# NAHEP

**College of Agricultural Engineering & Post- Harvest Technology (Central Agricultural University) Ranipool, Gangtok-737135 (Sikkim)**

Six days Workshop on *"Application of R-Software"* in Agricultural Research under Faculty Development Training, for Faculties, PG and PhD Students under NAHEP-IDP, CAEPHT, Ranipool, Gangtok, Sikkim

**6th to 11th December, 2021 at CAEPHT, Ranipool**

**Chief Patron:**
Dr. Anupam Mishra
Vice Chancellor, CAU (I)

**Patron**
Dr. S. Basanta Singh
Director of
Instruction, CAU(I)

**Chairperson**
Dr. P.P. Dabral
Dean, CAEPHT

**Member Secretary**
Dr. M.S Seveda
Professor (REE) and
Associate Nodal Officer,
CAEPHT

**Workshop Coordinator**
Dr. Abujam Anuradha Devi
Assistant Professor (ABM)

**Resource Person-**
Dr. Ranjit Kumar Paul, FNAAS,
Senior Scientist, ICAR-IASRI,
PUSA, Delhi

**REGISTRATION IS NOW OPEN!!**
Click on the given mentioned link
for free registration:
https://forms.gle/kyEkjXMcv12tG1Cf9

This programme will be delivered using google meet.
The web link to join Six days Workshop on "Application of R-Software" in Agricultural Research under Faculty Development Training, for Faculties, PG and PhD Students under NAHEP-IDP, during 6th & 11th December, 2021 to join, the session (Google meet) link is mentioned below:
*meet.google.com/ftx-kvpc-cxd*

All the Faculties, PG and PhD students are requested to attend this programme online.

**Instruction**

- *Be available on your PC's along with internet connectivity to learn the Application of R- Software (Practical Task will be given during the workshop)*
- *The web link will be sent for this programme through email*

**Application of R-Software in Agricultural Research Programme– 6 days**

| Day and Date | Session | Name of the topic | Time and Duration (in Hrs) |
|---|---|---|---|
| 1 06/12/2021 | 1 | **Overview of R-Software** | **(11am to 1pm) 2 Hrs** |
| 2 07/12/2021 | 2 | **Basic Statistical Analysis in R** | **(11am to 1pm) 2 Hrs** |
| 3 08/12/2021 | 3 | **Regression Analysis and diagnostic** | **(11am to 1pm) 2 Hrs** |
| 4 09/12/2021 | 4 | **Time Series Analysis** | **(11am to 1pm) 2 Hrs** |
| 5 10/12/2021 | 5 | **Non Linear Statistical Models** | **(11am to 1pm) 2 Hrs** |
| 6 11/12/2021 | 6 | **Machine learning techniques** | **(11am to 1pm) 2 Hrs** |

**Learning outcomes**

**Participants will be able to:**
1. Access the use of R-Software
2. Analyze the statistical methods and time series
3. Use the statistical models and techniques of machine learning

**Training Methodology**

Power Point Presentations

Audio Visual Aids

Participative activities

Discussions

Q/A sessions