

FOREWORD

It is my immense pleasure to present the Annual Report of IDP, NAHEP (2018-19) being implemented in Assam Agricultural University. The project implemented with the financial assistance of ICAR and World Bank had some initial hiccups at the time of implementation in the university, particularly with the transfer and utilization of the fund allocated under different heads. The guidelines for procurements of goods and utilization were not clear to us. However, a series of training had helped to overcome such problems. With the guidance of Dr. P. Ramasundaram, NC, IDP, NAHEP, many issues were handled. It was a hilarious task to arrange institutes for overseas trainings, conducting selection tests as per guidelines within a very short time. A total of sixty-two (62) students were selected to undergo training in four (4) different institutes. However, three (3) of the students failed to qualify the Visa interview for the United States. Hence, fifty-nine (59) students will avail such training. At the time of reporting, two groups of students have already returned and one group is undergoing the training. One group is going on 5th August, 2019. This had very good impact on admission seeker in UG level in AAU and good students are seeking admission in 2019. Altogether 14 faculty members have been selected and approved by ICAR to undergo training in institutes outside India.

There were massive renovation works in all accredited constituent colleges of the University. Equipments have been procured as per approval.

We are expecting a very good progress in 2019-20 across the Colleges of the University with regards to various activities.

I on behalf of Assam Agricultural University thankfully acknowledge all the help and support received from ICAR Headquarter during the course of implementation. All the support received from Dr. N.S. Rathore, DDG, ex National Director, Dr. R.K. Agarwal, ND, Dr. P. Ramasundaram, NC, IDP, Mr. Dilip Roy, Under Secretary are duly acknowledged. Mr. Ashish Pandey, Mr. Rohila and other Staff members of PIU offered tremendous help in liasoning the activities in 2018-19. The PI received immense help and valuable suggestions from Dr. K.M. Bujarbaruah, Honourable Vice Chancellor, AAU, Dean of Faculties of Agriculture, Veterinary Science, Fishery Science, Director of Student Welfare and all the Staff members of the NAHEP Cell of AAU.

(K.K. Sharma)
PI, IDP, NAHEP,
AAU, Jorhat

INTRODUCTION

One of the most important mandates of ICAR/DARE includes promotion and coordination of education in agriculture, agro-forestry, animal husbandry, fisheries, home science and allied sciences in the country. It has been the endeavor of ICAR over the years to strive for uniformity in norms and standards in academics, governance and finance management, quality and relevance of education, and policies on human resource development in the country. ICAR is now embarking upon an ambitious step in further strengthening the National Agricultural Education System in the country through National Agricultural Higher Education Project (NAHEP) with financial assistance of the World Bank by investing on infrastructure, competency and commitment of faculty, and attracting talented students to agriculture.

ICAR - Agricultural Universities (AUs) System comprises 61 State Agricultural Universities (AUs) modelled on the US Land Grant University pattern, five Deemed to be Universities (DUs), three Central Agricultural University (CAUs) and four Central Universities (CUs) with Agriculture Faculty. With about 265 constituent colleges having about 35,000 total student-intake capacities, the AUs impart education in 11 major disciplines at undergraduate and about 95 subjects at post-graduate level. About 55% students in higher agricultural education level are from rural background and 36% are girl students. Besides, about 100 private colleges, affiliated to general universities, and a few in States of Chhattisgarh, Maharashtra, and Tamil Nadu, affiliated to AUs, impart higher agricultural education (Policy for Higher Agricultural Education). The Indian Council of Agricultural Research (ICAR) in collaboration with the World Bank has enunciated a series of projects to revamp the national research, extension and innovation systems. The National Agricultural Higher Education Project has been conceived to enable the agricultural education system catch up nationally and internationally with the peers. This project is aimed at enhancing the capability of best of the agricultural universities in the country (like the DUs in the ICAR system) to become globally relevant and competitive by investing in chosen core activities that have a bearing on their reckoning to be counted in the race.

National Agricultural Higher Education Project is formulated by ICAR with a total cost of US\$ 165 million (Rupees 1100 crore at the exchange rate of Rs. 67.49 = 1US\$) for four years starting from 2017-18. The project is proposed on 50:50 cost sharing basis between

the World Bank and the GOI, implemented at the Education Division, ICAR, New Delhi. It has been formulated with a focus to improve and sustain quality of higher agricultural education. It aims to produce a globally competitive agricultural human resource capable of developing newer technologies and skills for scale up and transfer of new technologies to improve the production system and value addition. Over all, the project aims to develop resources and mechanism for supporting infrastructure, faculty and student advancement, and providing means for better governance and management of agricultural universities, so that a holistic model can be developed to raise the standard of current agricultural education system that provides more jobs and is entrepreneurship oriented and on par with the global agricultural education standards.

Vision, Mission and Values of the Proposed IDP

Vision

Injecting needed level of skill together with strengthened knowledge base into the agricultural graduates so as to make them capable of confronting the current and upcoming challenges to the sector head on as well as to prepare them for self and cross sectoral employment.

Mission

To produce regionally, nationally and globally competitive agripreneurs in the era of globalization and liberalization of agricultural trade and commerce by imparting knowledge and skill based agricultural education.

Values

- Provide quality education and training in the areas of agriculture and allied science
- Promote cordial and inspiring teacher-students relationship
- Transforming job seeker graduates to job provider in agriculture and allied sector
- Service to agriculture means service to society, nation and the globe

Details of Assam Agricultural University:

Assam Agricultural University, the first institution of its kind in the whole of north-eastern region of India was established on April 1, 1969 by an act called *The Assam Agricultural University Act, 1968* with its headquarters at Jorhat. The base of this new institution comprised of the erstwhile Assam Agricultural College at Jorhat and the Assam Veterinary College at Guwahati.

The seeds of agricultural education in the North Eastern part of the country were sown way back in the first quarter of the 20th century with the establishment of two rice research stations, one at Karimganj in the Barak Valley and the other at Titabor in the Brahmaputra Valley in 1913 and 1923, respectively. Even while the stations were producing trainees, the need for an agricultural college was felt immediately after independence. Consequently, the Assam Agricultural College at Jorhat and Assam Veterinary College at Nagaon came into existence in 1948 as a result of exemplary will power and dedication to service of Bharat Ratna Late GopinathBordoloi, the first Chief Minister of Assam. Both the Colleges were affiliated to Gauhati University and then to Dibrugarh University before the Assam Agricultural University came into being embracing both the colleges.

Mandate

- *Imparting technical education in agriculture and allied branches of learning*
- *Furthering the advancement of learning through innovative research in agriculture and allied sciences and*
- *Taking the technologies to the stakeholders' doorstep in an effort to harness optimum benefits in production, profitability and permanency in agriculture.*

Vision

Provisioning of quality human resource to facilitate technology-led agricultural renaissance revitalizing and rejuvenating post-green revolution agriculture ensuring both production and environmental sustainability targeting a minimum of 4 per cent + agricultural growth while addressing the issues of household food and nutritional security, farmers' distress, commerce in agriculture as well as regional, national and global food crisis taking the advantage of innovative technology, market reforms and liberalization.

Mission

To fill up talent gap in agriculture and allied sectors to preposition the state to combat the emerging challenges in agriculture and ensure productivity increase in agri-horti-animal-fish crops on the face of shrinking/ fragmented land holdings, ailing soil health, diminishing water resources and increased human population.

Goals

- ❑ *Provide quality education and training in the areas of agriculture and allied sciences.*
- ❑ *Undertake basic, applied and adaptive research relevant to the needs of the farmers and entrepreneurs of Assam.*
- ❑ *Transfer the technologies to the stakeholders, particularly, farmers for increasing the production, productivity and income to ultimately improve the socio-economic conditions of the people, and*
- ❑ *Play key role in transforming the state's agriculture of subsistence to agriculture of abundance.*

Organization

To carry out the education as per mandate, the University has four Faculties in the fields of Agriculture, Veterinary, Community Science and Fishery with 9 constituent colleges - three in agriculture, two in veterinary science and one each in community science, fishery, horticulture and sericulture. Except horticulture and sericulture, all the other seven constituent colleges have their own state of the art facilities for imparting education in designated locations in the state. The Dean is the official head of the Faculty and Chairman of the Board of Studies of the respective Faculty. There is a Director of Post Graduate Studies to coordinate Post-Graduate Studies in all the departments and colleges of the University. To coordinate the research activities, the University has two full-fledged Directorates of Research, one for agriculture and community science and the other for veterinary science and fisheries science, headed by a Director of Research. The extension programme of the University is carried out under the Directorate of Extension Education headed by a Director of Extension Education.

In addition, the University has Director of Students' Welfare, Director of Physical Plant and Chief Librarian and other important officers as per the Statute. The Director of

Students' Welfare is responsible for arrangement of housing for students, student counseling and placement besides supervising the extra-curricular activities and general needs of the students. The Director of Physical Plant is responsible for all construction related activities and repair/renovation of the University.

Head-wise Budget Sanctioned (2018-19)

(Rs Lakhs)

	Items of Expenditure	2018-19
A.	Goods and Equipment	
	Digitization Accessories	0.00
	Office Equipment	5.00
	Laboratory Equipment	139.00
	Furniture & Fixtures	5.00
	Computer & Peripherals	228.45
	Books & Journals	15.00
	Sub-total (A)	392.45
B.	Civil Works	
	Minor repair & renovation work	126.00
	Sub-total (B)	126.00
	Sub-total (A+B)	518.45
C.	Human Capacity Building	
	National Training	0.00
	International Training	136.40
	Short Visits/ Seminars	14.50
	Meetings and Workshops	23.00
	Sub-total (C)	173.90
D.	Consultancy	
	International	0.00
	National	15.00
	Sub-total (D)	15.00
E.	Recurrent Cost	
	Travel expenses	7.00
	Contractual Services	63.96
	Operational Expenditure	475.00
	Sub-total (E)	545.96
F.	Institutional Charges	27.30
	Sub-total (C+D+E+F)	762.16
	Grand Total	1280.61

Head-wise Budget Sanctioned and expenditure during 2018-19

Sl. No.	Head of Account	Receipt during	Expenditure	Closing Balance
A.	Goods and Equipment			
	Equipment / Plant / Machinery			
	Office Equipment	5,00,000	4,44,683	55,317
	Laboratory Equipment	1,39,00,000	24,50,221	1,14,49,779
	Furniture & Fixtures	5,00,000	4,83,289	16,711
	Computers & Peripherals (Hardware & Software)	2,28,45,000	1,45,02,903	83,42,097
	Books & Journals	15,00,000	10,00,000	5,00,000
B.	Civil Works			
	Minor repairs & renovation works	1,26,00,000	1,13,64,146	12,35,854
	Subtotal (A+B)	5,18,45,000	3,02,45,242	2,15,99,758
C.	Human capacity building			
	National Training	-	-	-
	International Training	1,36,40,000	1,08,00,000	28,40,000
	Short Visit/ Seminar	14,50,000	3,61,327	10,88,673
	Meetings & Workshop	23,00,000	4,99,702	18,00,298
D.	Consultancy			
	National Level Consultancies	15,00,000	50,000	14,50,000
E.	Recurrent Cost			
	Pay & Allowances			
	Travel Expenses	7,00,000	2,23,698	4,76,302
	Contractual Services (RA/SRF/System Analyst/Programmer)	85,96,000	5,23,388	80,72,612
	OPERATIONAL COST	4,53,00,000	2,96,66,303	1,56,33,697
F.	Institutional Charges	27,30,000	18,80,000	8,50,000
	Sub Total (C+D+E+F)	7,62,16,000	4,40,04,418	3,22,11,582
	Grand Total	12,80,61,000	7,42,49,660	5,38,11,340

Procurements under NAHEP, AAU (2018-19)

Furniture & Fixture

Items	Total number	Place of Delivery	Number
File Cabinet	2 Nos.	NAHEP Office	1 Nos.
		Science & Technology Cell	1 Nos.
T9 Table	12 Nos.	NAHEP Office	3 Nos.
		Dept of Horticulture	1 Nos.
		Dept of Plant Pathology	1 Nos.
		Dept of PBG	1 Nos.
		Dept. of Soil Science	1 Nos.
		College of Community Science	1 Nos.
		VC Office	1 Nos.
		Comptroller Office	1 Nos.
		CVSc, Khanapara	2 Nos.
		NAHEP Office	3 Nos.
General Chair	10 Nos.	Dept of Horticulture	1 Nos.
		Dept of Plant Pathology	1 Nos.
		Dept of PBG	1 Nos.
		Dept. of Soil Science	1 Nos.
		College of Community Science	1 Nos.
		CVSC, Khanapara	2 Nos.
		NAHEP Office	3 Nos.
Glass Almirah	4 Nos.	CFSc, Raha	1 Nos.
		NAHEP Office	3 Nos.
Computer Table	3 Nos.	NAHEP Office	3 Nos.
Lockers	3 Nos.	NAHEP Office	2 Nos.
		CVSc, Khanapara	1 Nos.
Executive Table	1 Nos.	NAHEP Office	1 Nos.
Premium Chair	1 Nos.	NAHEP Office	1 Nos.

Office Equipments

Items	Total Number	Place of Delivery	Number
Air Conditioner	1 Nos.	Dept of PBG	1 Nos.
Photocopier	4 Nos.	CFSc, Raha	1 Nos.
		SCSCA, Dhubri	1 Nos.
		NAHEP Office	1 Nos.
		BNCA, Biswanath Chariali	1 Nos.

Computer & Peripherals

Items	Total	Dept/ College	Number
Desktop Computer with UPS	30 Nos.	NAHEP office	4 Nos.
		CFSc, Raha	5 Nos.
		CVSc, Khanapara	5 Nos.
		SCSCA, Dhubri	5 Nos.
		BNCA, Biswanath Chariali	5 Nos.
		Dept. of Soil Science	1 Nos.
		Dept. of PBG	1 Nos.
		Dept. of Plan Pathology	1 Nos.
		Dept. of Tea Husbandry & Technology	1 Nos.
		Dept of Horticulture	1 Nos.
		College of Community Science	1 Nos.
Multimedia Projector with Laser Pointer	10 Nos.	CFSc, Raha	1 Nos.
		CVSc, Khanapara	1 Nos.
		BNCA, Biswanath Chariali	1 Nos.
		College of Community Science	1 Nos.
		SCSCA, Dhubri	1 Nos.
		Bio Pesticide	1 Nos.
		Dean, Faculty of Agri.	1 Nos.
		Organic Seed	1 Nos.
		Bio Fertilizer	1 Nos.
		Tea Husbandry & Technology	1 Nos.
Digital Sound System with Collar Microphone	7 Nos.	College of Community Science	1 Nos.
		CFSc, Raha	1 Nos.
		CVSc, Khanapara	1 Nos.
		BNCA, Biswanath Chariali	1 Nos.
		SCSCA, Dhubri	1 Nos.
		Dean, Faculty of Agri.	1 Nos.
		Bio pesticide	1 Nos.
Printer LaserJet	8 Nos.	NAHEP Office	4 Nos.
		CFSc, Raha	1 Nos.
		CVSc, Khanapara	1 Nos.
		BNCA, Biswanath Chariali	1 Nos.
		SCSCA, Dhubri	1 Nos.
Colour Printer	2 Nos.	VC Office	1 Nos.
		NAHEP Office	1 Nos.
Scanner	4 Nos.	CFSc, Raha	1 Nos.
		CVSc, Khanapara	1 Nos.
		BNCA, Biswanath Chariali	1 Nos.
		NAHEP Office	1 Nos.
Digital Camera	4 Nos.	NAHEP Office	3 Nos.
		Dept. of Plan Pathology	1 Nos.
Development	1 Nos.	AAU Jorhat	

Server		(ARIS CELL)	1 Nos.
Storage Server	2 Nos.	AAU Jorhat (ARIS CELL)	2 Nos.
Production Server	2 Nos.	AAU Jorhat (ARIS CELL)	2 Nos.
UPS (90 Minutes Backup)	10 Nos.	CFSc, Raha	1 Nos.
		CVSc, Khanapara	1 Nos.
		BNCA, Biswanath Chariali	1 Nos.
		College of Community Science	1 Nos.
		SCSCA, Dhubri	1 Nos.
		NAHEP Office	1 Nos.
		System	2 Nos.
		CVSc Library	1 Nos.
		AAU Central Library	1 Nos.
UPS (3 Hour backup)	2 Nos.	System (ARIS CELL)	2 Nos.
Network Printer	25 Nos.	CVSc, Khanapara	3 Nos.
		AAU Central library	4 Nos.
		CFSc, Raha	2 Nos.
		SCSCA, Dhubri	1 Nos.
		BNCA	1 Nos.
		AAU, VC Office	1 Nos.
		AAU, Registrar Office	1 Nos.
		AAU, Comptroller Office	1 Nos.
		DSW, AAU	1 Nos.
		ARIS Cell	5 Nos.
		NAHEP	3 Nos.
College of Community Science	2 Nos.		
Computer	20 Nos.	AAU Jorhat for student facility	20 Nos.

Lab. Equipments

Sl No.	Items	Total Number	Place of Delivery	Number
1	BOD Incubator	1 Nos.	Dept. of Soil Science, AAU Jorhat	1 Nos.
2	Electronic Balance	1 Nos.	Dept. of Soil Science, AAU Jorhat	1 Nos.
3	Deep Freeze	1 Nos.	Dept. of Soil Science, AAU Jorhat	1 Nos.
4	Planetary mixer	1 Nos.	Dept. of FSN, CCSc, AAU Jorhat	1 Nos.
5	Sugar Grinder	1 Nos.	Dept. of FSN, CCSc, AAU Jorhat	1 Nos.

6	Electric Hand Blenders	1 Nos.	Dept. of FSN, CCSc, AAU Jorhat	1 Nos.
7	Mechanical Mixer	1 Nos.	Dept. of Soil Science, AAU Jorhat	1 Nos.
8	Mixing Trays	1 Nos.	Dept. of Soil Science, AAU Jorhat	1 Nos.
9	Refrigerator	1 Nos.	Dept. of FSN, CCSc, AAU Jorhat	1 Nos.
10	Electric Oven	1 Nos.	Dept. of FSN, CCSc, AAU Jorhat	1 Nos.
11	Heat Sealer	1 Nos.	Dept. of FSN, CCSc, AAU Jorhat	1 Nos.
12	Dough Sheeter	1 Nos.	Dept. of FSN, CCSc, AAU Jorhat	1 Nos.
13	Defeathering Machine	1 Nos.	CVSc, Khanapara	1 Nos.
14	Scalding tank	1 Nos.	CVSc, Khanapara	1 Nos.

Books & Journals

Sl No.	Items	Total Number	Place of Delivery	Number
1	E-books	39 Nos.	B.M. Pugh Library, Jorhat	39 Nos.

Civil Works (Minor Repair & Renovation)

Sl. No	Name of Work	Head	Amount
1	Repair & Renovation of classroom at CVSc, AAU Khanapara	NAHEP (Civil Works)	463784.00
2	Repair/ Renovation of existing Building for processing product preparatory and sensory evaluation individual testing booth at CVSc Khanapara	NAHEP (Civil Works)	927474.00
3	Repair/ Renovation of sale booth at CVSc Khanapara	NAHEP(Civil Works)	370004.00
4	Repair/ Renovation of Poultry House at CVSc Khanapara	NAHEP(Civil Works)	462906.00
5	Repair/ Renovation of Hatchery at CoF, AAU Roha	NAHEP(Civil Works)	738455.00
6	Classroom Renovation CFSc	NAHEP(Civil Works)	463784.00
7	Laboratory Renovation CFSc	NAHEP (Civil Works)	300000.00
8	Renovation & Repairing of Lab area/classroom of bio pesticide at AAU Jorhat	NAHEP (Civil Works)	462554.00
9	Renovation of Existing net house and lab at Bio Fertilizer production unit, Department of Soil Science,	NAHEP (Civil Works)	462889.00

	AAU Jorhat		
10	Development of Plot with irrigation and drainage for organic seed production at AAU Jorhat	NAHEP (Civil Works)	462434.00
11	Renovation of Shade and net house of organic seed production AAU Jorhat	NAHEP (Civil Works)	925146.00
12	Repair of Covered Threshing floor of organic seed production at AAU Jorhat	NAHEP (Civil Works)	462401.00
13	Renovation of Office cum Seed testing laboratory cum classroom of organic seed production	NAHEP (Civil Works)	462842.00
14	Renovation of existing poly house of Floriculture at AAU Jorhat	NAHEP(Civil Works)	1161184.00
15	Strengthening of existing laboratory of Floriculture at AAU Jorhat	NAHEP (Civil Works)	925012.00
16	Repair & Renovation of laboratory and class room of College of Community Science at AAU Jorhat	NAHEP (Civil Works)	462936.00
17	Renovation of Classroom at Horticulture Orchard, BNCA, Biswanath Chariali	NAHEP (Civil Works)	462202.00
18	Minor and Miscellaneous repair and renovation work at Tea Husbandry and Technology, AAU Jorhat	NAHEP (Civil Works)	1388139.00
Total			1,13,64,146

MEETINGS AND WORKSHOPS

1. Launching workshops at different colleges of AAU

The National Agricultural Higher Education Project was formally launched in different colleges of AAU on the following dates-

30th October, 2018-

- College of Fisheries Science, Raha.
- College of Veterinary Science, Khanapara.

5th November, 2018-

- Assam Agricultural University, Jorhat campus.

20th November, 2018-

- Biswanath College of Agriculture, Sonitpur, Assam.

4th December, 2018-

- SCS College of Agriculture, Dhubri.

2. AAU-Industry Interface

The National Agricultural Higher Education Project, under the stewardship of Dr. K.M. Bujarbaruah, Hon'ble Vice Chancellor and Dr. K.K. Sharma, PI, NAHEP organized an AAU-Industry Interface on the 19th of March, 2019. The event brought together the students of Assam Agricultural University and 10 dynamic entrepreneurs/ Industrialists from across North East India, who are excelling in their field of work. The meeting provided the university a scope to showcase its technologies to the general public, which was aptly demonstrated by Dr. Ashok Bhattacharyya,(DR, Agri), Dr. B. Bhattacharyya(DDR, Vety) and Dr. Bibha Chetia Borah(in-Charge, Fisheries Research Centre). The students interacted with the entrepreneurs/industrialists regarding establishment of profitable enterprises in the region. The meeting ended on a high note with the vote of thanks by Dr. Rana Pratap Bhuyan, DSW, AAU.

3. An interface and placement drive under NSPDT, Bhopal

NAHEP organized a placement under NSPDT, Bhopal for the students of AAU on the 25th of March, 2019. Two jobs were offered to the students for the post of Executive Trainee on selection.

HUMAN RESOURCE DEVELOPMENT

1. Student Development

- ✓ **Cognitive tests were conducted for the UG students of the different colleges under AAU**

On the 9th of February, NAHEP conducted a cognitive test for the undergraduate students (CGPA>7.50) of the college of Agriculture, Jorhat, College of Community Science, BNCA, CVSc. Khanapara, CFSc. Raha, CA, Dhubri, for shortlisting the students who would be attending training programs at various institutes across the globe. A total of 63 students would be chosen to undergo hands on training on the up-to- date practices in the 4 chosen institutes, namely-

- The Iowa State University, Iowa, USA
- ETH (Eidgenössische Technische Hochschule), World Food System Center (WFSC), Zürich
- International Training Centre on Pig Husbandry, Philippines and
- Asian Institute of Technology, Thailand.

✓ **Exposure trip to ETH Zurich and ITCPH, Philippines**

On The 15th of June, 2019, two groups of students from Assam Agricultural University started their journey to-

1. ETH, Zurich
2. ITCPH, Philippines

The exposure cum educational tour of the visit for both the groups lasted for 15 and 20 days respectively where they got hands on training in the fields of Organic agriculture and Pig husbandry respectively.

2. Faculty Upgradation

- ✓ **Application were invited from faculty members for foreign training, as per the prescribed format provided by NAHEP, AAU**

On the basis of the applications, a meeting was held on 25th March, 2019 in the presence of a selection committee appointed and presided over by the Hon'ble Vice Chancellor, AAU.

The Committee discussed the selection criteria given by ICAR which among others, are:

1. Faculties to be divided into 3 categories
 - a) Below 40 years
 - b) Between 40 years and 50 years
 - c) Among 50 years
2. Candidates with two papers with NAAS ratings of 7 and more be selected.
3. Gender / caste aspects to be seen.

✓ **Accordingly, a total of 14 faculty members have been selected for the foreign training.**

3. Visit of Adjunct Professor

Dr. R.L. Agarwal, Retired Professor, GBPUAT, Pant Nagar, an authority on Organic Agriculture in India joined as Adjunct professor under NAHEP on 18th March, 2019 and interacted with the students and faculties till 13th April, 2019.

Equity Action Plan

Sl. No.	Items	Actions	Implementation agency	Frequency	Monitoring indicators	Budget (if any)
---------	-------	---------	-----------------------	-----------	-----------------------	-----------------

1.	Faculty up gradation	Training for faculty in India and abroad to upgrade their domain knowledge	AAU	Yearly	Research papers published in high rated journal Skilled classes to students	Already Sancioned
2.	Training students in reputed institute/ industries in India and abroad.	Exposure visit/training of students in India and abroad.	AAU	Yearly	Up gradation of students carrier Acquiring Skill	Already Sancioned
3.	Institute to improve non-cognitive and soft skills including communication and presentation skills.	Conduct of special contact sessions on workshops with external experts/faculty/senior students	AAU	Once in a semester	Improvement in proficiency and confidence level of students especially among those with disadvantage backgrounds.	Rs 50,000 per campus for three campuses Rs.1,50,000
4.	Priority in training opportunities to faculty to upgrade their domain knowledge	<ul style="list-style-type: none"> • Formulation of faculty development plan through cross sectional training need assessment • For more participation of all faculty inclusive SC/ST/OBC/Generals, NAAS rating paper may be reduced to 5.0 scale 	AAU	Once in a year	Training in Frontier areas of agricultural Sciences. For inclusion of more faculty from socially disadvantaged class the requirement of two paper with NAAS rating of 7 may be reduced to 6	
5.	Creation of an institutional mechanism to protect	Formation of gender committee/women cell in all the colleges of AAU	AAU	Continuous	Records of any grievances and solutions of the problems if any	

	and address the needs and concerns of women students.	(Directorate of student welfare)				
6.	Creation of gender and differently abled friendly campuses	Renovation of camps, toilets etc. suitable for differently abled.	AAU	Continuous	Increase in comfort level of differently abled students and faculty.	Renovation of ramps for differently abled students Friendly wash room of handicapped in toilets near class room Rs.25000X 5 = Rs.1,25000
7.	Make campus physically and socially gender friendly, especially provide adequate and suitable facilities to women students and faculty.	<ul style="list-style-type: none"> Providing camps/toilets and hostel facilities/street light/boundary walls/security guards for women hostels. 	AAU	Continuous	<p>Increase in comfort and security in hostel.</p> <p>Maintain hygiene by providing Sanitary napkin vending machine</p>	<p>Already taken care by AAU authority</p> <p>Cost of Vending Machine Rs. 10000 X 10 = 100000</p>
8.	Grievance redress mechanism (GRM)	Introduce, and provision of a mobile number and an email address with nomination of a senior faculty as grievance Redressal Officer.	AAU	Continuous	No. of grievances received and time taken to resolve.	-
9.	Labour	<ul style="list-style-type: none"> For safety of 	AAU	Continuous	Increases in safety	Rs.20000 X

	Management Plan.	<p>the workers under NAHEP, aprons, gloves etc. to be provided.</p> <ul style="list-style-type: none"> • First –aid box in all worksites • Incination for safe disposal of sanitary napkin 		ous	measures in laboratories Apron, Gloves.	<p>5 = Rs 100000.00</p> <p>Rs 2000X 5 =10000.00</p> <p>Rs. X10 =</p>
--	------------------	--	--	-----	--	--

Environmental Sustainability Plan

S. No	Proposed Interventions / Activities	Compliances applicable	Possible Environmental Impacts	Mitigation Measures	Scope for the integration of environmental Sustainability concerns	Resources Required (budget, technical support etc.)
1	Laboratory renovation	1. Preservation of Trees Acts	Site clearance for construction may involve cutting / felling of trees	<ol style="list-style-type: none"> 1. Construction should be done without cutting / felling of trees. 2. Compensatory plantation of trees will be done in equal or more number near the same site or suitable alternate site. 	1. In Assam Agricultural University, renovations for already existing laboratory have been proposed.	Not required

		2.National Building Code of India 2005	<p>1. Use of illegally mined or low quality materials may affect the sustainability of environment and the infrastructure.</p>	<p>1. All raw materials should be sourced from authentic and approved vendors, possessing valid permits.</p> <p>2. Regular and stabilized electricity supply should be ensured.</p> <p>3. Laboratories to be equipped with fire extinguishing facilities</p> <p>4. Fire safety instruction to be displayed in the form of poster and orientation to all students, staff and non-teaching staff.</p>	<p>1. Class I Contractors and reputed firms are allotted for such works. It is strictly followed in AAU. All construction materials are continuously checked by the Engineers of the University.</p> <p>2. Provision of standby source for power supply to sensitive and costly equipment is ensured. Proper earthing is done for human and equipment safety.</p> <p>3. Proper design of the</p>	<p>1. For standby source for power supply Rs. 20000/- for 5 laboratories = 100000.00/-</p> <p>2. Fire extinguishers (@ Rs.3000 per unit) = 30000/-</p>
--	--	--	--	---	--	--

					laboratory is required	
		1. The Noise Pollution (Regulation and Control) Rules 2000)	2. Laboratory renovation works may create noise pollution to the surroundings.	Use of sound generating construction equipments should be minimised.	Sound generating construction equipments are allowed to use during off periods or holidays.	
	UG practicals and experiments	Hazardous Wastes Management and Handling Rules (1989 and Amendment Rules, 2000 & 2003)	3. Open disposal of laboratory wastes may contaminate the soil, groundwater etc. 4. Disposal of laboratory waste (chemicals) in to open gutter may contaminate the soil, ground water ,etc	1. Wastes treatment and disposal facility to be created. 2. Separate collection to be planned and treated before disposal.	1. Though no hazardous waste is released from the laboratory of Assam Agricultural University, there should have provisions for safe disposal of common laboratory wastes.	For 5 laboratories (@ Rs 60,000/-) =300000/-
		Environment Protection Act (1986)	1. Some microorganisms may be released into the environment will	1. Release of harmful microorganisms into the environment - will follow the	1. Waste treatment before disposal is required. This mechanis	Rs. 25,000/- (for 5 laboratories)

			<p>impact on health of public</p> <p>2. Import, export, transport, manufacture, process, use or sell of any harmful microorganisms should not be carried out.</p>	<p>guidelines as per the act</p>	<p>m is already adopted in bio-pesticide laboratory of AAU.</p>	
--	--	--	---	----------------------------------	---	--

Training Attended

- **Preparation of Project Plan:** Dr. Kishore Kumar Sharma attended workshop on 23rd August, 2017
- **Training for procurement:** Mr. Ranin Sharma attended STEP Training at NASC Complex, New Delhi on 30th-31st July, 2019
- **Training for Finance:** Mr. Dhiren Khound and Mr. Dipankar Deka attended STEP Training at NASC Complex, New Delhi on 30th-31st July, 2019
- **ESP and EAP:** Dr. Nabaneeta Gogoi and Dr. Kaushik Das attended the Workshop on Environmental and Social Safeguard Policy at NASC Complex, ICAR, New Delhi
- **PME:** Sensitization Workshop on Monitoring and Evaluation (M&E) being held on 28th June, 2019 at NAS Complex, New Delhi

Contractual Services:

- **Accounts Assistant:** 2 numbers of Account Assistant were appointed (@ Rs. 25000 per month)
- **Office Assistant:** 1 number of Office Assistant was appointed (@ Rs. 25000 per month)
- **Junior Research Fellow (JRF):** 9 numbers of JRF have been appointed (@ Rs. 28000 per month)

PHOTO GALLERY

NAHEP OFFICE LAUNCH



NAHEP LAUNCHING WORKSHOP



College of Agriculture, Jorhat, AAU



Biswanath College of Agriculture, AAU



SCS College of Agriculture, AAU



College of Fisheries, AAU, Raha

COGNITIVE TEST FOR SELECTION OF STUDENTS



College of Agriculture, Jorhat



**Biswanath College of Agriculture,
Biswanath Chariali, AAU**



**College of Veterinary Sciences,
Khanapara, AAU**

AAU INDUSTRY INTERFACE





VISIT BY ADJUNCT PROFESSOR



STUDENT DEVELOPMENT



1. ETH, Zurich



Prior to departure at Lokpriya Gopinath Bordoloi International Airport, Guwahati



Faculty members awaiting arrival of AAU students at the Zurich International Airport



Traditional Welcoming ceremony at ETH, Zurich



Students engrossed in group work on policies related to agriculture and food systems



Field visits at ETH, Zurich

2. ITCPH, Philippines



Students at the International Training Centre for Pig Husbandry, Philippines



Students involved in hands-on training at the institute

3. Asian Institute of Technology, Thailand



NAHEP, AAU in media

Publications

