

Training Completion Report

Training Course on Disaster Management through Climate Smart Agriculture



03-07 October 2021



National Agriculture Training Academy
Gazipur-1701

Disaster Management through Climate Smart Agriculture

Course Management

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NATA, Gazipur
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Director (Training)
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NATA, Gazipur
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1. Introduction

Bangladesh is a disaster risk hotspot, ranked fifth in the top 15 countries with highest risks (World Disaster Report 2012, page-9: World Risk Index). A low-lying country with more than 230 waterways, Bangladesh is one of the most disaster-prone nations in the world. The country is well within the tropics and is the largest delta in the world formed by the mighty rivers namely the Ganges, the Brahmaputra and the Meghna. Bangladesh has special geographical feature. Bangladesh becomes the worst victim of natural calamities causing colossal loss of lives and properties. Major disasters that occur in Bangladesh are: tropical cyclone, tidal bore, flood, tornado, river bank erosion, earthquake etc. Disasters are increasing, and their impacts on people have become more conspicuous in recent years. In this respect, Bangladesh is known for its innovations in disaster risk reduction at the national, local, and community levels. Bangladesh is prone to floods and cyclones, and the risk of other disasters such as drought, earthquakes, and tornados is increasing. The impacts are becoming more visible at the local level, with greater impacts on poor and vulnerable communities.

Bangladesh is one of the most vulnerable countries to climate change in the world and will become even more susceptible in future (Islam et al. 2011). Floods, cyclones, storm surges and droughts are expected to become more frequent and severe in the coming years. The effects of climate change on agriculture and other sectors are already evident. The agricultural sector is most likely to face significant yield reduction in future due to climate variability (Islam *et al.* 2011). Natural disasters have number of adverse effects on human security. The most obvious immediate negative effect relates to destruction of life and property. There are also implications for livelihood and employment of people in the affected areas, and for the immediate viability of cultivation and other economic activities in the affected areas. Natural disasters disrupt the nation's food supply and decimate the livelihoods of the many Bangladeshis who work in agriculture.

It is an accepted fact that occurrence of the natural disasters cannot be prevented altogether but their adverse impact can be reduced substantially by undertaking various preparedness and mitigation measures. When disaster strikes, the best protection knows what to do. The impact of disaster can only be combated effectively if we have a rational and objective understanding of them. The adverse impacts of all the natural hazards affecting socio-economic condition need to be reduced for sustainable development.

Course objectives

Upon completion of the course on Disaster Management through Smart Agriculture the participant will be able to Respond the adverse effect planning, formulating, implementing disaster and climate change activities in agriculture.

Duration of the Course

Duration of the course is 5 days starting from 03 October and ends 07 October 2021.

Prerequisites of the course:

- To attend in the training class in time;
- To be present at least 99% of the classes otherwise certificate may not be awarded;
- Maintain the norms in dormitory and cafeteria;
- Absent from any session is not allowed without prior permission from the course coordinator even in case of emergency;
- Enthusiastic to learn and share ideas in training session; and
- Cell phone must be kept in silent mode.

2. Course Content

Topics	Method
Basic Concepts on Disaster Management through Climate Smart	L,D
Climate Change: National and Global Scenario	L, D
Disaster Management System in Bangladesh & Agriculture Rehabilitation Programs and Planning are Taken by DAE after Disaster Management	L, D
Hydroponics- An alternative & Climate Smart Cultivation Techniques Under Changing Climate	L, D
Sustainable Development Goal	L,D
Introduction to Crop Modeling and It's Application	L, D
Crop Production Management in Drought, Char & Hilly Areas	L, D
Updated Technologies of BRRI for Agriculture in Climate Change	L, D
Flood, Flash flood and Water Logging and their Impacts on Agriculture	L, D
Adaptation Strategies for Disaster and Climate Risks Management in Agriculture	L, D
Updated Technologies of BARI for Agriculture in Climate Change	L, D
Salinity Intrusion Effect on Agriculture	L, D
Disaster Management and Social Safety nets Strategies: Bangladesh	L, D
Meteorology and Weather Forecasting for Agriculture	L, D
Implication of Agro-meteorology for Agriculture Disaster Management	L, D
Basic Concept on Disaster, Hazard, Vulnerability, Risk and Climate Change	L, D
Inter-relation among Environment, Population and Development	L, D
ICT for Disaster Management	L, D
GIS and Remote Sensing in Disaster Management	L, D
National Policy, Planning and Act on Disaster Management	L, D
Bangladesh Disaster Management Planning and Future Perspective	L, D
Machinery and Mechanization to Mitigate Climate Change	L, D
Citizen's Charter	L, D
Seedling production techniques of vegetable and spice crops on floating bed under submerged/flooded ecosystem	L, D

L= Lecture, D=Discussion, E= Exercise, P= Presentation

3. Training Methods & Materials:

Following method were followed and materials were used in the training session-

Method: Lecture/Open discussion/ Group work/ Paired sharing/ Question and Answer, Review
Materials: Slides, Computer, Multimedia Projector, White board, Marker, Duster, Internet, Sound system

4.Sports & Recreation:

There is a playground, a tennis court and a volley ball court in NATA campus. So the participants can avail the opportunity to play sports in that areas. There is also a recreation room with color T.V in the dormitory. The daily newspapers are also available in the recreation room for the participants.

5. Concluding Session

Course is evaluated by the participants individually both providing open-ended and close-ended interview schedule at the end of the training.

6.Course evaluation by the participants

The summary of the course evaluation of the participants are mentioned below:

- i. The course contents is sufficient;
- ii. Management of the training course is satisfactory;
- iii. Selection of the resource speaker is good;
- iv. Resource speaker from different related organization should be included;
- v. Field trip should be arranged for practical learning;
- vi. Topic related experts should be involved in the session and please avoid heavy profile person.
- vii. Speaker selection should be more specific according to topic specialist;
- viii. Tea break should be at 10.45am-11.00am;
- ix. Practical session should be included in this course;
- x. Management team was very cordial and helpful;
- xi. A tour to go agro meterology center;
- xii. Some token/gift as recognition after completion of course (1st position holder);
- xiii. Ice breaking session is necessary;
- xiv. *Salat* room for women;
- xv. Training honorarium should be increased up to 1000/-;
- xvi. Training oriented video should be used in lecture presentation;
- xvii. Limited tea and lunch break time;
- xviii. Introduction to different apps should be included;
- xix. Internet facilities should be increased further;
- xx. Continues class without break.
- xxi. Wi-Fi network speed should be increased
- xxii. A mini computer lab should be developed in dormitory

7. Feedback from the participants

This training will certainly help them to strengthening to enhance the capacity of them to meet the challenges of climate change and mainstream them as part of development in agriculture sector. It will also help them to develop disaster resilient cropping systems. The topics were very contemporary and need based for them. The resource persons were topic renowned relevant experts, knowledgeable, and having practical experiences in this field. There was an ample scope to get introduced and exchanged ideas between the officers of different organizations under the Ministry of Agriculture. The time management of that training was definitely excellent. Participants selection should be homogenous and those who were working in adverse climatic region (e.g., Drought prone, salinity, flash flood etc.) They requested to arrange a refresher's course for them. In fact, the cooperation and management system of training by Course Coordinator, Assistant Course Coordinators and the NATA authority were praiseworthy. In a nutshell, the training was incredibly fruitful for them.

8. Speech by the Course Coordinator

We, as a nation, are most vulnerable to disaster due to climate change and consequently adaptation is our priority. Floods, tropical cyclones, storm surges and drought are likely to become more frequent and severe in the coming years. A large number of poor people are to live in vulnerable areas in Bangladesh. Disaster and climate change is not an external issue – rather, it must be internalized by all sectors. Human induced and technological disasters are getting more dominance in the landscape of disaster management. The training on disaster management was selected on the basis of training need assessment from the officers of the different organizations under the Ministry of Agriculture. We tried our level best to make the training program successful. Furthermore, we looked upon the different discipline related issues for smooth running of that training program. We expected that this program would certainly develop their knowledge and skill and made them more confident as well which would accelerate their performance in mitigation and adaptation on disaster management in their own fields.

9. Speech by the Chief Guest

In terms of climate, Bangladesh is characterized by high temperatures, heavy rainfall, high humidity, and fairly marked seasonal variations. Agriculture is one of the most sensitive sectors to climate change, particularly changes in temperature, rainfall patterns, and increased likelihood of extreme events such as droughts and floods. This training course was very essential in the mitigation and adaptation on disaster and climate change related adverse impacts on crop agriculture. To meet up the demand of technology transfer in a good learning environment and achieving a success in disaster management, the knowledge on disaster management is inevitable. The participants could apply the acquired knowledge and skill in their respective areas competently.

10. Speech by the Chairperson

Bangladesh has a Participatory Disaster Management Programme (PDMP) with a focus on disaster management and prevention, and also adaptation to climate change. The focus is on ‘soft’ measures to reduce the impacts of disasters, with an emphasis on preparedness, such as: awareness raising of practical ways to reduce disaster risks and losses, to strengthen national capacity for disaster management; enhance knowledge and skills of personnel in handling disasters; establishing disaster action plans in the most disaster prone areas. This training was need based training. To build up teaching capacity of the officers under the Ministry of Agriculture, this training can play a vital role. From such consideration, this training course was organized.

11. Distribution of Certificate

The certificates were distributed among the participants after successfully completion of the Training. Director (Training) was present as chief guest.

12. List of the participants

Thirty one participants from different organizations under ministry of Agriculture were the participants of this course.

SL	Name	Designation	Working station
1	DR. MD. ASADUZZAMAN	Principal Scientific Officer	BWMRI, Regional Station, Jamalpur
2	MD. SHAHADAT HUSSAIN	Regional Agriculture Information Officer	AIS, Barishal
3	MD. NAJRUL ISLAM	Assistant Director	BIRTAN, Araihasar, Narayanganj
4	PRIYANKA CHAKRABORTI	Scientific Officer	On Farm Research Division, BARI, Patuakhali
5	MD. RASHIDUL HASAN ANIK	Scientific Officer	On Farm Research Division, BARI, Bhola
6	MD. MOSIUR RAHMAN	Additional Deputy Director (Crops)	DAE, Natore
7	TARUN KUMAR BALA	Agriculture Extension Officer	DAE, Sharsha, Jashore
8	MOSIUR RAHMAN	Agriculture Extension Officer	DAE, Bishwambarpur, Sunamganj
9	MD. SHAHADAT HOSSAIN	Agriculture Extension Officer	DAE, Rowmari, Kurigram

SL	Name	Designation	Working station
10	SHEIKH SALMAN ZAMAN	Agriculture Extension Officer	DAE, Mollahat, Bagerhat
11	MD. ZAHIDUL ISLAM ELIYAS	Agriculture Extension Officer	DAE, Birampur, Dinajpur
12	SAIFUL ISLAM	Agriculture Extension Officer	DAE, Jamalpur Sadar, Jamalpur
13	FARZANA AZAD SHUMI	Agriculture Extension Officer	DAE, Ishwarganj, Mymensingh
14	SK. TAYEABUR RAHMAN	Agriculture Extension Officer	DAE, Indurkani, Pirojpur
15	MD. AKRAM HOSSAIN	Agriculture Extension Officer	DAE, Sarail, Brahamanbaria
16	SUFIA AKTER	Agriculture Extension Officer	DAE, Delduar, Tangail
17	MD. AMAJ UDDIN	Agriculture Extension Officer	DAE, Pakundia, kishoreganj
18	FARHAD JAMAN	Agriculture Extension Officer	DAE, Moheshkhali, Cox's Bazar
19	MD. ABDUL MALEK CHOWDHURY	Executive Engineer	Barind Multipurpose Development Authority, Naogaon Region-2
20	MD. AL EMRAN HOSSAIN	Scientific Officer	BSRI, Ishurdi, Pabna
21	MD. ASHRAFUL ALAM	Scientific Officer	BSRI, Chunarughat, Habiganj
22	KAZI AMINUL ISLAM	Senior Scientific Officer	SRDI, Divisional Laboratory, Barishal
23	MD. NASIR UDDIN	Scientific Officer	SRDI, Regional Laboratory, Mymensingh
24	SHAMS-AL-MAHMUD	Scientific Officer	BINA, Sub Station, Rangpur
25	MD. RAYHAN SIKDER	Scientific Officer	BINA, Sub Station, Noakhali
26	MT. MIMI TALUKDAR	Assistant Director(Horticulture)	BADC, Rajshahi

SL	Name	Designation	Working station
27	MD. SHAHIDULLAH KAISHER	Assistant Director(CG)	BADC, Dinajpur
28	MD. MEHEBUB HASAN	Scientific Officer	Jute Research Regional Station, BJRI, Faridpur
29	KHALEDA YESMIN	Soil fertility & water management Specialist	CDB, Mymensingh Zone
30	DR. MOSUD IQBAL	Senior Scientific Officer	BRRI, Gazipur
31	AISHIK DEBNATH	Scientific Officer	BRRI, Regional Station, Barishal

13. List of Resource Personnel

Sl. No.	Name of the speakers	Designation and Address	Mobile NO.	e-mail
01	Dr. Md. Abdul Mueeed,	Senior Consultant, CIMMYT, Bangladesh & Ex DG, DAE, Khamarbari, Dhaka	01716-940311	mueeedbd61@gmail.com
02	Dr. Md. Humayun Kabir	Professor, Department of Geography and Environment, Dhaka University	01717-711024	mh_kabir@yahoo.com
03	Dr. Atique	Ex. Additional Secretary (Rtd)	01715-234606,	atiqur4032@gmail.com
04	Dr. Moin Us Salam	Consultant, CYMMIT, Bangladesh	01855-871938	moinsalam1@gmail.com
05	Dr. Apurba Kanti Choudhury	CSO, STD, BARI, Gazipur	01819-128302,	apurba.chowdhury@gmail.com
06	Dr. Khandakar Md. Iftekharuddaula	CSO & Head, Plant Breeding Division BARI, Gazipur	01732-761747	kiftekhar1969@gmail.com
07	Dr. Md. Durrul Huda	CSO, FMPHTD, BARI, Gazipur,	01719-783558	durrul.fmpht@bri.gov.bd
08	Md. Shameem Hassan Bhuiyan	Meteorology & Project Manager, WIBCI, Bangladesh Meteorological Department	01750-000456	shameem.bmd@gmail.com
09	MD. Rafiqul Islam.	Deputy Director, NATA, Gazipur	01718970041	badal.rafiqul@gmail.com
10	Dr. MD. Jamal Uddin	Deputy Director, NATA, Gazipur	01712-272859	jamaldae@yahoo.com
11	Abul Kalam Azad	Deputy Director, NATA, Gazipur	01940-652412	azadipm@gmail.com
12	Dr. Parimal Chandra Sarker	PSO (STD), BARI, Gazipur	01712-102012	parimal@bari.gov.bd , sarkerparimalch@yahoo.com
13	Eng. AFM Tariqul Islam	SSO, ASICT Division, BARI, Joydebpur, Gazipur	01727-700625	afmtareq@gmail.com
14	Dr. Md. Asaduzzaman	SSO, Olericulture, HRC, BARI, Joydebpur, Gazipur	01718-131545	asadcbt@yahoo.com

14. Training Schedule



Title: Disaster Management through Climate Smart Agriculture

(Duration: 03-07 October 2021)

Date: 03/10/2020

Working Day-01

Day: Sunday

<i>Time</i>	<i>Topics</i>	<i>Facilitator</i>
9.00-9.15	Registration	Lucky
9.15-9.45	Inaugural Session	DG/Directors, Course Coordinator & Assistant Course Coordinators
9.45-10.00	Pre-evaluation	CC/ACC
10.00-11.00	Basic Concepts on Disaster Management through Climate Smart Agriculture	Dr. Md. Abdul Mueeed, Senior Consultant, CIMMYT, Bangladesh & Ex DG, DAE, Khamarbari, Dhaka. Mob-01716-940311
11.00-11.20	Tea Break	Aharjo Cafeteria
11.20-12.20	Climate Change: National and Global Scenario	Do
12.25 - 1.25	Disaster Management System in Bangladesh Agriculture Rehabilitation Programs and Planning are Taken by DAE after Disaster Management	Do
1.25- 2.30	Prayer & lunch Break	Aharjo Cafeteria
2.30- 3.30	Hydroponics- An alternative & Climate Smart Cultivation Techniques Under Changing Climate	Dr. Md. Asaduzzaman, SSO, Olericulture, HRC, BARI. Mob. 01718-131545
3.35 - 4.35	Sustainable Development Goal	Abul Kalam Azad, Deputy Director, NATA Mob. 01940-652412 Email: azadipm@gmail.com
4.35-5.00	Evening Tea	Aharjo Cafeteria

This Schedule is subjected to change

Training Schedule

**Title: Disaster Management through Climate Smart Agriculture
(Duration: 03-07 October 2021)**

Date: 04/10/2020

Working Day-02

Day: Monday

<i>Time</i>	<i>Topics</i>	<i>Facilitator</i>
9.20-9.30	Review of the previous day	CC/ACC
9.30-10.30	Introduction to Crop Modeling and It's Application	Dr. Moin Us Salam, Consultant, CYMMIT, Bangladesh Mob-01855-871938
10.35-11.35	Crop Production Management in Drought, Char & Hilly Areas	Do
11.35-12.00	Tea Break	Aharjo Cafeteria
12.00-1.00	Updated Technologies of BRRI for Agriculture in Climate Change	Dr. Khandakar Md. Iftakharuddaula, CSO & Head, Plant Breeding Division BRRI, Gazipur. Mobile: 01732-761747
01.00-2.30	Prayer & lunch Break	Aharjo Cafeteria
02.30-03.30	Updated Technologies of BARI for Agriculture Climate Change	Dr. Apurba Kanti Choudhury CSO, STD, BARI, Gazipur Email: apurba.chowdhury@gmail.com Mob-01819-128302
03.35- 4.35	Salinity Intrusion Effect on Agriculture	Do
4.35- 5.35	Evening Tea	Aharjo Cafeteria

This Schedule is subjected to change

Training Schedule

**Title: Disaster Management through Climate Smart Agriculture
(Duration: 03-07 October 2021)**

Date: 05/10/2020

Working Day-03

Day: Tuesday

<i>Time</i>	<i>Topics</i>	<i>Facilitator</i>
9.20 -9.30	Review of the previous day	CC/ACC
9.30-10.30	ICT for Disaster Management	Eng. AFM Tariqul Islam SSO,ASICT Division, BARI Email: afmtareq@gmail.com Mob. 01727-700625
10.35-11.35	GIS and Remote Sensing in Disaster Management	Do
11.35-	Tea Break	Aharjo Cafeteria
12.00-1.00	Disaster Management and Social Safety nets Strategies: Bangladesh Perspective	Dr. Md. Jamal Uddin, Deputy Director, NATA, Gazipur. Mob. 01712-272859 Email: jamaldae@yahoo.com
01.00-2.30	Prayer & lunch Break	Aharjo Cafeteria
2.30-3.30	Meteorology and Weather Forecasting for Agriculture	Md. Shameem Hassan Bhuiyan Meteorology & Project Manager, WIBCI, Bangladesh Meteorological Department shameem.bmd@gmail.com , Mob-01750-000456
3.35-4.35	Implication of Agro-meteorology for Agriculture Disaster Management	Do
4.35-5.00	Evening Tea	Aharjoo Cafeteria

This Schedule is subjected to change

Training Schedule

Title: Disaster Management through Climate Smart Agriculture
(Duration: 03-07 October 2021)

Date: 06/10/2020

Working Day-04

Day: Wednesday

<i>Time</i>	<i>Topics</i>	<i>Facilitator</i>
9.20-9.30	Review of the previous day	CC/ACC
9.30-10.30	Basic Concept on Disaster, Hazard, Vulnerability, Risk and Climate Change	Prof. Dr. Md. Humayun Kabir, Department of Geography and Environment, Dhaka University Mob-01717-711024, mh_kabir@yahoo.com
10.35-11.35	Inter-relation among Environment, Population and Development	Do
11.35-12.00	Tea Break	Aharjo Cafeteria
12.00-1.00	Projection of Climate Change and Disaster Challenges in Bangladesh	Do
1.00-2.30	Prayer & Lunch Break	Aharjo Cafeteria
2.30-03.30	Flood, Flash flood and Water Logging and their Impacts on Agriculture	Dr. Parimal Chandra Sarker, PSO (STD), BARI, Gazipur, 01712-102012 sarkerparimalch@yahoo.com
3.35-4.35	Adaptation Strategies for Disaster and Climate Risks Management in Agriculture	Do
4.35-5.00	Evening Tea	Aharjo Cafeteria

This Schedule is subjected to change

Training Schedule

Title: Disaster Management through Climate Smart Agriculture
(Duration: 03-07 October 2021)

Date: 07/10/2020

Working Day-05

Day: Thursday

<i>Time</i>	<i>Planned sessions and Topics</i>	<i>Facilitator</i>
9.00-9.15	Review of the previous day	CC/ACC
9.15-10.15	National Policy, Planning and Act on Disaster Management	Dr. Atique, Ex.Additional Secretary (Rtd), Email:atiqu4032@gmail.com, Mob:01715-234606
10.15-11.15	Bangladesh Disaster Management Planning and Future Perspective	Do
11.15-11.30	Tea Break	Aharjo Cafeteria
11.30-12.30	Machinery and Mechanization to Mitigate Climate Change	Dr. Md. Durrul Huda, CSO,FMPHTD, BRRI, Gazipur, Mob. 01719783558
12.30-1.30	Citizen's Charter	Dr. Md. Jamal Uddin, Deputy Director, NATA,Gazipur. Mob. 01712-272859
1.30-2.30	Prayer & lunch Break	Aharjo Cafeteria
2.30-3.30	Seedling production techniques of vegetable and spice crops on floating bed under submerged/flooded ecosystem	MD. Rafiqul Islam, Deputy Director, NATA,Gazipur. Mob. 01718-970041 Email: badal.rafiqu@gmail.com
3.30-4.00	Post evaluation	Course Coordinator & Assistant Course Coordinators
4.00-4.30	Closing ceremony	DG/Directors, Course Co-ordinator and faculty Members, NATA
4.30-5.00	Evening Tea	Aharjo Cafeteria

This Schedule is subjected to change

15. Training Course Evaluation by the participants

The topics they liked:

1. Introduction to Crop Modeling and It`s Application
2. Updated technologies of BARI for Agriculture in Climate change
3. GIS and Remote Sensing in Disaster Management
4. Meteorology and Weather forecasting for Agriculture
5. Basic concept on disaster, hazard, vulnerability, risk and climate change
6. Hydroponics –An Alternative & Climate Smart Cultivation Techniques Under Changing Climate
7. Crop production Management in Drought, Char & Hilly Areas
8. Seedling Production Techniques of Vegetables and Spice crops on Floating bed under submerged/Flooded ecosystem
9. Adaptation strategies for disaster and climate risks management in agriculture
10. ICT for Disaster Management
11. Mitigation strategies for disaster and climate risks management in agriculture
12. Updated technologies of BRRI in relation to disaster management

The topics need to be added

1. Practical session related to weather forecasting
2. Visit to meteorological station and Visit Bangabandhu satellite station
3. Tour on Relevant Topics
4. Soil Health Management
5. Pest Control
6. Rooftop Agriculture and Vertical Agriculture
7. Irrigation and Drainage system
8. Indigenous techniques to cope up with the disaster
9. BRRI, BARI visit to see the modern climate smart Agricultural technology
10. Technology for future disaster management in agriculture
11. Implementation of GIS, GPS and remote sensing in agriculture should be included;
12. International techniques for disease and insects management as disaster management should be included;
13. Field Visit should be arrange.

The issues that are disliked by the participants

1. Less time for Practice
2. Load shedding
3. Very tight schedule
4. Almost all class lecture oriented
5. Projector is not work properly
6. Some speakers were not qualified for this course.
7. Less Honorarium for present situation

The others associated issues they liked

2. Time management
3. Cooperation of Course Coordinator and Asst. Course Coordinator very Remarkable
5. Discipline & management
6. Management of dormitory
- 8 . Cooperation of NATA Authority

Provided Service Quality

1. Neat and cleanliness facilities-80%
2. Library facilities – 30%
3. Audiovisual facilities – 70%

Recommendations for the improvement of the course

1. Practical session related to weather forecasting
2. Disaster Management mechanism
3. Tour on relevant topics
4. Soil health management
5. Rooftop gardening
6. Crop modeling advanced
7. Honorarium should be increased
8. Practical class should be more
9. Internet access should be increased
10. Improved food should be supplied
11. Choose quality Resource person

Following Future planning should be considered to establish NATA as a centre of excellence

1. Specific team building to specific task
2. Expert faculty member
3. Uninterrupted electricity
4. Whole campus should be under CCTV

16. Resource Speakers Evaluation by the Participant

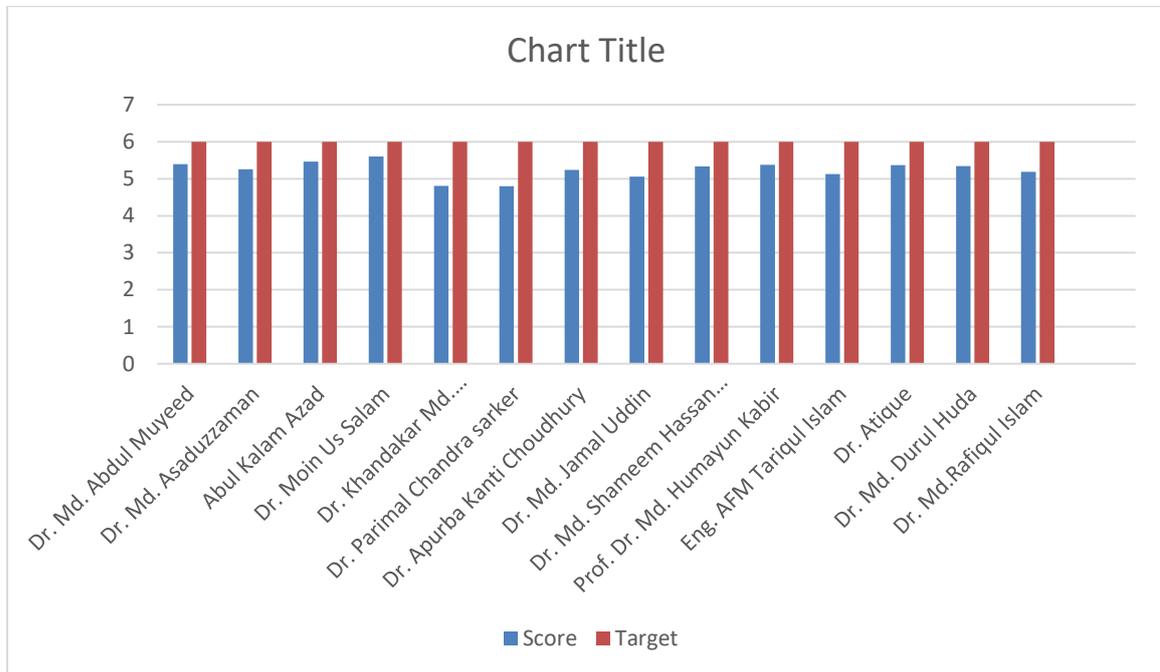
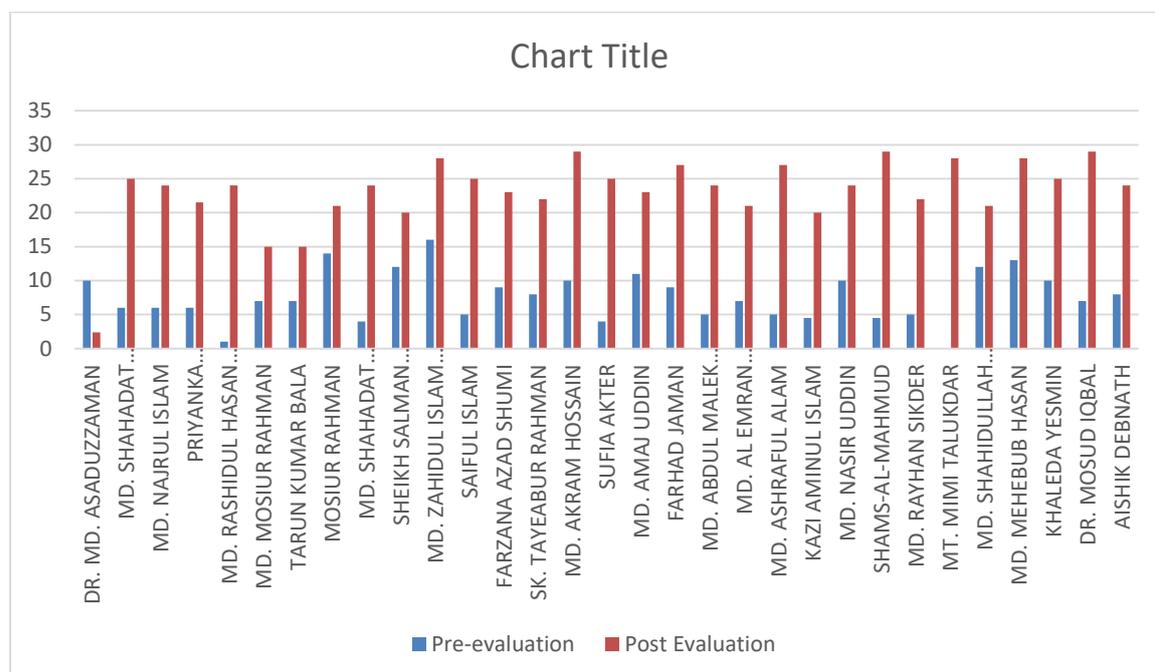


Figure 1: Resource person evaluation by the trainee's.

17. Training Evaluation Report of Participants on Disaster Management in Agriculture



Full Marks: 30

Figure 2: Trainee's (1-31) pre & post evaluation by the course management.

Evaluation	Lowest Marks	Highest Marks	Average Marks
Pre-Evaluation	00	16	07.54
Post Evaluation	15	29	25.08

Pictorial View of Training Activities

Inaugural ceremony



Inaugural ceremony



Session conducted by Dr. Md. Abdul Mueed, Senior Consultant, CIMMYT, & Ex DG, DAE, Khamarbari, Dhaka



Session conducted by Dr. Md. Asaduzzaman, SSO, Olericulture, HRC, BARI



Session conducted by Dr. Shameem Hasan Bhuyian, Agri-Meteorologist, BMD



**Session conducted by Dr. Md. Atiqur Rahman, Additional Secretary,
MoDMR**



**Closing ceremony addressed by Course Coordinator (Chief Guest,
DD (Admin), NATA)**



Closing ceremony

Closing ceremony addressed by Chief Guest, DD (Admin), NATA



Certificate distribution among participants by DD (Admin) NATA



Certificate distribution among participants by DD (Admin) NATA



Certificate distribution among participants by DD (Admin) NATA



**Closing ceremony addressed by Chief Guest, DD (Admin),
NATA**

