

**Review of Central Agricultural University, Imphal
during the year 2017-18**

The Central Agricultural University (CAU) was established under Department of Agricultural Research and Education (DARE) on 26th January, 1993 by 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-Eastern 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. The University is equipped with well-established laboratories, research and demonstration farms, 5 KVKs, 6 multi-technology testing centres and 6 vocational training centres.

The Central Agricultural University offered 9 Undergraduate, 38 Masters and 21 Ph. D. Degree Programmes in different subjects/disciplines through its 13 constituent colleges. The university academic session started from 1st July, 2017 for both UG and Master's courses except College of Veterinary Sciences and Animal Husbandry where it started from 1st August, 2017. The Ph. D. Programmes for all the colleges started from 2nd Sept 2017. A total of 481, 177 and 21 students were admitted in various Under-graduates, Masters and Ph.D programmes, respectively during the academic year 2017-18. A total of 255 UG and 141 PG students completed their degrees and 8 students were also awarded Ph.Ds during this period.

Inspite of its remoteness and other location related disadvantages, the university maintained excellent academic environment in its constituent college campuses for professional success of the students. Special coaching programme was arranged in all the constituent colleges to facilitate good performance of students in the national level examinations. The

students of the university showed excellent performance at national level competitive examinations and admissions in national/premier institutes of higher studies. A total of 14 students secured JRF, 6 SRF, 54 NET, 5 GATE, 2 CAT and 4 students got selected as ARS scientists during the year. 160 students were admitted to Post Graduate Degree Programmes in reputed institutes in the country where 87 of the students were admitted through ICAR Entrance exam. Six students were also admitted to Ph.D. degree courses through ICAR Entrance exam. The university has an exemplary record of placement through campus interviews during the last couple of years in a number of private and public sector organizations, government undertakings and 57 of our students were placed in various capacities in different organizations during the year 2017-18.

The university has good play grounds/gymnasium, information centre and placement cell in constituent colleges. Each college has good auditorium with all facilities, health center, canteen, ATM booth and post office. All colleges celebrated the college week where students competed in various sports, games and cultural activities. All colleges have either N.C.C. or N.S.S. units under which students are engaged in actual social works in and around college campuses to develop a sense of service, team spirit and dignity of labour. The 4th Annual CAU Inter-Collegiate Youth Festival 2017-18 was organized jointly by Directorate of Instruction and College of Agriculture, CAU, Imphal during 15th -17th January 2018. During the three days programme, 351 participants from 13 constituent colleges of the university participated in 18 (eighteen) different cultural events of the Youth Festival.

The University research aims to frame need based research projects through sustainable and eco-friendly scientific and technical approaches for developing agricultural technologies/practices/agricultural machines and equipments which can bring about a far reaching impact on productivity and profitability of crops, animals and fishes and develop new products for value addition, enhance income generation and in turn the socio-economic upliftment of the people of North Eastern Hill Region. During the year under report, the university carried out 79 Intramural Research Projects (IRPs) in which 10 IRPs were newly sanctioned, 59 ongoing and 10 completed under University Funded Research Programmes. Out of the 143 Externally Funded Research Projects, 5 were newly sanctioned, 77 ongoing and 61 completed.

Four agriculturally important districts of the state Meghalaya viz., the Ri-bhoi district, the East Khasi Hills district, the West Khasi Hills district and the West Jaintia Hills district have been covered under the development and deployment of mobile based agro-advisory system in North East India (m4agriNEI) with registration of 11,400 farmers. 9361 queries pertaining to agriculture and allied activities raised by farmers have been solved during the period.

A high yielding breed of pig has been evolved by crossing the local pig (*Zovawk*) with Large White Yorkshire breed (LWY). The improved breed maintains 75% blood level of LWY, thereby express better pork quality and higher feed conversion ratio. Two indigenous breed of

animals viz. Mizo pig *Zovawk* and Manipuri Chicken *Kaunayen* have been registered under accession No. Indian_Pig_2700_Zovawk_09007 and India_Chicken_1200_Kaunayen_12017, respectively. DNA barcode of 16 unique fish species from Mizoram, Manipur, Meghalaya, Nagaland have been generated and COI sequences were submitted in NCBI Gen Bank Database.

In an effort for popularization of modern innovative and sustainable agriculture and agro based allied activities in the hill states, farmers' education is being extended to the farming communities and extension education to line departments from time to time. The Directorate of Extension Education organized 9 Capacity building training programmes for extension functionaries which benefitted 258 persons. The directorate organized 39 training programmes for farmers and farm women during the year which benefitted 2187 individuals.

In an effort for greater outreach among the rural farmers, the Directorate also organized CAU Regional Agriculture Fair-2017 at College of Fisheries, CAU, Agartala, Tripura with a participation of 5050 farmers from different states of the region. The university also participated in 5 national/regional/state level Farmers' Fair/Exhibition. The University Stall was adjudged as "First Runner-Up" in the N.E. Regional Agriculture Fair organized by ICAR Research Complex, Umiam, Barapani and First Prize at the State Level Agri Fair 2017-18 organised by Agriculture Department, Government of Manipur.

A total of 64 On Campus and 133 Off Campus trainings for farmers were organized under the three KVKs where 6408 farmers were benefitted from the trainings. 23 trainings were also organized for extension functionaries in which 614 persons have been trained for furthering the cause of outreaching the farmers in remote places, including male, female and youths belonging to SC/ST/OBC categories. Further, 34 On Farm Trials (OFT) and 48 Front Line Demonstrations (FLD) were undertaken under the three KVK(s).

Special Farmers Welfare Oriented Programmes were also organised by the Directorate. Under *Unnat Bharat Abhiyan/PanditDeenDayalUpadhyayUnnatKrishiShikshaYojna*, a special, innovative and farmers welfare oriented programme sponsored by Ministry of Agriculture & Farmers' Welfare, Govt. of India, 5 skill oriented trainings were organized in Manipur, Meghalaya, Mizoram and Tripura and benefitted 156 trainees. *MeraGaonMera Gaurav (MGMG)* launched in different constituent colleges and KVK's of the university has helped the farmers to increase farm production and supplement their income in the field of agriculture and allied activities. Four externally funded projects were also undertaken during the period viz. (i) Farmers FIRST Programme (ii) Integrated Beekeeping Development Centre under Centre of Excellence (iii) Kisan Business School (iv) Augmenting Rapeseed-Mustard Production by Tribal Farmers of NE State for Sustainable livelihood Security.

The University has total staff strength of 1041 including 28 administrative, 269 teaching and 744 non-teaching positions. At the headquarters, there are 15 executive officers in the administrative positions supported by 31 technical and 78 non-technical staffs. In the constituent colleges of the university, there are 9 regular Deans and 4 in-charge Deans, 269 teaching and 635 non-teaching staff. During the year, 3 personals were newly appointed at headquarter and 53 at constituent colleges. 6 staff members were transferred, 9 superannuated, 3 expired and 9 resigned from the service during the year under report. 85 faculty members were also promoted through CAS. A total of 102 trainings, workshops, conferences, seminars, summer schools *etc* were organized at different constituent colleges of the university.

The audit of the accounts of Central Agricultural University, Imphal for the year 2017-18 was conducted by Accountant General (Audit), Manipur during the month of January 2019 as per provisions of section 30(1) of the Central Agricultural University Act, 1992. The final audit report for this audit was issued by Accountant General (Audit), Manipur vide his letter PAG(AU)LB/AB/63/DSAR/CAU/(2017-18)/18-19/288 dated 17th September, 2019 in which in all only three major observations were made. These three observations highlighted an instance of misclassification, over statement of GPF income by erroneous calculation of interest and mismatch between the figures of unit-wise receipt and payments account and consolidated account (schedule 4).

All these errors have already been rectified in the annual accounts of the university for the year 2018-19 and proper care to avoid recurrence of such lapses in future is also being taken. Besides, the suggestions of audit with regard to system of physical verification of assets, adequacy of internal audit *etc.* are also being acted upon by the university.

The Government of India, Ministry of Agriculture and Farmers Welfare, Department of Agricultural Research and Education released Rs. 120.00 crores as grant in aid to the University during the year 2017-18 which was almost utilized in full on the specified purposes.

Various civil construction works were taken up during the year for meeting the required infrastructural facilities of the university. It included University Head Quarter Campus Premises and other corresponding construction works, college buildings, laboratories, hostels, staff quarters, auditorium, information centres, canteen, post office, bank and security barracks *etc.* Work for establishment of multi technology testing centers and vocational training centers in all the existing constituent colleges is under progress.

Faculties of constituent colleges of the university have published 733 research articles comprising of 287 full length research and 29 digital object identifier articles published in NAAS rated national and international journals, 36 seminar proceedings, 150 papers presented in seminars, symposia, 84 popular articles, 22 books, 40 book chapters and 85 manuals/pamphlets *etc.*

The university witnessed the visits of 106 visitors in different college campuses located in seven states of the north east hill region of India during the reporting year. The visitors included eminent administrators, scientists, faculties, meritorious students and progressive farmers of varied experiences.

Central Agricultural University which is a multi campus university is situated within boundaries of six North East Hill Region States. This area is known for lack of communication and social & political disturbances. Consequently, these affect the functioning of the university adversely. Further, being the difficult region of the country, the university is also not getting qualified personnel for senior positions at Head Quarters and in its different campuses. In spite of all these constraints the University is taking care of its mandate related to teaching, research and extension education effectively with the available staff and resources.