



REPORT

Specialized Training on the Application of Modern Tools and Techniques in Forestry

15-21 September 2022

Assam Forest Guard School,
Makum, Tinsukia, Assam



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1. Acknowledgement

Training is one of the important aspects for the knowledge and skill upgradation of the staff to carry out their functions effectively towards achieving the aspired targets to reach the broader goals of the organization. Assam Forest Guard School has a broader goal to train the Forest Guards and other field-implementing units with the skills necessary to address issues of conservation and protection of forestry and wildlife. The training has helped the Forest Guards to get acquainted with Modern tools and technologies, their relevance in the field of conservation along with the recent developments important to the sector.

We would like to sincerely thank the APFBC project, supported by AFD-India (Agence Française de Développement), for their guidance and for the funding to hold the training program on Specialized Training on the Application of Modern Tools and Techniques in Forestry and providing the needed fund from APFBC project.

Moreover, we would like to express our gratitude to Shri K.S.P.V. Pavan Kumar, IFS, Additional Principal Chief Conservator of Forests, Biodiversity, and Climate Change, as well as Project Director-Project Management Unit (PD-PMU), Assam Project on Forest and Biodiversity Conservation (APFBC) Society, for his direction, support, and guidance that helped the training program be completed successfully.

The accomplishment of this training would not have been possible without the regular guidance, suggestion, and direction of Dr. Sonali Ghosh, Chief Conservator of Forests -Research, Education and Working Plan (REWP) Division. We offer our gratitude for her kind support and input.

Additionally, we would like to express our thanks to all the faculty members, including Mr. M.K. Goswami, DFO, Govt. T.T. & S. Plant, Makum, Ms. Papor Khatoniar, F.R., Dibrugarh Division, Ms. Kasturi Sule, IFS, ACF, Digboi Division, Mr. M.C. Phukon, F.R.(Retd.), and Mr. P. Sharma, F.R. (Retd.). Mr. Mayurakshya Bharadwaj, F.R., AFGS, Makum, Mr. M.P. Bania, Fr-I, AFGS, Makum, Mr. Gyan Sharma, Institutional Development Specialist, APFBC, Mr. Jiten Goswami, Deputy Ranger, AFGS, Makum, and all other personnel who were directly or indirectly involved with the training sessions.

Further, we would like to express our gratitude to Director, Assam Forest School, Jalukbari and his team for providing the necessary communication to spread the word about our program via Twitter.

We would like to express our appreciation to all the AFGS staff and other members for their assistance and cooperation during the training process.

Superintendent,
Assam Forest Guard School,
Makum, Tinsukia, Assam

2. Background

The employee in the organization is accountable for a variety of duties and obligations, which might vary from simple chores to complicated operations. As a result, every employee needs to understand the organization's goals, culture, and operational processes via-a-vis their job descriptions, and responsibilities. Some of the obligations assigned to the individual may even necessitate the usage of specialized talents. In addition, the employees must have the correct mindset to carry out their responsibilities.

Organizations must make provisions to educate, develop and enhance the skills of their employees through various training programs. The Assam Forest Guard School aims to provide Forest Guards, foresters, and other employees with the necessary skills to address issues of conservation and protection of forests and wildlife.

The Assam Forest Guard School was established in 1980 and is situated in the industrial city of Makum, Tinsukia, Assam. The goal of this training school is to provide training to the front-line employees of the forest department. Since its inception, the school has trained about 2,889 Forest Guards and Game Watchers. The Research Education and Working Plans (REWP) Division, Forest Department of Assam oversees the administrative functions of the Forest Training Institutes, whereas the Superintendent oversees the Assam Forest Guards School. The Assam Forest Guard School runs a number of specialized training programs as and when required. Specialized training in the application of modern tools and techniques in forestry was conducted recently from 15 to 21 September 2022. The training report is prepared to explain the details of the training program conducted.

3. Specialized training in the Application of Modern Tools and Techniques in Forestry

The Assam Forest Guards School in Makum conducted specialized training on the use of contemporary and modern tools and techniques in forestry from 15 to 21 September 2022, for the Forest Guards and Game Watchers. A total of 18 forest guards/game watchers participated in the above-said training program. The funding for this training was sourced from the APFBC Phase II.

The main objectives of this training were:

- Awareness on issues and challenges pertaining to the conservation of forests and wildlife
- Sensitize on the recent technological interventions, use of technology
- Hands-on experience with applications of modern tools and techniques

The training included lecture sessions from the senior forest officials of the department having extensive knowledge and experience in forestry-related topics and practical know-how. The training included an overview of forest policy and law, contemporary forestry instruments, Global Positioning System (GPS), computer applications, knowledge of digital callipers, weather meters, and the importance of drone technology for aerial surveillance, among others.

For hands-on experience in GPS application training, the participants visited Lakhpathar Range in Digboi Division. On their way to the Kherjan Beat Office, the trainees also stopped by the Digboi Museum and War Cemetery. The participants, here, learned how to seize stumps, logs, and other hammer imprints. As

part of the field trip, visits to the Dhola-Sadiya and Bogibeel bridges were also conducted. The detailed day-wise session of the training program is presented in this report. The training module for specialized training is placed in Annexure - 1 for reference.

4. Participants in the training

18 participants (Forest Guards: 17; Game watchers: 1) from 14 divisions participated in the training program (the list of participants is placed in Annexure II for reference).

5. Resource Persons' Profile

The resource person's team comprised departmental experts, retired foresters, and an APFBC project representative. Given below is a brief description of the resource persons along with the sessions conducted by them (See Annexure - 1 for Module for Specialized Training).

Table 1: Resource person profile

Sl. No	Name of the Facilitator	Designation	Session Title
			Registration
1	Mr. Saidul Alam	Superintendent, Assam Forest Guards School, Makum	Welcoming the participants and Inaugural session Group discussion and feedback
2	Mr. M. K. Goswami	DFO, Govt. T.T. & S. Plant, Makum	Introductory session – basic knowledge of modern tools and their importance in forestry Forest Conservation Act 1980/Minor Mineral Concession Rule 2013
3	Mr. Mayurakshya Bharadwaj	F.R., AFGS, Makum	Practical session: working with GPS at Lakhpathar RF under Digboi Division
4	Ms. Paporri Khatoniar	F.R., Dibrugarh Division	Brief knowledge of digital calliper and weather-meter Field Practical: working with the digital callipers, weather meter, and GPS at Dihing Patkai National Park (supported by Mr. Mayurakshya Bharadwaj)
5	Mr. Gyan Sharma	Institutional Developmental Specialist, APFBC	Team Building and Motivation
6	Ms. Kasturi Sule	IFS, ACF, Digboi Division	Computer application and downloading of data from GPS to PC Brief knowledge of Densimeter Importance of drone technology in terms of aerial surveillance of forest areas and

Sl. No	Name of the Facilitator	Designation	Session Title
			demonstration
			Field visits and training on the operation of drones.
			A brief session on routine maintenance of modern tools to increase their lifespan
7	Mr. Jiten Goswami	Deputy Ranger, AFGS, Makum	Field practical working with GPS and Densimeter at Charaipung Range under Digboi Division (supported by Mr. Mayurakshya Bharadwaj)
8	Mr. M. C. Phukon	Forest Ranger (Retd.)	Role play on implementation of Forest Law along with case study
			Field visit to Dhola-Sadiya to study riverine ecological succession
9	Mr. P Sharma	Forest Ranger (Retd.)	Wildlife Protection Act 1972
10	Mr. M. P. Bania	Fr-I, AFGS, Makum	Field visit to Kherjan beat office for learning seizure procedure of stumps, logs & various hammers and enroute visit to Digboi museum (supported by Mr. Rekibuddin Ahmed, Deputy Ranger, Digboi Range)
			Computer application and downloading of data from GPS to PC.
	Valedictory function		

6. Venue and Date

The training was organized at Assam Forest Guards School, Makum from 15 to 21 September 2022.

7. Training methodologies

The following training methodologies were used in the training program:

- Lecture and group discussions
- Group exercises and group assignments
- Individual exercises
- Powerpoint presentation

8. Proceedings

The day-wise proceedings of the training are mentioned below:

Day 1: 15 September 2022

Session I: Registration of Trainees and Inaugural Session

The inaugural session began with the registration of the trainees, handing over the reading materials and the welcome kit.



Picture 1: Registration and welcoming of Participants

Session II: Introductory Class on Modern Tools & importance in forestry. Basic knowledge of the application of GPS

Resource Person: Mr. M.K. Goswami, DFO, Govt. T.T. & S. Plant, Makum



Picture 2: Introductory session on Modern Tools

The participants were introduced to the recent technological advancement and cutting-edge modern tools and equipment utilized in the fields of forestry and wildlife conservation, during this session. Additionally, they received a fundamental and theoretical explanation of the utilization of GPS.

Key takeaways from the session:

- Relevance of modern tools and techniques in present-day forestry
- Their use and maintenance.

Session III: Field Practical - Working with GPS at Lakhpathar RF under Digboi Division

Resource Person: Mayurakshya Bharadwaj, F.R., AFGS, Makum



Picture 3: Practical application of GPS at field location

The trainees were given hands-on experience in the use of GPS in the field for collecting waypoints and tracks in this session.

Key takeaways from the session:

- Recording a location's latitude and longitude.
- Making route-specific tracks.
- Using GPS to arrive at a predetermined point.

Day 2: 16 September 2022

Session I: Forest Conservation Act 1980/Minor Mineral Concession Rule-2013

Resource Person: Mr. M.K. Goswami, DFO, Govt. T.T. & S. Plant, Makum.

The trainees were given a brief overview of the Forest Conservation Act of 1980 act throughout the session on how the act helped to safeguard the forest, together with its flora, wildlife, and other various biological components, while conserving and preserving the integrity and territory of the woods.

Key takeaways from the session:

- Roles of the central government, state government, and other authorities to take any decisions related to forestry
- Penalties in case of violations and other related aspects



Picture 4: Session on Forest Conservation Act 1980

Session II: Brief knowledge of Digital Calliper and Weather meter

Resource Person: Papori Khatoniar, F.R., Dibrugarh Division



Picture 5: Session on calliper and weather meter

The session covered various calliper types as well as how to use callipers to measure a tree's diameter at breast height precisely. The benefits and drawbacks of using the callipers were also discussed with the trainees. Also highlighted was the use of weather meters to research the microclimate of forests.

Key takeaways from the session:

- Proper handling, maintenance, and usage of the equipment
- Discussion of several measurement units
- Taking precise measurements of a tree's diameter at breast height

Session III: Motivation for Forest Guard and Game watcher

Resource Person: Mr. Gyan Sharma, APFBC

The session covered soft skill aspects such as understanding self through the Johari Window, Problem-solving mechanisms and needs, characteristics of the team, and team building in the forestry sector.



Picture 6: Session on team building

Key takeaways from the session:

- Need to understand self to better understand others.
- Importance of out of the box thinking in problem-solving aspects
- Understanding team, and team building process
- Role of team building in the forestry sector

Session IV: Field Practical: Working with Digital calliper, Weather meter, and GPS at Dihing Patkai NP

Resource Person: Papor Khatoniar, F.R., Dibrugarh Division, and Mayurakshya Bharadwaj, F.R., AFGS, Makum



Picture 7: Practical session on use of Digital Calliper

The participants used callipers to measure the diameter of trees at breast height. Both the traditional tree callipers and the digital calliper's accuracy were evaluated. The appropriate and hands-on operation and upkeep of the equipment were experienced by the trainees.

Key takeaways from the session:

- Proper handling, maintenance, and usage of the equipment
- Discussion of several measurement units
- Taking precise measurements of a tree's diameter at breast height

Day 3: 17 September 2022

Session I: Computer application and downloading of data from GPS to PC

Resource Person: Ms. Kasturi Sule, IFS, ACF, Digboi Division



Picture 8: Computer application and downloading of data

The different computer components, their functions, as well as the use of computer applications in general and in the forestry sector, in particular, were covered in the session. The participants were also shown how to use GPS and mobile-based apps to capture and record the tracks and footprints of the places they patrol and transmit the data to the computer.

Key takeaways from the session:

- Learning and understanding different computer components and their functions
- Using computers in the forestry industry
- Using GPS and mobile-based location monitoring and tracking applications

Session II: Downloading of data from GPS to PC. Brief knowledge of Densimeter

Resource Person: Ms. Kasturi Sule, IFS, ACF, Digboi Division



Picture 9: Downloading of data from GPS to PC

This session covered the various components of computers, their functions, and the use of computers in general and forestry in particular. The trainees were also shown how to use GPS and mobile applications to record the locations they patrol and then download the information to a PC. A brief knowledge of Densimeter was also provided to the trainees to make them understand how to calculate the percentage of canopy cover

Key takeaways from the session:

- Learning about the parts of a computer & their uses
- Application of computers in the Forestry sector
- Use of GPS and mobile-based location-tracking apps
- Canopy cover

Session III: Field Practical Working with GPS and Densimeter at Charaipung Range under Digboi Division

Resource Person: Jiten Goswami, Deputy Ranger, AFGS, Makum, and Mayurakshya Bharadwaj, F.R., AFGS, Makum. Mr. Gyan Sharma from APFBC also accompanied the visit



Picture 10: Practical of GPS and Densimeter

The trainees were told to use GPS and mobile applications to record the footprints/ tracks of the regions they patrol and to send the data to a PC. They learned how to measure the density of the forest canopy using a Densiometer.

Key takeaways from the session:

- Using GPS and mobile-based location monitoring applications
- Measuring forest canopy density using a Densiometer
- The significance of these tools and technology in forestry

Day 4: 18 September 2022

Session I: Role Play on implementation of Forest Law

Resource Person: Mr. M.C. Phukon, F.R.(Retd.)

The trainees received an introduction to the various laws governing and related to forest conservation and protection in the session, along with details of their key provisions and case studies.

Key takeaways from the session:

- Knowledge of the various laws pertaining to forests
- Key sections and practical applications of the laws during relevant situations
- Case studies and real-life scenarios to help trainees learn how to apply forest rules



Picture 11: Role play on implementation of forest law

Session II: Role Play on implementation of Forest Law along with Case study

Resource Person: Mr. M.C. Phukon, F.R.(Retd.)

The various laws governing forests were explained to the trainees in this session, along with their key provisions and different real-life case studies.

Key takeaways from the session:

- Learning various laws governing forests.
- Important sections and how to apply them in relevant situations.
- Case studies and stimulating real-life



Picture 12: Case study discussion on Forest Law

scenarios for a better understanding of the application of forest laws.

Session III: Field visit to Dhola- Sadiya to study riverine ecological succession

Resource Person: Mr. M.C. Phukon, F.R.(Retd.)



Picture 13: Field visit to Dhola-sadiya

The trainees were instructed on how species in a particular region gradually adapt and evolve in response to their environment until equilibrium is attained. They also learned about how geography, environment, and other physical variables influence the process of soil genesis.

Key takeaways from the session:

- Ecological succession and idea on pioneer species, seral community, and climax community.
- Process of soil formation and its profile, structure, texture, etc.

Day 5: 19 September 2022

Session I & II: Wildlife Protection Act 1972

Resource Person: Mr. P Sharma, F.R. (Retd.).



Picture 14: Discussion on Wildlife Protection Act 1972

The objective of safeguarding the many varieties of flora and animals (across the country) was explained to the trainees. They were instructed on the many definitions provided by the Act, including those for hunting, trophies, animal articles, etc. They were instructed on the process followed for the declaration of any National Parks and Wildlife Sanctuaries in accordance with this act, as well as the accompanying penalties, for any offenses.

Key takeaways from the session:

- Important definitions as per the act.
- Provisions on Prohibition of hunting.
- Declaration and Protection of Wildlife Sanctuaries and National Parks.
- Constitution of Various Bodies
- Schedules under the Act

Session III: Field visit to Kherjan Beat Office for learning seizure procedure of stumps, logs & various hammers and Enroute visit to Digboi Museum.

Resource Person: M.P. Bania, Fr-I, AFGS, Makum, and Rekibuddin Ahmed, Deputy Ranger, Digboi Range



Picture 15: Field visit for learning seizure procedure

The field visit helped the trainees to identify various types of hammers in the department, their proper use, seizure procedure, etc.

Key takeaways from the session:

- Proper use of hammers for making various markings
- Safekeeping of hammers
- How to conduct search and seizure

Day 6: 20 September 2022

Session I: Computer application and downloading of data from GPS to PC

Resource Person: Mr. M.P. Bania, Fr-I, AFGS, Makum.



Picture 16: Computer Application and Use of GPS

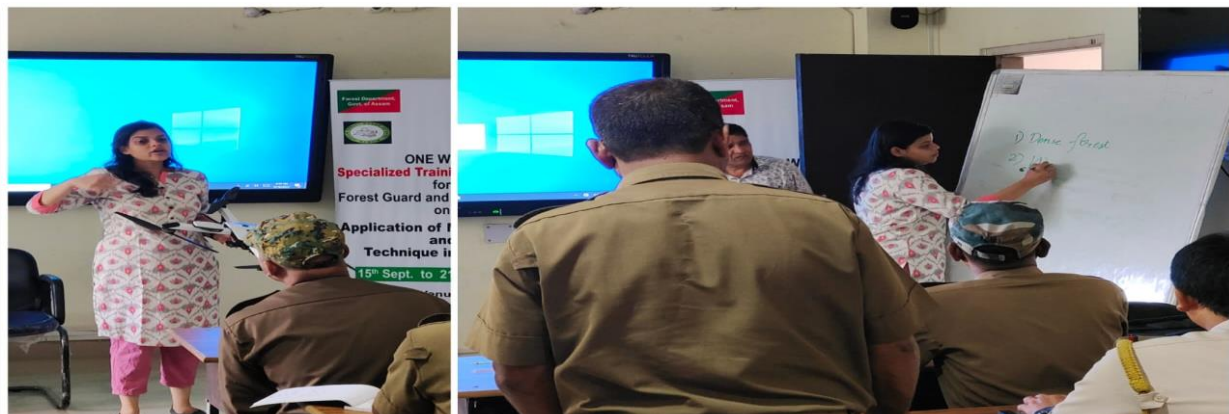
The different computer components and their functions, as well as computer applications in general and in forestry in particular, were covered in this session. Additionally, the trainees learned how to use GPS and mobile applications to record the tracks of the places they patrol and send the information to a computer.

Key takeaways from the session:

- Learning about the parts of a computer & their uses
- Application of computers in the Forestry sector
- Use of GPS and mobile-based location-tracking apps

Session II: Importance of Drone technology in terms of aerial surveillance of Forest areas & demonstration.

Resource Person: Ms. Kasturi Sule, IFS, ACF, Digboi Division.



Picture 17: Important of Drone technology

The different drone components, including rotors, propellers, and frames, were taught to the trainees. The launch, navigation, and landing of the drone using remote controllers were shown. Different types of drones were also discussed. A briefing on the different applications of a drone, including search and rescue, surveillance, weather monitoring, firefighting, drone-based photography, videography, etc. was also taught to the trainees.

Key takeaways from the session:

- Learning about the parts of drone & their uses
- Application of drones in the Forestry sector
- Hands-on experience in using remote controls to launch, navigate and land the drone

Session III: Field visit and training on the Operation of Drones.

Resource Person: Ms. Kasturi Sule, IFS, ACF, Digboi Division.



Picture 18: Hands on experience of Drone technology

The launch, navigation, and landing of the drone using remote controllers were demonstrated. A briefing on the different applications of a drone, including search and rescue, surveillance, weather monitoring, firefighting, drone-based photography, videography, etc. was also given to the trainees.

Key takeaways from the session:

- Learning about the parts of a drone & their uses
- Application of drones in the Forestry sector
- Hands-on experience in using remote controls to launch, navigate and land the drone

Day 7: 21 September 2022

Session I: Brief on routine maintenance of modern tools to increase their lifespan

Resource Person: Ms. Kasturi Sule, IFS, ACF, Digboi Division.

The trainees were taught about the proper maintenance of modern tools so that it is less likely to break down, which leads to increased uptime, more working hours for the equipment, fewer repair costs, and therefore increased revenue.



Picture 19: Maintenance of modern tools

Key takeaways from the session:

- Proper maintenance of modern tools.
- Proper storage of the devices.

Session II: Group Discussion and feedback



Picture 20: Group discussion session with the participants

The session was held to understand the group's understanding of different sessions and their usefulness in their daily chores of work-life, and how the training program has helped them to evolve and work more efficiently. It was followed by the gathering of feedback from the participants

Session III: Valedictory function.

Chief Guest: Ms. Kasturi Sule, IFS, ACF, Digboi Division.

The session was concluded with a closing ceremony speech by the Chief Guest of the training session followed by certificate distribution to the participants of the training.



Picture 21: Valedictory Function

9. Other Activities

Every morning, PT sessions were conducted to maintain the physical fitness of the trainees.

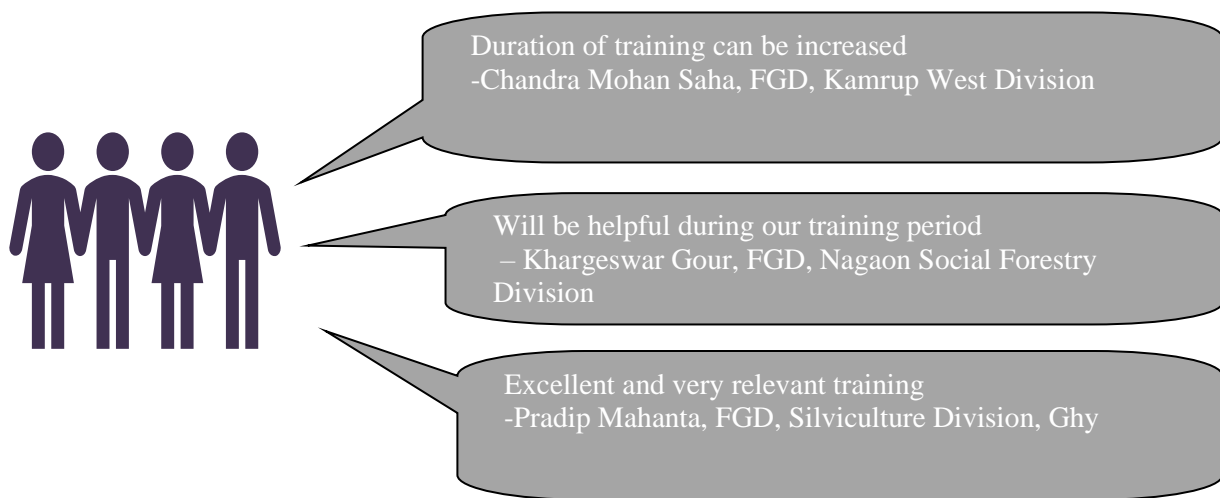


Picture 22: P.T. sessions



Picture 23: Lunch and dinner served to trainees

10. Feedback of Trainees



The feedback was collected and collated for every session including the general aspects such as lodging facilities, meals, and others. The participant marked their feedback for different topics/sessions and other aspects as either excellent or good or average. Based on their ratings, the following points emerged:

General Feedbacks

► Understanding of the participant:

- Before training: Before training, 77% of trainees reported having an average grasp of the material; just 16% of trainees stated having a greater understanding.
- After training: Everyone who took part said that their knowledge and abilities had improved. After training, 61% of participants thoroughly agree that their skills have improved, and 55% of respondents fully concur that the training program has assisted them in learning and increasing their knowledge of relevant subjects/ topics

► Relevance, Expectations, and Environment

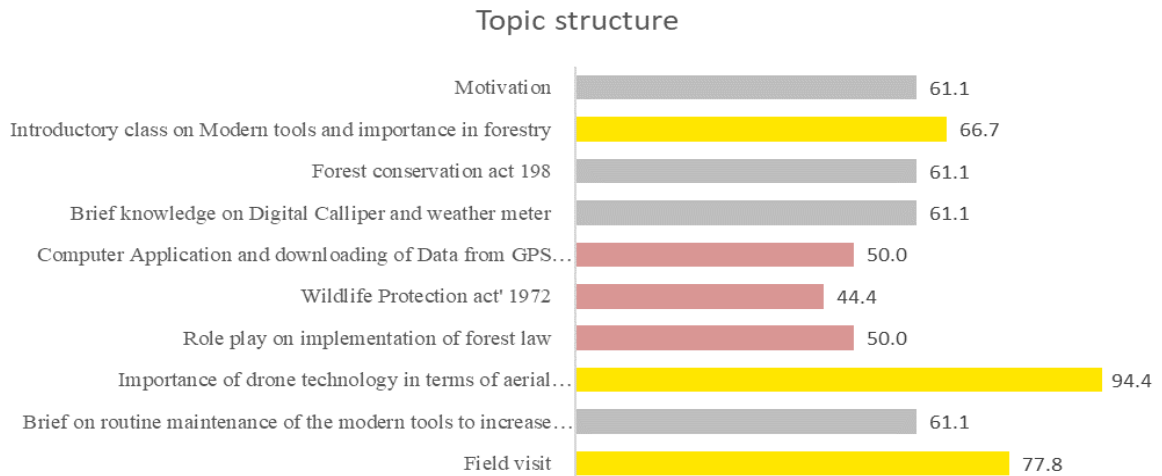
- **66% of** participants believed that they were given an excellent and favorable learning environment
- 72% of participants thought the training design was highly relevant to them.
- All participants agree that the training met their expectations for it, although 61% of them rated the fulfillment of that expectation as being in the center of the range.

► Other factors

- The accommodations and boarding amenities were rated as outstanding by 50% of the participants and good by the other 50%.
- In addition, 56% of participants said that the meal quality, including breakfast, lunch, and supper, was great, while the remaining 44% thought it was good.
- 72% of participants said training support items such as OHP, whiteboard, and others were of outstanding quality, and 66% of respondents said that the assistance or help from the school personnel was of an exceptional type.

Subject-wise feedbacks

► Structures of the sessions:



(Note: Yellow: Top-rated, Red: Least Rated, Grey: mid-rated)

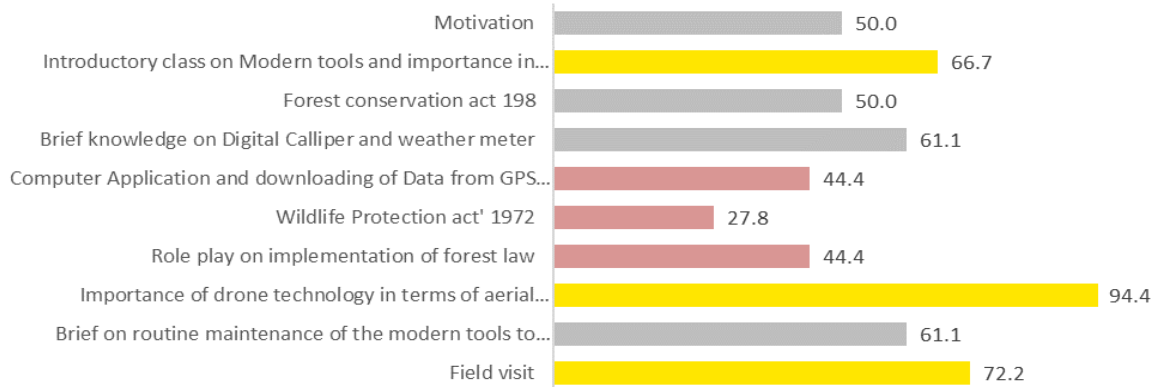
- Drone technology was rated excellent by 94.4% of the participants, followed by field trips with a rating of 77.8%. Modern tools and their importance, forest conservation acts, knowledge of callipers, and motivations were also rated excellent by 61-67% of the participants.
- Wildlife protection act sessions need to be better structured to be more engaging, 44% of the participants find it excellent. Largely participants mark the session to be good.
- Since the majority of the participants were rather elderly and had never used a computer before, the computer application and the downloading of data from the GPS to the PC may need to be somewhat revised. There might have been some hesitation as well on using computers.

► Interest generated during the sessions:

- According to the level of interest that was generated during the session, the importance of drone technology was rated excellent by 94.4% of the participants, followed by field trips, which were rated excellent by 72.2%.
- Modern tools and their importance, as well as Knowledge of callipers and Maintenance of tools also received relatively high ratings (excellent) from 61-67% of the participants.
- Among the participants, 50% believe that the Motivation and Forest Conservation Act sessions were successful in generating interest.

- 45% of participants said the roleplay on implementing forest regulations was excellent, while 28% found the session on protecting wildlife (legal portion) was excellent. Other respondents agreed that these sessions were good in generating interest.

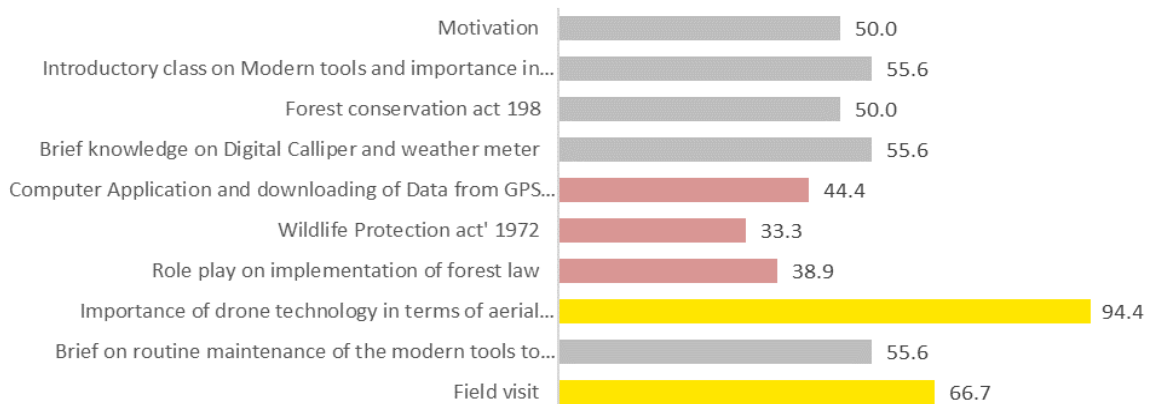
Interest Generated



(Note: Yellow: Top-rated, Red: Least Rated, Grey: mid-rated)

► Delivering Lectures:

Delivering Lectures



(Note: Yellow: Top-rated, Red: Least Rated, Grey: mid-rated)

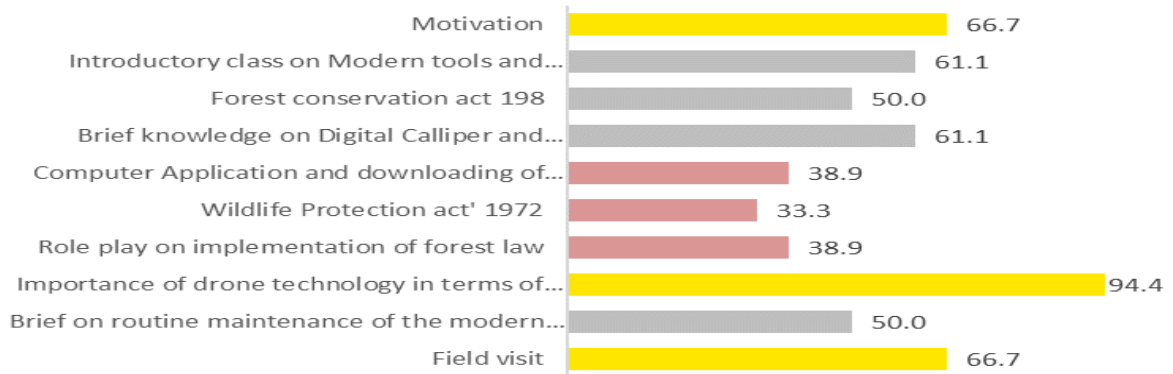
- All the sessions received excellent or good ratings for how well the lectures were delivered.
- 94.4% of participants gave the importance of drone technology an outstanding grade (excellent) when it came to lectures during the session which was followed by field trips, which garnered 67% of the participants' excellent ratings.
- Computer applications and downloading of data from GPS to PC (44%), Role-playing in

forest law (39%), and Wildlife Protection Act (33%) comparatively received ‘excellent’ for the sessions in terms of delivering lectures whereas other participants marked these sessions as good.

► **Reading Materials:**

- The importance of drone technology received an excellent rating from 94.4% of participants for the reading materials presented during the session, followed by Motivation and Field trips with a score of 67%.
- 61% of the participants rated reading materials of Modern Tools and Knowledge of Calliper to be excellent.
- 50% of participants found reading materials on routine maintenance of modern tools and Forest conservation act sessions to be exceptionally effective in generating interest.

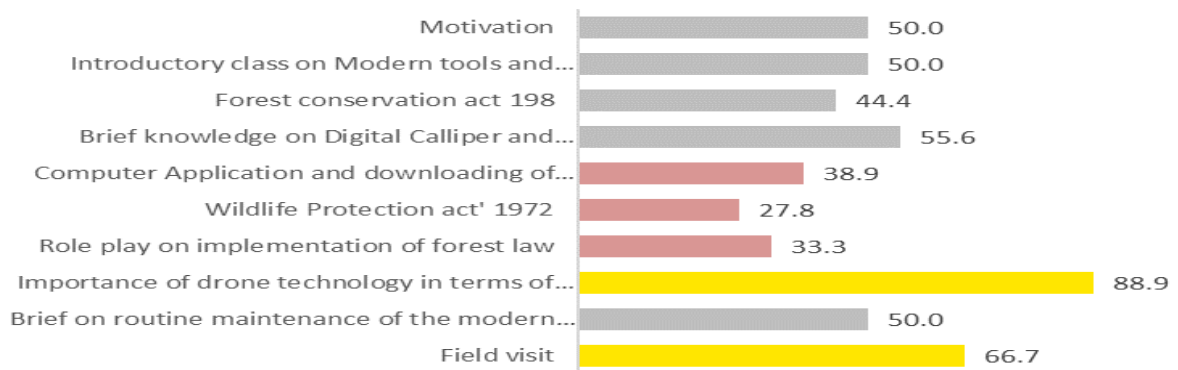
Reading materials



(Note: Yellow: Top-rated, Red: Least Rated, Grey: mid-rated)

► **Overall Understanding:**

Overall Understanding



(Note: Yellow: Top-rated, Red: Least Rated, Grey: mid-rated)

- 89% of individuals said they had an overall exceptional understanding of the importance

of drone technology, which was followed by field trips (67%) and knowledge of digital callipers (56%).

- 50% of participants said they understood motivation, contemporary tools and their use in forestry, and contemporary tools' routine maintenance well.
- Wildlife Protection Act (27%), Role Play on Forest Law (33%), and Computer Application and Downloading of Data from GPS to PC (39%) received the least number of excellent ratings from participants. but overall these training sessions were rated good by other participants.

11. Conclusion

The Forest Guards' seven-day specialized training on the use of modern tools and technologies took place at the Makum Campus. The instruction was given offline. Forest officials and other specialists with in-depth knowledge of forestry imparted the training session to the participants. Topics such as - an introduction to modern forestry equipment, utilizing GPS, forest policy and legislation, computer applications, familiarity with digital callipers, and weather meters, and the significance of drone technology for aerial surveillance were covered in the course. Field visits were organized to provide participants with hands-on experience with GPS applications, drones, callipers, the process of capturing stumps, logs, hammer imprints, and others for their skill building.

The Forest Guards expressed their satisfaction through feedback mechanisms on the training content, methodology, and delivery of the trainers. They were highly satisfied with the entire training event. The participants responded positively to the training sessions such as using drones, digital callipers, and other tools. The field trips also helped in enhancing their knowledge and skilling using the tools and equipment.

Annexure- I: Module of Specialised training

Programme for one week Specialized Training on "Application of Modern Tools and Technique in Forestry" for Forest Guards' School, Makum
Under APFBC Scheme, Nos. of Trainees -20 each batch

Date	Time	Session-I	Time	Session-II	Time	Session-III & IV	Time	Time
	8-00 am To 8-30 am	8-45 am to 10-15 am	10-15 am To 10-30 am	10-30 am to 12-00 Noon	12-00 Noon To 1-00 pm	1-00 pm to 4-00 pm	4-00 pm To 5-00 pm	8-00 pm To 9-00 pm
15-09-2022	Break Fast	Registration and Inaugural Session (S. Alam, Suptd.)	T E A B R E A K	Introductory Class on Modern Tools & importance in forestry.. Basic knowledge on application of GPS (M.K. Goswami, DFO, Govt.T.T.&S. Plant, Divn.)	L a n c h B r e a k	Field Practical : Working with GPS at Lakhpathar RF under Digboi Division (J. Goswami, Dy. Ranger)	E v e n i n g T e a	D i n n e r
16-09-2022		Forest Conservation Act' 1980 / Minor mineral Concession Rule -2013 (M.K. Goswami, DFO, Govt. T.T.&S. Plant, Divn.)		Brief knowledge on Digital Calliper and Weather meter (B.V. Sandeep, IFS, DFO, Dibrugarh Division)		Field Practical : Working with Digital caliper , Weathermeter and GPS at Dihing Patkai NP (B.V. Sandeep, IFS, DFO, Dibrugarh Division)		
17-09-2022		Classroom activity : Computer application and downloading of data from GPS to PC (Kastauri Sule, IFS, ACF, Digboi Division)		Classroom activity : Downloading of Data from GPS to PC . Brief knowledge of Densitometer (Kastauri Sule, IFS, ACF, Digboi Division)		Field Practical : Working with GPS and Densitometer at Jokai RF under Dibrugarh Division (Kastauri Sule, IFS, ACF, Digboi Division)		
18-09-2022		Role Play on implementation of Forest law (M.C. Phukon, F.R.(Retd.)		Role Play on implementation of Forest law alongwith Case Study (M.C. Phukon, F.R.(Retd.)		Case Study (M.C. Phukon, F.R.(Retd.)		
19-09-2022		Wild Life Protection Act ' 1972 (P.Sharma, F.R.Retd.)		Wild Life Protection Act ' 1972 (P.Sharma, F.R.Retd.)		Field visit for seizure procedure of stumps, log & various hammer impression . (P.Sharma, F.R.Retd.)		
20-09-2022		Classroom activity : Computer application and downloading of data from GPS to PC (M.P. Bania, Fr-I)		Importance of Drone technology in terms of aerial surveillance of Forest area & demonstration (T.C. Ranjith Ram, DFO, Digboi Division)		Field Practical : Operation of Drone over the riverine ecological succession area near Dr. Bhupen Hazarika Setu. (T.C. Ranjith Ram, DFO, Digboi Division)		
21-09-2022		Brief on routine maintenance of the modern tools to increase its life span (Kastauri Sule, IFS, ACF, Digboi Division)		Group Discussion & feedback (S. Alam, AFS, Suptd.)		Valedictory function (Hon'ble Guest) S. Ghosh, IFS, C.C.F, R.E. & W.P., Assam		

(Saidul Alam, AFS)
Superintendent,

Annexure- II: List of Participants

Sl. No.	Name of Participant	Designation	
1	Pranab Kalita	Game Watcher	Nagaon Division (T)
2	Khageswar Gour	Forest Guard	Nagaon Social Forestry Division
3	Pradip Mahanta	Forest Guard	Silviculture Division
4	Birinehi Dutta	Forest Guard	Majuli Division
5	Md. Mozammis Hoque	Forest Guard	Kamrup West Division
6	Sanjib Neog	Forest Guard	Jorhat Division
7	Chandra Mohan Saha	Forest Guard	Kamrup West Division
8	Bikash Pegu	Forest Guard	Golaghat Division
9	Nipul Ch. Pegu	Forest Guard	Golaghat Division
10	Siddque Ahmed	Forest Guard	Nagaon South Division
11	Burasing Singnar	Forest Guard	Karbi Anglong Division
12	Md. Matibor Rahman	Forest Guard	Nagaon Division (T) Division
13	Rajib Das	Forest Guard	Hailakandi Division
14	Haresh Borah	Forest Guard	Dibrugarh Division
15	Chinmoy Roy	Forest Guard	Karimgang Division
16	Someshwar Bora	Forest Guard	Shivsagar Division
17	Pramod Lahkar	Forest Guard	Kamrup East Division
18	Dilip Saikia	Forest Guard	Digboi Division

Annexure- III: Feedback Format

FEEDBACK FORM

Specialized Training on “Application of Modern Tools & Technique in Forestry” for
Forest Guards & Game Watcher

At Assam Forest Guards’ School, Makum

With effect from 15-09-2022 to 21-09-2022

(Rate the following activities/subjects with A= Excellent, B= Good, C= Average)

1. General impression/Idea about the content of the Course before training :

A	B	C

2. Does this training fulfil your expectations:

A	B	C

3. Does this training help in acquiring knowledge on relevant subjects:

A	B	C

4. Does this training help in skill up-gradation :

A	B	C

5. Whether the training design is sound and relevant :

A	B	C

6. Whether a conducive learning environment was provided by the trainers :

A	B	C

7. Quality of training materials including visuals (PPT), whiteboard, OHP, handouts, etc. :

A	B	C

8. Assistance/ help/guidance/treatment from the School Staff, Faculties, and Officials of the Institute:

A	B	C

9. Accommodation/Boarding facilities at the Hostel :

A	B	C

10. Quality of food including breakfast, lunch, dinner, etc. :

A	B	C

Subject-wise rating :

(i) Motivation Class

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(ii) Introductory class on modern tools & importance in forestry. Basic knowledge on the application of GPS :

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(iii) Forest Conservation Act'1980/Minor mineral Concession Rule-2003 :

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(iv) Brief knowledge of Digital calliper and Weather meter

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(v) Computer application and downloading of data from GPS to PC :

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(vi) Wild Life Protection Act'1972

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(vii) Role Play on implementation of Forest law :

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(viii) Importance of Drone technology in terms of aeriels surveillance of Forest areas & demonstration :

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(ix) Brief on routine maintenance of modern tools to increase their life span :

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

(x) Field Visit :

Topic Structure			Interest Generated			Delivering lecture			Reading materials			Overall Understanding		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C

Any other comment

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Name:..... Division.....

Annexure- IV: Certificate format

Forest Department,
Govt. of Assam

ASSAM FOREST GUARDS' SCHOOL

অসম চৰকাৰ
GOVERNMENT OF ASSAM

ASSAM PROJECT ON
FOREST & BIODIVERSITY
CONSERVATION

AFD
AGENCE FRANÇAISE
DE DÉVELOPPEMENT

**GOVT. OF ASSAM
ASSAM FOREST GUARDS' SCHOOL, MAKUM
CERTIFICATE**

This is to certify that Sri.....
S/o.....
Under has attended
one week Specialized Training Course of Frontline Staffs (Forest Guards/Game
Watchers) from 15-09-2022 to 21-09-2022.

(Dr. Sonali Ghosh, IFS)
Chief Conservator of Forest
Research, Education and Working Plan
Assam, Guwahati

(Saidul Alam, AFS)
Superintendent
Assam Forest Guards' School, Makum



WELCOME
TO
JINGPATKAI NATIONAL PARK
পাটকাই ৰাষ্ট্ৰীয় উদ্যান
SIBBOI FOREST DIVISION,
SORAIPUNG RANGE
DISTANCE-6 K.M. →

For more Information
Assam Forest Guard School,
Makum, Tinsukia, Assam