



कृषि अभियांत्रिकी एवं कटाई उपरांत प्रौद्योगिकी महाविद्यालय
(केंद्रीय कृषि विश्वविद्यालय, इम्फाल)
रानीपुल, गान्तोक - 737135 (सिक्किम)
College of Agricultural Engineering & Post Harvest Technology
(Central Agricultural University, Imphal)
Ranipool, Gangtok - 737 135 (Sikkim)

One Year Certificate Course on 'Remote Sensing and GIS'

Department of Soil & Water Conservation Engineering (SWCE),

College of Agricultural Engineering & Post Harvest Technology (CAEPHT)

(A Constituent College of CAU, Imphal),

Ranipool- 737135 Sikkim, India

Admission Notice

CAEPHT/CC-RS & GIS/2025-26/ Dated 02/06/2026: Application forms are invited for admission into the Self-sponsored One Year Certificate Course on 'Remote Sensing and GIS' at the CAEPHT, Ranipool- 737135 (Sikkim). The Course will commence from July 15, 2026. The last date for receipt of applications is July 05, 2026. The details about the eligibility criteria, fee structure, course details and application form can be downloaded from the university website (www.cau.ac.in).



कृषि अभियांत्रिकी एवं कटाई उपरांत प्रौद्योगिकी महाविद्यालय
(केंद्रीय कृषि विश्वविद्यालय, इम्फाल)
रानीपुल, गान्तोक - 737135 (सिक्किम)
College of Agricultural Engineering & Post Harvest Technology
(Central Agricultural University, Imphal)
Ranipool, Gangtok - 737 135 (Sikkim)

Semester-wise Distribution of Courses and Credits

Semester-I

Course Code	Title	Credits
CCR 111	Fundamentals of Surveying, Geomorphology & Cartography	3+0
CCR 112	Principles of Remote Sensing	3+0
CCR 113	Fundamentals of GIS	3+0
CCR 114	Remote Sensing I (Practical)	0+3
CCR 115	GIS Analysis I (Practical)	0+3
CCR 116	Cartography & Surveying (Practical)	0+3
Total		(9+9) 18

Semester-II

Course Code	Title	Credits
CCR 121	Advances in Remote Sensing and GIS	2+1
CCR 122	Digital Image Processing	3+0
CCR 123	Remote Sensing and GIS Applications	0+2
CCR 124	Remote Sensing II (Practical)	0+2
CCR 125	GIS Analysis II (Practical)	0+2
CCR 126	Project/ Dissertation*	0+6
Total		(5+13) 18
Grand Total of Credits		(14+22) 36

[*to be submitted 35-45 days after the last theory/ practical examination whichever is later, but 15 days before the end-term examination date]



कृषि अभियांत्रिकी एवं कटाई उपरांत प्रौद्योगिकी महाविद्यालय
(केंद्रीय कृषि विश्वविद्यालय, इम्फाल)
रानीपुल, गान्तोक - 737135 (सिक्किम)
College of Agricultural Engineering & Post Harvest Technology
(Central Agricultural University, Imphal)
Ranipool, Gangtok - 737 135 (Sikkim)

COLLEGE OF AGRICULTURAL ENGINEERING & POST HARVEST TECHNOLOGY
(A Constituent College of Central Agricultural University, Imphal)
RANIPOOL- 737 135, SIKKIM, INDIA



APPLICATION FORM

For Admission to One Year Certificate Course in Remote Sensing & GIS

2 Copies of passport
size photograph
to be attached.
& one photo
to be pasted here

(To be filled in by the office)

Sl. No. of form:

Admission No. /CCRS/26-27

Date of receipt:

The filled in application form must reach the Dean, College of Agricultural Engineering and Post Harvest Technology, Ranipool, East Sikkim on or before 05

1. Name of applicant in full (**Block letters**) :
..... (Surname to be underlined)

a) Father's name (in full) : _____

b) Mother's name (in full) : _____

2. Address (**Block letters**)

a) Permanent Home Address : _____

Pin Code :

Ph. No. (If any):



कृषि अभियांत्रिकी एवं कटाई उपरांत प्रौद्योगिकी महाविद्यालय
(केंद्रीय कृषि विश्वविद्यालय, इम्फाल)
रानीपुल, गान्तोक - 737135 (सिक्किम)
College of Agricultural Engineering & Post Harvest Technology
(Central Agricultural University, Imphal)
Ranipoal, Gangtok - 737 135 (Sikkim)

b) Mailing Address : _____

Pin Code :

Ph. No. (If any):

3. Aadhar Number : _____

4. Birth details:

a) Date of birth : _____

b) Place of birth : _____

c) District : _____

d) State : _____

e) Rural/Urban area : _____

f) Country : _____

g) Religion : _____

5. Nationality:

a) Country of citizenship : _____

b) Whether by birth or by domicile : _____

c) State to which you belong to : _____

d) If candidate from foreign country,

Whether sponsored or recommended by the Embassy of the concerned country in India, and/or Govt. of India : _____

6. Category (GEN/ OBC/ SC/ ST) : _____

7. Marital status (Married/un-married) : _____

8. Are you being sponsored or recommended by any State Govt./ICAR etc.

_____ (Yes or No)



कृषि अभियांत्रिकी एवं कटाई उपरांत प्रौद्योगिकी महाविद्यालय
(केंद्रीय कृषि विश्वविद्यालय, इम्फाल)
रानीपुल, गान्तोक - 737135 (सिक्किम)
College of Agricultural Engineering & Post Harvest Technology
(Central Agricultural University, Imphal)
Ranipool, Gangtok - 737 135 (Sikkim)

a) If Yes, name and address of the sponsoring/recommending authority

b) Term of sponsorship/recommendation: _____

9. Languages known (Mark by \checkmark):

Language	Read	Write	Speak
Add rows			

10. Academic particulars from Matriculation onwards:

Examination passed	Name of the Board/University	Year of passing	Division/Class	% of Marks	Subjects offered
Add rows					

11. Computer Proficiency (Yes/ No):

Name of the Course	Board/ Institute	Year	Division	% of Marks	Subjects undertaken
Add rows					

12. Have you ever been employed in any agency/Govt. Organisation _____ (Yes / No) If Yes, give the following particulars:

Name of the employer	Post held	Temporary / Permanent	Date of joining	Date of leaving	Nature of duties
1	2	3	4	5	6

13. State any other relevant particulars, which you like to mention but have not been covered above:

14. Declaration by the applicant:

I do hereby declare that the particulars given in this application are true and complete and that I have not hidden any fact, which may debar me from getting admission. If admitted, I shall abide by the Rules and Regulations of the College/Hostel/University and promise not to take part in any subversive activities in contravention of law and order.



कृषि अभियांत्रिकी एवं कटाई उपरांत प्रौद्योगिकी महाविद्यालय
(केंद्रीय कृषि विश्वविद्यालय, इम्फाल)
रानीपुल, गान्तोक - 737135 (सिक्किम)
College of Agricultural Engineering & Post Harvest Technology
(Central Agricultural University, Imphal)
Ranipoal, Gangtok - 737 135 (Sikkim)

Date: _____

Signature of the applicant

Place: _____

Please Note: No application shall be considered:

- i) If not received within the specified date or not duly filled in or signed by the applicant and the guardian.
- ii) If self-attested copies of certificates / testimonials / mark sheets etc. do not accompany the application.
- iii) If original certificates and other documents are not produced at the time of interview/ examination/ admission.

One Year Certificate Course in I “Remote Sensing (RS) and Geographic Information System (GIS)”



**College of Agricultural Engineering
and Post Harvest Technology**

(Central Agricultural University Imphal)

Ranipool- 737135, Sikkim, India

INTRODUCTION

Remote Sensing technology offers efficient tools for Earth and planetary observations, feature extraction and monitoring of the surface processes in spatio-temporal domain. Improved awareness on geospatial technologies coupled with in-situ observation techniques have started contributing significantly in the management, planning and decision-making processes of various developmental projects.

Creating industry-ready students who shall remove gaps between academic institutions and industries seeking the human resource with the applied knowledge of RS & GIS was the driving force behind this one-year certificate course. RS & GIS has tremendous scope for job creation. Academic degrees with applied know-how is the need of the hour to create job opportunities in the specific areas of expertise like applications of RS & GIS which are, presently, in abundance and can be judged by the fact that there is hardly any industry-field left untouched by the advent of RS & GIS. Industry-ready HRD who will effectively contribute to the success of industry shall best be created by the fusion of proper basic concepts, hands-on of various software, field-work, etc. The practical demands of the industry can be fulfilled by creating well-prepared

HRD via academia-industry collaboration.

In the above context, this one-year course shall pave the way for job creation in the NEHR of India as this region has a good scope for industry development that is visible through the fact that many industries are eyeing this region for their expansions.

ABOUT THE COURSE

This Certificate Course shall be offered with the broad subjects of:

1. Fundamentals of Remote Sensing
2. Fundamentals of Geographic Information System
3. GNSS and GPS Applications
4. Fundamentals of Surveying
5. Digital Image Processing
6. Cartography and Map Design

AIM OF THE COURSE

The aim of the course is to provide in-depth theoretical as well as practical understanding of the remote sensing principles, satellite image and data processing and interpretation, GIS and GNSS technologies. Further, the applications of these technologies in Natural Resource Management, Agriculture, Geology, Forestry etc. would be covered with more emphasis on practical exposure and hands-on practices. A short project of 3-months duration shall be part of the curricula so that the students would get exposure to live projects

and also for consolidation of the acquired knowledge.

COURSE DURATION AND STRUCTURE

The course is of one-year duration comprising of two semesters of six months each. The first semester is common to all the participants, which shall deal with Geospatial Technologies focusing on Fundamentals of Remote Sensing & Photogrammetry and Basics of GIS. In the second semester, the participants will be exposed to application of geospatial technologies in their respective specialisations. Participants will carry out a pilot project during the second semester.

TARGET PARTICIPANTS

The course shall target the graduates, post-graduate and Ph.D. holders as well as working professionals who are interested to learn and apply the RS and GIS technology in their respective fields. Working professionals should get NOC from their employers before joining the course.

ELIGIBILITY

Any graduate with 50% marks at the graduation level and working knowledge of computer applications is eligible to apply for the course. There is no age limit for the course.

Total ten seats are available for the course.

COURSE FEE

The course fee is INR 30,000/- per semester).

HOW TO APPLY

Please fill the application in a neatly typed A4 paper as per the prescribed format available on the university website. Govt.-sponsored candidates must submit the Nomination Forms forwarded by the Competent Authorities of their parent organizations/institutes at the time of submitting the online/offline applications. The application should reach the Office of the Dean, CAEPHT, Ranipool-737135 (SIKKIM) latest by July 05, 2026.

ADMISSION PROCESS

Selection for admission to the Certificate Course shall be based on the academic records. Three seats shall be reserved for Govt. sponsored candidates. If no sponsored candidate is available, the same may be allotted to the self-sponsored candidates.

ACCOMODATION

Limited accommodation is available in the college hostel on payment basis.

ABOUT CAEPHT

The College of Agricultural Engineering and Post Harvest Technology (CAEPHT), Ranipool-737135 (Sikkim) was established by Central Agricultural University Imphal (CAU Imphal) in the year 2006 with six disciplines; Soil and Water Conservation Engineering, Irrigation and Drainage Engineering, Farm Machinery and Power Engineering, Process and Food Engineering, Renewable Energy Engineering and Basic Engineering and Applied Sciences. The CAEPHT is situated at Ranipool, Gangtok on National Highway 31A (renamed as NH 10) connecting Siliguri in West Bengal to Gangtok, the capital of Sikkim State. Bagdogra is the nearest airport.

CONTACT US

For any further information, please write to:

1. Dean, CAEPHT, Ranipool (dean-caepht@gov.in)
2. Head, Dept. of SWCE, CAEPHT, Ranipool (jagabandhu_panda@rediffmail.com)
3. Course Coordinator: (sryadav52@gmail.com)