditions for field demonstrations and outdoor activities. Participants are advised to carry light cotton clothing, an umbrella or raincoat, and comfortable footwear.

About SVPUA&T, Meerut

Sardar Vallabhbhai Patel University of Agriculture & Technology (SVPUAT), Meerut was established on 2nd October 2000 under Uttar Pradesh Agriculture University Act (revised) 1958 gazette and notified vide 3204A/X12-8-2000. It was inaugurated on 28th March 2002 by the Honorable Chief Minister of Uttar Pradesh. It is recognized and funded by U.P. Govt. & ICAR, Govt. of India. It is included in the list of recognized Universities maintained by the University Grants Commission (UGC), Govt. of India. The U.P. Government has given the responsibility of all around development of the agriculture and rural community in its four divisions i.e Saharanpur, Meerut, Moradabad and Bareilly which consists of 15 districts i.e Saharanpur, Muzaffargarh, Meerut, Gautam Buddha Nagar, Ghaziabad, Bulandshahr,

Baghpat, Bijnor, Jyotiba Phule Nagar, Moradabad, Rampur, Bareilly, Pilibhit, Baduan and Shahjahanpur. The University offers Undergraduate (UG), Postgraduate (PG), and Doctoral (Ph.D.) programmes in Agriculture and other allied disciplines. SVPUAT places strong emphasis on quality education, cutting-edge research, technology development, innovation, and farmer-oriented extension programmes for sustainable agricultural development.

Travel and Accommodation

The participants will be paid for the journey, to and from, 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 Short Course location and back by the shortest route. Participants are to be provided with accommodation, free of cost, preferably in the Institutional Guest House/Hostel.

How to apply

Interested participants are requested to register for the training programme through **Application form and subsequently filling the Google Form link provided below**. Applicants must carefully fill in all required details. After successful submission of the form, a confirmation message will be shared with the registered participants through email or mobile. The registration link for the Google Form has been provided below:

https://docs.google.com/forms/d/e/1FAIpQLSf0_vvqU0YwsWebxSttym9plx7WfaUgUEcTE0FyuGT0eDce5g/viewform?usp=publish-editor

In case of any inconvenience faced, the duly filled form can be sent through email id of directors. A maximum of 25 participants will be selected for the course by the screening committee. Participants are advised to complete the registration at the earliest, as seats are limited and confirmation will be preferably based on a first-come, first-served basis. The selection of the participants will be conveyed to the applicants

through e-mail. In case of any query, please contact Course Director or Course Co-Director. The selected candidates will have to confirm their participation latest by **25/08/2026**.

Eligibility

Master Degree in Agriculture Sciences or allied disciplines and working professionals not below the rank of Assistant Professor/ Scientist/ SMS working in ICAR/ Central Govt. Institutes/ SAUs/ Agricultural Colleges. The list of Participants will be finalized by the Screening Committee and this cannot be challenged.

Important dates:

- Last date for receipt of duly forwarded application: **20/08/2026**.
- Intimation of selection: **22/08/2026**.
- Confirmation by candidates: **25/08/2026**.

Places to visit:



Application Form

UPCAR Sponsored Ten days Summer School Training Programme

on

Advanced Geospatial Technologies for Carbon Accounting and Digital Soil Mapping

(September 15 – 24, 2026)

Sardar Vallabhbhai Patel University of Agriculture & Technology (SVPUAT),

Meerut-250110 (U.P.)

1. Name of the candidate :
2. Designation :
3. Area of specialization :
4. Date of birth :
5. Gender :
6. Category (GEN/ OBC/ ST/ SC) :
7. Full official address :
8. Phone no :
9. Email id :
10. Experience in Teaching/ Research/ Extension :

Declaration by the candidate

This is to certify that the information furnished in the application is correct to the best of my knowledge

(Signature)

Name

.....

For use by the forwarding authority

Application of Shri/ Ms/ Dr..... is recommended and forwarded to participate in the 10 days summer school training programme on “Advanced Geospatial Technologies for Carbon Accounting and Digital Soil Mapping”, organized by **Sardar Vallabhbhai Patel University of Agriculture & Technology (SVPUAT), Meerut-250110, Uttar Pradesh** from September 15 – 24, 2026.

Date:

Name:

Designation:

Signature