



Annual Report

2021-22



Extension Education Institute (NE Region)
Ministry of Agriculture & Farmers Welfare, Govt. of India
Assam Agricultural University, Jorhat-785013



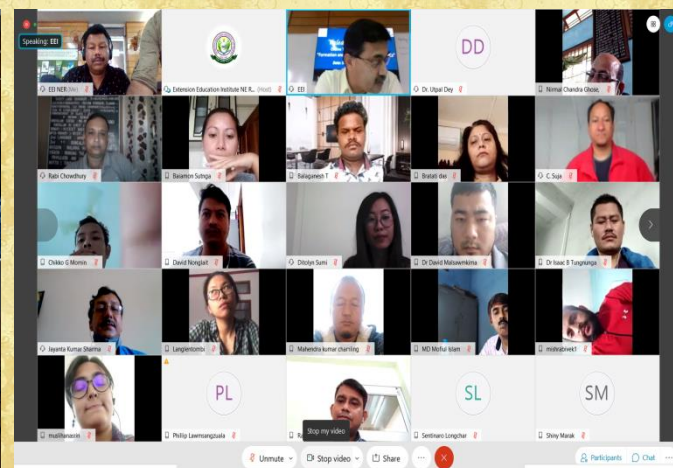
First Online training programme on “Efficacy of FPO-Extension Methods and Tools” conducted in three modules during June & June, 2021



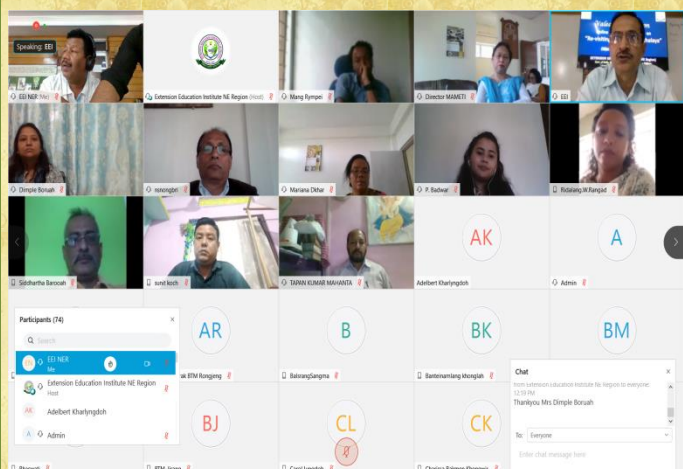
Online training programme on “Formulation of Business Plan and Agricultural Entrepreneurship Development” during August 17-21, 2021



Online EEI-SAMETI meet of NE Region held on August 13, 2021



Online training programme on “Formation and Management of FPOs/ FPCs” during September 14-18, 2021



Online training programme on “Revisiting of Strategic Research Extension Plan” in collaboration with MAMETI, Meghalaya, Sept 1-14, 2021



Online presentation during training session in the training programme on “Value addition of selected Agril. Commodities in Nagaland and management of enterprise” in October 6-9, 2021

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ABOUT THE INSTITUTE

Extension Education Institute (EEI) is a regional level institute with the main mandate of providing capacity building to middle level extension functionaries of the departments and organizations of agricultural development, particularly in the discipline of Extension Education. The Department of Agriculture, Cooperation and Farmers' Welfare (DAC&FW), Ministry of Agriculture & Farmers' Welfare (MoA & FW), Govt. of India has established four EEIs for four regions of the country: EEI (Southern Region) at Hyderabad, Andhra Pradesh, EEI (Northern Region) at Nilokheri, Haryana, EEI (Western Region) at Anand, Gujarat, and EEI (NE Region) at Jorhat, Assam. EEI (NE Region) was established in 1987 at Assam Agricultural University (AAU), Jorhat to cater to the need of capacity building of the extension functionaries of the NE states. It functions under the administrative control of Assam Agricultural University (AAU), Jorhat on the basis of annual *Memorandum of Understanding* between the Department of Agriculture, Cooperation and Farmers' Welfare (DAC&FW), Ministry of Agriculture & Farmers' Welfare (MoA & FW), Govt. of India, New Delhi and AAU, Jorhat. The Department of Agriculture, Cooperation and Farmers' Welfare (DAC&FW), Ministry of Agriculture & Farmers' Welfare (MoA & FW), Govt. of India provides the fund for the institute under its non-plan budget head.

1.1. Vision of the Institute

Achieving excellence as a premier institute in facilitating capacity building of extension functionaries for sustainable development of agriculture in NE states of India.

1.2. Mission of the Institute

- Developing competencies of extension personnel in providing professional extension service to farming community.
- Enhancing effectiveness of extension systems in planning, implementation, monitoring and evaluation of programmes and projects for sustainable agricultural development.
- Developing and improving approaches, methodologies, tools and techniques relating to training and extension education.

"Man's mind, once stretched by a new idea, never regains its original dimensions."

— Oliver Wendell Holmes

The operational area of EEI (NE Region) covers nine states which include, Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura and West Bengal.

The EEI Management Committee is the apex body of the institute. The Vice Chancellor, Assam Agricultural University is the Chairperson of the committee, and the Director, EEI is the Member Secretary. The Management Committee meeting is generally held once or twice in a year to review the performance of the institute, and to make policy decisions for its effective functioning. The Director of the Institute is responsible for managing its programmes and day-to-day management and administration. The Director works under the administrative control of the Vice Chancellor, AAU.

1.3. Mandate of the Institute

- To develop competencies of middle level extension functionaries of client departments and organizations on application of advanced concepts, approaches, methodologies, tools and technologies of agricultural extension.
- To build capacity of extension personnel for efficient dissemination of frontline agricultural technologies.
- To facilitate extension systems and personnel in planning, implementation, monitoring and evaluation of agricultural development programmes and projects.
- To provide demand driven consultancy services to agriculture and allied departments in planning, implementation, monitoring and evaluation of agricultural development programmes and to address issues relating to extension management.
- To carry out action research in agricultural extension and training in order to bring improvement in approaches, methodologies, tools and techniques of training and extension education.

You don't learn to walk by following rules. You learn by doing, and by falling over.'

—Richard Branson

1.4. The Training Planning Process

Organizing training programmes on need based areas of capacity building of the concerned extension functionaries in the field of 'Extension Education' has been the main activity of the institute. However, since 2006-07, the institute started to organize a few of training courses per year on frontline agricultural technologies based on the identified training needs.

The district, sub-division and block level Extension Officers of the Departments of Agriculture, Horticulture, Animal Husbandry and Veterinary, Fishery and Sericulture are the core target groups of EEI's training courses. Trainers of Krishi Vigyan Kendra (KVKs) and State Agriculture Management & Extension Training Institute (SAMETIs) are the secondary group of intended trainees. The extension functionaries of NGOs are also invited to participate in some of the training courses. The institute sometimes organizes courses for field functionaries in order to meet special training needs of client departments.

EEI (NE Region) identifies the training needs of its client departments every year in order to prepare its annual training calendar. The process starts during the month of January and completes within the month of March.

It comprises of 6 steps:

Step 1: Compilation of training needs obtained from the participants of the training programmes of previous year.

Step 2: Preparation of 'Annual Training Need Assessment Questionnaire' by utilizing information obtained through a number of ways:

- a) Priority areas of on-going programmes/projects/schemes of agricultural development in the north-eastern states
- b) Area of Training Needs of the participants of the current year's training programmes of the institute.

A Proforma is used to obtain training needs of each participant on the last day of each training programme of the institute.

"Change is the end result of all true learning."

— Leo Buscaglia

c) Task -analysis of intended targeted participants

d) Suggestion of the EEI Management Committee and the Directorate of Extension, Ministry of Agriculture, Govt. of India, New Delhi

Step 3: Obtaining areas of the training needs of the extension functionaries of various cadres of the relevant departments and organizations by mailing the questionnaires to the administrative heads.

Step 4: Finalization of thrust areas and themes of capacity building in the Annual Training Planning Workshop for MANAGE, EEIs and SAMETIs' organized by MANAGE, Hyderabad.

Step 5: Updating of the training needs obtained as stated above in the Regional Workshop which is organized every year.

Step 6: Submission of proposed Annual Training Calendar to the Directorate of Extension, DAC&FW, MoA&FW, GOI for obtaining approval.

The Annual Training Calendar of EEI (NE Region) includes two types of training programmes:

a) **On-campus programmes:** The programmes are organized at the institute. These programmes are usually organized for extension functionaries of the client states.

b) **Off-campus programmes:** The programmes are organized in any of the client states other than Assam. The idea of organizing an **Off-Campus** course is to develop KAS of a group of officers of one or more departments of a particular client state on a need based training area.

In addition to the scheduled courses of annual training calendar, the institute has been conducting additional courses catering to the emerging needs of client departments. The institute is having competent faculty to take up consultancy service on agricultural extension management, planning, monitoring and evaluation of development projects, and to plan and implement capacity-building projects in the client states.

In addition to training programmes, the institute proposes research studies as per direction of competent authority.

"Live as if you were to die tomorrow. Learn as if you were to live forever."

— Mahatma Gandhi

2. ACADEMIC PROGRAMMES CONDUCTED DURING 2021-22

The salient aspects of different types of programme conducted by the institute in the current year i.e. 2021- 22 are:

- 2.1. Summary of the Training/Workshops conducted during 2021-22
- 2.2. Summary of On-campus programmes conducted during 2021-22
- 2.3. Summary of Off- campus programmes conducted during 2021-22
- 2.4. State-wise distribution of participants in the training programmes during 2021-22
- 2.5. Gender distribution of participants during 2021-22
- 2.6 Caste wise distribution of participants during 2021-22
- 2.7. Post Graduate Diploma in Agricultural Extension Management (PGDAEM)
- 2.8. Abstract of Training Programmes conducted during 2021-22
- 2.9. Regional Workshop at EEI (NER), Jorhat in online mode
- 2.10. Abstracts of Action Research 2021-22
- 2.11. Skill Development Training

2.1. Summary of Training/Workshops conducted during 2021-22

The institute conducted 36 training/workshops during 2021-22. Out of 36 training/workshops, 31 were conducted in online mode and 5 were conducted in offline mode. Among the training/workshops conducted during the year, 10 were **On-Campus**, 22 were **Off-Campus**, 3 were **skill Development training** and 1 **Regional workshop**. The targeted number of participants was 1140 while a total of 1234 participants attended the programmes. Thus, the percentage of seat utilization in the programmes of the year was 138.60 per cent. The percentage of seat utilization in the programmes was higher substantially as because 33 programmes were conducted in online mode and so, more number of participants than that of targeted could attend the programmes.

"He alone is the true teacher who is illuminated by the light of true knowledge"
— Sri Radhakrishna

In addition to the training/workshops, the institute conducted one Action Research Project on entitled as “Community Participation for Farming as an Enterprise: 2020-22”

Further the institute as Study Centre of PGDAEM programmes, MAMAGE, Hyderabad conducted Contact classes of PGDAEM programmes for two states, Assam and Nagaland during the year.

Table 2.1: Summary of the Training/Workshops conducted during 2021-22

The summary of different categories of training/workshops were placed in the table given below:

Type	Nos. of Programme		Participants		% of seat utilization
	Target	Achievements	Target	Achievements	
On – Campus	10	8	300	529	
Off- campus	22	17	660	736	
Skill Development Training (ASCI-200 Hrs)	3		80		
Regional Workshop	1		100		
Total	36				

2.2. On-Campus programmes conducted during 2021-22

During 2021-22, the institute conducted 10 numbers of **On-Campus** training programmes in online mode in which 529 personnel participated while the targeted number of participants was 300. The details of the On-campus training programmes conducted during 2021-22 are shown in the Table 2.2.

You don't learn to walk by following rules. You learn by doing, and by falling over.'
—Richard Branson

Table 2.2: On-campus training/workshops programmes conducted during 2021-22

SN	Course Title	Duration	No of targeted participants	No. of participants attended	Percentage of Seat utilization (%)
1	Efficacy of FPO -Extension Methods and Tools	June 01-05, 2021	30	87	290
2	Production and use of Mass-media resources for Agril. Extension	June 22-26, 2021,	30	96	320
3	Participatory approaches for Natural Resource Management (NRM)	July 13-17, 2021	30	77	256.67
4	Formulation of Business Plan and Agricultural Entrepreneurship Development	Aug 17-21, 2021	30	53	176.67
5	Production and use of Mass-media resources for Agril. Extension)	Aug 31-Sept 04, 2021	30	55	183.33
6	Application of Artificial Intelligence in Agricultural Extension	Sept 27-Oct 01, 2021	30	62	206.67
7	Climate Resilient Agriculture: Approaches and Practices	Nov 15-19, 2021	30	68	226.67
8	Livestock based Entrepreneurship Development in NE Region-Prospects, Problems and Successful Initiatives	Jan 04-08, 2022	30	31	103.33
8	Social Values, Work Culture and Work Ethics	Feb 08-11, 2020	30		
10	Sustainable agriculture and livestock management	Feb 15-19, 2021	30		
Total			300		

*'What you think, you become. What you feel, you attract.
What you imagine, you create.'* —Buddha

2.3. Off-Campus programmes conducted during 2021-22

The institute conducted 18 numbers of Off-campus courses in online mode and 4 numbers of Off-campus courses in offline during the year 2021-22 covering 9 states viz. Assam, Tripura, Nagaland, Sikkim, West Bengal, Arunachal Pradesh, Manipur, Mizoram and Meghalaya. As shown in the Table 2.3, the participation of officers in all the 22 nos. of off-campus programmes was encouraging. The total number of participants in the 22 off-campus courses were 736 while targeted number of participants was 660, and thus, the overall percentage of seat-utilization was 118.33 percent.

Table 2.3: Off-campus training/workshops programmes conducted during 2021-22

SN	Course Title	Duration (4 days)	States	No. of targeted participants	No. of participants attended	Percentage of seat utilization (%)
1.	Atmanirbhar Bharat: Way forward through Entrepreneurship Development	June 08-11, 2021	SAMETI, Nagaland	30	41	136.67
2.	Production and Marketing of Bio-Inputs through Entrepreneurship Development	June 15-18, 2021	SAMETI, West Bengal	30	45	150
3.	Re-visiting of Strategic Research and Extension Plan (SREP)	June 23-25, 2021	SAMETI, Assam	30	35	116.67
4.	Agri-Entrepreneurship Development through FPO for youth in Tripura	June 29-July 2, 2021	T-SAMETI, Tripura	30	85	283.33
5.	Marketing approaches and skills for Extension Functionaries	July 06-09, 2021	SAMETI, Assam	30	57	190
6.	Multiple cropping management system for sustainable agriculture	July 27-30, 2021	SAMETI, Arunachal Pradesh	30	45	150
7.	Mainstreaming farm women for agricultural development	Aug 03-06, 2021	SAMETI, Sikkim	30	79	263.33
8.	Atmanirbhar Bharat: Way forward through FPO	Aug 10-13, 2021	MAMETI, Meghalaya	30	49	163.33

'Intelligence is the ability to adapt to change.'

—Stephen Hawking

9.	Efficacy of FPO -Extension Methods and Tools	Dec 03-05, 2020	IISM, Manipur	30	55	183.33
10.	Advanced propagation techniques of Horticultural Crops	Dec 15-18, 2020	SAMETI, West Bengal	30	28	93.33
11.	Cloud Computing in Agricultural Extension	Dec 15-18, 2020	T-SAMETI, Tripura	30	47	156.67
12.	Tools and Techniques for e-Governance	Jan 18-21, 2021	SAMETI, Mizoram	30	29	96.67
13.	Documentation and writing skills for Extension Professional	Jan 27-30, 2021	SAMETI, Assam	30	24	80.00
14.	Social Values, Work Culture and Work Ethics	Jan 27-30, 2021	SAMETI, Meghalaya	30	31	103.33
15.	Digital marketing and ICT tools for Agricultural Marketing	Feb 04-06, 2021	SAMETI, Assam	30	27	90
16.	Promotion of Integrated Farming System (IFS) in Nagaland	Feb 09-12, 2021	SAMETI, Sikkim	30	30	100.00
17	Documentation and writing skills for Extension Professional	Feb 16-19, 2021	SAMETI, West Bengal	30	29	96.67
18	Climate Resilient Agriculture: Approaches and Practices	Feb 16-19, 2021	T-SAMETI, Tripura	30		
19	Management Information System and Web Designing	Feb 22-26, 2021	SAMETI Nagaland	30		
20	Sustainable agriculture and livestock management	March 02-05, 2021	SAMETI Arunachal	30		
21	Terrace gardening and its prospects in NE states	March 02-05, 2021	SAMETI Nagaland	30		
22	Management Information System and Web Designing	March 09-12, 2021	SAMETI Manipur	30		
Total				660		

"An investment in knowledge pays the best interest."

— Benjamin Franklin

2.4. State-wise distribution of participants in training programmes and workshops during 2021-22

The distribution of participants across the states is shown in Fig.1. The state-wise distribution of data is presented at Appendix I (Table 2). From the figure, it could be seen that Assam is having the highest numbers (477) of participants followed by Meghalaya (245), Manipur (195), Nagaland (174), Mizoram (120), Arunachal Pradesh (106) Sikkim (88), Tripura (70), and West Bengal (57) and others (48).

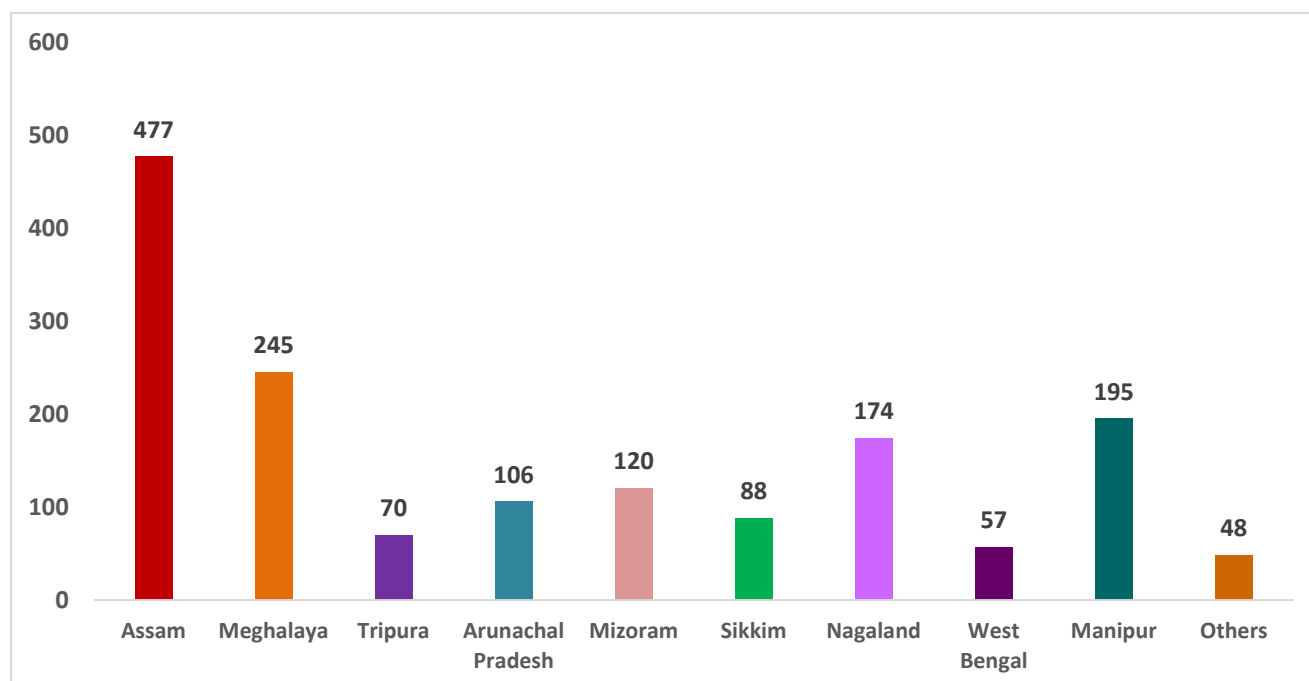


Fig.1: State-wise distribution of participants in training programmes and workshops during 2021-22

2.5. Gender distribution of participants during 2021-22

The gender distribution of participants during 2021-22 is given in Fig.2. Efforts were being made to enhance women participation. During 2021-22, women participation was 48 percent as against male participation which was 52 percent.

“The whole purpose of education is to turn mirrors into windows.”
— Sydney J. Harris

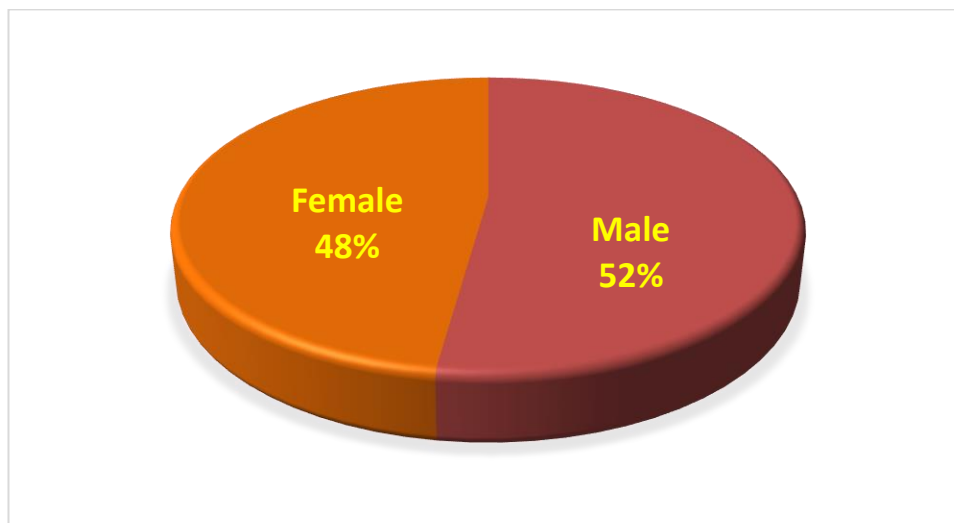


Fig.2: Gender distribution of participants during 2021-22

2.6. Caste wise distribution of participants during 2021-22

The caste wise distribution of participants during 2021-22 is given in Fig.3. During the year 2020-21, General participants were 29 percent, OBC participants were 22 percent, ST participants were 46 percent and SC participants were only 3 percent.

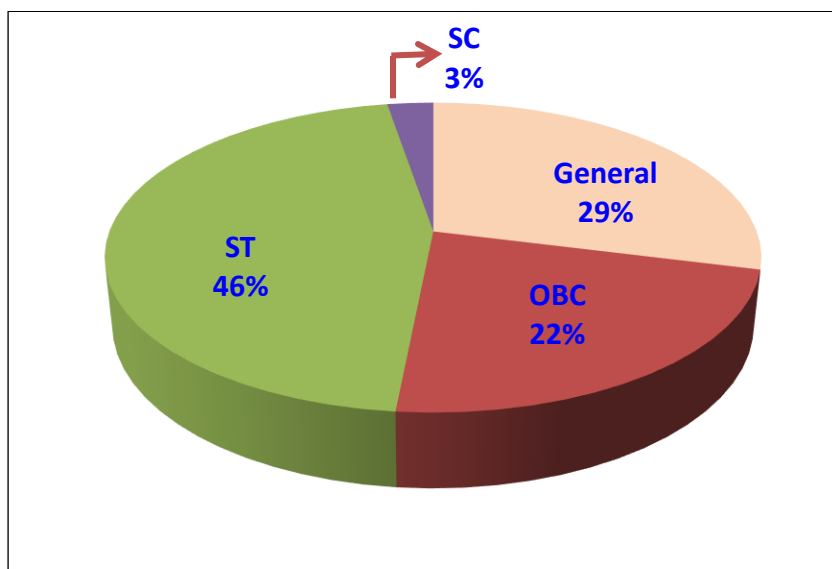


Fig.3: Caste wise distribution of participants during 2021-22

'Knowledge is a weapon. I intend to be formidably armed'
—Terry Goodkind

2.7. Post Graduate Diploma in Agricultural Extension Management (PGDAEM)

EEI (NE Region) has been implementing Post Graduate Diploma in Agricultural Extension Management (PGDAEM) as study centre for the state of Assam since 2010-11 and for the state of Nagaland since 2011-12 in collaboration with SAMETI, Assam and SAMETI, Nagaland. The table below, presents brief statement of this programme of distant mode of learning on Extension Education implemented by MANAGE, Hyderabad since 2007-08. The status of PGDAEM in the states of Assam and Nagaland are given below.

Table.2.7: Status of PGDAEM in the states of Assam and Nagaland

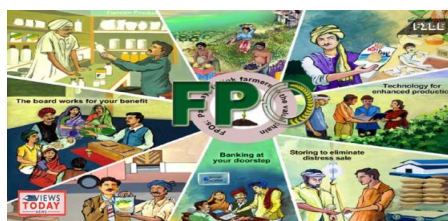
State	Year		No. of candidates enrolled	No. of candidates successfully completed
Assam	2015-16	1 st semester		
		2 nd semester		
	2016-17	1 st semester		
		2 nd semester		
	2017-18	1 st semester		
		2 nd semester		
	2018-19	1 st semester		
		2 nd semester		
	2019-20	1 st semester		
		2 nd semester		
Nagaland	2015-16	1 st semester		
		2 nd semester		
	2016-17	1 st semester		
		2 nd semester		
	2017-18	1 st semester		
		2 nd semester		
	2018-19	1 st semester		
		2 nd semester		
	2019-20	1 st semester		
		2 nd semester		

"Science without religion is lame, religion without science is blind"

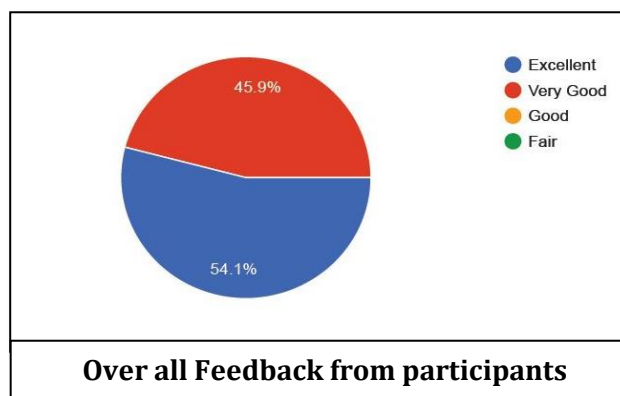
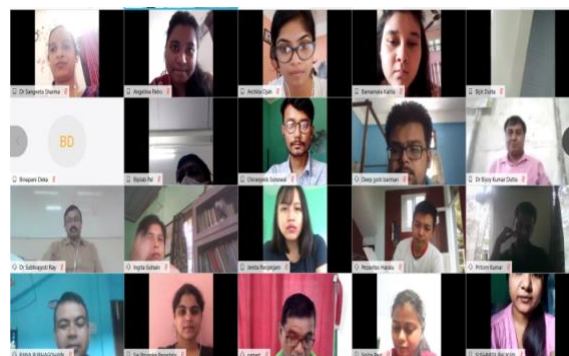
-Albert Einstein

2.8. Abstract of Training Programmes conducted during 2021-22

1. Efficacy of FPO-Extension Methods and Tools



Collectivization of producers, especially small and marginal farmers, into producer organisations has emerged as one of the most effective pathways to address the many challenges of agriculture but most importantly, improved access to investments, technology and inputs and markets. Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India has identified farmer producer organisation registered under the special provisions of the Companies Act, 1956 as the most appropriate institutional form around which to mobilize farmers and build their capacity to collectively leverage their production and marketing strength. of Agri commodities in NE States. Role of APEDA in promoting exports of Agri commodities in NE States. Keeping this in view, training on **“Efficacy of FPO-Extension Methods and Tools”** was organized by EEI (NE Region), Jorhat in online mode during **June 01-05, 2021**. Total eighty seven (87) Extension Functionaries were participated in the training programme.

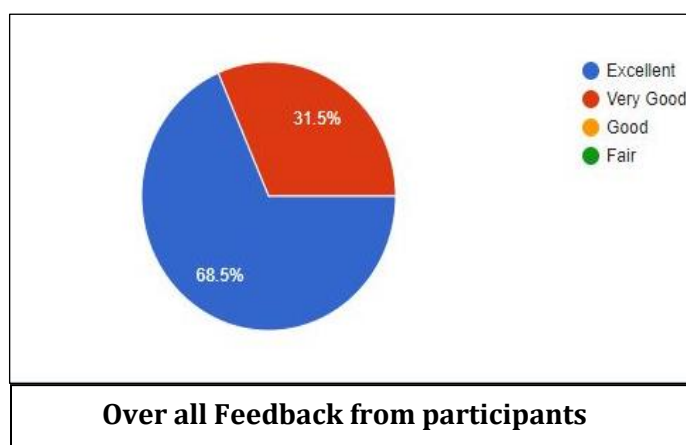
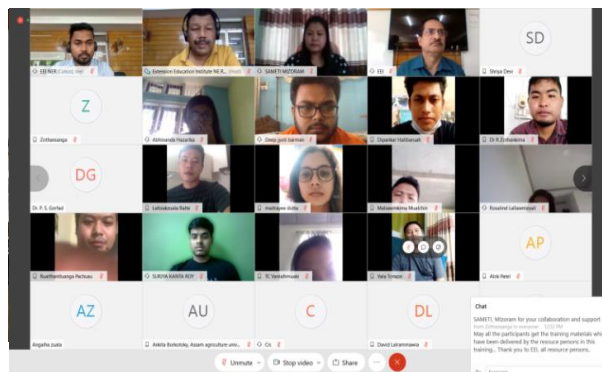


*‘Knowledge with action converts adversity into prosperity
-Abdul Kalam*

2. Atmanibhar Bharat-Way forward through Entrepreneurship Development



A training programme on “**Atmanibhar Bharat: Way forward through Entrepreneurship Development**” was organised by EEI (NE Region), Jorhat in online mode in collaboration with SAMETI, Nagaland during **June 08-11, 2021**. The topics discussed during different session of the training programme were: Concept, Characteristics and qualities of Entrepreneurs, Significance of Entrepreneurship for Agricultural Development, Managerial skills for Entrepreneurship development, Prospects and constraints of agri-enterprises development, Entrepreneurship development among rural women, Most Potential Agri-enterprises in NE states, Economic parameters for Agri-entrepreneurship development, Tips to write success story, Agri-entrepreneurship Planning and Development etc. Total 41 participants participated in the programme

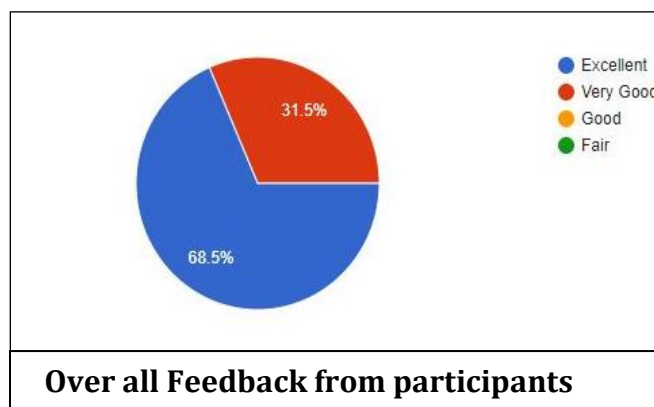
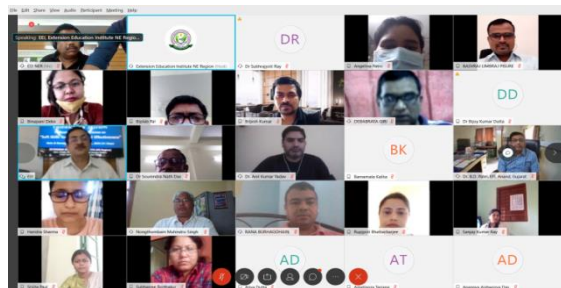


“The end product of education should be a free creative man, who can battle against historical circumstances and adversities of nature.” -Dr. S. Radhakrishnan

3. Production and Marketing of Bio-Inputs through Entrepreneurship Development



Organic farming is a holistic production management system which promote and enhances agro-ecosystem, health including biodiversity, biological cycle and soil biological activities. Organic farming improves the bulk density of soil up to a layer of 25 cm and reduces resistance to penetration, supplement nitrogen up to 50% of the nitrogen requirement of the crop. Bio control measures keep food free from pesticides residues and do not pollute the soil and water. INM refers to combination of all resources of plant nutrient with sole objectives of obtaining sustainable and environmentally safe crop production. Looking into hazards of chemical residues, people prefer organically produced crop than that of inorganically produced. Keeping this in view, a training was conducted at EEI (NE Region), Jorhat in online mode during **June 15-18, 2021 on “Production and Marketing of Bio Inputs through Entrepreneurship Development in collaboration with SAMETI, West Bengal”**. Total forty five(45) Extension Functionaries were participated in the training programme.



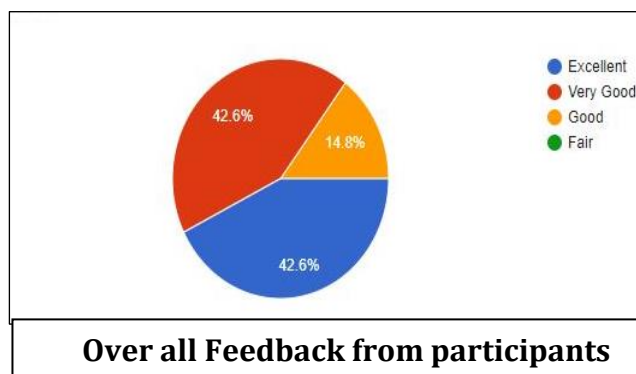
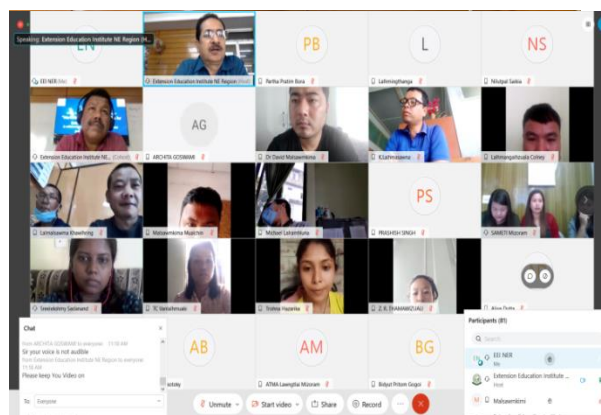
“Always walk through life as if you have something new to learn and you will.”

— Vernon Howard

4. Production and use of Mass-media resources for Agril. Extension



Extension work involves great deal of social interaction and communication within a team and also with the clientele. In order to provide efficient services, relationships need to be developed within the team and also with the clients. Extension functionaries possessing a proper set of communication skills backed by certain attitude and skills can go a long way in effectively reaching out the client. During **June 22-26, 2021** a training programme on **“Production and use of Mass media resources for Agril. Extension”** was organised for the Extension Functionaries of all North Eastern states in online mode. The topic of discussion during training were: Need of Mass Media in Agril, Extension, different types, Digidice: Advanced techniques in mass contact, importance of social media, video production and photographic techniques. A total of ninety six (96) participants from Dept. of Agriculture, veterinary, fishery and ATMA participated in the programme.



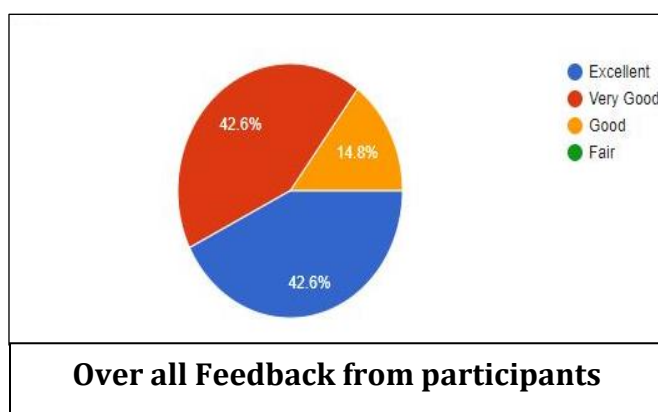
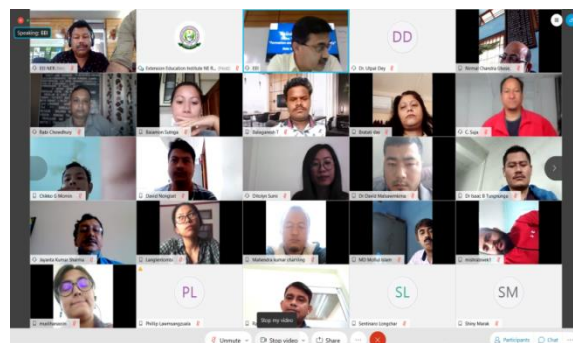
‘Learning is synthesizing seemingly divergent ideas and data.’

—Terry Heick

5. Re-visiting of Strategic Research and Extension Plan



Based on demand of Extension Functionaries to prepare the SREP for their respective state a training programme on **“Revisiting of SREP”** was conducted at EEI (NE Region), Jorhat in online mode during **June 23-25, 2021** in collaboration with SAMETI, Assam. The participants were discussed with the topics like: Strategic Research and Extension Plan, Different concept involved in preparation of different chapters of SREP like: Agro-Ecological Situations (AESs), Resource poor person, Resource rich farmers, Integrated pest management, Integrated nutrient management, SWOT analysis, Farming system, Farming situation, seed replacement ratio, Marketing plan, Base line survey and policy issues etc. Total 35 participants participated in the programme.



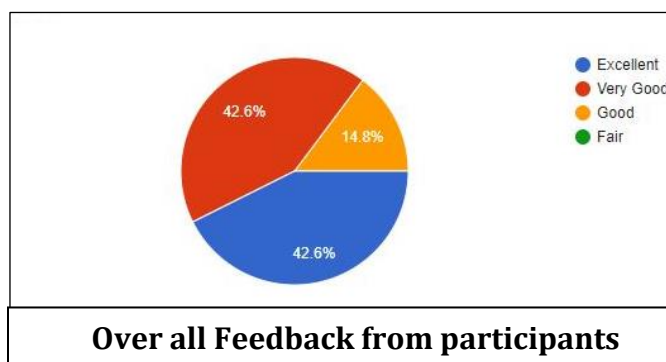
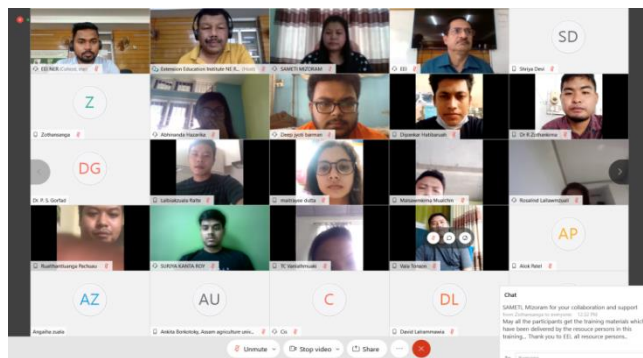
“Science is a beautiful gift to humanity; we should not distort it.”

-A. P. J. Abdul Kalam

6. Agri-Entrepreneurship Development through FPO for youth in Tripura



A training programme on “**Agri-Entrepreneurship Development through FPO for youth in Tripura**” was organised by EEI (NE Region), Jorhat in online mode in collaboration with SAMETI, Tripura during June 29-July 02, 2021. The topics discussed during different session of the training programme were: Concept, Characteristics and qualities of Entrepreneurs, Significance of Entrepreneurship for Agricultural Development, Significance of FPO and its growing importance, Procedure and steps to develop FPOs/FPCs, Harnessing market through FPO/FPCs, Linking FPO/FPCs to Market, Extension Methods in formation and promoting FPO/FPCs, Prospects and Role of FPOs in supporting farmers in NE Region, Agri-entrepreneurship Planning and Development etc. Total 85 participants participated in the programme.



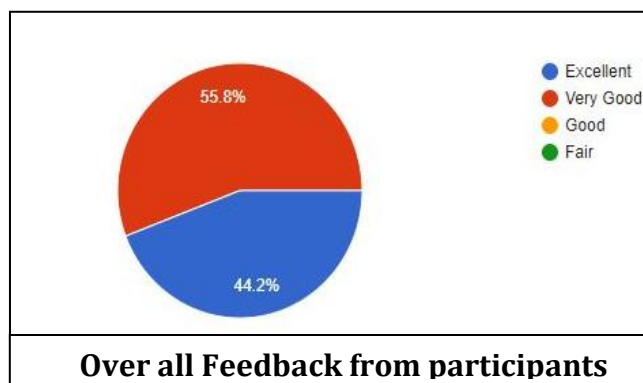
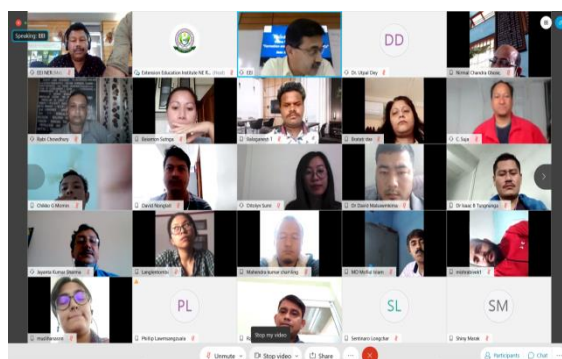
“The beautiful thing about learning is that nobody can take it away from you.”

— B.B. King

7. Marketing approaches and skills for Extension Functionaries



Income of rural consumer depends upon the efficiency of marketing of agricultural produce irrespective of the technology adopted in production. Any technology Innovation should go hand in hand with efficient marketing. Keeping this in view, a training on **“Marketing approaches and skills for Extension Functionaries”** was conducted at EEI (NE Region), Jorhat in online mode in collaboration with SAMETI, Assam during **July 06-09, 2021**. Total 57 Extension Functionaries were participated in the training. Faculty members of EEI (NE Region) along with experts from Dept. of Agricultural Economics and Farm Management. Production Economics with relevance to extension in NE states, Identification of market potentialities in NE Region, Marketing management – types of markets, Marketing mix, Use of social media for Agril. Marketing, M-Extension, E-extension and its applications for Agril. Marketing, Entrepreneurship developmen for Agril. Marketing etc. were discussed during the programme .



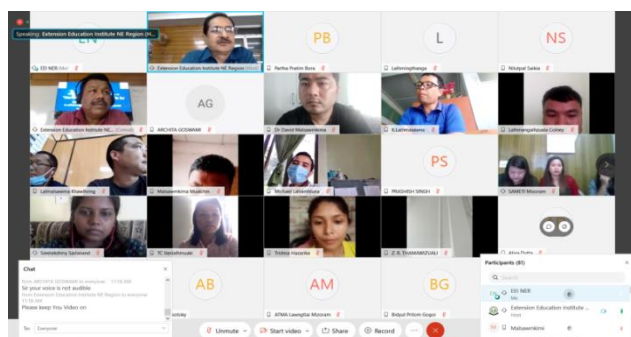
“Success is a science; if you have the conditions, you get the result.”

-Oscar Wilde

8. Participatory approaches for Natural Resources Management

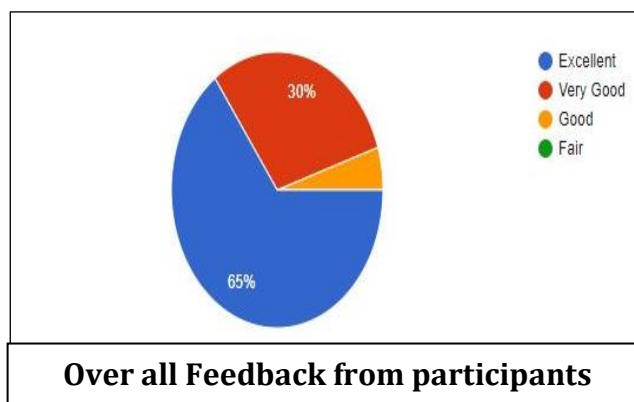


In the fast changing world scenario, where repeated exposure of ever- increasing knowledge and sophisticated technology are occurring in quick succession, it is essential that all the human resources at different levels should work at a very high level of efficiency. With



this aim, a training programme on **“Training Methods and Training Management for Trainers”** was arranged in online mode during **Nov 02-06, 2020** for the Extension Functionaries of whole North Eastern Region. The topic of discussion were: Designing Training Programmes and

formulation of Training Objectives, Important guidelines for Lesson Planning in Training Programmes, An overview of Training Methods, Practice on Lesson Planning and Training Programme Designing, An overview of Low cost A.V Aids, Concept and Techniques of conducting Method Demonstration, Concepts, Practices and Principles of conducting Brainstorming Session and Buzz session, Tips of conducting Focused Group Discussion. Total 35 (Thirty five) Extension Functionaries from all over North Eastern region participated in the programme



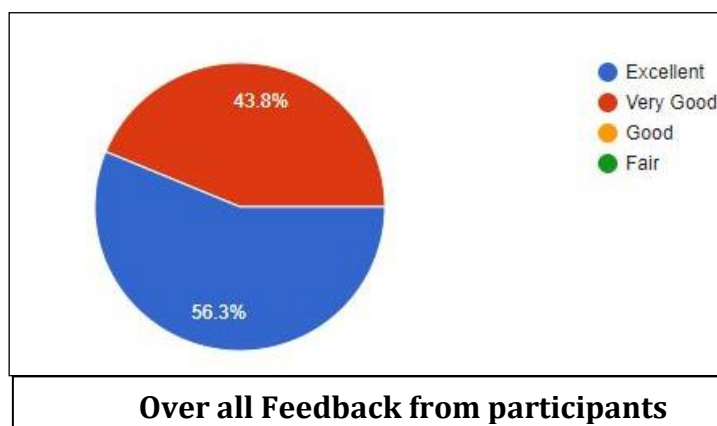
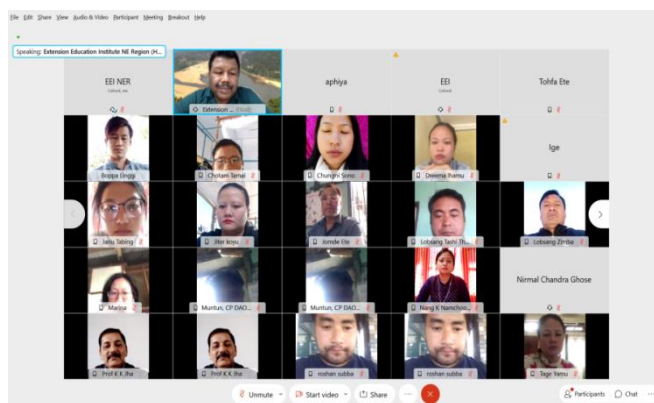
“Creativity is seeing the same thing but thinking differently.”

-A. P. J. Abdul Kalam

9. Multiple cropping management system for sustainable agriculture



Multiple cropping is a farming practice involving two or more crop species or genotypes growing together and coexisting for a certain period. It is getting importance as farmers intensifying land use to remain competitive and provide the increasing world demand for different crop originated products and, in many subsistence, or low-input/resource-limited agricultural systems on the fringes of modern intensive agriculture. In order to meet the fluctuating market demands, formation of farmer groups and community organization could serve as an effective tool for empowering farmers to increase their income, a training was organized at EEI (NE Region), Jorhat in online mode on **“Multiple cropping management system for sustainable agriculture”** during July 27-30, 2021. Total 59 (Fifty nine) Extension Functionaries participated in the programme.

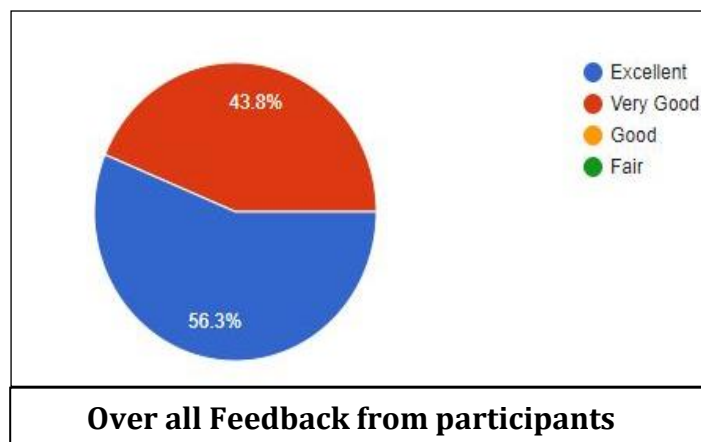
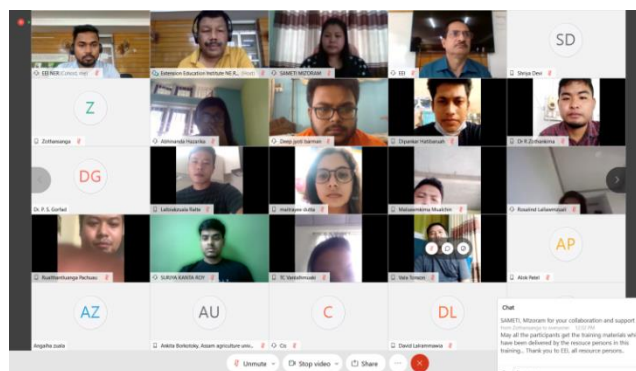


“Failure will never overtake me if my determination to succeed is strong enough”
- Abdul Kalam

10. Mainstreaming farm women for agricultural development



It is gender that differentiates the roles, responsibilities, resources, constraints and opportunities of women and men in agriculture for which precise gender information is the need of the day, more particularly overcome the gender obstacles, enduring efforts to mainstream gender in agriculture, establishing gender friendly small scale agro based enterprises. **During Aug 03-06, 2021** a training was organized at EEI (NE Region), Jorhat in online mode on **“Mainstreaming farm women for agricultural development”** in collaboration with SAMETI, Sikkim. The participants were discussed with the topics like: Gender analysis, Gender Budgeting, Gender Friendly Tools and Implements in NE States, and Govt. Initiatives for Farm Women Empowerment, Gender Friendly Small Scale Agro-Based Enterprises for NE Region, SHG and Microfinance in women empowerment. Total 69 (sixty nine) extension officers from all over North Eastern region participated in the programme.

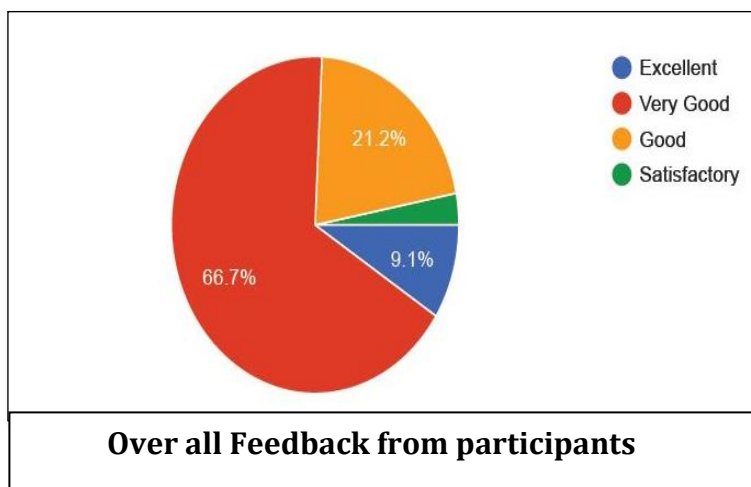
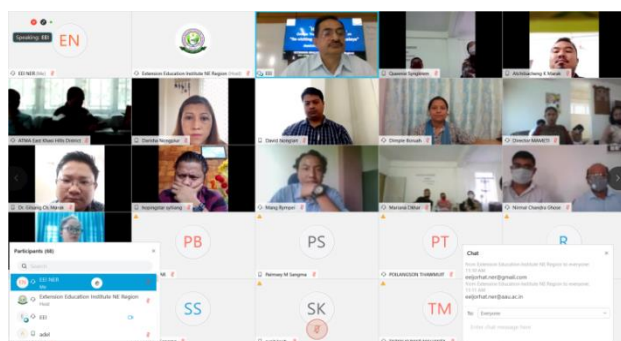


“Anyone who has never made a mistake has never tried anything new.”
-Albert Einstein

11. Atmanirbhar Bharat: Way forward through FPO



Collectivization of producers, especially small and marginal farmers, into producer organisations has emerged as one of the most effective pathways to address the many challenges of agriculture but most importantly, improved access to investments, technology and inputs and markets. Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India has identified farmer producer organisation registered under the special provisions of the Companies Act, 1956 as the most appropriate institutional form around which to mobilize farmers and build their capacity to collectively leverage their production and marketing strength. of Agri commodities in NE States. Role of APEDA in promoting exports of Agri commodities in NE States. Keeping this in view, training on **“Atmanirbhar Bharat: Way forward through FPO”** was organized by EEI (NE Region), Jorhat in online mode during **Aug 10-13, 2021**, in collaboration with MAMETI Meghalaya. Total nineteen (19) Extension Functionaries were participated in the training programme



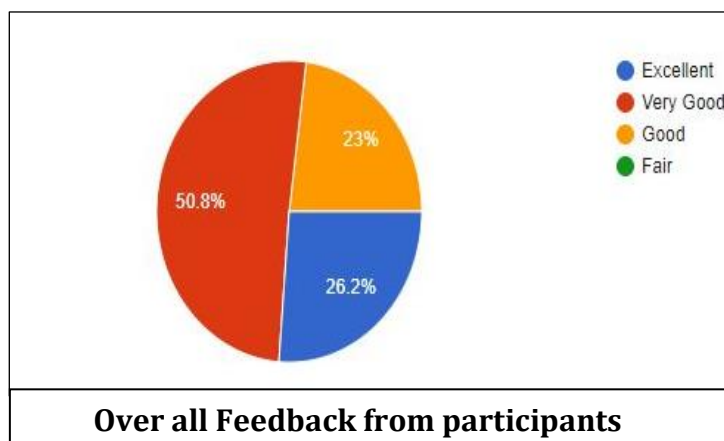
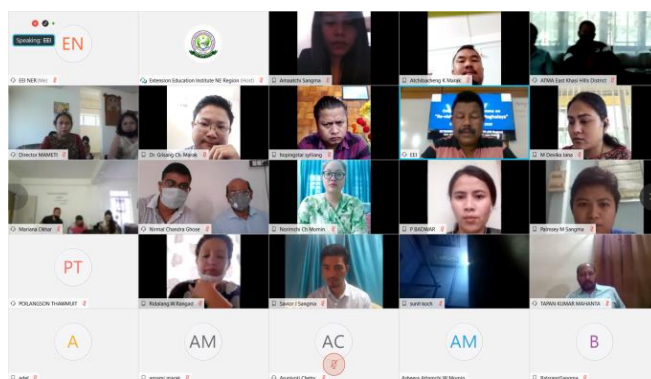
“Even the smallest person can change the course of future”

-J.R.R. Tolkien

12. Formulation of Business Plan and Agricultural Entrepreneurship



Entrepreneurship has important role in the context of a developing nation like India which is confronted with major socio-economic problems. Entrepreneurship can play an important role not only in the industrial sector of a country, but also in the farm and service sector also. The Government has been taking significant steps to encourage development of entrepreneurship in the country. In order to meet the fluctuating market demands, formation of small-scale industries, farmer groups and community organization could serve as an effective tool for empowering the small Indian entrepreneurs. With this back drop, A training on **“Formulation of Business Plan and Agricultural Entrepreneurship Development”** was conducted at EEI (NE Region), Jorhat in online mode during Aug 17-21, 2021. Total 30 (thirty) Extension Functionaries from different states of North-East region were participated in the training programme.



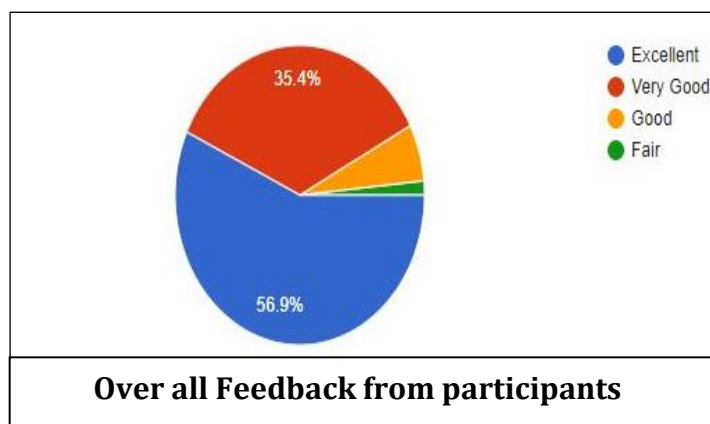
“A pen is to me as beak is to a hen”

-J.R.R. Tolkien

13. Efficacy of FPO-Extension Methods and Tools



Collectivization of producers, especially small and marginal farmers, into producer organisations has emerged as one of the most effective pathways to address the many challenges of agriculture but most importantly, improved access to investments, technology and inputs and markets. Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India has identified farmer producer organisation registered under the special provisions of the Companies Act, 1956 as the most appropriate institutional form around which to mobilize farmers and build their capacity to collectively leverage their production and marketing strength. of Agri commodities in NE States . Keeping this in view, training on **“Efficacy of FPO-Extension Methods and Tools** was organized by EEI (NE Region), Jorhat in online mode during **Aug 23-26, 2021**, in collaboration with SAMETI, Mizoram. Total twenty (20) Extension Functionaries were participated in the training programme.



“Knowing is not enough; We must apply. Willing is not enough; We must do.”

- Bruce

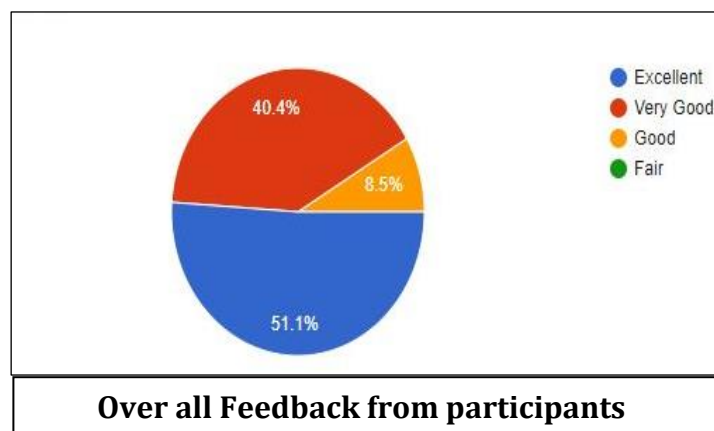
14. Production and use of Mass-media resources for Agril. Extension



Extension work involves great deal of social interaction and communication within a team and also with the clientele. In order to provide efficient services, relationships need to be developed within the team and also with the clients. Extension functionaries possessing a proper set of

communication skills backed by certain attitude and skills can go a long way in effectively reaching out the client. During **Aug 31-Sept 04, 2021** a training programme on **“Production and use of Mass media resources for Agril. Extension”** was organised for the Extension Functionaries of all North Eastern states in online mode. The topic of discussion during

training were: Need of Mass Media in Agril, Extension, different types, Digidice: Advanced techniques in mass contact, importance pf social media, video production and photographic techniques.. A total of eighty-seven (87) participants from Dept. of Agriculture, veterinary, fishery and ATMA participated in the programme



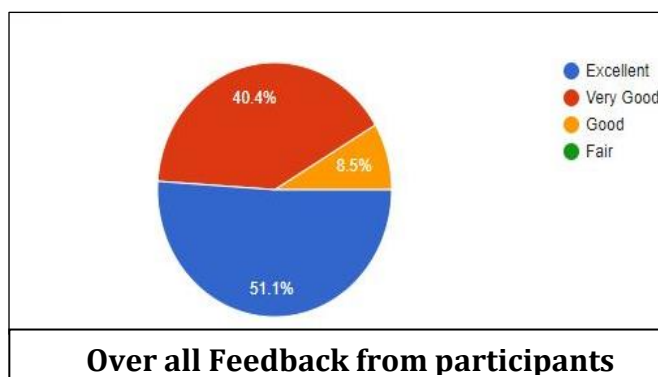
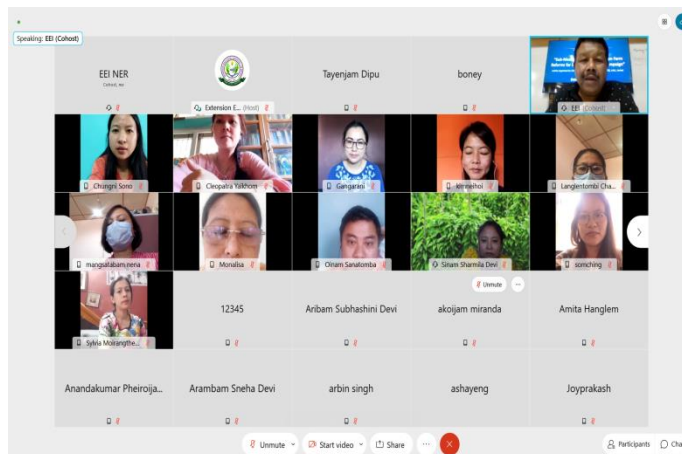
“A leader is a dealer in hope.”

- Napoleon Bonaparte

15. Advanced propagation techniques of Horticultural Crops



The focus of Extension System from a production-led to market-led has brought about the need of sensitization about the market and its aspects for farmers, extension functionaries and policy makers alike. An important concept in Agricultural Marketing Extension in digital mode is the market chain management which is an integrated system that requires emphasis in order to boost the agricultural economy of the country. A thorough knowledge about the market chain management is the need of the hour to meet the requirements of all sectors of the economy. This helps the extension functionaries to facilitate the farmers in exploring the different digital market potentials of their crops and livestock. With this back drop, A training on **“Market led Extension: Digital marketing and ICT tools”** was conducted at EEI (NE Region), Jorhat in online mode during Oct 12-16, 2020 in collaboration with SAMETI Nagaland. Total 28 Extension Functionaries from different states of North-East region were participated in the training programme.



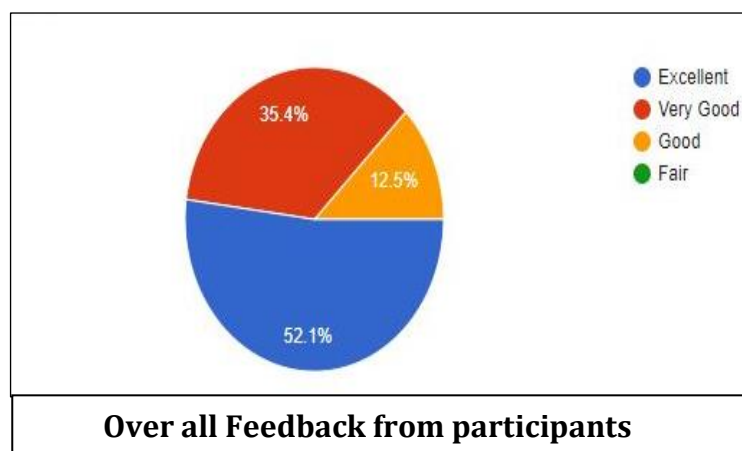
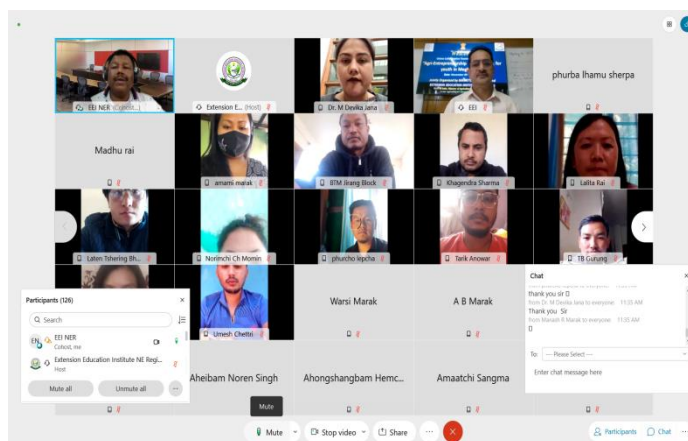
“Education is an ornament in prosperity and refuge in adversity”

- Aristotle

16. Cloud Computing in Agricultural Extension



A training programme on “Cloud Computing in Agricultural Extension” was organised by EEI (NE Region), Jorhat in online mode in collaboration with SAMETI, West Bengal during **Sept 21-24, 2020**. The topics discussed during different session of the training programme were: Cloud computing as an ICT tool for technology transfer in Agricultural Extension, the scope and significance of Cloud Computing in Agriculture based digital services, Cloud Computing as a revolutionary tool for real time computation, data access and storage in Agriculture sector, constraints and challenges of Cloud Computing in agricultural extension, the initiatives and schemes relating to Cloud Computing enabled Agricultural Extension with clear principles, Farm Crop Management System, Cloud Computing as a key to develop Agriculture Marketing and E-Commerce etc. Total 72 participants participated in the programme.

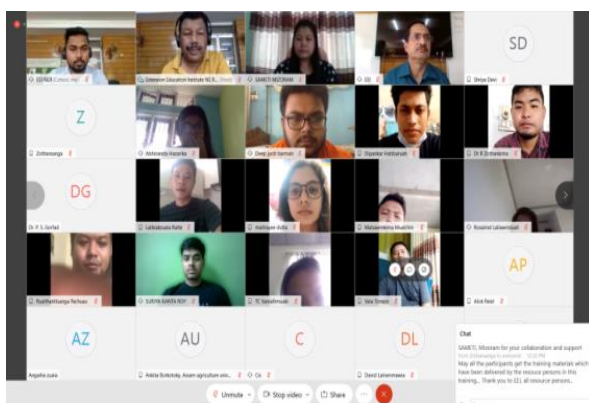


*“A goal is not always meant to be reached;
it often serves simply as something to aim at.”* - Bruce lee

17. Application of Artificial Intelligence in Agricultural Extension

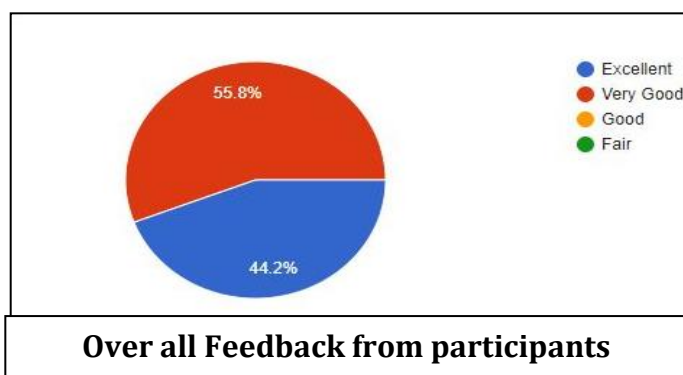


The focus of Extension System from a production-led to market-led has brought about the need of sensitization about the market and its aspects for farmers, extension functionaries and policy makers alike. An important concept in Agricultural Marketing



Extension in digital mode is the market chain management which is an integrated system that requires emphasis in order to boost the agricultural economy of the country. A thorough knowledge about the market chain management is the need of the hour to meet the requirements of all sectors of the economy. This helps the extension

functionaries to facilitate the farmers in exploring the different digital market potentials of their crops and livestock. With this back drop, A training on “**Market led Extension: Digital marketing and ICT tools**” was conducted at EEI (NE Region), Jorhat in online mode during Nov 16-19, 2020 in collaboration with SAMETI Arunachal Pradesh. Total 35 Extension Functionaries from different states of North-East region were participated in the training programme.

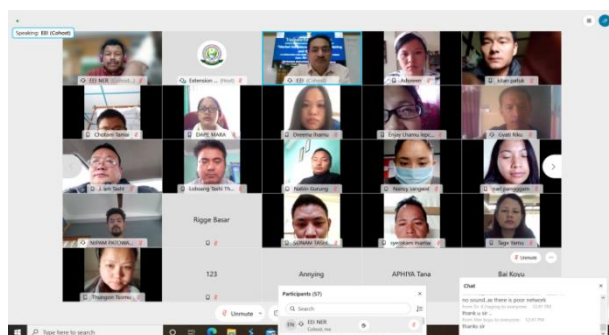


“Collaboration allows us to know more than we are capable of knowing ourselves”
- Paul Solarz

18. Tools and Techniques for e-Governance

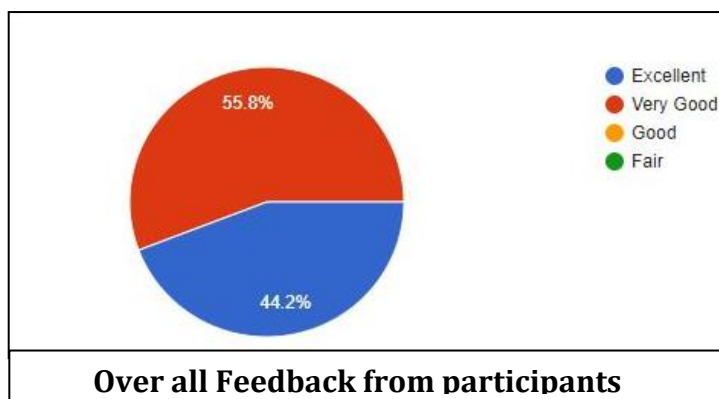


The focus of Extension System from a production-led to market-led has brought about the need of sensitization about the market and its aspects for farmers, extension



functionaries and policy makers alike. An important concept in Agricultural Marketing Extension in digital mode is the market chain management which is an integrated system that requires emphasis in order to boost the agricultural economy of the country. A

thorough knowledge about the market chain management is the need of the hour to meet the requirements of all sectors of the economy. This helps the extension functionaries to facilitate the farmers in exploring the different digital market potentials of their crops and livestock. With this backdrop, A training on **“Market led Extension: Digital marketing and ICT tools”** was conducted at EEI (NE Region), Jorhat in online mode during Nov 16-19, 2020 in collaboration with SAMETI Sikkim. Total 30 (thirty) Extension Functionaries from different states of North-East region were participated in the training programme

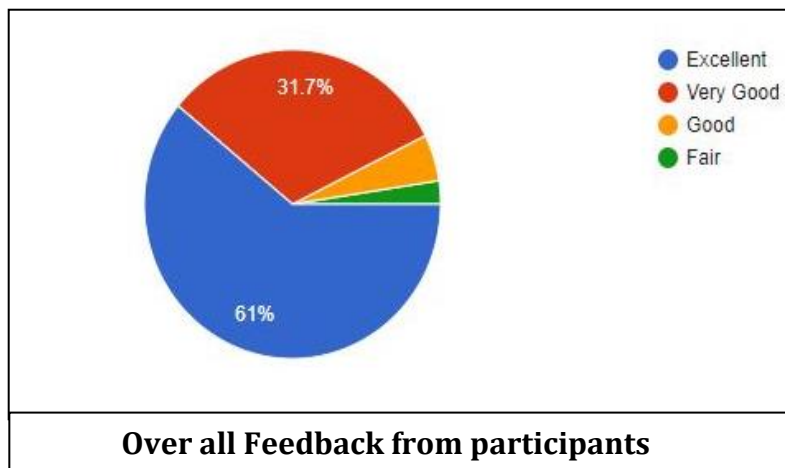
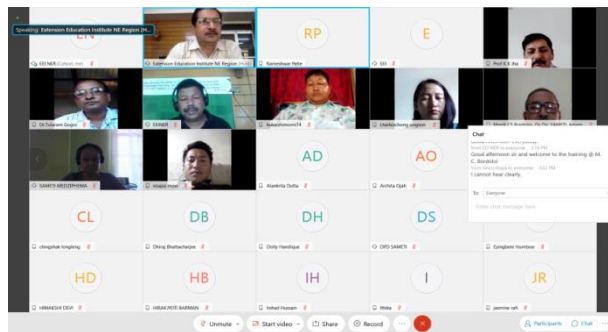


“Tell me and I forget, teach me and I may remember, involve me and I learn”
- Benjamin Franklin

19. Documentation and writing skills for Extension Professionals



Mobile-based extension and advisory services (m-Extension) are location specific and, at the same time, able to transcend geographic limitations. A training programme was organised on **“Skill Development for M-Extension, E-Extension and E-Marketing”** by EEI (NE Region), Jorhat in collaboration with IISM, Manipur in online mode during **Dec 03-05, 2020**. Faculty members of EEI (NE Region) conducted different sessions on topics like: ICT applications in Agricultural Extension work and recent advances, Internet Based ICT tools for technology transfer in Agricultural Extension, Social Media for use in Extension, Techniques of video production, m-Extension and its applications, Mobile Apps in agriculture / extension offered by Govt. of India, e-NAM, Kisan Call Centre and Flagship ICT initiatives of GOI etc. Total 36 participants were participated in the programme.



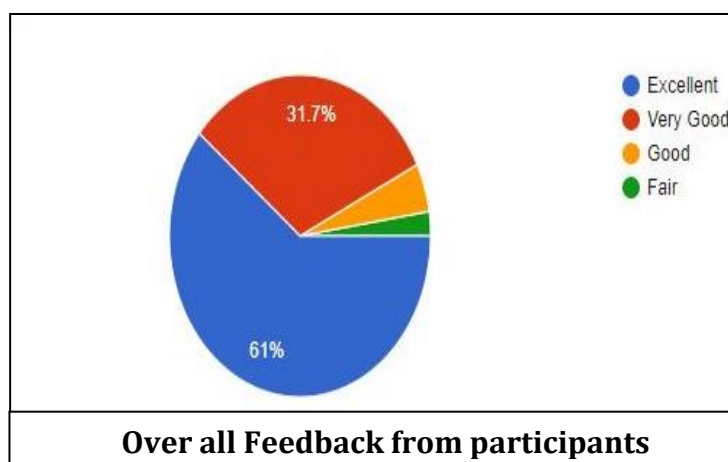
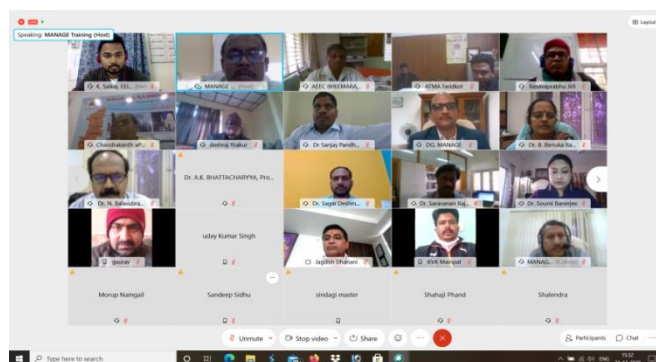
“All learning begins when our comfortable ideas turn out to be inadequate”

- John Dewey

20. Social Values, Work Culture and Work Ethics



A training programme on “**Entrepreneurship and Agrotourism for up scaling rural economy**” was organized by EEI (NE Region), Jorhat in online mode during **Dec 15-18, 2020**, in collaboration with SAMETI, Tripura. The topics discussed during different session of the training programme were: Concept, Characteristics and qualities of Entrepreneurs, Significance of Entrepreneurship for Agricultural Development, Ecotourism –as an emerging agro-based Entrepreneurship opportunity, Issues, provisions in Agri- ecotourism enterprise, Agri-ecotourism potential in NE state including West Bengal, Agri-Export: Problems & Prospects, Export potential & prospects of Agri commodities in NE, Steps and procedure to establish small scale enterprise. Total twenty eight (28) participants participated in the programme.



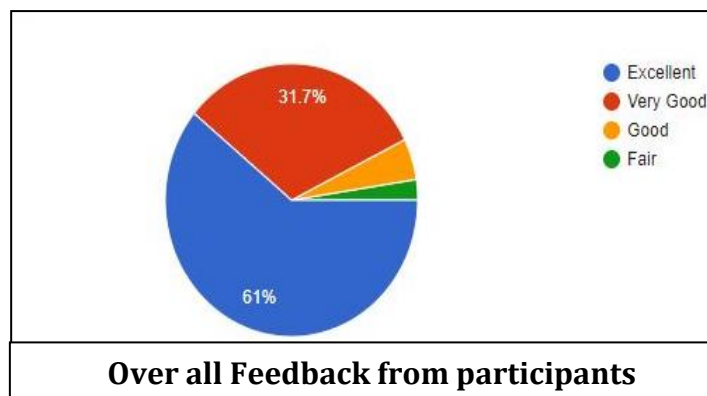
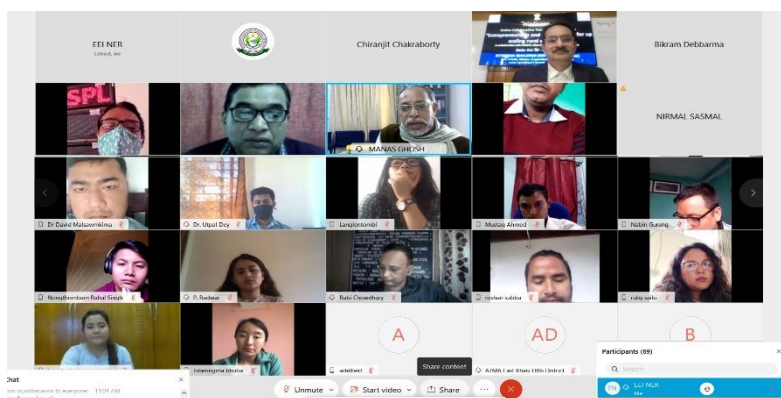
“A problem well-put is half-solved”

- John Dewey

21. Digital marketing and ICT tools for Agricultural Marketing

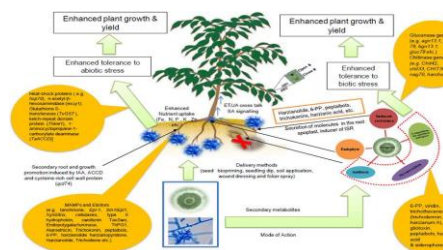
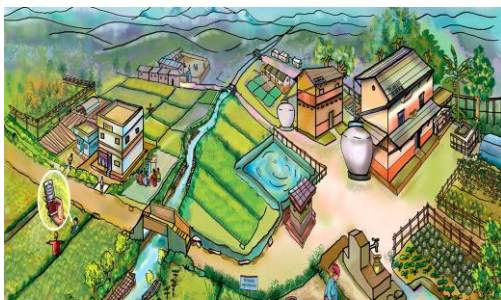


A training programme on “**Entrepreneurship and Agro-tourism for up scaling rural economy**” was organized by EEI (NE Region), Jorhat in online mode during **Dec 15-18, 2020**, in collaboration with SAMETI, West Bengal. The topics discussed during different session of the training programme were: Concept, Characteristics and qualities of Entrepreneurs, Significance of Entrepreneurship for Agricultural Development, Ecotourism –as an emerging agro-based Entrepreneurship opportunity, Issues, provisions in Agri- ecotourism enterprise, Agri-ecotourism potential in NE state including West Bengal, Agri-Export: Problems & Prospects, Export potential & prospects of Agri commodities in NE States ,Role of APEDA in promoting exports of Agri commodities in NE States, Steps and procedure to establish small scale enterprise. Total twenty (20) participants participated in the programme.

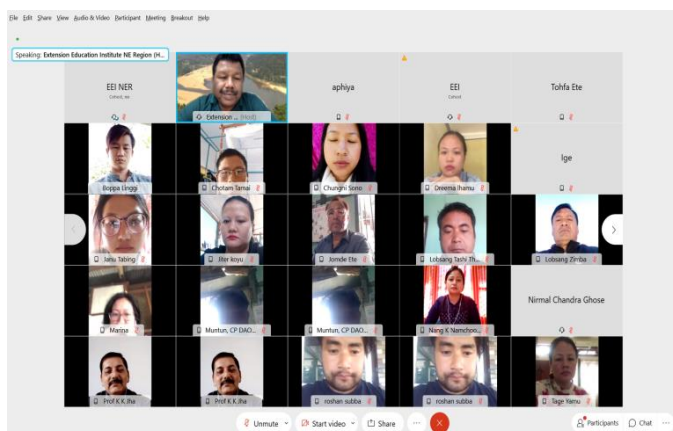


“Man's mind, once stretched by a new idea, never regains its original dimensions”
- Oliver Wendell Holmes

22. Climate Resilient Agriculture: Approaches and Practices

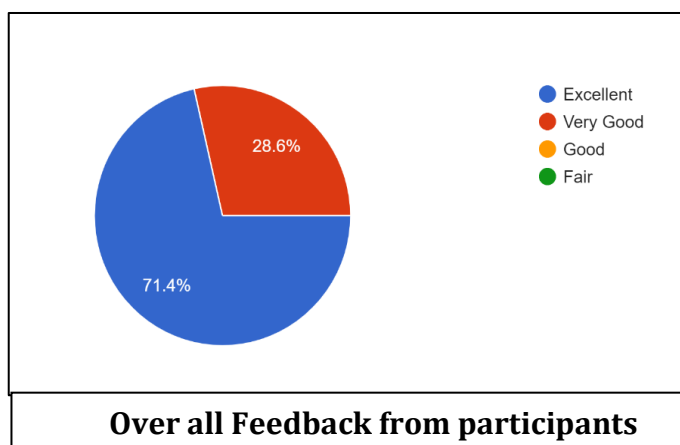


With increased and enriched role, the extension personnel have to perform multiple roles in meeting the objectives of doubling farmer's income. The paradigm shift from production-led extension to market-led extension has brought about the needs for orienting the extension personnel to develop and update the knowledge and skills related with market information. In order to meet the fluctuating market demands, value addition of the product is essential. In



order to increase the awareness among the extension functionaries regarding importance of value addition of different product a training on **“Value addition of selected horticultural commodities and Entrepreneurship development”** was organized by EEI (NE Region), Jorhat in online mode during **January 18-21,, 2021**, in collaboration with SAMETI, Mizoram. Total 34 (Thirty four) Extension Functionaries participated in the programme.

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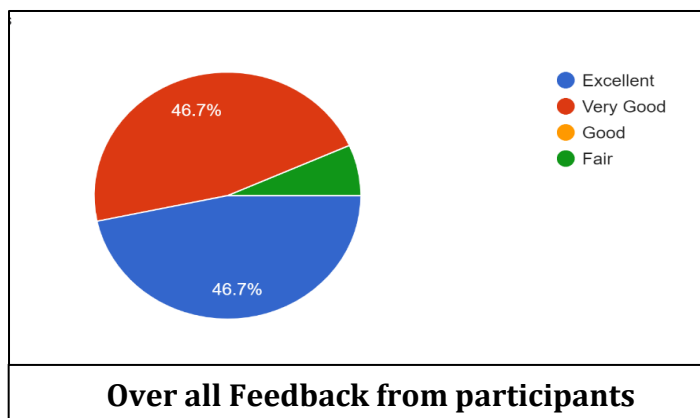
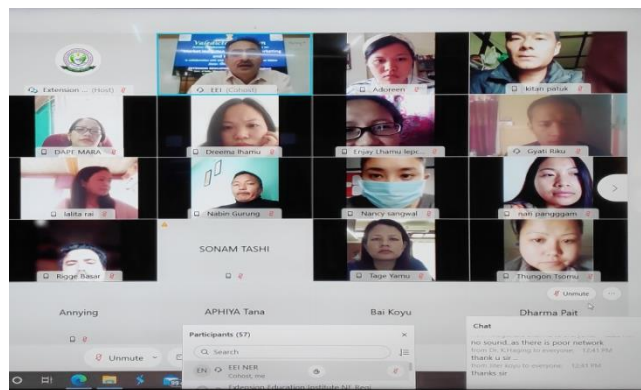
“Pacifism is simply undisguised cowardice”

- Adolf Hitler

23. Promotion of Integrated Farming System (IFS) in Nagaland



Collectivization of producers, especially small and marginal farmers, into producer organisations has emerged as one of the most effective pathways to address the many challenges of agriculture but most importantly, improved access to investments, technology and inputs and markets. Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India has identified farmer producer organisation registered under the special provisions of the Companies Act, 1956 as the most appropriate institutional form around which to mobilize farmers and build their capacity to collectively leverage their production and marketing strength. of Agri commodities in NE States. Role of APEDA in promoting exports of Agri commodities in NE States. Keeping this in view, training on **“Efficacy of FPO-Extension Methods and Tools** was organized by EEI (NE Region), Jorhat in online mode during **January 18-21, 2021**, in collaboration with SAMETI Assam. Total nineteen (19) Extension Functionaries were participated in the training programme.



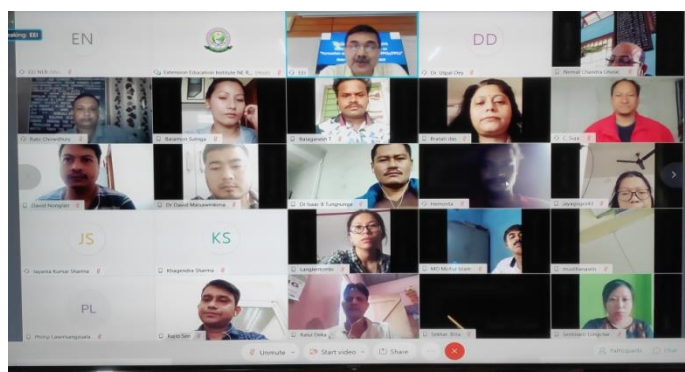
“Try to learn something about everything and everything about something.”

– Thomas H. Huxley

24. Documentation and writing skills for Extension Professional

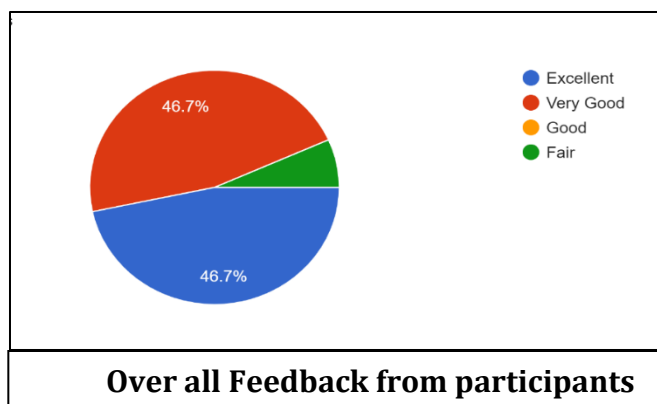


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Act, 1956 as the most appropriate institutional form around which to mobilize farmers and build their capacity to collectively leverage their production and marketing strength. of Agri commodities in NE States . Keeping this in view, training on **“Efficacy of FPO-Extension Methods and Tools** was organized by EEI (NE Region), Jorhat in online mode during **January 18-21, 2021**, in collaboration with SAMETI, Meghalaya. Total twenty (20) Extension Functionaries were participated in the training programme.



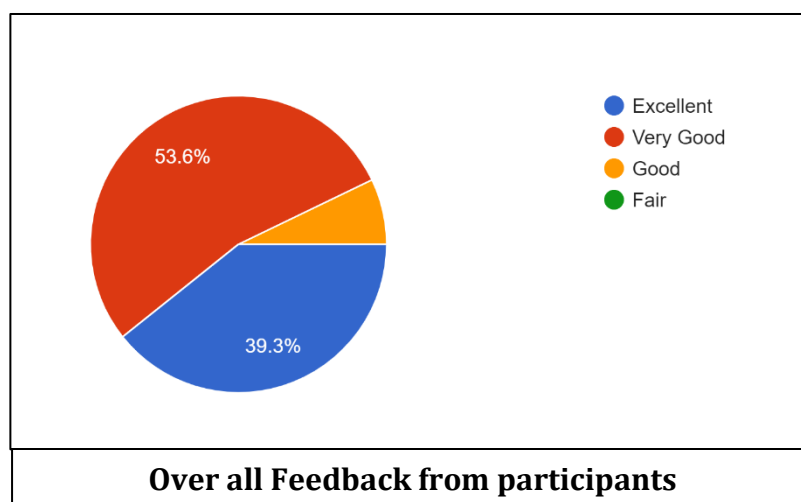
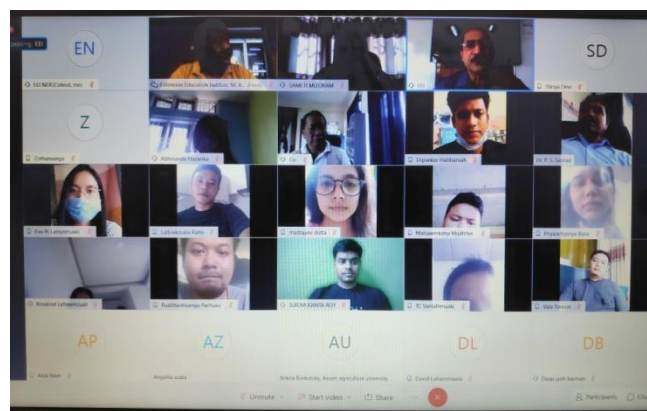
“Smooth seas do not make skillful sailors”

- African Proverb

25. Revisiting of SREP for Assam



Based on demand of Extension Functionaries to prepare the SREP for their respective state a training programme on “**Revisiting of SREP**” was conducted at EEI (NE Region), Jorhat in online mode during Feb 04-06, 2021 in collaboration with SAMETI, Assam. The participants were discussed with the topics like: Strategic Research and Extension Plan, Different concept involved in preparation of different chapters of SREP like: Agro-Ecological Situations (AESs), Resource poor person, Resource rich farmers, Integrated pest management, Integrated nutrient management, SWOT analysis, Farming system, Farming situation, seed replacement ratio, Marketing plan, Base line survey and policy issues etc. Total Twenty six (26) participants participated in the programme.



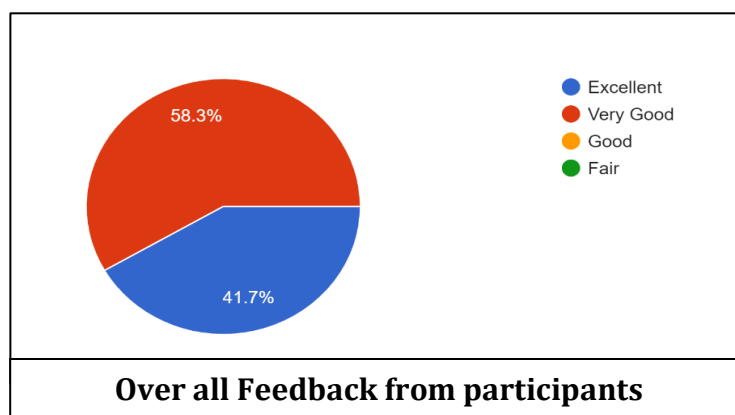
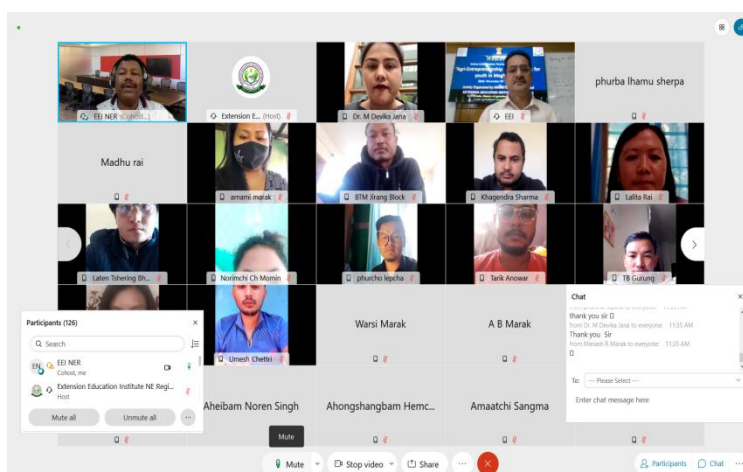
“Many activities and team play participation will give you a training that will prove invaluable later on in life.”

- W. Annenberg

26. Agri-Entrepreneurship Development for youth in Sikkim



A training programme on “Agri- Entrepreneurship Development for youth in Sikkim” was organised by EEI (NE Region), Jorhat in online mode in collaboration with SAMETI, Sikkim during **Feb 09-12, 2021**. The topics discussed during different session of the training programme were: Concept, Characteristics and qualities of Entrepreneurs, Significance of Entrepreneurship for Agricultural Development, Managerial skills for Entrepreneurship development, Prospects and constraints of agri-enterprises development in Meghalaya, Most Potential Agri-enterprises in Sikkim. Economic parameters for Agri-entrepreneurship development, Tips to write success story, Agri-entrepreneurship Planning and Development etc. Total twenty nine (29) participants participated in the programme.



*“Higher for passion and intensity; there is training for everything else”
- Nolan Bushnell*

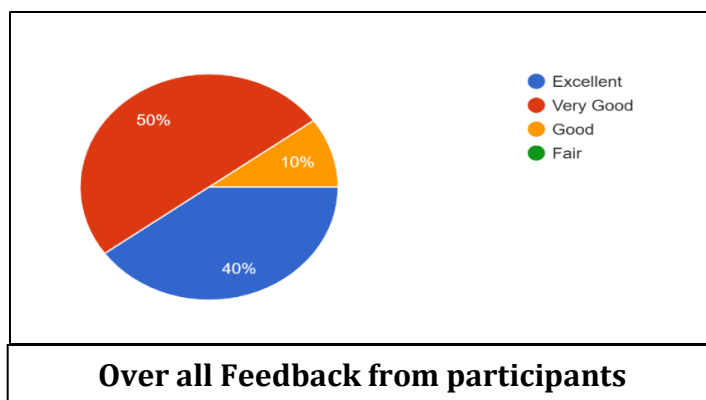
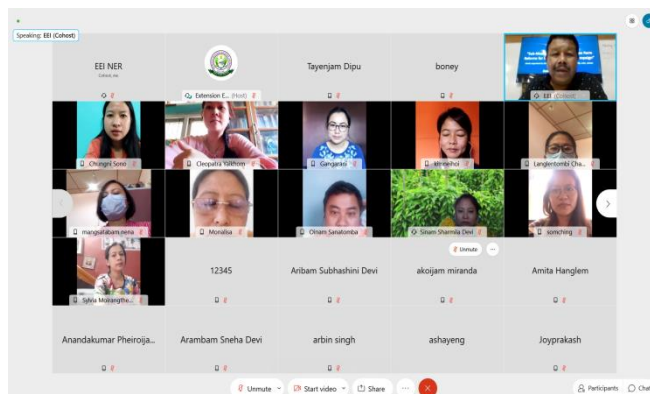
27. Efficacy of FPO-Extension Methods and Tools



Collectivization of producers, especially small and marginal farmers, into producer organisations has emerged as one of the most effective pathways to address the many challenges of agriculture but most importantly, improved access to investments, technology and inputs and markets.

Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India has identified farmer producer organisation registered under the special provisions of the Companies Act, 1956 as the most appropriate institutional form

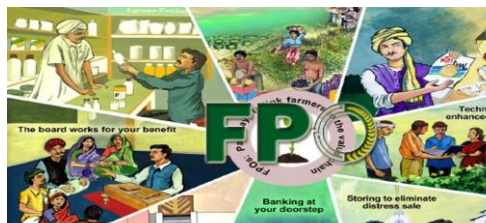
around which to mobilize farmers and build their capacity to collectively leverage their production and marketing strength. of Agri commodities in NE States, Role & interventions of Extension Functionaries in export promotion, Policy recommendations for export promotion of Agricultural commodities. Keeping this in view, training on **“Efficacy of FPO-Extension Methods and Tools** was organized by EEI (NE Region), Jorhat in online mode during **February 16-19, 2021**, in collaboration with SAMETI, West Bengal. Total sixteen (16) Extension Functionaries were participated in the training programme.



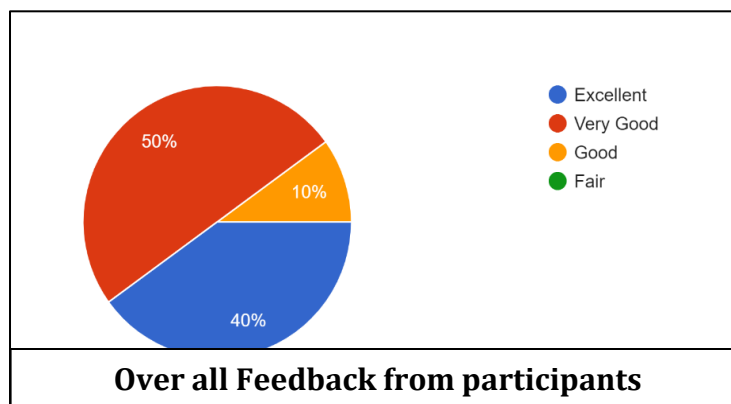
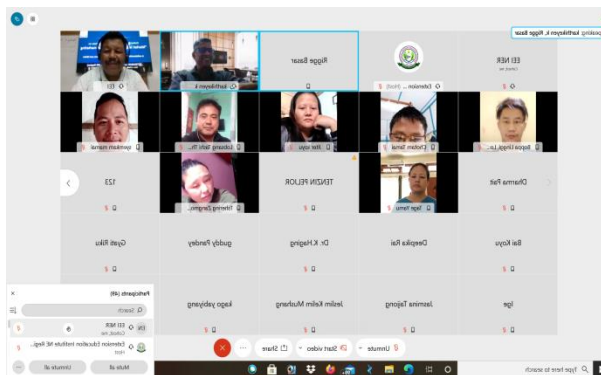
“Action comes about if and only if we find a discrepancy between what we are experiencing and what we want to experience”

- Philip J. Runkel

28. Efficacy of FPO-Extension Methods and Tools



Collectivization of producers, especially small and marginal farmers, into producer organisations has emerged as one of the most effective pathways to address the many challenges of agriculture but most importantly, improved access to investments, technology and inputs and markets. Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India has identified farmer producer organisation registered under the special provisions of the Companies Act, 1956 as the most appropriate institutional form around which to mobilize farmers and build their capacity to collectively leverage their production and marketing strength. of Agri commodities in NE States , Role & interventions of Extension Functionaries in export promotion, Policy recommendations for export promotion of Agricultural commodities. Keeping this in view, training on **“Efficacy of FPO-Extension Methods and Tools** was organized by EEI (NE Region), Jorhat in online mode during **February 16-19, 2021**, in collaboration with SAMETI, Tripura. Total thirteen (13) Extension Functionaries were participated in the training programme.

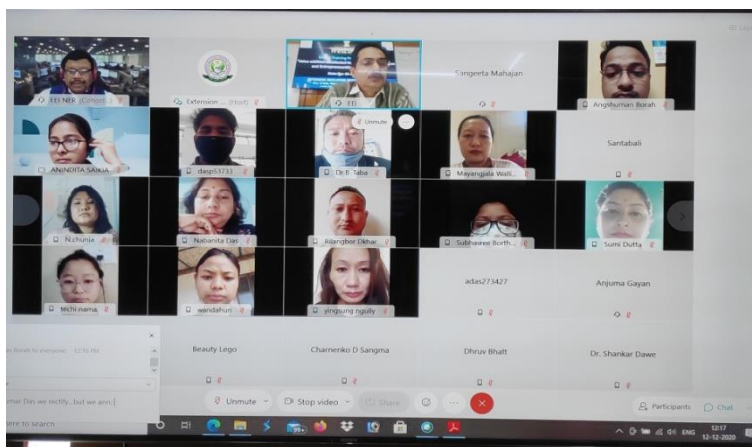


*“Always walk through life as if you have something new to learn and you will”
- Vernon Howard*

29. Value addition of selected Agril. Commodities in Nagaland and management of enterprise

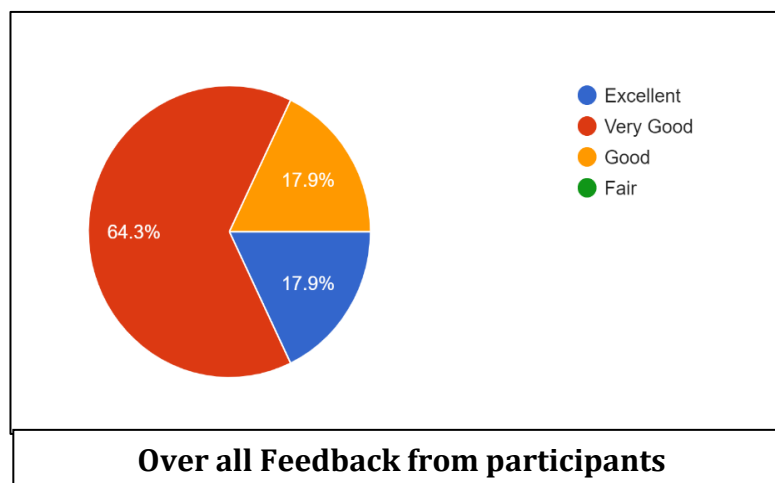


With increased and enriched role, the extension personnel have to perform multiple roles in meeting the objectives of doubling farmer's income. The paradigm shift from production-led extension to market-led extension has brought about the needs for orienting the



extension personnel to develop and update the knowledge and skills related with market information. In order to meet the fluctuating market demands, value addition of the product is essential. In order to increase the awareness among the extension functionaries regarding importance of

value addition of different product a training on **“Value addition of selected horticultural commodities and Entrepreneurship development”** was organized by EEI (NE Region), Jorhat in online mode during **February 22-25, 2021**, in collaboration with SAMETI, Nagaland. Total 30 (Thirty) Extension Functionaries participated in the programme



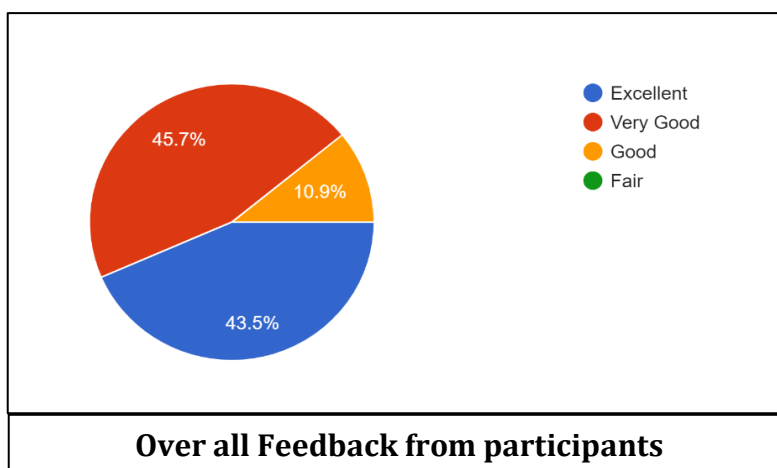
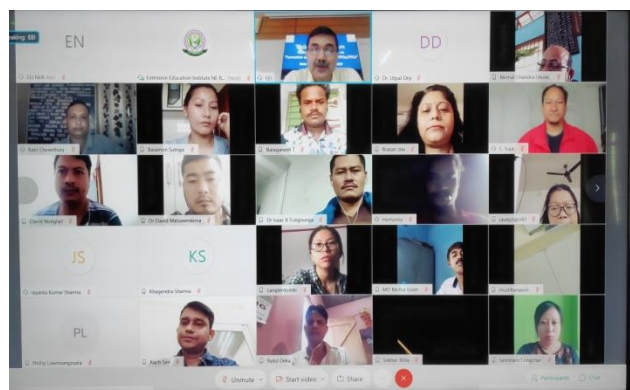
“The art and science of asking questions is the source of all knowledge”

- Thomas Berger

30. Entrepreneurship Development and Agri-tourism for up scaling rural economy



A training programme on “**Entrepreneurship and Agro-tourism for up scaling rural economy**” was organized by EEI (NE Region), Jorhat in online mode during **March 02-05, 2021**, in collaboration with SAMETI, Arunchal Pradesh. The topics discussed during different session of the training programme were: Concept, Characteristics and qualities of Entrepreneurs, Significance of Entrepreneurship for Agricultural Development, Ecotourism –as an emerging agro-based Entrepreneurship opportunity, Issues, provisions in Agri- ecotourism enterprise, Agri-ecotourism potential in NE state , Agri-Export: Problems & Prospects, Export potential & prospects of Agri commodities in NE States ,Role of APEDA in promoting exports of Agri commodities in NE States, Role & interventions of Extension Functionaries in export promotion, Policy recommendations for export promotion of Agricultural commodities. Total thirty one (31) participants participated in the programme.



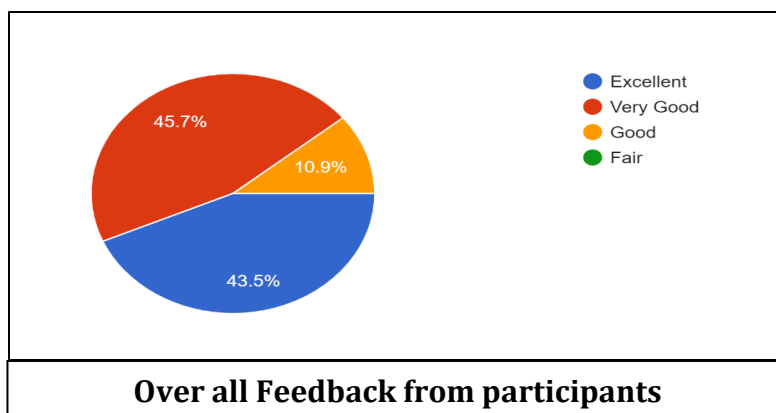
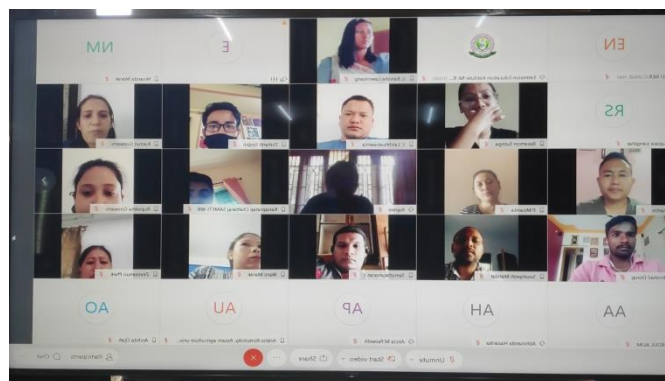
“Science is a way of thinking much more than it is a body of knowledge”

- Carl Sagan

31. Entrepreneurship Development and Agri-tourism for up scaling rural economy



A training programme on “**Entrepreneurship and Agro-tourism for up scaling rural economy**” was organized by EEI (NE Region), Jorhat in online mode during **March 02-05, 2021**, in collaboration with SAMETI, Nagaland. The topics discussed during different session of the training programme were: Concept, Characteristics and qualities of Entrepreneurs, Significance of Entrepreneurship for Agricultural Development, Ecotourism –as an emerging agro-based Entrepreneurship opportunity, Issues, provisions in Agri- ecotourism enterprise, Agri-ecotourism potential in NE state , Agri-Export: Problems & Prospects, Export potential & prospects of Agri commodities in NE States ,Role of APEDA in promoting exports of Agri commodities in NE States, Role & interventions of Extension Functionaries in export promotion, Policy recommendations for export promotion of Agricultural commodities. Total forty three (43) participants participated in the programme.

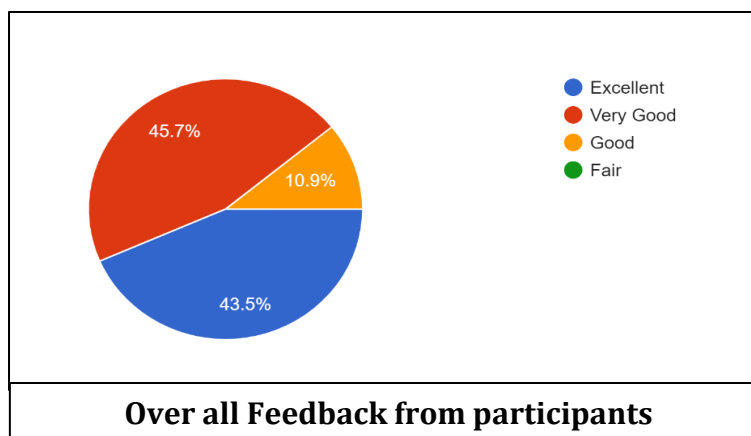
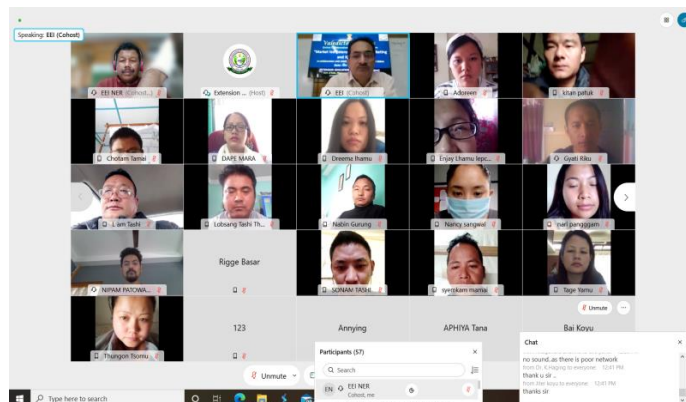


“All our knowledge begins with the senses, proceeds then to the understanding, and ends with reason. There is nothing higher than reason”
- Immanuel Kant

32. Market led Extension: Digital marketing and ICT tools



The focus of Extension System from a production-led to market-led has brought about the need of sensitization about the market and its aspects for farmers, extension functionaries and policy makers alike. An important concept in Agricultural Marketing Extension in digital mode is the market chain management which is an integrated system that requires emphasis in order to boost the agricultural economy of the country. A thorough knowledge about the market chain management is the need of the hour to meet the requirements of all sectors of the economy. This helps the extension functionaries to facilitate the farmers in exploring the different digital market potentials of their crops and livestock. With this back drop, A training on “**Market led Extension: Digital marketing and ICT tools**” was conducted at EEI (NE Region), Jorhat in online mode during March 09-12, 2021 in collaboration with SAMETI Manipur. Total 27 (twenty) Extension Functionaries from different location of Manipur region were participated in the training programme



“An optimist sees the opportunity in every difficulty”

- Winston Churchill

2.9. Regional Workshop at EEI (NER), AAU, Jorhat in online mode,

The Regional Workshop on “Implementation of Central Sector Schemes and Training Planning for NE states” was organized by Extension Education Institute (NE Region), AAU, Jorhat in online mode on February 15, 2021 at EEI (NER), Jorhat conference room. A total of 25 number of representatives of each SAMETI from 7 NE states participated in the workshop and representative from the Directorate of Extension (DOE), Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare (MoA&FW), Govt. of India. The states include Assam, Arunachal Pradesh, Manipur, Mizoram, Sikkim, Nagaland, West Bengal and Tripura.

Provisioning deliberation on needs and issues of capacity building of extension functionaries was another purpose of the workshop which has been an integral part of annual training planning process of EEI (NE-Region) and SAMETIs of NE states. The distinctive objectives of the workshop were delineated as hereunder:



1. To deliberate on implementation of Central Sector Schemes of Ministry of Agriculture, Govt. of India in NE states in order to work out action points for the concerned departments concerned for future progress.
2. To identify training needs of Extension Functionaries of the land-based departments for 2017-18 and to spell out relevant organizations/institutions for addressing those.
3. To deliberate on critical issues to be addressed in NE-Region for streamlining agricultural extension

At the outset, Dr. A.K. Bhattacharyya senior professor, EEI (NER), AAU, Jorhat extended a warm welcome to the participants. After that Dr. Pradip Kr. Neog, Director, EEI (NER), AAU, Jorhat briefed the participants regarding the objectives and relevance of the Workshop.

“Knowledge is of no value unless you put it in to practice”

- Anton Chekhov

Dr. S.M. Khalikar, Joint Director (Extn), DAC&FW, MoA&FW, GOI emphasized the importance of the workshop and appreciated the effort of conducting the same. He stated that DAC&FW, MoA&FW, GOI has been patronizing this workshop with keen interest, as it has been contributing significantly in addressing specific issues relating to implementation of the Central Sector Scheme in this region and also towards systematic training planning of EEI and SAMETIs of 9 states.



In the technical session, state wise presentation and discussion was held on status of implementation of major Schemes and Programmes in their respective states. The presentation was made by 7 representatives of the 7 participating states. Each presentation was followed by threadbare discussion of relevant aspects and issues. The proceedings of the workshop has been prepared and sent to all concerned.



*"Strength does not come from the physical capacity.
It comes from an indomitable will." - Gandhi*

2.10. Brief Report on Action Research on Community Participation for farming as an enterprise: 2020-22 for the year 2020-21

Objectives:

The study was carried out with the following objectives

1. To motivate members of the community towards farming/horticulture as a livelihood and draw lessons
2. To popularise scientific agriculture / horticultural technologies for incremental income to streamline extension strategies
3. To mobilise community participation for common property resources for sustainable livelihood to analyse methodologies)

Activities carried out under the Action Research

- a) **Selection of villages:** Following 3 numbers of villages have been selected based on selected criteria

Sl. No.	Village name
1.	Bhurakola, Puronimati, Jorhat
2.	Malati Path/Gaon, 49 No. Charaibahi Gaon, Panchayat, Barbheta, Jorhat
3.	Namoni Timtimia, Baghchung, Jorhat

- b) **Focus group discussion:** Focus group discussion have been carried out with different sections of families in each selected villages.

c) **Need assessment and selection of participating farm families for the project:**

- ✓ Identification of beneficiaries based on PRA technique.
- ✓ Need based selection of the farm families
- ✓ Intervention

“Learning is a treasure that will follow its owner everywhere”

- Chinese Proverb

d) Organization of a Training cum Method demonstration

- 1. Training in first village:** In connection with the project objective, the first training programme was organised by EEI- NER, AAU, Jorhat on 22nd Sept, 2020 in Bhurakola, Puronimati Gaon, Jorhat with a view to popularize scientific agriculture / horticultural technologies for incremental income to streamline extension strategies in presence of Dr. S. Borua, Project Coordinator cum Co-PI, EEI, Jorhat, Mr. Himadri Sekhar Dutta, Assistant Professor, College of Horticulture, AAU, Jorhat and Mr Rituraj Boruah, Assistant Professor, College of Horticulture, AAU, Jorhat



Training programme for selected horticultural crops

- 2. Training in second village:** The second training programme was organised in Namoni Timtimia, Baghchung, Jorhat on 23rd Sept, 2020. Dr Madhumita C Talukdar Professor and Head, Department of Horticulture, AAU, Jorhat imparted a training programme on Scientific methods of Cultivation of the improved species of Mango, litchi, seedless lemon and ber that were distributed to the farmers.



Training programme for selected horticultural

“Education without application is just entertainment”

- Tim Sanders

- 3. Training in third village:** The third training programme was organised in Malati Path/Gaon, 49 No. Charaibahi Gaon, Panchayat, Barbheta, Jorhat which was carried out by Dr. Himadri Sekhar Dutta, Assistant Professor, College of Horticulture, CA, AAU, Jorhat and Dr Rituraj Boruah, Assistant Professor, College of Horticulture, AAU, Jorhat



Training programme for selected horticultural crops

e) Sapling distribution programme in selected villages

- 1. First Sapling distribution programme:** In 28th Sept, 2020 the first sapling distribution programme was held where 25 people from Bhurakola, and Puranimati village participated. .



Distribution of selected Horticultural crops

“Wisdom is learning what to overlook”

- William James

2. **Second Sapling distribution programme:** In 29th Sept, 2020 the 2nd sapling distribution programme was organized in Namoni Timtimia Village, Baghchung, Jorhat.



Distribution of selected Horticultural crops.

3. **Third Sapling distribution programme:** In 2nd Oct, 2020 the third sapling distribution programme was organized in Malati Path/Gaon, 49 No. Charaibahi Gaon, Panchayat, Barbheta, Jorhat in presence of Dr P. K. Neog, Director, EEI(NE Region), AAU, Jorhat and Dr. R. P. Bhuyan, Director of Students Welfare, CA, AAU.



Distribution of selected Horticultural crops.

"Excellence is not a skill. It's an attitude"

- Ralph Marston

2.11: Skill Development Training

The institute has conducted three Skill Development Training Programme of Agriculture Skill Council of India during 2020-21. The training programmes were:

1. Mushroom Grower

- This training was conducted during February 02, 2021 to February 26, 2021.
- Total twenty participants from Jorhat districts of Assam were participated in the training programme.
- Training Completed on February 26, 2021.



“Listening is a master skill for personal and professional greatness”

- Robin S. Sharma

2. Garden-cum-Nursery Grower

- This training was started on February 03, 2021 to March 02, 2021.
- Total twenty participants from Jorhat districts of Assam were participated in the training programme.
- The training was completed on March 01, 2021.



"Ideas without action aren't ideas. They're regrets"

- Steve Jobs

3. Vermicompost Producer

- This training was conducted during February 09 to March 08 2021.
- Total twenty participants from Jorhat districts of Assam were participated in the training programme.
- Training Completed on March 08 2021.



“Making good decisions is a crucial skill at every level”
- Peter Drucker

2.12: Other Academic Activities

- Organized collaborative training programme with SAMETI, Arunachal Pradesh on Bio-Input Technologies based Entrepreneurship for sustainable livelihood in Agriculture.
- Dr. S. Borua, faculty, EEI (NE Region), AAU, Jorhat act as a resource person in online training programme organized by MANAGE Hyderabad.
- Dr. S. Borua, faculty, EEI (NE Region), AAU, Jorhat act as a resource person in online training programme organized by SAMETI Nagaland.
- Dr. S. Borua, faculty, EEI (NE Region), AAU, Jorhat act as a resource person in online training programme organized by SAMETI, West Bengal
- Mr. K. Saikia, RA, EEI (NE Region), AAU, Jorhat act as a resource person in online training programme organized by MANAGE Hyderabad.
- Mr. K. Saikia, RA, EEI (NE Region), AAU, Jorhat act as a resource person in online training programme organized by SAMETI, West Bengal
- Mrs. M. Dutta, RA, EEI (NE Region), AAU, Jorhat act as a resource person in online training programme organized by SAMETI Nagaland

2.13: Publication

- Published 200 copies of “Annual Report” for the year 2021-22.
- Published 200 copies of “Success Stories” containing 64 numbers of success stories for the year 2021-22

“Life is a succession of lessons which must be lived to be understood”

- Emerson

2.14. Construction of EEI (NE Region) Administrative Building

- Construction of EEI Building at AAU Campus, Khanapara, Guwahati is going on.
- AAU, Jorhat released its share of Rs.119.29 lakh .
- Around 95 percent works has been completed up to February 28, 2021



"The quieter you become, the more you can hear"
- Buddha

PROPOSED PROGRAMMES for 2021-22

EEl (NE Region) has identified the training needs of its client departments for the academic year 2022-21 by following the steps mentioned below:

Step-1: Compilation of the training needs obtained from the participants of the training programmes of previous years.

Step-2: Preparation and mailing of 'Annual Training Need Assessment Questionnaire' to the client departments and organizations in order to obtain training needs of trust areas.

Step 3: Compilation of training needs obtained from the above mentioned steps and updated in the Regional Workshop on Implementation of Central Sector Schemes and Training Planning for NE States held on February 23, 2022 in online mode

Step 4: Finalization of thrust areas and themes of capacity building in the Annual Training Planning Workshop for MANAGE, EEIs and SAMETIs' organized by MANAGE, Hyderabad held on January 29, 2021.

Step 5: The finalization of academic calendar for 2022-23 of EEl (NE Region) was done in the Academic Committee meeting during February 23, 2021.

The summary of proposed programmes to be conducted by EEl, Jorhat is listed in the Table 6.

Table 3. Summary of proposed programmes to be conducted by EEl, Jorhat during 2022-21

S.N.	Type of Programme	Number
A	Off Campus and On-Campus Training Programmes	
1.		
2.		
3.		
4.		
Total Training/ Workshop programme		
B	Other Programmes	
1		
3		
Total programmes		

"Faith is the bird that feels the light when the dawn is still dark"

- Rabindranath Tagore

3.1 Proposed Academic Calendar for the year 2022-23

The following programmes will be conducted during 2022-23

3.1.1. On Campus Programmes

SN	Training/Workshop	Dates, Duration	Venue
1.			EEI (NE Region), Jorhat-
2.			EEI (NE Region), Jorhat
3.			EEI (NE Region), Jorhat
4.			EEI (NE Region), Jorhat
5.			EEI (NE Region), Jorhat
6.			EEI (NE Region), Jorhat
7.			EEI (NE Region), Jorhat
8.			EEI (NE Region), Jorhat
9.			EEI (NE Region), Jorhat
10.			EEI (NE Region), Jorhat

3.1.2 Off- Campus Programmes

SN	Programmes	Dates & Duration	Venue
1.			
2.			
3.			
4.			

“A life of joy and happiness is possible only on the basis of knowledge and science”
- Radhakrishnan

5.			
6.			
7.			
8.			
9.			
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17.			
18.			
19.			
20.			
21.			
22.			

“The secret of education lies in respecting the pupil.”

- Emerson

3.1.3 Skill Development Training Programme:

SN	Programmes	Dates, Duration	Venue
1.			
2.			
3.			

3.1.4 Regional Workshop:

SN	Programmes	Dates, Duration	Venue
1.	Regional Workshop on Implementation of Central Sector Schemes and Training Planning of EEI (NE Region) and SAMETIs of NE States	Dates to be decided	Venue to be decided

3.2. PGDAEM Programmes

The following PGDAEM programmes will be conducted during 2021-22

Table 3.2. PGDAEM programmes to be conducted during 2021-22

SN	Programme	Dates& Duration (Tentative)
1.	Contact classes of PGDAEM for Assam	Dates to be decided
2.	Contact classes of PGDAEM for Nagaland	Dates to be decided

FINANCIAL PERFORMANCE OF THE INSTITUTE, 2020-21

A summary of the budget allocation and expenditures during 2021-22 is given hereunder:

Statement of expenditure, 2020-21 as on March 15, 2021

(Rs. in Lakh)

SN	Head of Expenditure	Allocation	Expenditure
1.	Pay & Allowances		
2.	Travelling Expenses		
3.	Training Cost		
4.	Operational Cost		
5.	Non Recurring Cost		
Total			

“Do one thing at a time, and while doing it put your whole soul into it to the Exclusion of all else”

- Swami Vivekananda

Status of Present Financial position

(Rs. in Lakh)

Opening balance on 01-04-2021	
Fund received during 2020-2022	
Fund received + Previous balance	
Expenditure up to 28.02.2022	
Balance as on 01.03.2022	

5. HIGHLIGHTS OF PERFORMANCE SINCE INCEPTION

During last 30 years i.e. 1989 to 2020-21, EEI (NE Region) AAU, Jorhat conducted 581 number of training programmes in which a total of 15,179 extension functionaries of NE states participated. The salient aspects of performance of the institute during last 10 years are presented under the following heads:

5.1. Theme-wise distribution of Training Programmes

5.2. No. of training programmes in the last 10 years

5.3. Trends of participation during last 10 years

5.4. Trend of percentage of seat utilization during last 10 years

5.1. Theme-wise Distribution of Training Programmes

A total of 581 numbers of training programmes were conducted in the last 30 years. The theme wise distributions of training programmes were enlisted in the table given below.

Table 5.1. Theme wise distribution of training programmes

SN	Theme of the training programme	Numbers of training programme
1	Extension Methodology (EM)	49
2	Interpersonal Skills: Communication skills and motivational skills	72
3	Training , Human Resource Development & Institutional Capacity Building	77

“Life is a succession of lessons which must be lived to be understood”
- Emerson

4	Managerial Skills	77
5	Gender Mainstreaming : Household and Nutritional Security	18
6	Agricultural Technologies (AT)	93
7	Agricultural Extension Policy, Reforms and Processes	84
8	Agricultural Knowledge Management, ICT and Mass Media	50
9	Agri-business: Agri-Entrepreneurship and Public Private Partnership	41
10	Agricultural Marketing, Supply Chain Management	20
Total		581

5.2. No. of training programmes during last 10 years

The number of training programmes conducted in the last 10 years is given in Fig 4 (Table 1, Appendix I).

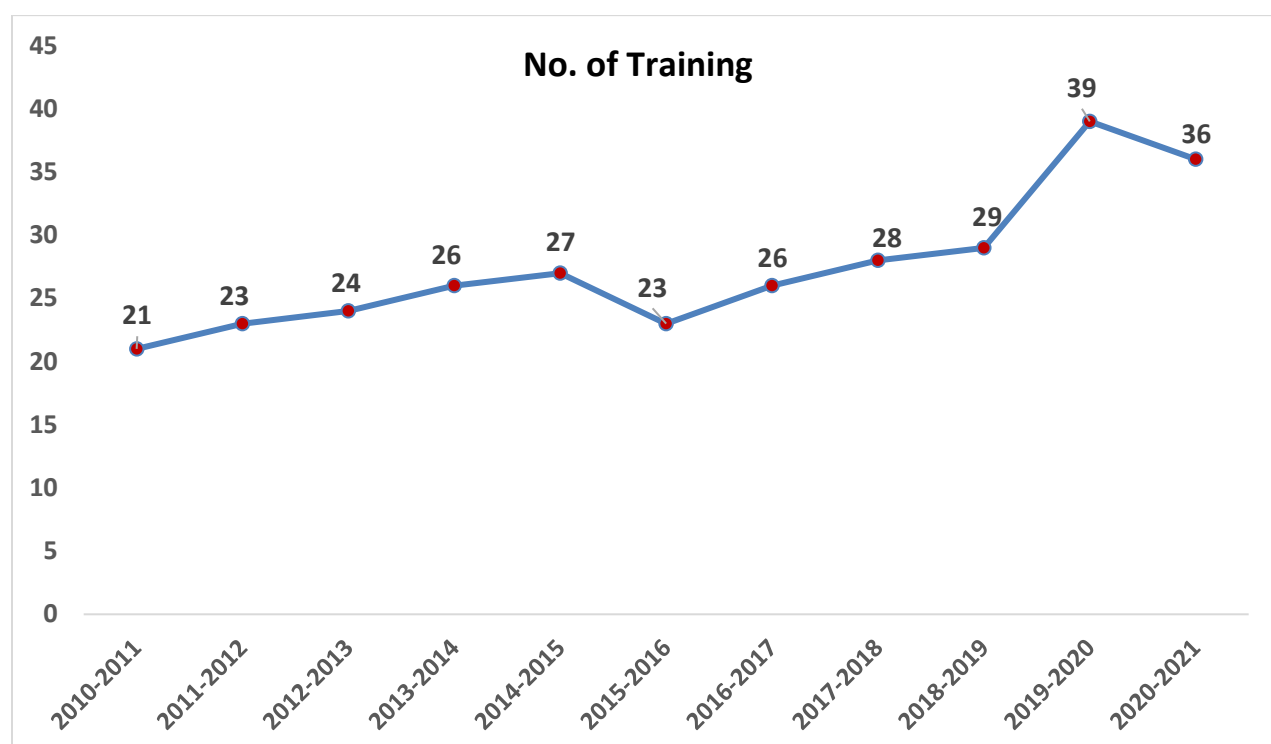


Fig.4: No. of Training Programmes in the last 10 years

“Language is courage: the ability to conceive a thought, to speak it, and by doing so make it true”
- Salman Rushdie

5.3. Trends of participation during last 10 years

The trend of participation in the last 10 years is given in Fig. 5 (Table 1, Appendix I).

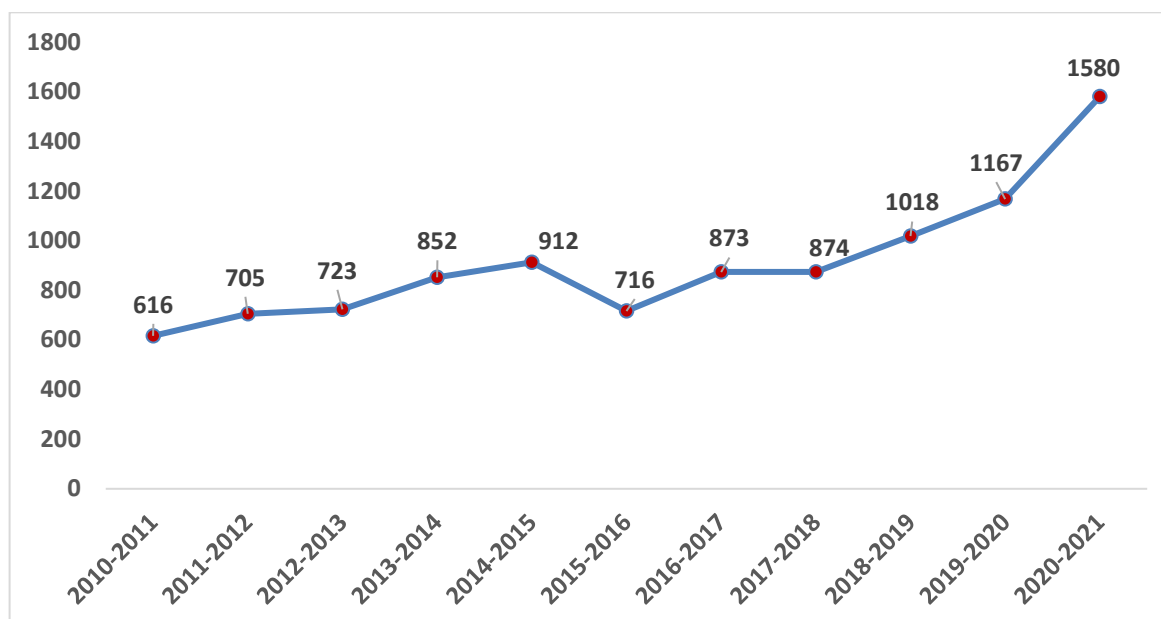


Fig.5: Number of participants during last 10 years

5.4. Trends of percentage of seat utilization during last 10 years

The figure below shows the percentage of seat utilization in the training programmes of EEI (NE Region) AAU, Jorhat in the last 10 years.

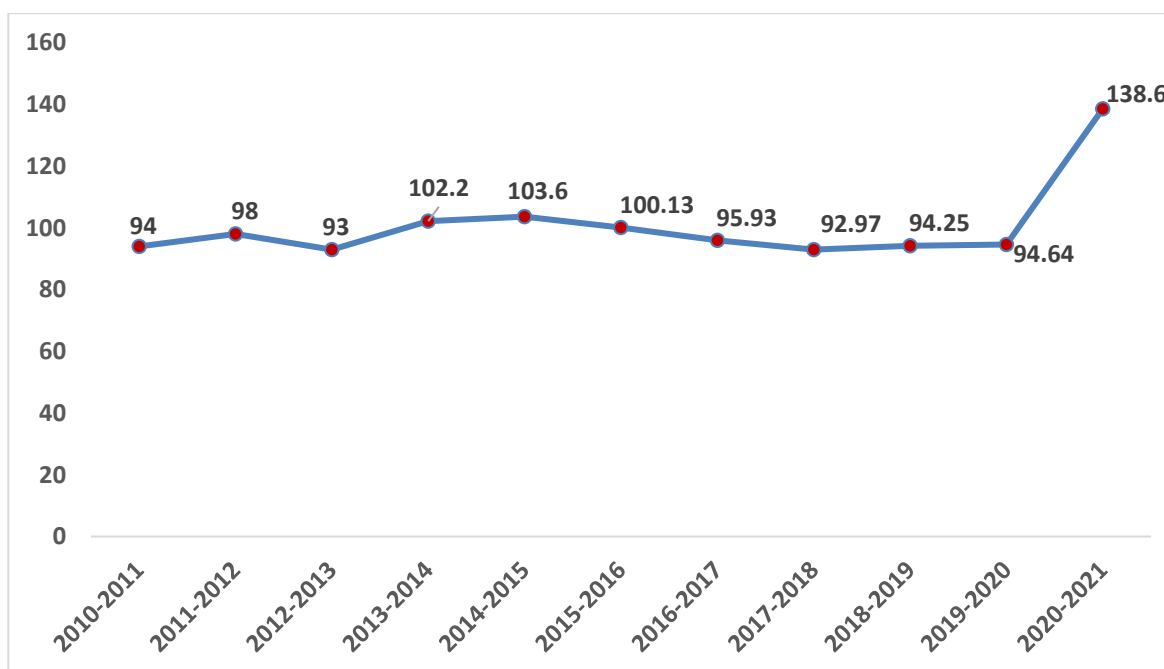


Fig.6: Trends of seat utilization (%) during last 10 year

*“Be a free thinker and don’t accept everything you hear as truth.
Be critical and evaluate what you believe in”* - Aristotle

APPENDIX – I**Table 1: Summary of Training Programmes in the last 10 years**

SN	Year	Total no. of Training	No. of Participants
1.	2008-2009	14	273
2.	2009-2010	22	570
3.	2010-2011	21	616
4.	2011-2012	23	705
5.	2012-2013	24	723
6.	2013-2014	26	852
7.	2014-2015	27	912
8.	2015-2016	22	716
9.	2016-2017	26	873
10.	2017-2018	28	874
11.	2018-2019	28	1018
12.	2019-2020	39	1167
13.	2020-2021	36	1580
14.	2021-2022		

Table 2: State-wise distribution of Participants in the Programmes during 2020-21

S N	States	Total no. of Participants
1	Assam	477
2	Meghalaya	245
3	Tripura	70
4	Arunachal Pradesh	106
5	Mizoram	120
6	Sikkim	88
7	Nagaland	174
8	West Bengal	57
9	Manipur	195
10	Others	48
TOTAL		1580

*“The quieter you become, the more you can hear”**- Buddha*

APPENDIX II**Table 3: Gender distribution of participants in the programmes during 2020-21**

SN	Programmes	Gender		Total
		Male	Female	
1.	Promotion of Agri-tourism and Agri Start-ups in NE region	70	32	102
2.	Agri-Entrepreneurship Development for NE Region	55	26	81
3.	Agri-Business potential effectiveness of extension functionaries	58	26	84
4.	Soft Skills for Interpersonal effectiveness of extension functionaries	33	48	81
5.	Formation and Management of FPOs/ FPCs (For SMS/PA of KVKs)	47	37	84
6.	Managerial Skills, Work Culture and Work Ethics for Agricultural Extension	37	39	76
7.	Gender Friendly Tools and Practices in Agriculture for NE Region	31	38	69
8.	Training Methods and Training Management for Trainers	16	19	35
9.	Value addition of selected Horticultural Commodities and Entrepreneurship Development	23	36	59
10.	Extension Approaches/Methods for promotion of Livestock Farming and Pisciculture	24	19	43
11.	Revisiting of SREP for Manipur	35	31	66
12.	Revisiting of SREP for Meghalaya	34	43	77
13.	Marketing approaches and skills for Extension Functionaries in Mizoram	35	36	71
14.	Market led Extension: Digital marketing and ICT tools in Assam	17	13	30
15.	Market led Extension: Digital marketing and ICT tools in Nagaland	16	12	28
16.	Agri-Entrepreneurship Development for youth in Meghalaya	33	38	72
17.	Market led Extension: Digital marketing and ICT tools in Arunachal Pradesh	14	21	35
18.	Market led Extension: Digital marketing and ICT tools in Sikkim	16	14	30

“A teacher is one who makes himself progressively unnecessary.”
— Thomas Carruthers

19.	Skill development for m-Extension, e-Extension and e- Marketing in Manipur	27	9	36
20.	Entrepreneurship and Agro-Tourism for up scaling rural economy in West Bengal	14	6	20
21.	Entrepreneurship and Agro-Tourism for up scaling rural economy in Tripura	18	10	28
22.	Value addition of selected Agril. Commodities in Mizoram and management of enterprise	18	16	34
23.	Efficacy of FPO -Extension Methods and Tools in Assam	13	6	19
24.	Efficacy of FPO -Extension Methods and Tools in Meghalaya	9	11	20
25.	Revisiting of SREP for Assam	14	12	26
26.	Agri-Entrepreneurship Development for youth in Sikkim	16	13	29
27.	Efficacy of FPO -Extension Methods and Tools in West Bengal	14	2	16
28.	Efficacy of FPO -Extension Methods and Tools in Tripura	11	2	13
29.	Value addition of selected Agril. Commodities in Nagaland and management of enterprise	10	20	30
30.	Entrepreneurship and Agro-Tourism for up scaling rural economy in Arunachal Pradesh	20	11	31
31.	Entrepreneurship and Agro-Tourism for up scaling rural economy in Nagaland	21	22	43
32.	Market led Extension: Digital marketing and ICT tools in Manipur	5	22	27
33.	Skill training on Mushroom Grower	-	20	20
34.	Skill training on Garden-Cum-Nursery Raiser	12	8	20
35.	Skill training on Vermicompost Producer	3	17	20
36.	Regional Workshop	6	19	25
Total		825	755	1580
Percentage (%)		52	48	100

“For the things we have to learn before we can do them, we learn by doing them.”

— Aristotle

APPENDIX III**Table 4: Subject matter wise distribution of Training on Extension Management
during 1989 to 2020**

SN	Subject Matter	No. of Training programme	No. of participants
1.	Communication skills and extension teaching methods	56	1176
2.	Training methods and training programme management	75	1647
3.	Teamwork and managerial skill development	62	1329
4.	Recent initiatives & On-going schemes, Prog., Supports of DAC,GOI	4	388
5.	PRA methods and participatory planning	24	571
6.	Formation, promotion and management of CIG/SHG/NGO	36	895
7.	Preparation and use of audio-visual aids	14	227
8.	Farming situation based extension (FSBE)	12	145
9.	Entrepreneurship development	28	794
10.	Farm journalism and Mass media production and use	8	169
11.	Leadership development	12	286
12.	Motivation techniques and Extension Management	4	83
13.	IT application in Agricultural Extension and Cyber Extension	6	165
14.	Public Private Partnership	11	265
15.	Market led extension	24	897
16.	Gender Sensitization and Empowerment of women	13	339
17.	Planning, monitoring and evaluation of project	13	262
18.	Behavioural skills development	12	326
19.	Climate change in context to agriculture	6	213
20.	Participatory Watershed Development	11	203
21.	Management of IPM programme	3	69
22.	Extension Reform	42	1557
23.	Rice Hispa control in Jorhat District	4	87
24.	Zonal Workshop Improvement	4	57
25.	Cluster Training Improvement	5	86

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26	Capacity building of Field Management Committees Assam	5	150
27	Action Research	1	16
28	Plant Variety Protection and Farmer's Rights	3	89
29	Nutrition Education and Agriculture Interface for rural health	1	28
30	Process documentation and Record keeping	4	75
31	Advanced Technologies in Organic Farming	9	334
32	Information & Communication Technology (ICT)	10	271
33	Revisiting of SREP	3	169
	TOTAL	525	13,428

Table 5: Discipline wise distribution of training programme on technological aspects during 1989 to 2020

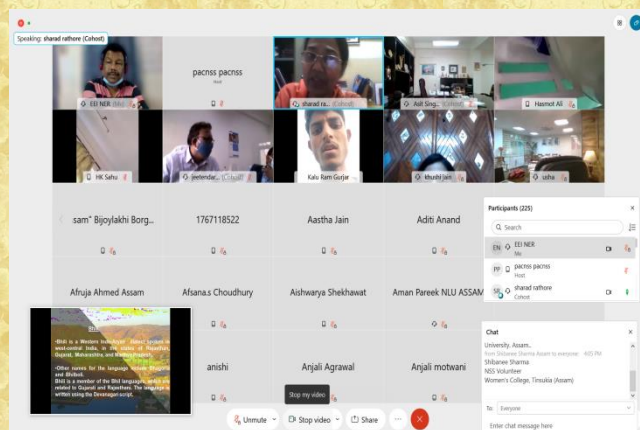
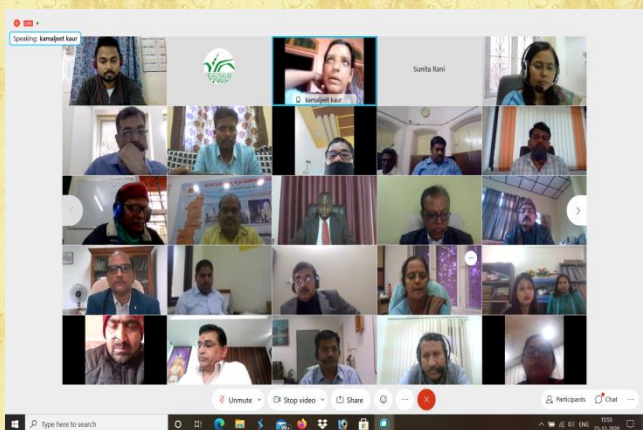
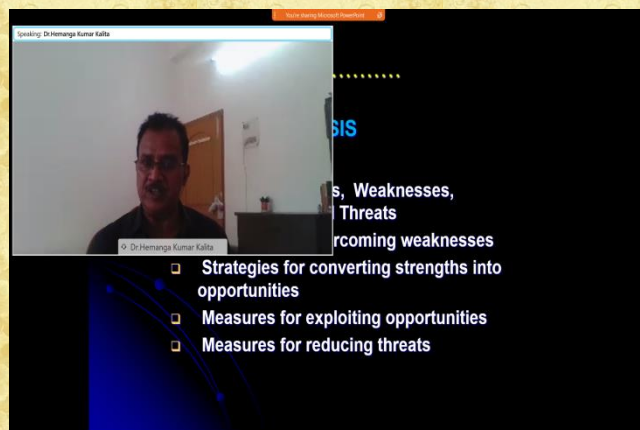
SN	Subject matter	No. of Training programme	No. of participants
1	Agricultural Technology	41	1305
2	Animal husbandry and Vety	10	301
3	Horticultural technology	4	110
4	Sericulture Technology	1	35
B	TOTAL	56	1751

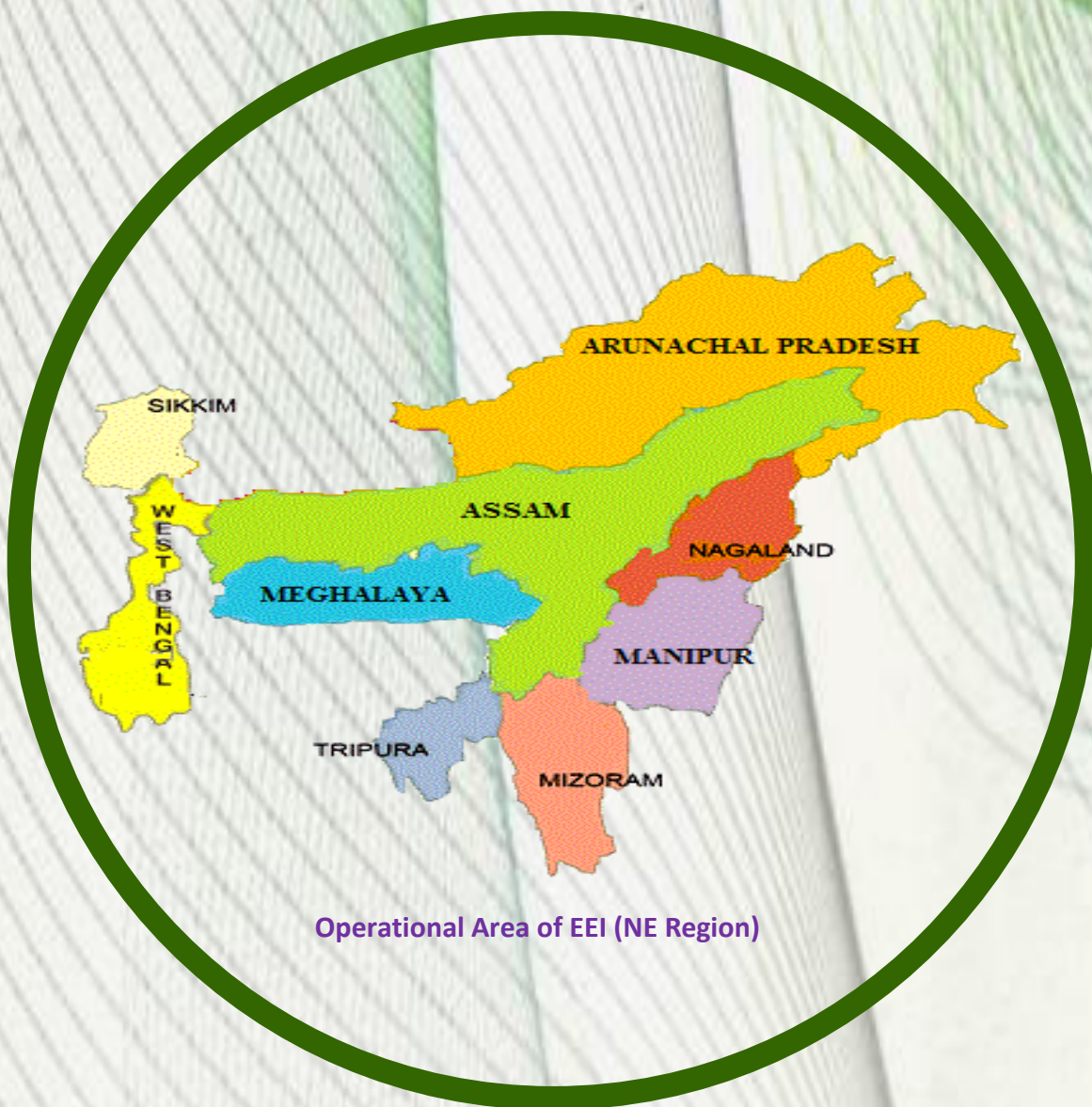
Grand Total (A+B)

Total number of training programme = **581**

Total number of participants = **15,179**

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Operational Area of EEI (NE Region)



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