PROFILE OF CAU, IMPHAL

























CENTRAL AGRICULTURAL UNIVERSITY

LAMPHELPAT, IMPHAL 795004, MANIPUR (Accredited by NAEAB) www.cau.ac.in







SI. No.	Name of the Constituent Colleges	Location and State	Year of Establishment
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 Sciences	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 (Barapani), 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 & Forestry	Thengzwal, Aizawl, Mizoram	2016
13	College of Veterinary Sciences & Animal Husbandry	Jalukie, Peren, Nagaland	2016
Krishi Vigyan Kendras			
14	Krishi Vigyan Kendras	Andro, Imphal, East Manipur	2006
15	Krishi Vigyan Kendras	East Siang, Arunachal Pradesh	2006
16	Krishi Vigyan Kendras	Aizawl, Mizoram	2006
17	Krishi Vigyan Kendras	East Garo hills, Meghalaya	2017
18	Krishi Vigyan Kendras	South Garo hills, Meghalaya	2017
19	Krishi Vigyan Kendras	Sepahijala, Tripura	2018

Multi Technology Testing Centres: In six (6) states at Manipur, Mizoram, Tripura, Arunachal Pradesh, Sikkim & Meghalaya

Vocational Training Centres: In six (6) states at Manipur, Mizoram, Tripura, Arunachal Pradesh, Sikkim & Meghalaya



THE UNIVERSITY

The Central Agricultural University (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, the CAU 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.

GOALS:

- To produce globally competitive graduates and postgraduates in agriculture and allied sciences.
- To develop sustainable and profitable

MISSION:

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

- 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.
- To 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.

The University offers 9 Undergraduate, 45 Masters and 25 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.

1. FACULTY OF AGRICULTURE



College of Agriculture, Imphal

B. Sc. (Hons.) Agriculture M. Sc. (Agriculture)

- Agronomy
- Agricultural Economics
- Extension Education
- Entomology
- Pomology
- Olericulture
- Floriculture
- Plant Pathology
- Genetics &Plant Breeding
- Soil Science & Agricultural Chemistry

Ph. D. (Agriculture)

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



College of Post Graduate Studies in Agriculture, Umiam, Meghalaya

M. Sc. (Agriculture)

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

Ph. D.

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



College of Agriculture Pasighat, Arunachal Pradesh

B. Sc. (Hons.) Agriculture



College of Agriculture Kyrdemkulai, Meghalaya

B. Sc. (Hons.) Agriculture

1. Total Students Strength in Agriculture (2021-22)

UG

: 567

PG

: 219

Ph. D

: 100

2. Total Faculty Strength =

101

University Profile /

2. FACULTY OF HORTICULTURE



College of Horticulture & Forestry Pasighat, Arunachal Pradesh

B. Sc. (Hons.) Horticulture

B. Sc. (Hons) Forestry

Ph. D.

- Vegetable Science
- Fruit Science

M. Sc. (Horticulture

- Vegetable Science
- Fruit Science
- Floriculture

M. Sc.(Forestry)



College of Horticulture Bermiok, Sikkim

B. Sc. (Hons.) Horticulture

B. Sc. (Hons.) Horticulture

1. Total Students Strength in Horticulture & Forestry [2021-22]

: 442 UG

PG : 37

Ph. D: 20

2. Total Faculty Strength

= 81



College of Horticulture Thenzawl, Mizoram

3. FACULTY OF COMMUNITY SCIENCE



College of Community Science Tura, Meghalaya

B. Sc. (Hons.) Community Science

M. Sc. Community Science

- Food Science and Nutrition
- Extension Education and Communication Management

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

1. Total Students Strength in Community Sciences (2021-22)

UG: 174 PG: 06

Total Faculty Strength = 15

4. FACULTY OF FISHERIES



College of Fisheries Lembucherra, Tripura

B. F. Sc.

M. F. Sc.

- Aquaculture
- Fisheries Resource Management
- Fish Genetics and Reproduction
- Aguatic Animal health
- Fish Processing Technology
- Fish Biotechnology
- Fisheries Extension Education & Social Science

Ph. D.

- Aquaculture
- Aquatic Animal health
- Fish Processing Technology

1. Total Students Strength in Fisheries (2021-22)

UG : 167 PG : 67 Ph. D : 15 2. Total Faculty Strength = 33

5. FACULTY OF AGRICULTURAL ENGINEERING & FOOD TECHNOLOGY



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

B. Tech. (Agril. Engineering) M. Tech.

• Soil & Water Cons. Engg. • Processing & Food Engg. • Farm Machinery & Power Engg. • Irrigation & Drainage Engg. • Renewal Energy Engg.

Ph.D.

Farm Machinery & Power Engg.
 Soil & Water Cons.
 Engg.
 Processing & Food Engg.



College of Food Technology Lamphelpat, Imphal

B. Tech. (Food Technology)

1. Total Student Strength in Agril. Engg & Food Technology (2021-22)

UG: 249

PG: 41

Ph. D: 15

2. Total Faculty Strength = 46



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 Anatomy
- Animal Reproduction Gynaecology and Obstetrics
- Veterinary Medicine
- Veterinary Parasitology
- Veterinary Pathology
- Veterinary Microbiology
- Veterinary Surgery and

Ph. D.

- Animal Nutrition
- Livestock Production and Management
- Veterinary Biochemistry
- Veterinary Microbiology
- Veterinary Pathology
- Veterinary Medicine

Radiology

- Veterinary Public Health and Epidemiology
- Animal Genetics & Breeding
- Animal Nutrition
- Veterinary Physiology
- Livestock Production and Management
- Livestock Products Technology
- Veterinary and Animal Husbandry Extension
- Animal Reproduction, Gynaecology and Obstetrics
- Veterinary Anatomy and Histology
- Veterinary Parasitology



College of Veterinary Sciences & Animal Husbandry, Jalukie, Nagaland

B. V. Sc. & A. H.

Total Students Strength Veterinary Sciences & Animal Husbandry (2021-22)

UG: 432

PG: 92

Ph. D: 12

Total Faculty Strength = 96

DIRECTORATE OF INSTRUCTION

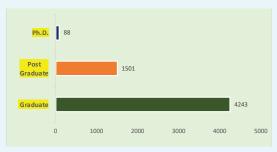
- Established in 2005
- Responsible for planning, co-ordination and supervision for all educational programmes in the various faculties of the University.

Academic Achievements

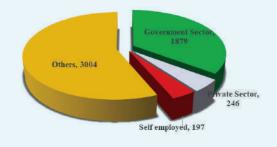
- i) Ranked at 13th position in the ranking status of Agricultural Universities for the year 2020 & 2017 and 25th position in 2018 & 2019 by ICAR and between 151-200 in India Ranking 2019 in overall category of National Institutional Ranking Framework (NIRF) by MHRD.
- ii) 2nd position twice in All India Ranking in ICAR-JRF examination 2012 & 2014

- iii) 2nd position in ICAR- JRF Award for the year 2016 under the programme category of Horticulture and Forestry.
- iv) Keisham Geenita topped the in the ICAR AIEEA PG (Fisheries) examination 2019 in the streams of Fisheries Science
- v) D. Bernice Ekhe topped the in the ICAR AIEEA JRF examination 2019 in the stream of Community Science
- vi) Bullo Angkha topped the in the ICAR AIEEA PG (Fisheries) examination 2019 in the streams of Fisheries
- vii) Nilav Aich topped the in the ICAR AIEEA PG (Fisheries) examination 2013 in the streams of Fisheries.

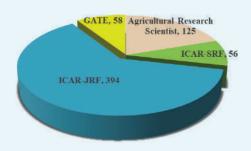
Total students passed out since inception



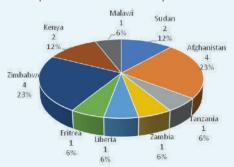
No. of students placed since inception of University



Performance of students in national level examinations



No. of foreign students admitted & passed out since inception





EXTRA-CURRICULAR ACTIVITIES





- 1st Position March past in the 5th ICAR Inter University Sports & Meet, PAU, Ludhiana, Punjab (2006)
- 1st Position-Group song, 2nd Position-Rangoli, 3rd Position-Group dance in16th AllCAR Youth Festival (2016)
- 1st Position-Collage and 2nd Position-Quiz, 17th AllCAR Youth Festival, (2017).
- 2nd Position-Quiz, 18th All India AGRIUNIFEST, (2018),
- 1st Position-on spot painting competition, 19th All India AGRIUNIFEST, (2019).
- 2nd Position-High Jump event, 19th All India Inter-Agricultural Universities Sports and Games Meet, Punjab Agricultural University, Ludhiana (2019)
- 3rd position-High Jump (M) & 2nd Position-Badminton doubles (W) events, 20th All India Inter Agricultural Universities Sports & Games Meet (2020).
- 4th position-patriotic song competition, 20th All India Inter Agricultural Universities Youth Festi- val 2020, (2020)





INFRASTRUCTURE FACILITIES



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



Well furnished laboratories equipped with high tech equipments



Incubation Centres



Digitally interlinked well equipped 24X7 library facilities



Language Laboratories



Differently abled friendly campus

University Profile



Computer laboratories with high speed internet facilities



Research fields/ experimental farms



Indoor Stadiums



Well equipped medical unit



Hygienic Canteen facilities



Well established Gymnasium



Well established Students Hostels

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 Intra mural Research Projects completed : 266
- Total Externally funded projects completed :109
- Ongoing Intra mural Research Projects :
 28
- Ongoing Externally funded projects :
 122
- Farmers Friendly Technologies developed = 86 nos
- Location specific recommendation in the field of agriculture and allied disciplines for adoption by the farmers and agri-entrepreneurs of NEH Region =362 nos.

PATENT GRANTED

- An Australian patent (No. 2020102879) was granted for the technique of diagnostic assay of Porcine Circovirus 2 infection in pigs
- The innovation on multi-column sand filter has been patented (Patent NO. 345919).

FUNDING AGENCIES























राष्ट्रीय कृषि विकास योजना (रफ़्तार) RÄSHTRIYA KRISHI VIKAS YOJANA (RKVY) remunerative approaches for agriculture and allied sector rejuvenation (raftaar)



















MAJOR RESEARCH ACHIEVEMENTS





- 4 high yielding rice varieties were released viz. (i) CAU-R1 (Tamphaphou), (ii) CAU-R2 (Tomthinphou), (iii) CAU-R3 (Mangalphou) & (iv) CAU-R4 (Enotphou)
- (CAU-Umangra 1) has been released
- Standardized zero tillage cultivation of rapeseed mustard in rice fallows of Manipur
- Developed liquid formulation of microbial consortium (CAU Jhum Bioenhancer)
- Established a transboundary disease surveillance laboratory in North East of India
- For the first time in India developed and standardized the seed production under captivity for Clarias magur
- Developed Poly-herbal ointment "NIL SarM-PIG" as effective ointment for treatment of demodectic mange in pigs
- Improvement in the growth and quality of local pigs (Zovawk) by cross breeding with exotic Large Yorkshire breed (LWY)
- Developed a novel isothermal polymerase spiral reaction (PSR) for detection of eaeA gene in E. coli isolated from diarrhoeic pig, cattle, sheep and goat.







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	: 16 nos
Farmers Science Congress	: 4 nos
Off Campus training for Farmers (2011-2021)	: 151 nos Total Beneficiaries: 11,521
 On Campus Capacity Building Training Program (2011-2022) 	: 70 nos Total Beneficiaries: 2,800
Vocational Trainings	: 11 nos Total Beneficiaries :440 unemployed youth









EXTERNALLY FUNDED PROJECTS UNDER DEE: 16 NOS (COMPLETED & ONGOING)

Some Important Projects

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

6 KVKs at Imphal East/ East Siang/ Aizawl/ South Garo Hills/ East Garo Hills/ Sepahijala

•	On Farm Testing	:	639 nos (Beneficiaries: 2922)
•	FLD	:	725 nos (Beneficiaries: 9628)
•	Farmers	:	2111 nos (Beneficiaries: 73222)
•	Rural Youth/unemployment	:	725 nos (Beneficiaries: 18438)
•	Extension Personnel	:	94 nos (Beneficiaries: 3864)
•	Vocational Training	:	33 nos (Beneficiaries: 1715)

FLD CONDUCTED (CROP WISE)

Agronomy–142 Agril.Engg.–98

Farm Magazine

Horticulture-86 HomeSc.-113 Plant Protection—210 Fisheries-89

PUBLICATIONS



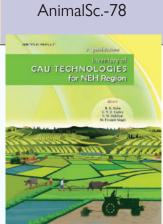
- Inventory of CAU technologies for NEH Region
- CAU Newsletter (Quarterly)
- Farm Magazine (Quarterly
- CAU Wall Calendar
- CAU Table Calendar- 202
- Souvenir
- Extension Bulletin on Ensuring Nutrition for all
- Extension Bulletin on Nutrient Foods and Nutri
- Thallis of the NEH Region
- Biocontrol and Utilization of Insects for N

East India











STRENGTH OF THE UNIVERSITY

SI. No.	Specialization	Area of collaboration	Facilities available
1.	Crop improvement	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.	Crop Protection	IPM, HPR, Botanical pesticide, Biocontrol, Honeybees, Apiculture, Insect Resistance Detection & management, Arthropod diversity studies, Micotome for histopathology & biomanagement, Taxonomy & Vermiculture, Fungal diseases of Horticultural crops, Mushroom & spawn production, Edible, Medicinal & Sericegenous Insect Bioresources Utilization, Nutritional Profiling, Insect Biotechnology & Management, IDM	Phase contrast Microscopy, Stereo zoom Microscopy, Gel Electrophoresis Unit, Insect culture room (,Bacillus thuringiensis (Bt) culture room ,Centrifuge, Laminar air flow, Deep freezer, Entomology
3.	Biochemistry/ Biotechnology	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.	Soil Science	Soil fertility	Microbial fingerprinting, Multiscan ELISA Reader, Fermenter and HPLC, Nitrogen analyser, Spectrophotometer, Atomic Absorption Spectrophotometer
5.	Fisheries	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 mocroscopes, simple microscopes, wide-zoom camera, vernier-callipers, dissection sets, full-fledged taxonomy laboratory
6.	Veterinary Sciences and Animal Husbandry	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

University Profile /

7.	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	Hardware & Software, Water quality analysis, Soil Analysis, Remote Sensing & GIS Hardware & Software, Software
	Horticulture	Protected cultivation, organic farming, Commercial Floriculture, Medicinal and aromatic plants, Forest Genetics & Tree Improvement, Biocontraol 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
	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

MAJOR AWARDS RECEIVED BY THE UNIVERSITY





LINKAGES & COLLABORATIONS

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

INTERNATIONAL COLLABORATIONS















NATIONAL COLLABORATIONS







































































M/S RIMA FOODS **PROCESSING** INDUSTRIES, **IMPHAL**





COLLABORATION WITH UNIVERSITIES/INSTITUTES IN MANIPUR

For implementation of NEP-2020, the University has signed MOU with cluster of Institutes located in Manipur in the following areas of collaboration.



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





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

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





Drone based technology

Teaching methods





Contact us:

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