



# Profile of CAU, IMPHAL



**CENTRAL AGRICULTURAL UNIVERSITY**

LAMPHELPAT, IMPHAL 795004, MANIPUR

(Accredited by NAEAB)

[www.cau.ac.in](http://www.cau.ac.in)





# CENTRAL AGRICULTURAL UNIVERSITY IMPHAL, MANIPUR

## Constituent Colleges

The University has established the following Colleges:

- 1.College of Agriculture, Iroisemba, Imphal, Manipur,1993
- 2.College of Veterinary Sciences & Animal Husbandry, Selesih, Aizawl, Mizoram,1998
- 3.College of Fisheries, Lembuchera, Tripura,1998
- 4.College of Horticulture & Forestry, Pasighat, Arunachal Pradesh, 2001
- 5.College of Community Science, Tura, Meghalaya,2004
- 6.College of Agril. Engg. & Post Harvest Technology, Ranipool, Gangtok, Sikkim, 2006
- 7.College of Post Graduate Studies in Agricultural Sciences, Umiam Meghalaya, 2006
- 8.College of Agriculture, Pasighat, Arunachal Pradesh, 2013
- 9.College of Agriculture, Kyrdemkulai, Meghalaya, 2015
- 10.College of Horticulture, Bermiok , Sikkim, 2015
- 11.College of Food Technology, Lamphelpat, Imphal, Manipur, 2015
- 12.College of Horticulture, Thenzawl, Aizawl, Mizoram, 2016
- 13.College of Veterinary Sciences & Animal Husbandry, Jalukie, Peren, Nagaland, 2016



## Krishi Vigyan Kendras

The University has established the following Colleges:

- 1.Krishi Vigyan Kendra, Andro, Imphal, East Manipur, 2006
- 2.Krishi Vigyan Kendra, East Siang, Arunachal Pradesh, 2006
- 3.Krishi Vigyan Kendra, Aizawl, Mizoram, 2006
- 4.Krishi Vigyan Kendra, East Garo Hills, Meghalaya, 2017
- 5.Krishi Vigyan Kendra, South Garo Hills, Meghalaya, 2017
- 6.Krishi Vigyan Kendra, Sepahijala, Tripura, 2018

JURISDICTION of

## Central Agricultural University Imphal, Manipur



# The University

The Central Agricultural University, Imphal (CAU) was established under Department of Agricultural Research and Education (DARE) on 26th January, 1993 by the Central Agricultural University Act, 1992 (No.40 of 1992) of parliament with its headquarters at Imphal, Manipur. It is a fully residential university covering all the North-East Hill states under its jurisdiction except Assam. Like other Agricultural Universities of India, CAU, Imphal also has integrated programmes of teaching, research and extension education.

## MANDATE

- To impart education in different branches of agriculture and allied sciences as it may deem fit.
- To further the advancement of learning and prosecution of research in agriculture and allied sciences.
- To undertake programmes of extension education in the states under its area of jurisdiction.
- To undertake such other activities as it may determine from time to time.

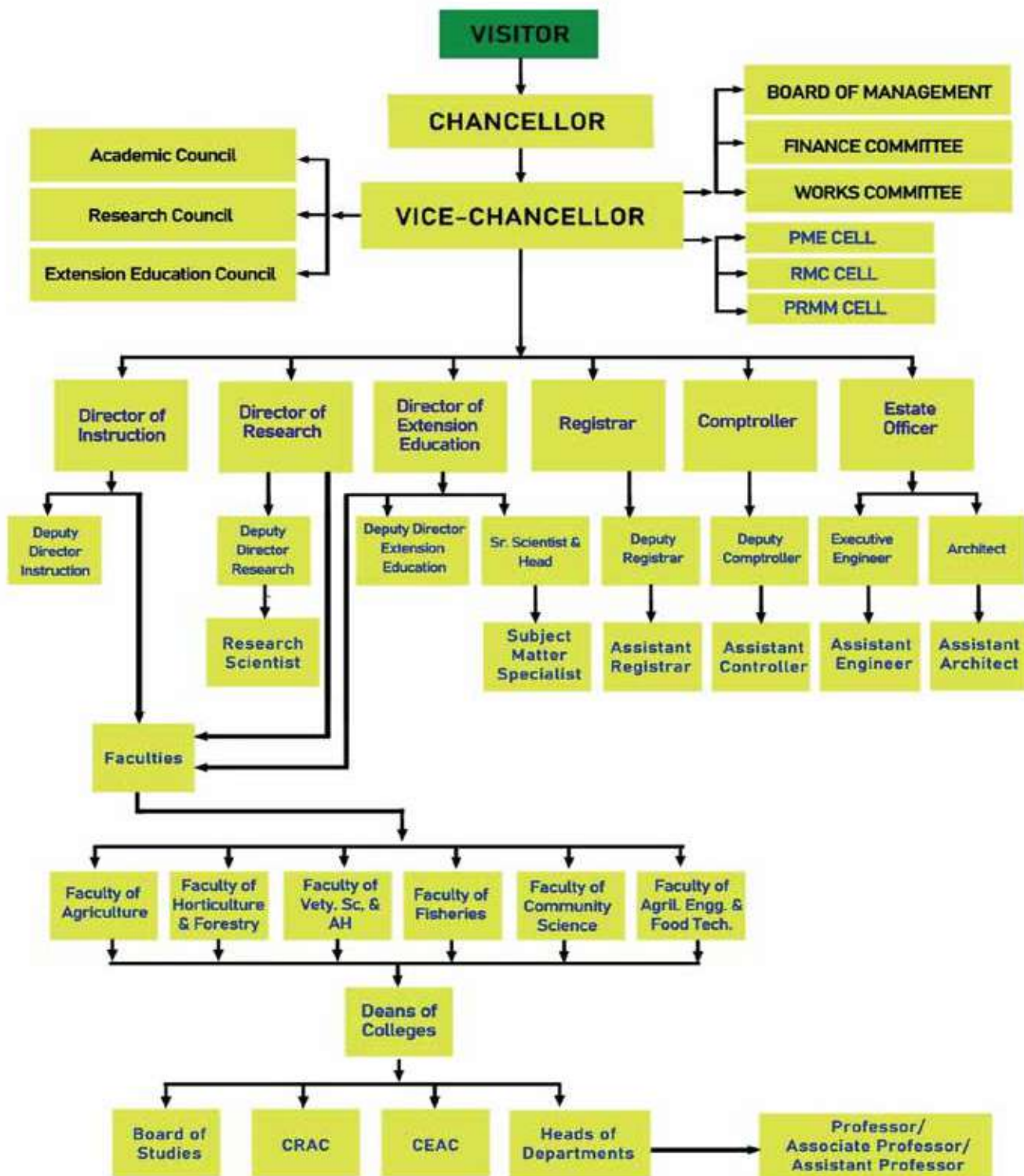
## MISSION

Keeping the mandate in view, the mission of the University is to be a Centre of Excellence in Teaching, Research and Extension Education in the field of Agriculture and Allied Sciences.

## GOALS

- To produce globally competitive graduates and postgraduates in agriculture and allied sciences.
- To develop sustainable and profitable farming systems for improving productivity, production and profitability in agriculture and allied sectors.
- To educate the extension functionaries for effective dissemination of agro-technologies to the farmers, entrepreneurs and agro-industries.
- be an important link in the chain for transforming agriculture and allied vocations into profitable enterprises and ensuring food and nutritional security to the people of NEH region.

# ORGANISATIONAL CHART





The University offers 10 Undergraduate, 48 Masters and 34 Ph. D. Degree Programmes in different subjects/disciplines of Agriculture & Allied Sciences through its 13 constituent colleges located in seven states of the NE Region of India. The total no. of student strength during 2024-25 is 2982 comprising of 1251 males and 1731 females from 28 states of India. Category wise student position are 439 (General), 213 (SC), 1470 (ST), 786 (OBC) & 73 (EWS).

## 1. FACULTY OF AGRICULTURE



College of Agriculture, Imphal

**B. Sc. (Hons.) Agriculture**  
**B.Sc. (Hons.) Natural Farming**  
**M. Sc. (Agriculture)**

- Agronomy
- Agricultural Economics
- Agricultural Extension
- Entomology
- Plant Pathology
- Genetics & Plant Breeding
- Soil Science & Agricultural Chemistry

**Ph. D. (Agriculture)**

- Agronomy
- Entomology
- Plant Pathology
- Genetics & Plant Breeding
- Soil Science & Agricultural Chemistry
- Floriculture & Landscaping

**M. Sc. (Horticulture)**

- Fruit Science
- Vegetable Science
- Floriculture & Landscape Architecture

**Ph. D.**

- Agronomy
- Soil Sc. and Agril. Chemistry
- Genetics and Plant Breeding
- Plant Molecular Biology and Biotechnology
- Plant Pathology
- Agril. Economics
- Agril. Extension
- Entomology



College of Post Graduate Studies in Agricultural Sciences, Umiam, Meghalaya

**M. Sc. (Agriculture)**

- Agronomy
- Soil Sc. and Agril. Chemistry
- Genetics and Plant Breeding
- Plant Molecular Biology and Biotechnology
- Entomology
- Plant Pathology
- Nematology
- Agril. Economics
- Agril. Extension
- Agri Business Management
- Entomology



College of Agriculture Pasighat, Arunachal Pradesh

**B. Sc. (Hons.) Agriculture**  
**B. Sc. (Hons.) Natural Farming**



College of Agriculture Kyrdemkulai, Meghalaya

**B. Sc. (Hons.) Agriculture**  
**B. Sc. (Hons.) Natural Farming**

### 1. Intake Capacity (2024-25)

**UG : 244**  
**PG : 121**  
**Ph. D : 43**

### 2. Total Students Strength (2024-25)

**UG : 697**  
**PG : 196**  
**Ph. D : 136**

### 3. Total Faculty Strength = 103

## 2. FACULTY OF HORTICULTURE



College of Horticulture & Forestry Pasighat, Arunachal Pradesh

**B. Sc. (Hons.) Horticulture**  
**B. Sc. (Hons) Forestry**

**Ph. D. (Horticulture)**

- Vegetable Science
- Fruit Science

**Ph.D. Forestry**

- Forest product & utilization

**M. Sc.(Horticulture)**

- Vegetable Science
- Fruit Science
- Floriculture & Landscaping

**M. Sc.(Forestry)**

- Silviculture & Agroforestry
- Forest Biology & Tree Improvement
- Forest Product & Utilization



College of Horticulture Birmiok, Sikkim

**B.Sc. (Hons) Horticulture**



College of Horticulture Thenzawl, Mizoram

**B.Sc. (Hons) Horticulture**

### 1. Intake Capacity (2024-25)

UG : 163  
PG : 42  
Ph. D : 10

### 2. Total Students Strength (2024-25)

UG : 476  
PG : 78  
Ph. D : 25

### 3. Total Faculty Strength = 72

## 3. FACULTY OF COMMUNITY SCIENCE



College of Community Science, Tura, Meghalaya

**B. Sc. (Hons.) Community Science**

**B. Sc. (Hons.) Food Nutrition & Dietetics**

**M. Sc. Community Science**

- Food Science and Nutrition
- Extension Education and Communication Management
- Textile & Apparel Designing

**Ph. D Community Science**

- Food & Nutriation

### 1. Intake Capacity (2024-25)

UG : 83  
PG : 09  
Ph. D : 03

### 2. Total Students Strengt (2024-25)

UG : 170  
PG : 09  
Ph. D : 02

### 3. Total Faculty Strength=33

## 4. FACULTY OF FISHERIES



College of Fisheries Lembucherra,  
Tripura

### B. F. Sc. M. F. Sc.

- Aquaculture
- Fisheries Resource Management
- Fish Genetics and Breeding
- Aquatic Animal Health Management
- Fish Processing Technology
- Fish Biotechnology
- Fisheries Extension
- Fisheries Economics

### Ph. D.

- Aquaculture
- Aquatic Animal Health Management
- Fish Processing Technology
- Fisheries Extension
- Fish Genetics and Breeding

### 1. Intake Capacity (2024-25)

UG : 50  
PG : 36  
Ph. D : 14

### 2. Total Students Strength (2024-25)

UG : 174  
PG : 67  
Ph. D : 51

### 3. Total Faculty Strength = 33

## 5. FACULTY OF AGRICULTURAL ENGINEERING & FOOD TECHNOLOGY



College of Agri-Engineering &  
Post Harvest Technology,  
Ranipool, Sikkim

### B. Tech. (Agril. Engineering.)

### B. Tech. (Food Technology)

### M. Tech.

- Soil & Water Cons. Engg.
- Processing & Food Engg.
- Farm Machinery & Power Engg.
- Irrigation & Drainage Engg.
- Renewable Energy Engg.

### Ph.D.

- Farm Machinery & Power Engg.
- Soil & Water Cons. Engg.
- Processing & Food Engg.
- Irrigation & Drainage Engineering
- Renewable Energy Engineering



College of Food Technology  
Lamphelpat, Imphal

### B. Tech. (Food Technology)

### 1. Intake Capacity (2024-25)

UG : 113  
PG : 20  
Ph. D : 11

### 3. Total Faculty Strength = 43

### 2. Total Students Strength (2024-25)

UG : 223  
PG : 20  
Ph. D : 24



## 6. FACULTY OF VETERINARY SCIENCES & ANIMAL HUSBANDRY



College of Veterinary Sciences & Animal Husbandry, Aizawl, Mizoram

B. V. Sc. & A. H.

M. V. Sc.

- |   |   |
|---|---|
| • Veterinary Biochemistry                         | • Veterinary Public Health and Epidemiology |
| • Veterinary Anatomy                              | • Animal Genetics & Breeding                |
| • Animal Reproduction, Gynaecology and Obstetrics | • Animal Nutrition                          |
| • Veterinary Medicine                             | • Veterinary Physiology                     |
| • Veterinary Parasitology                         | • Livestock Production and Management       |
| • Veterinary Pathology                            | • Livestock Products Technology             |
| • Veterinary Microbiology                         | • Veterinary and Animal Husbandry Extension |
| • Veterinary Surgery and Radiology                |   |
| • Veterinary Pharmacology & Toxicology            |   |

Ph. D

- |                                       |   |
|---------------------------------------|---|
| • Animal Nutrition                    | • Animal Reproduction, Gynaecology and Obstetrics |
| • Livestock Production and Management | • Veterinary Anatomy and Histology                |
| • Veterinary Biochemistry             | • Veterinary Parasitology                         |
| • Veterinary Microbiology             | • Veterinary Public Health & Epidemiology         |
| • Veterinary Pathology                |   |
| • Veterinary Surgery & Radiology      |   |
| • Veterinary Medicine                 |   |



College of Veterinary Sciences & Animal Husbandry, Jalukie, Nagaland

B. V. Sc. & A. H.

### 1. Intake Capacity (2024-25) 2. Total Students Strength (2024-25)

UG	: 117	UG	: 514
PG	: 74	PG	: 110
Ph. D	: 29	Ph. D	: 10

3. Total Faculty Strength = 65

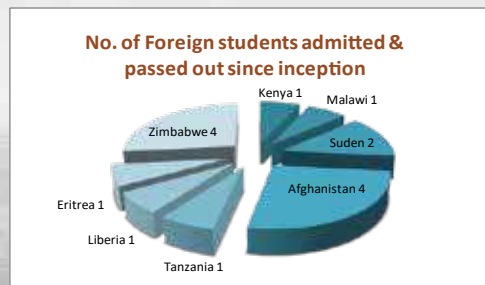
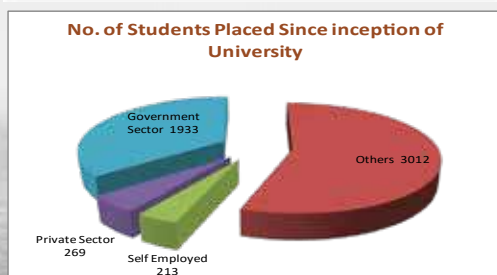
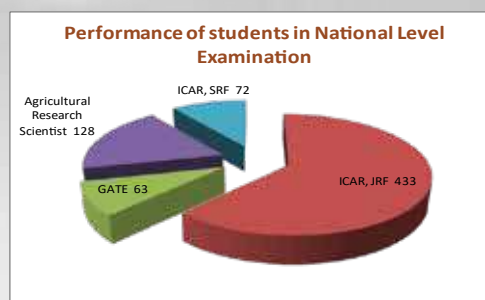
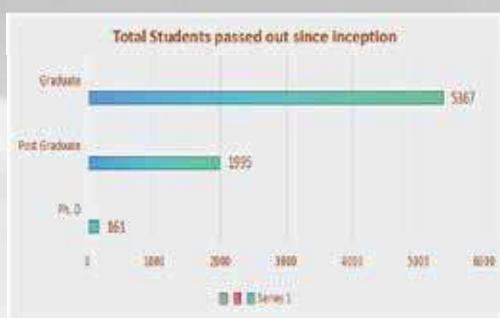


## DIRECTORATE OF INSTRUCTION

- Established in 2005
- Responsible for planning, co-ordination and supervision for all educational programmes in the various faculties of the University.

### Major Achievements

- The University, its constituent colleges and degree programs accredited by NAEAB, ICAR till 27th March, 2026.
- Ranked at 13<sup>th</sup> position in the ranking status of Agricultural Universities for the year 2020 & 2017 and 25<sup>th</sup> position in 2018 & 2019 by ICAR and 29<sup>th</sup> & 31<sup>st</sup> position in India Ranking 2023 & 2024 in National Institutional Ranking Framework (NIRF) by MHRD.
- 2<sup>nd</sup> position twice in All India Ranking in ICAR-JRF examination 2012 & 2014. Also 2<sup>nd</sup> position in ICAR-JRF Award for the year 2016 under the programme category of Horticulture and Forestry.
- Started B.Sc (Hons) Natural Farming degree program in the University.
- Signed MOUs/Collaborations/Partnerships with 6 Industries, 96 Startups, 60 FPOs, 22 ICAR Institutes, 28 National Organization/Universities and 5 International Organization/Universities.
- Implementation of digital governance/administration in the University viz. Academic Management System, University Management System, e-office.
- Initiation of cross campus teaching to pool academic talent & induce academic excellence.
- Identification of priority research areas for solving region specific problems. Six disciplines grouped into 14 broad research areas headed by 14 Team Leaders.
- Organization of Student innovative business ideas competitions, student conclaves of futuristic education, interaction with industries & investors etc.
- Organisation of faculty development programme to improve teaching skills, adopt new technologies and engagement in research.



## IDP-NAHEP

- Successfully completed ICAR World Bank funded project (December 2019 to December 2023) on Institutional Development Plan (IDP) entitled "Enhancing Entrepreneurial Competence in Students to Address Emerging Challenges in Agriculture and Allied Sectors" which tackles the need for agripreneurial skill development in today's agricultural students and agricultural communities in general.
- 180 students and 54 faculties undergone 2 weeks to 3 months foreign training across European & Asian countries including Japan, Israel, Malaysia, Singapore, Vietnam, South Korea, Taiwan, Thailand and Philippines. As an outcome of the foreign training, enhanced learning processes many students have got admission in reputed foreign institutions and national institutions of importance like IIT, IIM, IIRM etc. under IDP-NAHEP. 10 students also got admitted in foreign universities.
- Modernization of smart virtual classrooms & laboratories along with established 6 nos of language laboratories and 6 nos of Incubation Centre. All campuses were made green and disabled friendly.



Students at Queen Sirikit Botanic Garden Organisation, Thailand



Students at National Ilan University, Taiwan



Students at AIT, Thailand



Dr. Himanshu Pathak, Secretary DARE and DG, ICAR interacting with student



Dr R C Agarwal, DDG (Agricultural Education) ICAR and National Director NAHEP



FDP at IIM Kolkatta



Review meetings



Job Fair



Students with Hon'ble ND, NAHEP & DDG(Edn), Dr. RC Aggrawal during Heartful Agro-Youth Summit 2023 at Kanha Shanti Vanam, Hyderabad



A student pitching her innovative idea during Students conclave



Global Alumni meet



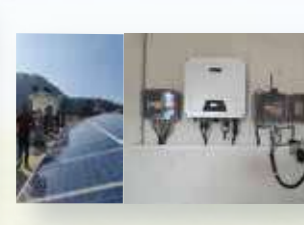
National level training on Natural Farming



Waste paper recycling plant; paper created from the plant



Incinerator



Solar Power Plant of 7 kwp



Solid Liquid Waste Disposal Unit



## EXTRA-CURRICULAR ACTIVITIES



- 1<sup>st</sup> Position - March past in the 5<sup>th</sup> ICAR Inter University Sports & Meet, PAU, Ludhiana, Punjab (2006).
- 1<sup>st</sup> Position-Group song, 2<sup>nd</sup> Position-Rangoli, 3<sup>rd</sup> Position-Group dance in 16<sup>th</sup> AIICAR Youth Festival (2016).
- 1<sup>st</sup> Position-Collage and 2<sup>nd</sup> Position-Quiz , 17<sup>th</sup> AIICAR Youth Festival, (2017).
- 2<sup>nd</sup> Position-Quiz, 18<sup>th</sup> All India AGRIUNIFEST, (2018).
- 1<sup>st</sup> Position-on spot painting competition, 19<sup>th</sup> All India AGRIUNIFEST, (2019).
- 2<sup>nd</sup> Position-High Jump event, 19<sup>th</sup> All India Inter-Agricultural Universities Sports and Games Meet, Punjab Agricultural University, Ludhiana (2019).
- 3<sup>rd</sup> position-High Jump (M) & 2<sup>nd</sup> Position-Badminton doubles (W) events, 20<sup>th</sup> All India Inter Agricultural Universities Sports & Games Meet (2020).
- 4<sup>th</sup> position-patriotic song competition, 20<sup>th</sup> All India Inter Agricultural Universities Youth Festival 2020, (2020).
- Received 3<sup>rd</sup> position in cultural procession during 21<sup>st</sup> All India Inter Agricultural Universities Agri-Unifest, 2023.
- Received 2<sup>nd</sup> position in men high jump and 2<sup>nd</sup> position in football during 21<sup>st</sup> All India Inter Agricultural Universities Sports and Games Meet 2023.

## INFRASTRUCTURE FACILITIES



Adequately furnished well secured classrooms equipped with the latest state of art facilities including smart class room facilities



Digitally interlinked well equipped 24X7 library facilities



Well furnished laboratories equipped with high tech equipments



Language Laboratories



Incubation Centres



Differently abled friendly campus





Computer laboratories with high speed internet facilities



Indoor Stadiums



Well equipped medical unit



Hygienic Canteen facilities



Research fields/ experimental farms



Well established Gymnasium



Well established Students Hostels



Solar Powered Renewable Energy Campus

## DIRECTORATE OF RESEARCH

- Established in the Year 2001
- Responsible for co-ordination of all the research activities of the University.

### Research Projects of the University

- Total Intramural Research Projects completed : 163
- Total Externally funded projects completed : 207
- Ongoing Intra mural Research Projects : 43
- Ongoing Externally funded projects : 101
- AICRP : 41
- AINP : 06

- *Farmers Friendly Technologies developed = 86 nos.*
- *Location specific recommendation= 362*

### Patent Awarded: 27 patents, 02 Copyrights, and Licensed 03 Technologies

- |  |   |
|--|---|
| 1. Multi Column Sand Filter for Treating Waste Water                   | 15.Eco-friendly Anti-parasitic Composition for Pisciculture & its Preparation Process |
| 2. Diagnostic Assay for Porcine Circovirus-2 infection in Pigs         | 16.Trap for Mango Fruit Fly   |
| 3. ADevice for Measuring the Discharge Rate/- Yield of a Stream/Spring | 17.Movable Pyrolyzer for Biochar production from Agricultural crop Residues           |
| 4. Low cost Turmeric/ Ginger Rhizome Washer                            | 18.Manually Operated Power Sprayer for Intra canopy Pesticide Spraying in row crops   |
| 5. Motorised Hand Held Pineapple Harvester                             | 19.Portable Box Type Biochar Kiln   |
| 6. Manually operated Makhana Harvester with Optical Device             | 20.Pyrolyzer for Biochar Production   |
| 7. Top fed Biomass Cook Stove  | 21.IOT based Water management Housing for Mountain Terrain                            |
| 8. Fog Harvester for collecting water from fog                         | 22.Application of Design to Drone for Crop Protection                                 |
| 9. Top and Front fed Biomass Cook Stove                                | 23.Manually Operated Gun Type Kiwi Pollinator   |
| 10.Biomass Heat Generated Dryer  | 24.Power-operated Mini Rhizome Planter  |
| 11.Brining of Tender Jackfruit   | 25.Plant Disease and Nutrient Scanner Device  |
| 12.Adjustable saddle for pack load transportation                      | 26.Smart Water Quality Monitoring Rover for Surface Water                             |
| 13.Seed Knocking Device for Plate Type Seed Metering Device            | 27.Breeding Fish Chamber  |
| 14Automatic Sel-Roti Making Machine                                    |   |

### Copyright

- Development of PYTHON codes for innovative trend analysis
- Gravity Driven Drip Irrigation Solutions for Terraced and Flat Landscapes

### Technology Licensed and Commercialized

- Valueaddedproductsofpineapple:2020: Green Biotech Eco-Solution Pvt.Ltd.
- Chakhao Instant Kheer Powder: 2020: RIMA Food Pvt. Ltd.
- Biofertilizer Consortium: M/s Lady Enterprise &JVES



## FUNDING AGENCIES



ICAR-NIAP



NATIONAL MEDICINAL PLANTS BOARD  
Ministry of AYUSH, Government of India



राष्ट्रीय कृषि विकास योजना (रफ्तार)  
RASHTRIYA KRISHI VIKAS YOJANA (RKVY)  
REMUNERATIVE APPROACHES FOR AGRICULTURE AND ALLIED  
SECTOR REJUVENATION (KARTAR)



उच्च प्रौद्योगिकी विभाग  
Department of Biotechnology  
Ministry of Science & Technology  
Government of India

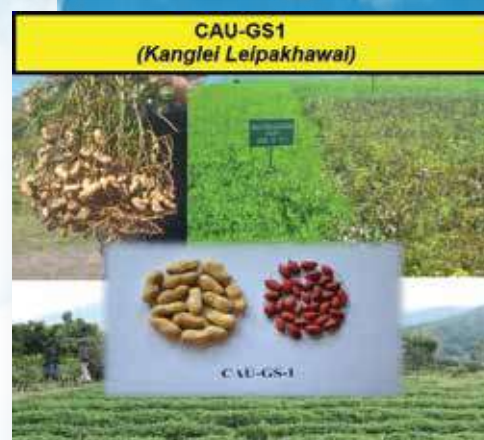
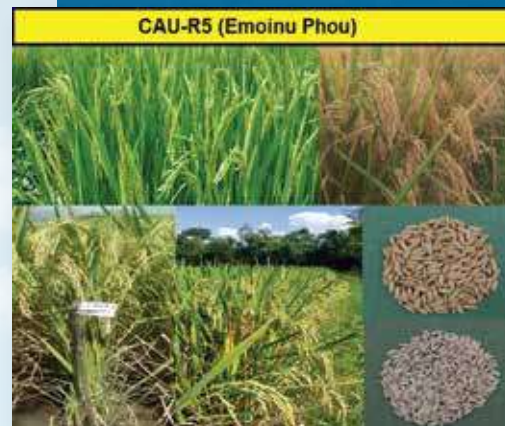


NMHS  
National Mission on  
Himalayan Studies



## MAJOR RESEARCH ACHIEVEMENTS

- CAU, Imphal carry out research through Students programme, 43 on going Internally Funded Research Projects (IRP), 101 Externally Funded Research Projects (EFRP) by 28 Funding Agencies, 41 AICRPs and 06 AINRPs. A total of 163 IRPs and 207 EFRPs were completed by 2024.
- All research programmes were categorised under 14 Theme, 61 Sub-theme and 287 Thrust Areas to maintain continuity of research and to develop technology.
- Collaborated with Institutions/Universities in neighbouring SE Asian countries (BISA, IRRI, VAAS) as well as other International Institutes (ICRISAT, Western Sydney, ICARDA).
- Developed 11 crop varieties of Rice, Soybean, Groundnut, and Tapioca, 27 Patents, 02 Copyrights, and 03 technologies were Licensed and Commercialized.
- Registered 03 indigenous breeds of animals, viz. Manipuri Black pig, Mizoram Zovawk pig & Manipuri Kaunayen (Indian chicken).
- Established a Biosafety Level II Laboratory (BSL-II) for diagnosis of transboundary animal diseases, 5G Lab. on Agril. Uses, 3-D Printing Lab., Centre of Excellence on Honey, Oil Palm and Millets, Seed Hub of Pulses, AICRP on Seed (Crops), Developing a state-of-art Pesticide Residues Analysis Laboratory.
- Established Food Processing Pilot Plant, Honey Processing Plant, Honey Testing Lab., Ginger & Turmeric Processing Unit, Oil Processing Unit, Techno-Incubation Centre for Jackfruit, a Barcoded Referral Fish Museum of 304 fish species of NER.
- Established 06 Natural Farming Units in 06 constituent colleges in 5 NEH States, 07 Liquid Biofertilizer Production Units of 375 litre/week capacity each. Formulated and producing 07 Biofertilizers and 06 Biopesticides.
- Developed BRICS technique for induced voluntary captive spawning of Magur without sacrificing the male, BRSHTi technology- a low cost in-situ hatchery for carp seed production, Low Cost Pabda Hatchery for Homestead Seed Production, CAU-AQUA Floating Feed.





- [illegible]

## DIRECTORATE OF EXTENSION EDUCATION

- Established in the Year 2008
- Responsible for the supervision & coordination of all extension activities of the University

### Activities undertaken by the Directorate

• CAU Regional Agri-Fair organised till date	:	17 nos
• Farmers Science Congress	:	4 nos
• Off Campus training for Farmers (2011-2025)	:	355 nos
		Total Beneficiaries : 13,820
• On Campus Capacity Building Training Program (2011-2025)	:	86 nos
		Total Beneficiaries : 2,864
• Vocational Trainings	:	12 Nos.
		Total beneficiaries 475
		unemployed youth/ CEO of FPOs, FPCs
• FLD	:	46 nos.
		Total 1161 Beneficiaries



### Externally funded projects under DEE: 16nos (completed & ongoing)

- Mobile based Agro-Advisory system (m4agri), Ministry of Information Technology (Meity) GOI – 44259 farmers registered
- RKVY-RAFTAAR Ministry of Agriculture & Farmer's Welfare GOI - 96 startups have been incubated
- Van Dhan Yojana-Entrepreneurship and Skill Development Programme (PMVDY) TREFED Ministry of Tribal Affairs, GOI



**• Central Sector scheme on Formation and promotion of FPOs :**

- Registration of FPOs- 60 nos. (Manipur, Arunachal Pradesh, Nagaland, Sikkim)
- CBBO empanelled- 19 nos.
- Crops/Commodity : Bean, Mushroom, Pineapple, Maize, Paddy, Field pea, Mustard, Cucumber, Black, Turmeric, Banana, King Chilly, Fishery, Watermelon, Bamboo Shoot
- Organized 1st North East FPO and Associated Investors Conclave : 1 no.

**• 6 KVKs at Impha IEast/East Siang/Aizawl/South Garo Hills/East Garo Hills/Sepahijala**

**No. of Trainings conducted**

• On Farm Testing	:	841 nos. (Beneficiaries: 10994)
• FLD	:	973 nos (Beneficiaries:10058)
• Farmers	:	3258 nos (Beneficiaries:101504)
• Rural Youth/ unemployment	:	1019 nos(Beneficiaries:26462)
• Extension Personnel	:	179 nos (Beneficiaries:5931)

**Component wise/discipline wise start up and FPOs under Central Agricultural University, Imphal, Manipur**

Sl. No.	Discipline	Nos. of start up	No. of FPOs
1	Agriculture	22	15
2	Horticulture	5	43
3	Fishery Science	2	-
4	Veterinary Science	4	-
5	Food processing and value addition	34	2
6	AI/TOT/ICT/Block chain technology	6	-
7	Waste to wealth	11	-
8	Forest based Product	12	-
<b>Total</b>		<b>96</b>	<b>60</b>

**FLD Conducted (Crop Wise)**

Agronomy – 167	Horticulture - 110	Plant protection – 236	Animal Sc. - 99
Agri. Engg. - 118	Home Sc. – 134	Fisheries - 109	

***Publications***

- 110 success stories documented
- Inventory of CAU technologies for NER Region
- CAU Newsletter (Quarterly)
- Farm Magazine (Quarterly)
- CAU, Calendar
- CAU Kisan Diary
- CAU Regional Agri Fair Souvenir
- Training Compendium



## STRENGTH OF THE UNIVERSITY

Sl. No	Specialization	Area of collaboration	Facilities available
1.	<b>Crop improvement</b>	Stress Breeding/ Genetic resources and their utilization/Conventional Breeding of Rice, Maize and Groundnut/ Molecular breeding/Molecular Markers Technology/Molecular Cytogenetics/Doubled Haploidy Breeding/ rice improvement/ biotic and abiotic stress tolerance/ genomics assisted breeding/ Biofortification/ Genetic engineering/ Varietal development for biotic and abiotic stress tolerance with nutrient use efficiency.	Conventional Lab and Molecular Lab with relevant equipments like PCR Gel Doc System, Root Scanner, HPLC with UV Vis Detector, Centrifuge, Tissue Culture facility.
2.	<b>Crop Protection</b>	IPM, HPR, Botanical pesticide, Biocontrol, Honeybees, Apiculture, Insect Resistance Detection & management, Arthropod diversity studies, Micotome for histopathology & biomangement, Taxonomy & Vermiculture, Fungal diseases of Horticultural crops, Mushroom & spawn production, Edible, Medicinal & Sericegenous Insect Bioresources Utilization, Nutritional Profiling, Insect Biotechnology & Management, IDM.	Biocontrol laboratory, Honey processing unit, PCR, Gel documentation system, Phase contrast Microscopy, Stereo zoom Microscopy, Gel Electrophoresis Unit, Insect culture room (, Bacillus thuringiensis (Bt) culture room ,Centrifuge, Laminar air flow, Deep freezer, Entomology Laboratory, Mycology & Bacteriology Laboratory, Mushroom production Unit.
3.	<b>Biochemistry/ Biotechnology</b>	Redox Biology, Plant Phenolics estimation, Enzyme assays, Microbiology assays Tissue Culture, Molecular Biology, Microbial Biotechnology / NanoScience.	PCR machines; gel documentation system; centrifuges; horizontal and vertical gel running systems; Realtime Tissue culture lab; Greenhouses; polyhouses, Thermal Cycler, Centrifuge, NanoDrop Spectrophotometer.
4.	<b>Soil Science</b>	Soil quality/Soil fertility/Nutrient mapping/Profile studies/ Nutrient Management.	Microbial fingerprinting, Multiscan ELISA Reader,Fermenter and HPLC, Nitrogen analyser, Spectrophotometer, Atomic Absorption Spectrophotometer.
5.	<b>Fisheries</b>	Aquatic Animal Health, Infectious and Emerging Diseases, Disease Diagnostics, Fish Parasitology and Ecotoxicology, Fish Immunology,Fish Microbiology, Fish Health Management , Aquatic Pollution & Toxicology, Alternative feed resources, Seed production and culture of alternative indigenous species, Ornamental fish seed production & rearing, Biofloc Technology, Surimi technology, Hydrocolloids in fish, Fermented and cured fish products, Fish freezing technology, Fish waste utilization Transcriptomics, Genomic,Selective breeding, Cell culture, Taxonomy and phylogeography of freshwater fishes, Selective breeding, Epigenetics.	Binocular microscopes, stereoscope mocrscopes, simple microscopes, wide-zoom camera, vernier-callipers, dissection sets, full-fledged taxonomy laboratory.
6.	<b>Veterinary Sciences and Animal Husbandry</b>	Phenotypic Characterization of Livestock Genetic Resources, Conservation of endangered Livestock and Resources, Scientific Breeding of Pigs, Antimicrobial Resistance, Infectious Diseases: Emerging Bacterial and Viral Diseases, Veterinary Protozoology & Veterinary Parasitology, Ethnoveterinary Medicine, Vector-borne diseases.	Soxhlet apparatus,Vacuum evaporator, Lyophilizer, ELISA reader, Biochemistry analyser, Haematology analyser, Trinocular microscope, Digital microscope, Thermocycler, ELISA reader, Deep freezer, High speed refrigerated centrifuge machine, Biosafety cabinet.



9.	Agricultural Engineering And Post Harvest Technology	Process & Food Engineering	Fruit and Vegetable Processing/Post-harvest technology, Food Powder technology, Food Packaging , Food extrusion technology, Functional foods, Innovative food processing technology and Functional food innovation, Food Product Development, Shelf-life Extension  Food waste recycling and utilization Non-thermal Processing.	Food engineering laboratory with food process technology, food powder, functional food and food product development facility, Process engineering laboratory with food packaging, food extrusion and post- harvest processing/ technology facility, Food analysis laboratory, Fruit and vegetable processing pilot plant, Milk and milk product processing pilot plant, Mini Rice Mill, Multi stage evaporator with aroma recovery system, Turmeric processing Unit, Ginger processing unit.
		Farm Machinery and Power Engineering	Small farm mechanization/Farm, Equipment for hill Agriculture, Small farm mechanization/Farm Equipment for hill Agriculture, Testing of Farm Equipment/soil dynamics in tillage and traction, Machine Design and Tribology of materials Animal energy Utilization Ergonomics and Safety in Agriculture.	Human Engineering and Safety Lab, Farm Machinery Laboratory, Engineering Workshop, CAD software, Farm Machinery Laboratory, Engineering Workshop, CAD software , Farm Machinery Testing Center, Soil bin test facility, Spray patternator, Workshop, CATIA software, Prototype of Animal Drawn Implements , Loading car for measurement of animal draft, Animal Trade mill.
		Irrigation & Drainage engineering, Soil & Water Conservation Engineering	Design and Manufacturing, Water Resource and Soil Erosion in Himalayan Region. Water Resource and Soil Erosion in Himalayan Region Water Resources Engineering, Water related disasters and climate change, plasticulture engineering technology, System Engineering.	Soil Analysis, Remote Sensing & GIS Hardware & Software, Water quality analysis, Soil Analysis, Remote Sensing & GIS Hardware & Software, Software for Ansys Plasticulture engineering technology related data loggers, lux meters, Climate change related codes and softwares, Lingo for linear programming.
10.	Horticulture	Protected cultivation, organic farming, Commercial Floriculture, Medicinal and aromatic plants, Forest Genetics & Tree Improvement, Biocontrol agent mass multiplication( Trichoderma and Pseudomonas) Mushroom production and Integrated disease management, Soil Fertility and Nutrient Management, Plant tissue culture/ Micro-propagation, , genetic resource utilisation/ conservation.		Cell cytology and anatomical instrumentation Hot Air Oven, Seed Germinator, Deep Freezer -200C, Oil distillation unit, Bio control mass multiplication unit, Spawn production laboratory, Mushroom house, Gel electrophoresis, thermal cycler, laminar airflow, centrifuge, autoclave, and other basic equipments.
11.	Community Sciences	Value Addition & Public health Nutrition, Community Nutrition, Energy balance, Food Science & Nutrition, Product formulation /compositional analysis /Dress making and Apparel Designing, Fashion design/Pattern making, Fashion Communication and Marketing/ Extension/Women's Studies, Development and Communication Studies / Psychological Assessment, Family Resource Management.		Sugar grinders, Pasta making machine, Colorimeter, Spectrophotometer, Cooling Centrifuge , Texture analyzer , Rheometer, , Body Composition Metre, Standard Lipidocare, Garment Construction Lab, CAD lab, Dyeing and Printing Lab.

## MEGA/FLAGSHIP PROJECTS IN OPERATION

1. Department of Biotechnology (DBT) funded Centre of Excellence on Fisheries and Aquaculture Biotechnology at College of Fisheries, CAU, Lembucherra, Tripura
2. Department of Biotechnology (DBT) funded Centre of Excellence entitled “Advance Animal Diseases Diagnosis and Monitoring Consortium” at College of Veterinary Sciences & Animal Husbandry, CAU, Selesih, Aizawl, Mizoram
3. ICAR Seed Project entitled “Seed Production in Agricultural Crops and Fisheries”
4. Centre of Excellence Oilpalms in Manipur, Mizoram and A.P
5. Centre of Excellence on “Millets”
6. Excellence on “Integrated Bee Development Centre
7. Natural Farming Project 6 units in 5 states (Man, Miz, Megh., Sikkim, AP)

## Major Awards received by the University

- “Transferring Wetland to Farming land in Manipur” bagged the “Best Institutional Film – SAU” award during the MANAGE Award Ceremony 2024 at MANAGE, Hyderabad on 22nd February, 2024.
- Best TSP Centre was awarded to AICRP Honeybee & Pollinators during the Annual Group Meet of at UAS Bangalore in September, 2023.
- Second Best Stall Award by the Directorate of Extension Education, CAU, Imphal during RAF, 2023 at ICAR NEH Research Complex, Umiam, Meghalaya.
- Best Stall Award by the Directorate of Extension Education, CAU, Imphal during RAF, 2022 at AAU, Jorhat, Assam.
- Innovative farmer Award, 2021 to Mr. H. Premjit Meitei of Manipur during the ICAR- NAARM



foundation day on 1st Sept, 2021 under FFP.

- FICCI Higher Education Excellence Award 2018.
- Pandit Deendayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar 2016 (Zone-VI), ICAR, New Delhi by KVK, East Siang, Arunachal Pradesh.
- Best KVK of Arunachal Pradesh for implementation of CFLD

(Torla)- 2018-19 by East Siang, Arunachal Pradesh.

- Rank 1 under category “A” of ATARI Zone VII KVKs (Imphal East -Andro) during the evaluation of Krishi Vigyan Kendras by NILERD, NITI Aayog, GOI (2017-18).
- Best Exhibition Award for state Agriculture Fair 2017 organized by SAMETI, Deptt. Of Agriculture, GoM (2016-17).
- KVK- Imphal East, Best KVK for implementation of CFLD Pulses under Zone VII, ATARI (2018-19).
- Best Centre of the year 2018-19 Award on AICRP on Post-Harvest Engineering and Technology in XXXIV annual workshop of AICRP on PHET held at Tamil Nadu Agricultural University.
- Mahindra Samriddhi India Agri Award – 2017.



## LINKAGES & COLLABORATIONS

The University has International & National Links for collaboration in field of Education, Research and Extension



### International Collaborations



MoU exchanged between CAU, Imphal, Manipur represented by Dr Anupam Mishra Hon'ble Vice Chancellor, CAU, Imphal and Mr Mao Representative of Vietnam Academy of Agri. Sc., Hanoi, Vietnam during the Signing ceremony in presence of Shri Narendra Modi His Excellency Prime Minister, Republic of India and His Excellency Mr. Pham Minh Chinh Prime Minister, Socialist Republic of Vietnam. The MoU provides a platform for future platform for cooperation between CAU, Imphal and VAAS Hanoi in diverse fields of Agriculture and Allied Sc

## National Collaborations







Medicinal and aromatic plants, biotechnology, bioprospecting, ethnobiological studies, natural product chemistry, microbial diversity, fermented foods, insect bio resources, freshwater bio resources, traditional knowledge/folk medicine



Traditional wisdom, Indigenous arts and culture & Martial Arts.



Artificial Intelligence and Engineering disciplines viz. Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Civil Engineering & Mechanical Engineering and also Basic Sciences like Physics, Chemistry Mathematics and English



Basic Sciences



Artificial Intelligence and Engineering disciplines viz. Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Civil Engineering & Mechanical Engineering



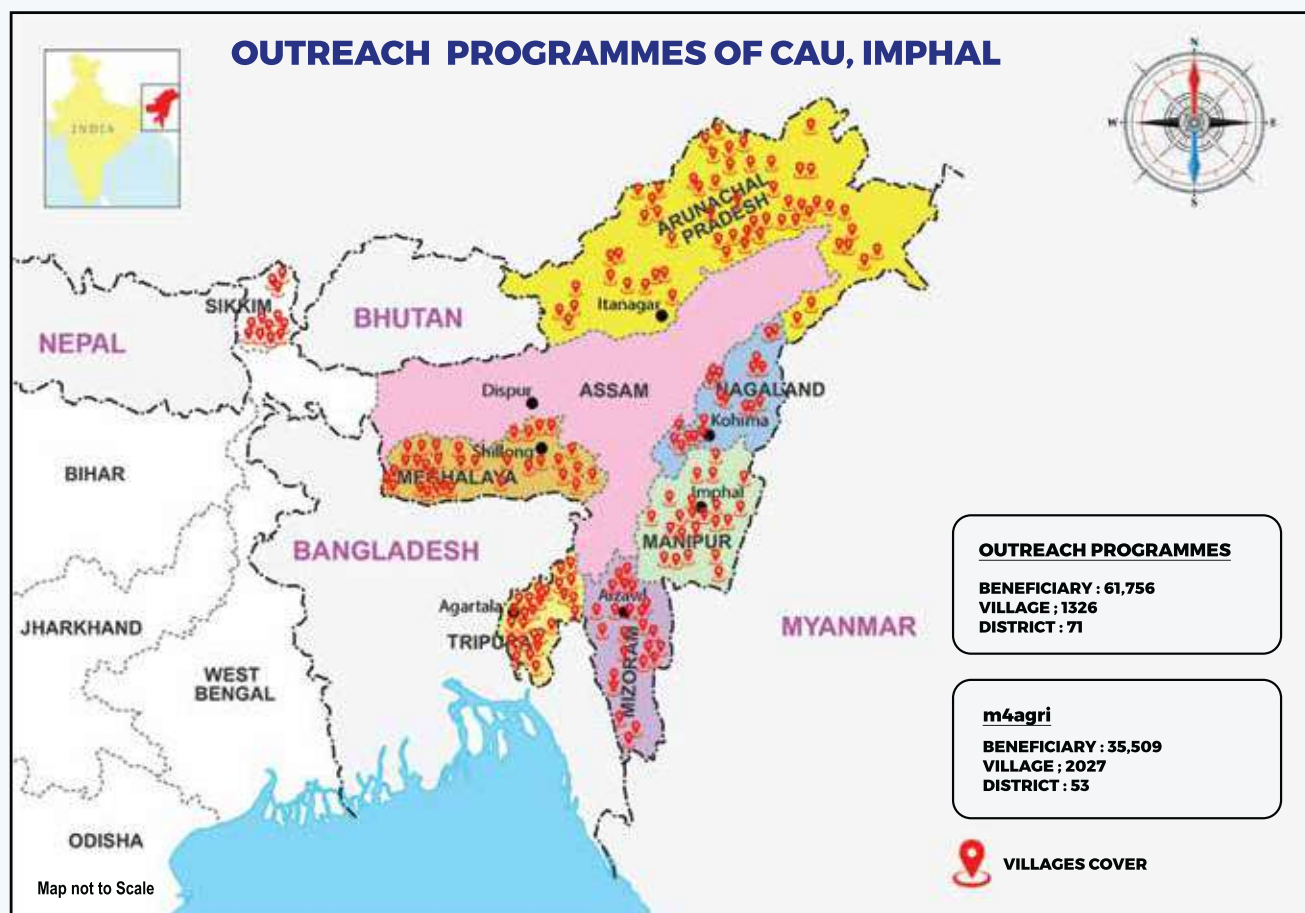
Chemical profiling, Language & Communication Skill, Fine arts, Dance, Sports, Biotechnology, Forestry.



Teaching methods



Drone based technology





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