

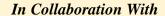
Village Connect: Developing Smart Villages and Neighbourhoods based on Rural Technologies in Nagaland

November 24-26, 2020



Organised By

State College of Teacher Education Kohima, Nagaland





RAJIV GANDHI NATIONAL INSTITUTE OF YOUTH DEVELOPMENT Institution of National Importance by the Act of Parliament No.35/12

Ministry of Youth Affairs and Sports,

Government of India, Sriperumbudur – 602 105.





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A Brief Report on the Three Day Workshop Sponsored by RGNIYD

Preface and Acknowledgements

The present era is a technology driven scientific world. Irrespective of the place where a person is located, everybody needs some understanding of the various technologies which can make his/her life more easy, comfortable and self-reliant. Rural areas are quiet places where people dwell close to Mother Nature. These areas lack modern technologies and people tend to lead a difficult life not realizing and not aware of the vast potential these areas have. Nagaland is a small state in Indian union comprising of 80 per cent of rural population living in 1,317 villages. The people practice the traditional methods of agriculture and farming and most of the people are ill-informed about many opportunities brought in by the modern advancement which otherwise they could have enjoyed to make their lives easier, abundant and fulfilling.

The teacher trainees and faculty of the State College of Teacher Education Kohima most of who come from these rural villages have been fortunate to have attended the Rajiv Gandhi National Institute of Youth Development (RGNIYD) Sriperumbudur, TamilNadu sponsored workshop on the theme "Village Connect- Developing Smart Villages and Neighborhoods based on Rural Technologies in Nagaland" from 24th -26th November, 2020. It was such a relevant and timely workshop as people in the state have started to realize the importance of different aspects of human life such as good health and hygiene, disease, better food production and its storage and a more comfortable life.

The college expresses its profound gratitude the director of RGNIYD Prof. Sibnath Deb who has been so considerate in selecting the college and sponsoring the workshop. It also deeply appreciates the initiatives taken by Prof. Vasanthi Rajendran and her team, Centre for Training, Orientation and Capacity Building RGNIYD in the organization and conduct of the workshop. With immense happiness we would treasure your act of sincere guidance, support and encouragements received throughout the planning and conduct of the workshop.

The college hopes that even in the near future, the institute would extend its helping hand in providing opportunities by way of sponsoring programs and providing training in various skills to the prospective teachers to get themselves equipped with knowledge and skills so as to enable them to contribute in turn towards educating the people in the state and to uplift their living conditions.

(**Dr. Elizabeth Walling**, Principal, SCTE-Kohima) Coordinator of RGNIYD workshop, SCTE



Background of the Program

The program on *Village Connect- Developing Smart Villages and Neighborhoods based on Rural Technologies in Nagaland* was ideal and befitting for the group at State College of Teacher Education Kohima under Higher Education Nagaland, which caters to the educational needs of both pre and in service teachers. It offers M. Ed as well as B. Ed courses and is affiliated to Nagaland University. The teacher trainees are graduates and post graduates who come from almost all the twelve (12) districts of the state and who would serve in villages or small blocks once the professional course is completed.

The theme was new which arouse curiosity among the teacher trainees, as they had heard of Smart City Projects but not so much aware Smart Villages and Neighborhoods as yet.

Along with the academic course, teachers are exposed to various capacity enhancing activities and small projects which are usually done in the community. Keeping this in mind, the college felt the theme of the workshop "Village connect- Developing Smart Villages and Neighborhoods based on Rural Technologies" is one of the most relevant theme.

Considering the theme selected and the nature of the program, the college prepared for a face to face mode. However, since only a few responded for offline mode, the college decided to also go onlineand invited all the teacher trainees.

Preamble

Village Development is one of the key issues in the progress of a Nation. Nagaland is a state in which majority of the population live in the rural areas. As such for advancement of the society, it is important that due emphasis be given to the development of the villages. This, in turn, will ensure the development of the state. There are still many villages which need to be connected to towns and hence other developments are far from reality. The student teachers serving in these villages are seen not only teachers but also as leaders in all fronts. Hence, through this workshop the student teachers will come to realize and identify the potentials available in the respective villages and initiate actions to develop the village where they are posted. They will be able to work hand in hand with the village people to explore the possibilities to make their villages a smart one. Some of the aspects of the recently conducted workshop could therefore, be incorporated in such projects keeping in view the objectives of developing a smart village.



The objectives of the program were as follows:

- i) To understand the concept of smart villages and neighborhoods and its benefits.
- ii) To create awareness of the rural resources and technologies, that can be put into use, for uplifting the overall living conditions of the people in the villages or the neighborhoods.
- iii) To enable the participants to take part in the creation of a smart village/neighborhood.
- iv) To create awareness among the rural community to maintain their Smart Villages.

Expected Learning Outcomes

The expected learning outcomes of the program were:

- i) Each participant will form a mind picture of his/her village and the neighborhood they are from, and identify the areas where improvement is required and develop a blue-print of how and which appropriate rural technologies can be applied for the development of his/ her village or neighborhood to a smart one.
- ii) Each participant will create a strategy appropriate to his/her village norms as, every village is governed by a council and each has its own way of functioning as per their specific cultural and traditional norms.
- iii) The activities initiated during the workshop will be incorporated in their practicum/ project work, to enable them to experience a kind of internship in the theme.
- iv) Steps will be taken in the form of course project to reach the villages through the participants for awareness and implementation.

Target Group for the Program

The target group for the program was the teacher trainees both pre-service and in-service of the college. The participants were graduates and post graduates all belonging to the Schedule Tribe (ST) category. In all 88 student teachers participated in the workshop who have or will have direct link with the community and will be able to connect effectively with the local bodies to take up various initiatives needed for the development of smart villages.



Inaugural Function of the Program

On 24th November, the first day of the program, the inaugural function was held at 10:00 am. It was chaired by Dr. Elizabeth Walling, the coordinator of the Workshop who also pronounced the welcome note. The Chief Guest of the program was Prof Sibnath Deb Director RGNIYD, Sriperumbudur, TamilNadu who spoke on the life of the rural people as free, happy and simple people and lauded the college for selecting a relevant theme looking at the type and nature of the population of Nagaland. He encouraged the college on organizing more of such programs and further motivated the participants in attending such workshops even in future.

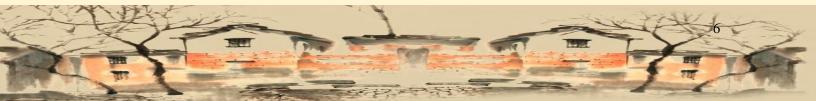
The keynote address was given by Shri Kekhriesetuo Resource Person and the Principal of State College of Teacher Education Kohima Shri. Hekishe Sema pronounced the vote of thanks.

Resource Persons and their background

- 1. **Er. Yanpvuo Kikon** B.E. Electronics IT & Software Industry Specializing in eGovernance &Smart Solutions; Senior Technology Officer in Kohima Smart City Development Ltd.
- 2. **Shri. Kekhriesetuo Ziephrii** MSc, Training Course in Man Management & HumanResource), General Manager (HR), Kohima Smart City Development Ltd.
- 3. **Er. Mhanlam Konyak** B. Tech (Electrical), Intern, Kohima Smart City Development Ltd.
- 4. Shri. L. Khozolie Kiewhuo President, Northern Angami GBs Union.

Topics Covered by the Resource Persons (and the Coordinator of the Program):

- i) Objectives and Priority areas of National Youth Policy 2014 and Sustainable Goals
- ii) Concept of Smart Villages and Neighborhood
- iii) Rural Technologies and its Applications in the VillagesLecture with Q-A session





- iv) Advantages of Developing a Smart VillageDiscussion Interposed with Q-A
- v) Village Life & Aspirations of Village DwellersDiscussion, Q-A Session
- vi) Identification of Resources and StrategiesPractical Session
- vii) Preparation of Road Map & Action Plan towards Development of a Smart village(Followed by Practical Session)
- viii) Evaluation of Action Plans and Discussion (Interactive Session)Review and summarizing Action Plan

Some of the Action Plans Prepared by

ParticipantsACTIVITY 1

To identify a known village to you and try incorporating the details as under:

Name of the village- Wokha Village

- i. Area of Wokha village: NA
- ii. Population: (data as per 2011 census)
 - -total household- 931
 - -population- 4,724
 - -male 2,359 -female- 2,365
 - literacy rate- 89.18%
 - -male-93.51% female- 84.88%



ACTIVITY 2

To Construct a sector wise overview of the village incorporating the following components:

1. Agriculture

- Type shifting cultivation/slash and burn
- Availability of water- dependent on the rainfall and natural reservoir like river, lakesetc. As of now, there is no artificial irrigational infrastructures are utilized.
- Type of traditional cropping practices- mixed cropping
- Land use-

2. Water resources

- A reservoir in each sector for accumulation of water channelled down from Mount Tiyiand from the newly constructed dam(engoro tchü dam)
- Well maintained ponds and springs
- Efficient practice of rainwater harvesting

3. Livestock

- Commonly domesticated livestock includes pig, hen etc.
- Fodder available in abundance
- No dairies infrastructure or proper vet clinic
- There is a veterinary that provides vaccinated livestock and a compounder that goesround the village to tend sick livestock.

4. Health

- 1 dispensary with nurse
- 1 CMC(Christian medical centre), 1 ambulance

5. Education

- Number of government schools- 1GMS(18 teaching staff) and 1 GHS(25 teaching staffand 4 non-teachings staff)
- Number of private school- 1(16 teaching staff)
- Computers available but the computer aided learning is yet to be implemented



- 6. Transportation/connectivity
 - Adequate transport facility with easy access
 - Being very close to town vehicles tend to ply very frequently
 - Poor condition of road with narrow lane in certain locations
- 7. Hygiene and waste management
 - Improved hygiene with attached toilets in every household.
 - No proper waste management system
- 8. Tourism
 - No promoted tourism hotspot in the area or tourism infrastructure as of now
- 9. Environment
 - Good quality of air and water
- 10. Energy
 - Every household has employed LPG and the LPG gas cylinders are delivered at home.
 - Reliable electricity supply.

ACTIVITY 3

Underlining the action plan with expected output

1. Waste management:

Action: spread of awareness for proper waste management Development of waste

management mechanism Segregation of

biodegradable and non-biodegradable waste

Expected output: Cleaner environment. Use of biodegradable wastes for other economic purposelike production of manures.



Smart village development: the participants will have to propose a consolidated smart programme foryour village incorporating all the above data.

Proposed smart programme for Wokha village incorporating the above date:

- 1. Start implementing the use of ICT in schools for teaching and learning process.
- 2. Setting up of proper waste management mechanism in a particular convenient area.
- 3. Maintenance of the already existing development like veterinary, channelled water pipes,. etc

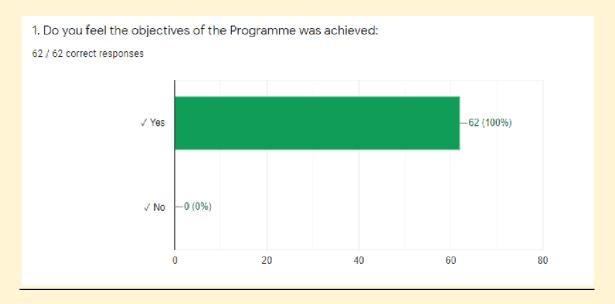


Students feedback is collected both online and offline mode, based on the indicators provided by RGNIYD. In addition to that, open ended question were included to get more better picture of the conducted programme to bring improvement in the conduct of such programme in future.

Following are the feedback received on RGNIYD cited indicators:

Students both offline and online were quite interested in the program, as stated above the theme concept being new they hesitated at first on what to ask, and they (online group)started messaging to the coordinator typing their question and asking is it relevant if I ask this? And that's how it all started. Even after the workshop, they expressed that they were at first a little confused when activity was given. Another feedback was the break timing in the schedule. Since it was planned for offline, the timing for tea break etc became awkward and during the program the timing had to be adjusted.

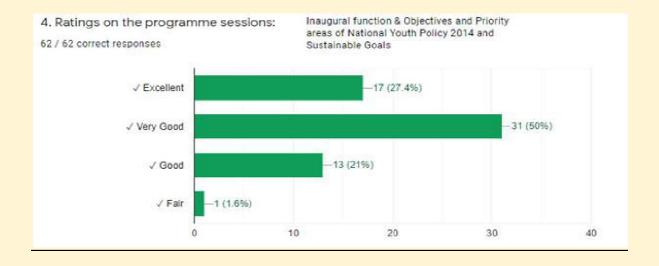
On objectives of the Programme:

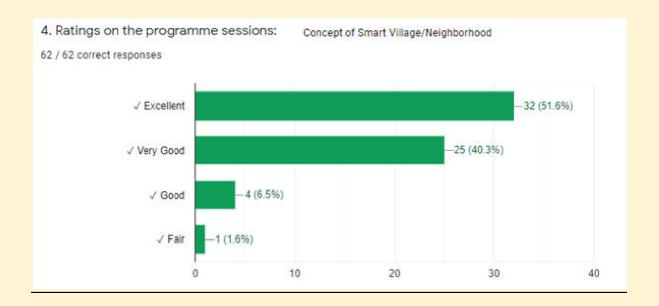


All the participant (100%) has expressed about achieving the objectives of the programme.

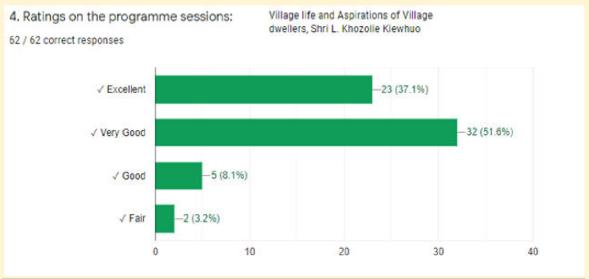
Ratings on the Programme sessions:

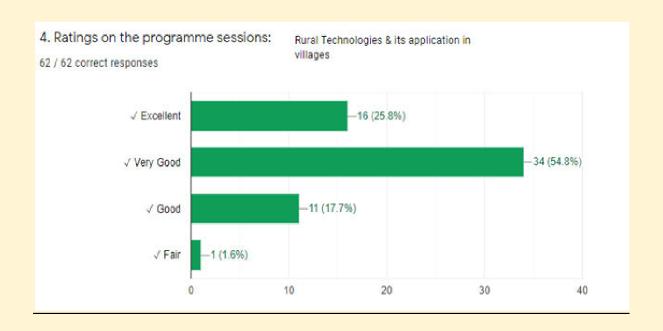
More than 98% of the participant has expressed "Good" about all the sessions conducted in the held programme.



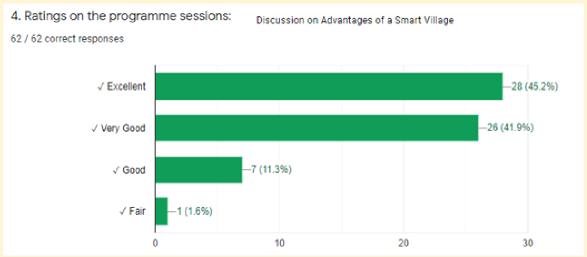


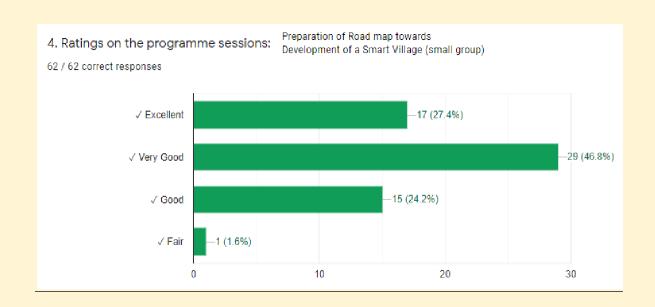




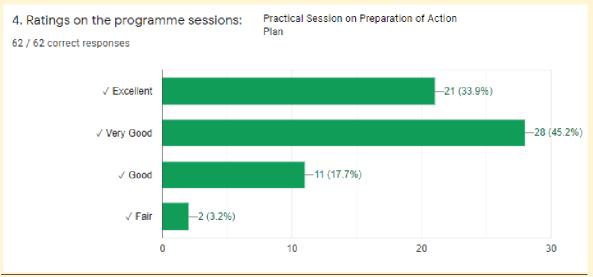


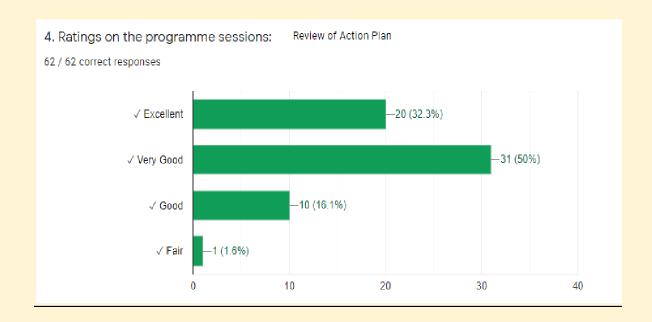




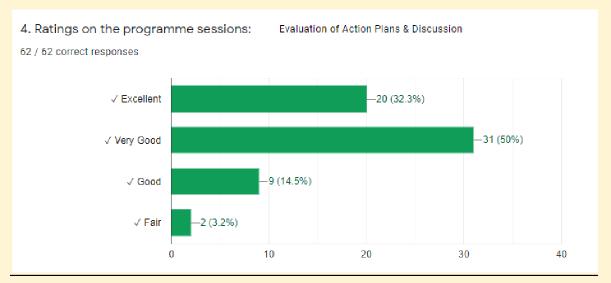


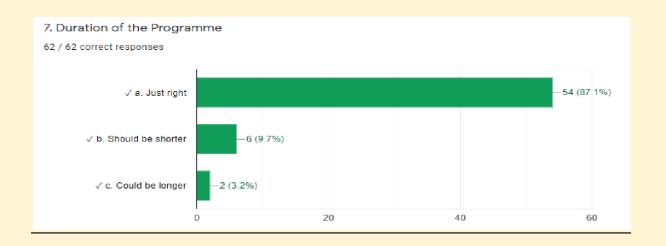




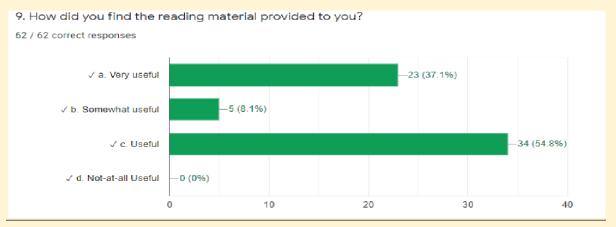


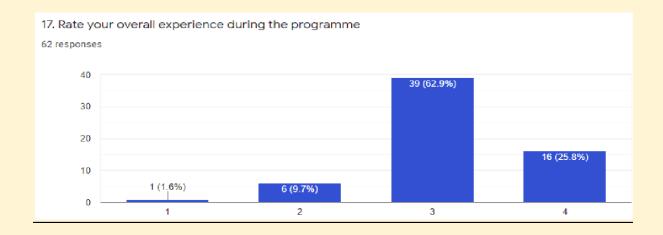












Additional feedbacks

i) Internet Connection Problems:

The internet connection for most of the participants attending through online mode was satisfactory except that there were fluctuations and voice cracking at times. Besides the internet fluctuations, due to power problem (non-availability of electricity) especially in the interior areas, attending the workshop for many hours, the phone battery got low and towards the afternoon some had to leave the program. This, they reported through messages as we were monitoring their attendance in each session. The Wi-fi connection in the venue was disrupted for half a day on the 2nd day of the workshop and connection had to be done through the organizers' mobile connection.

ii) Effectiveness of the Online Program:

For the last many years workshops were held offline and it was easy to organize. The theme and the nature of the workshop being activity-based, the participants were invited for an offline workshop following the Standard Operating Procedures (SOPs) for Covid-19. However, only a few (24) students responded. This made the organizing committee decide to also invite students online. At present, the college has an enrolment of 120 students out of which about 88 students attended the workshop. The program was effective in many aspects although many *activities report* took so much time to get uploaded from the participants attending online. Some participants were also not very conversant with the use of the app as well. It is believed that effectiveness would enhance based on the experiences of the workshop.

iii) Clarifications and Queries by the Participants during the Program:

Clarifications were mostly made based on their village location, harnessing of available natural resources and on how to seek help if one wishes to develop his/her own village. There were questions with regard to village functioning, the various government policies that were being implemented in therural areas etc.

iv) Perception about the Resource Persons:

The Resource persons were quite excited on the theme and the sessions. They wished that it was face to face mode for all the participants. They commented that the topics and the activity stated in the program were a little large, for example, the road map and the action plan, as it was to be done after the concept has been understood thoroughly by the participants. The resource persons were very well versed in various aspects of development and rural technologies. A few very relevant schemes which can be implemented in the villages were also discussed. The concept of the scheme, its objectives and functions well as the details of the schemes were very clearly presented.

v) Views about the Mode of the Program:

The College would say that workshop conducted online have a little weaker impact on the participants. If things improve and such programs are taken up, we would look for face to face mode of the program. The college being a teacher education institution has various workshops conducted every semester and when we compare, it was much more difficult to organize as we are dependent on technology and electricity. The participants

encountered a lot of problems while attending it online. Some of them had to relocate themselves into a good network area which was not very comfortable to be in throughout the day. For others, they informed the coordinator through text messages that there was no electricity and that their phone battery is down and that they were leaving the program. Such were the difficulties. Nevertheless, they had a very good exposure to the concept and the program committee decided that when we meet in college hopefully in the coming semesters, we would review their understanding of the aspects of the workshop.

vi) Views about Duration of the Program:

If a small field trip to a village along with the resource persons is incorporated in the program, it would have been more realistic. 3 days duration is quite appropriate.

vii) Views about Attending Similar Program in Future:

Based on the expressions made by students, they would be enthusiastic to attend similar programs in future.

viii) Views about Sharing of Information about the Program with Others:

The conduct of the workshop was given as a news item for 2 consecutive days 28th and 29th November in a widely read local daily the "Nagaland Post" and, at the personal level too people commented on it. The college and the organizers in particular, were very happy.

It will be appreciated if RGNIYD could once in a while advertise the various courses in our newspaper for people, to be aware of its various programs.



Conclusion and Recommendations

It was such a good learning experience for the organizers. We hope that if situation continues and we need to organize again, it would be organized in a much better way. The things which needed improvement in organizing were also noted down for future similar programs.

Please do let us know if new programs come up. And, guide us where we could improve.

STATE COLLEGE OF TEACHER EDUCATION KOHIMA, NAGALAND

Program Schedule for 3 Day RGNIYD Workshop, $24^{th} - 26^{th}$ Nov, 2020

		11:30		1:00-		2:45	3:00-4:00pm
Duo o no no no o	10:00-11:30 am	-	11:45-1:00pm	1:45	1:45- 2:45 pm	-	
Programme		11:45		pm		3:00	
		am				pm	
Sessions	1st Session		2 nd Session	L	3 ^{rh} Session		4 th Session
		Т		U		Т	
		E		N		E	
Day - 1	Inaugural function	Α	Concept of	C	Rural	Α	
	& Objectives and		Smart	Н	Technologies &		Discussion on
	Priority areas of	В	Village/Neighb		its application	В	Advantages of
	National Youth	R	orhood	В	in villages	R	a Smart
	Policy 2014 and	E		R		E	Village
	Sustainable Goals	Α		E		Α	
		K		Α	Practical	K	
	Village life and		Practical	K	Session		Preparation of
Day - 2	Aspirations of		Session on				Road map
	Village dwellers		Preparation of		Contd		towards
	Shri. L. Khozolie		Action Plan				Development
	Kiewhuo						of a Smart
							Village (small
							group)
	Presentation of		Evaluation of				
Day - 3	Road Map by		Action Plans		Review of		
2, 5	small groups		&		Action Plan		Valedictory
			Discussion				

Coordinator RYNIYD Workshop

(Dr. Elizabeth Walling) Coordinator of RGNIYD workshop, SCTE K