



UNNAT BHARAT ABHIYAN

SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT



WORK PROGRESS REPORT OF THE MONTH, SEPTEMBER, 2019

UBA Regional Coordinator

Dr. K. D. Yadav

Email: kdy@ced.svnit.ac.in

☎: +91 94283 98266

UBA Regional Co-coordinator

Dr. Manish K. Rathod

Email: mkr@med.svnit.ac.in

☎: +91 99040 03856

UBA Coordinator

Dr. Krupesh A. Chauhan

Email: kac@ced.svnit.ac.in

☎: +91 97277 12357

UBA Co-coordinator

Dr. Shweta N. Shah

Email: snshah@eced.svnit.ac.in

☎: +91 99254 58497

REPORT PERIOD: 01/09/2019 to 30/09/2019

Sr. No.	ADOPTED VILLAGES	TALUKA	DISTRICT
1	MORA	CHORYASI	SURAT
2	RAJAGARI		
3	SUVALI		
4	JUNAGAM		
5	BHATLAI		

List of Activities:

ACTIVITY 1 : “Agriculture and Entrepreneurship” workshop at SVNIT, Surat

Date: 03/09/2019

Objective of activity: Student interaction with “Krushi Vigyan Kendra” (KVK) Surat about agriculture and entrepreneurship

Description: Dr. Janaksinh K. Rathod, Dr. Rakeshbhai, Dr. Shehulbhai and Dr. Bhaktiben from Krushi Vigyan Kendra, Surat has invited to take a workshop on “ Agriculture & Entrepreneurship” for students of SVNIT, Surat. The aim of workshop is to provide knowledge about agriculture and entrepreneurship in agriculture.

- 1) **Dr. Janaksinh K. Rathod** has spoke about successful farmers stories and their good earnings per annum. They had also said that Krushi Vigyan Kendra is available in every districts of the India and all we can take solutions of various problems arising in farming. They had also explain the benefits of doing Cow based natural organic farming and how to earn more from certification and doing export.
- 2) **Dr. Bhakti Madam** has given knowledge about Horticulture and said how to become successful farmer from crops like Fruits, Vegetables, Spices, Medicinal plants and Flowers.

- They had also suggest to do season wise farming so that crop yield can be maximum.
- 3) **Dr. Shehul Sir** has suggest to farmers of adopted villages to do farming of such crop which can grow in coastal alluvial soil and saline bore well water.
 - 4) **Dr. Rakesh Sir** has explain various insecticides and pesticides and said for adopting Cow based organic farming instead of Urea and DAP chemical fertilizers.



ACTIVITY 2 : Visit of agriculture farms of Suvali village

Date: 13/09/2019

Objective of activity: To survey of agriculture farm and finding the problems and need of treatment from experts like Krushi Vigyan Kendra (KVK)

Description: As we have visited the farm of Mr. Dhansukh bhai farmer of Suvali village, we had found that there were a common problems facing by all farmers of Suvali and Junagam village. The problems of highly pest and insects in plants which cannot let to grow of palnt and so there were very less crop yield produced. So we had decided to make a workshop for all farmers from Suvali village at Mr. Dhansukh bhai's farm so that all farmers can get knowledge about solutions.



ACTIVITY 3 : Participating Institute Meeting at SVMIT, Bharuch

Date: 15/09/2019

Objective of activity: To review the work progress status from all Participating Institutes and solving various issues / problems arised from PIs of Regional Coordinating Institute SVNIT, Surat

Description: Regional Coordinating Institute SVNIT, Surat has organized the Participating Institutes Meeting on 15th September, at Shri S'ad Vidhy Mandal Institute of Technology (SVMIT), Bharuch. Total 10 PIs have participated in meeting.

The minutes of the meeting are as follows:

1. Dr. K. D. Yadav (UBA Regional Coordinator) had heartily welcomed to all Participating Institutes Coordinators and Representatives.
2. RCI - UBA Coordinator inform that all PIs should submit the monthly progress report within 15 days of next month so that RCI SVNIT can timely submit the Quarterly, Half Yearly and Annual work progress report to National Coordinating Institute, IIT Delhi
3. RCI – UBA Coordinator have explained various 8 themes for Rural Development by Unnat Bharat Abhiyan, and suggest to do working in at least one or two theme properly. The themes are as follows
 1. Agriculture & Organic Farming
 2. Water Management & Cleanliness
 3. Rural Education
 4. Sustainable Energy
 5. Health & Environment
 6. Livelihood & Entrepreneurship
 7. Government Schemes Implementation
 8. Basic Amenities
4. Query raised by the PIs that adoption of 5 villages is compulsory or not and what activities we can spent the money Rs. 10,000 received per village from IIT Delhi.
5. Dr. Manish K. Rathod (UBA Regional CO-coordinator) has explained the benefits of various Government schemes and explained to all PIs that first learn about all Government Schemes and then do awareness camps / workshop at village community level.
6. Coordinator of GIDC Degree Engineering College, Navsari has told about issues related to no proper implementation of Pension Yojana and no awareness in villagers about the government schemes and for that they had requested to Dr. K. D. Yadav. And Dr. K. D. Yadav has replied that for solving such kind of issues there must be a reporting by all the Collectors and D.D.Os so that Unnat Bharat Abhiyan can run effectively.
7. SVNIT, Surat is planning to organize 5 day Faculty Development Program at SVNIT Surat with Mahatma Gandhi National Council of Rural Education (MGNCRE)

Hyderabad, tentatively on 14th -18th October, 2019 and invite all PIs in this 5 days FDP and said that all the expenditure will be provided by MGNCRE.

8. Dr. Manish K. Rathod and Dr. Shweta N. Shah has given information about RCI SVNIT is planning to organize a 2 day workshop at SVNIT, Surat with RuTAG Centres IIT Delhi, IIT Bombay, IIT Madras.
9. RCI SVNIT, Surat will give prize worth Rs.50,000 to one Participating Institutes among all PIs who give best annual performance; subject to approval from NCI – IIT Delhi.
10. Coordinator of GIDC Degree Engineering College, Navsari has told about issue that they want a defined guideline for spending of Rs. 10,000 per village survey fund.
11. Dr. Gajanan G Kalyankar coordinator from UKA Tarsariya University has told that we should keep one common certificate and it will be distributed category A, B, C wise to all participating students in Unnat Bharat Abhiyan. And RCI SVNIT will send the certificate design to all PIs soon.
12. RCI SVNIT, Surat will do next participating institute meeting same by in different district wise as listed below:

PIs Meeting Venue	Districts Covered
Charotar University Of Science & Technology, ANAND	ANAND
	ARAVALI
	KHEDA (Nadiad))
	PANCH MAHAL (Godhra)
	DAHOD
	MAHISAGAR
	CHHOTA UDEPUR
GIDC Degree Engineering College, NAVSARI	VADODARA
	BHARUCH
	SURAT
	TAPI (Vyara)
	NARMADA (Rajpipla)
	NAVSARI
	VALSAD
	DANGS (Ahawa)
DAMAN	
DIU	

13. Meeting ended with thanks to all PIs.



ACTIVITY 4 : “Khedut Kalyan Karyashala” means “Farmer Welfare Workshop” at Suvali Village

Date: 18/09/2019

Objective of activity: To give the solutions on pesticides and insecticides, season wise cropping style and other issues related to crop yield.

Description: The team from Krushi Vigyan Kendra and Sarpanch Shri Nayanaben Rathod has introduced themselves at starting of meeting. After introduction taken from all farmers, we have visited the farm of Mr. Dhansukhbhai. We have visited farm of Bringle, Dudhi, Bhinda, Karela, Choli, Guvarsingh, Tindora, Mula and Mango trees. During visit we have found various type of diseases and pests and insects available in plant and which are responsible for low crop yield.

Dr. Rakesh sir and Dr. Shehul sir has given solution of available green pesticides and insecticides and given the guidance to doing Cow based organic farming and benefits of organic farming instead of chemical farming. Dr. Bhakti ben has explain to do seasonal

farming and suggest to do not take unseasonal crop. Team from KVK has also suggested to all farmers for Soil Testing and water testing because of salinity problems.



ACTIVITY 5: Testing of agriculture water supply from 10 different farms from Junagam Village

Date: 19/09/2019

Objective of activity: Checking the quality of agriculture water supply

Description: As our all adopted 5 villages are near Arabian Sea, the available ground water from all agricultural farm is saline and salty. There for we are going to test the agriculture supply water from 10 different farms and taking samples into Environment lab, SVNIT, Surat. All the test practices has done under guidelines given from Dr. K. D. Yadav sir and tests were performed by M.Tech student Mr. Krishna Kumar Avshula. Based on these we will design the filter for agricultural water supply.

LABORATORY TEST RESULTS							
FARM SAMPLES Sr. No.	pH	Turbidity (NTU)	Conductivity ($\mu\text{S/cm}$)	TDS (mg/L)	COD (mg/L)	DO (mg/L)	Alkalinity (mg/L)
1	8.78	2.7	2810	1414	32	4.6	560
2	8.73	0.7	2217	1128	160	5.8	550
3	8.65	0.2	2639	1349	192	5.6	570
4	8.84	2.0	2284	1152	192	4.8	540
5	8.59	2.5	2582	1299	160	4.8	750
6	8.35	0.3	3999	2000	160	5.4	970
7	8.79	0.3	2664	1343	128	5.2	630
8	8.47	0	3999	2000	160	5.2	590
9	8.32	0.4	2539	1281	128	5.6	710
10	8.48	0.1	3547	1747	224	4.4	530



ACTIVITY 6: Visit the meeting of Organic Produce Certification at Surtapi Organic Store, APMC Market, Krushi Bazar, Surat

Date: 21/09/2019

Objective of activity: To get knowledge about Organic Crop certification and Export business of Organic Agricultural Crops and Products

Description: We have attended the general meeting on organic certification & export organized by one of the Organic Store in Surat city “Surtapi” at APMC Market, Surat. Mr. Raman bhai (Ex-Chairman) of Gujarat Organic Products Certification Agency.

Mr. Raman bhai has given the introduction and explain the process of getting of Organic Certification of farmers farm. They had explained that the certificate is not about on one crop or one vegetable or one fruit, the certificate is regarding the system and methodology of doing Cow based farming. They had also explained the fees and how to register (1month) and C1 type (13th month inspection from certificating agency team) and C2 stage (25th month inspection from certificating agency team) of certification. And they have explain the benefits of certification in export business.

Mr. Raman bhai has agree to do workshop at village community level and we will organize the workshop on “Organic Certification and Benefits” for all farmers of all 5 adopted villages.



ACTIVITY 7: Visit the Jilla Panchayat School of all 5 adopted villages for upcoming event “Plastic Free Village”

Date: 24/09/2019

Objective of activity: To circulate the letter of “Plastic Free Village” campaign. And Computer lab facility survey in all 5 Government schools of 5 villages.

Description: We have circulate the letter of “Plastic Free Village” to all Panchayat as well as in all 5 Jilla Panchayat Schools of 5 adopted villages. Students will come with all single use plastic bags from their respective homes and RCI SVNIT, Surat will distribute Cloth bags to students with taking pledge “We will never use plastic bags, we will use cloth bag only, and we will include our family members and friends in this campaign”. The said program we will organize on 4th October, 2019.

During School visit, we have found that none of the school having computer lab facility. Though all 5 school having 10 number of PC but none of it in working condition. And no computer practical is done during current academic year of standard 5th to 8th. For this we are going to writing a letter to Taluka panchayat and Jilla panchayat, so that necessary repairing or replacement of improper computer can done and computer lab will run smoothly.



List of probable activities (Action plan) for October, 2019 month.

- 1) “Student Solar Ambassador Workshop” designed by IIT Bombay for at SVNIT, Surat
- 2) “Plastic Free Village” campaign : Cloth bag distribution
- 3) “Farmer Welfare Workshop” for all farmers in all 5 adopted villages
- 4) “Organic Certification & Benefits Workshop” for all farmers in all 5 adopted villages
- 5) “Government Schemes & Benefits Workshop” for all villagers and Panchayat in all 5 adopted Villages.