

Vigyan Ashram Status Report

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IBT Training in Chattisgarh

IBT instructors training were organized in Dantewada from 26th Sept – 1st Oct. Total 65 instructors from 17 schools participated in the program. Since 14 schools are newly joined in IBT program and distance between the schools are less. We have decided to change the strategy of conducting training. Instead of conducting training at one place, we have conducted different activities at different schools. It also helped us to demonstrate the activities to other school teachers. Instead of focusing on practicals, focus of training was on productive task in the surrounding.

Training conducted in following schools : Kasoli, Karli, Gatam, Kuvakonda



Humidity chamber for nursery.

Product made from Mahua → →



District Collector and CEO of Dantewada attended concluding session of the training. Dr.Yogesh Kulkarni joined the valedictory function through video conferencing. IISER, Pune allowed us to use their video conferencing facility and we are planning more session using video conferencing.



Productive Work taught in training and planned in all schools in next 3 months

- 1) Different Types of Tree Guards
- 2) Electrical wiring & Repair
- 3) Solar maintenance
- 4) Different types of nursery, bed preparation, irrigation (Spinach and ridge gourd)
- 5) Food products using different fuels
- 6) LED lights, Pedal generator and Energy entrepreneur

Public talk and meetings

- 1) Yogesh gave talk on '21st century education' at Kamale Guruji vyakhyamala for school teachers organised by Solapur Jilha Samajseva Mandal at Solapur on 7th Oct.
- 2) Yogesh gave invited talk on 'Opportunities in rural areas' in National Seminar on social inclusion organised by Dr.Munje MBA institute at Nasik on 27th Oct.
- 3) Yogesh & Mr.Ashok Kalbag attended syllabus revision meeting organised by Directorate of Vocational Education & Training at ITI , Aundh on 25th Sept. This committee will revise the IBT syllabus as per the National Vocational Qualification Framework (NVEQF).
- 4) Yogesh attended Technology Resource Group (TRG) meeting on 'Learning hubs' for Odisha Girl Incentive Program at New Delhi on 30th Sept.
- 5) Mr.Ashok Kalbag presented paper on Vigyan Ashram's educational philosophy and program at 'Tech for Seva' conference held at Pune on 27th – 29th Sept.

INDUSA PTI

1) Testing of Open Education resources (OER) was done in Shivkar IBT schools. Students constructed geodesic dome structure for their Tiffin shed. Topics like forces, structures, construction etc were conducted using power point lessons. We are trying to involve all school teachers and involving them in explaining curricular topics. This is helping us to bring clarity in subject teachers about linking work with curricular areas. We are providing OER and Powerpoint to IBT schools and encouraging its use.



Dome @ Shivkar school

- 2) We are working on designing interface of www.learningwhiledoing.in. Our efforts to present 'Work centered methodology' using ICT tools are taking time in experimentation.
- 3) We have made conference page of Ahmedabad workshop on www.naitalim.in , it is hosted on INDUSAPTI website.
- 4) OERs given for verification – Dairy , silage, lathe machine, carpentry, water testing
- 5) Uploaded : Drawing PPT, Articles by Dr Kishan Bhatia , Videos : Chikki, Computers

Introduction to basic technology (IBT) – PLAN -100 update -

(Supported by Asha for Education, Unicef, Govt of Chattisgarh, Lend-a-hand-India, Suzlon foundation, Hemendra Kothari Foundation)

- 1) Mr.Nazrul of Azim premji foundation visited Mangaon, Chikhalgaoon and shindavane school from 2nd – 5th Sept. He is planning to present IBT program in Nai Talim conference in November as an example of Work centered Education.
- 2) Dhamari school – Engineering dept made community service work for villagers. They made safety door, grill, poultry cages, agri tools and weeding tools. Total expenses of Engineering dept is Rs.90720/- and Receipts are Rs.1,20,700/-

- 3) Hingangaon IBT dept did following work for school → Light fitting – Rs.5964/-, windows – Rs.8000/- They also made stage for Ganesh Pandal in village for Rs.1200/- and sold शेपू vegetable of Rs.400/-
- 4) Mrs.Anita Dandekar visited Arvali Tak and Malvan school. She wanted to donate tools for IBT program. Kailash accompanied her during visit.
- 5) Ranjeet met Bijapur collector to discuss IBT status and follow up for fund release.
- 6) Yogesh met trustees of Swadesh Foundation on 16th Sept at their Mumbai office to discuss possibility of introducing IBT in schools in konkan. Swadesh officials visited VA last month.
- 7) Challenges → Funding to IBT schools – Funding for many Plan100 schools is stopped and become irregular from last 2 years. Funding from Suzlon foundation has stopped completely. Schools are trying their best to run the program from fees and own resources but failing short of meeting the cost. Previously instructors were paid Rs.1500 (i.e approx Rs.125/- per day). But considering inflation, it needs to revised to min Rs.250/- per day (i.e approx. Rs.3000/- per month). It seems schools are able to meet some of the cost from fees but still need additional support to keep the momentum of the program. We are estimating about 30 schools will need some additional support else it will affect the quality of program.



IBT new workshop @ Khondamali school



10th standard project : IBT school , Shanimandal

HKF supported schools

1) Career guidance program for IBT graduate was conducted on 25th Sept at Devalapar. Ms Bharati from Pratham and Mr.Kiran Inamdar gave guidance to students. There are 73 students passed out from last year. But very few came for the program. Students of IBT in IX and Xth std also attended the program. It was thought that program could have better organized.

2) A meeting with school instructors and teachers was held on the same day at Swami Vivekanand Vidyalaya. None of the head masters were present due to some meeting called by education officer. We are expecting schools to take the ownership of the program and therefore we have decided to modify some of our strategies with schools in consultation with HKF.

3) Dahoda students fabricated 'Jhula'(Swing) , Vivekanand school made a fencing using cement pole around their agri plot.



Fencing - IBT Devalapar school

DST Core support project

i) Food processing unit-

New products tried - Pomegranate jelly, Mahua Chikki (this product was done for CG IBT training), Bakery products.

Amla Processing - 108 Kg amla procured processed to make Amla candy (65 Kg) , Supari (3.1 Kg) and Pickle (9.600 Kg).

One day training session on manufacturing of wheat milk powder was given to Mr.Avinash Jadhav (Pune). He is planning to start commercial manufacturing of wheat milk powder.



ii) Praj Animal Husbandry -

Following are the important work completed under this project in Sept 2013 –

- First Batch of 52 birds sold with profit of Rs.28.98 / bird. New poultry shed with proper raring environment (temp / light/ humidity), feeding / drinking water facility etc has resulted in improved FCR (feed conversion ratio) with more profit / bird. Earlier with old cage system we were struggling to achieve 10 to 12 Rs profit / bird.
- Fodder chopping yard shed is rebuild with new roof structure.
- Work on low cost silage making technique - We are trying to adopt new low cost silage making technique. In this technology big plastic bags (dust bin bags with 300 micron thinness) are used with bacterial culture (developed by KVK Baramati) instead of sillo pits.

iii) SOW project :

- We conducted training need assessment survey of @ 20 polyhouse farmers around Pabal. They expressed need for training in fertigation, pest management etc. We are planning to conduct training in collaboration with KVK Narayangaon in October month. Ranjeet visited KVK on 4th Sept to discussed the plan for mutual collaboration.
- Training and training resources were Srinivas foundation (TVS group CSR). They are working in dry land area of Shirur / Rajgurunager Taluka. They have established azolla bed with 3 farmers in Loni area.
- Azolla cultivation and nursery (drumstick cultivation) training was conducted for SHG members in Rajgurunager area in collaboration with Chaitanya organization.



iv) Development marketplace project :

First batch of 9 VLE was trained in Chindaward. Ashish and Aniruddha visited Dantewada and Bijapur to scout new VLE and to discuss with CEO and Collector.

Pedal generator with new modification is ready and available.

DBRT (Supported by Asha for Education)

1) Ganesh Festival : Students celebrated Ganesh festival with great enthusiasm. Students were practicing over



a month for barchi dance. They also got invitation for performance from other Ganesh immersion procession in Rajgurunagar, chas, Gulani and earned Rs.16,000/-. They purchased new dhol for ashram and T-shirts for all students from the amount. For procession of Vigyan Ashram Ganesh idol, students repaired Mech Bull @ cost of Rs.500/-.

2) EWB Project : Oliva and Sam from Engineers without border (EWB) conducted waster management training in Pabal high school. Along with DBRT students they made mural in Village. Also installed garbage bin with the help of Gram panchayat. Panchayat also agreed to make a composting pit in market.

3) 25th Sept : Safety Day : 25th Sept was observed as safety day on campus. We carried out safety audit of all workplaces and take corrective action. All loose connections, broken pins etc were fixed. Students discussed possible danger in each section and common mistake they make, which can be dangerous.

4) 8 students of Electric section underwent training in manufacturing of dome kit with Mr.Kasim Inamdar.

5) Students fabricated a door for Grampanchayat (Rs.3900/-). They also completed fabrication of dairy shed.

6) Food Lab : Processing Amla – 117kg., making peanut butter – 2kg , Pooran ready mix – 4 kg, Total sale – Rs.2067/-

7) Profitability of Dairy farm : Gauri cow (Rs.1093/-), Soni cow (Rs.350/-) , Sharda cow (Rs.326/-), Sonam cow(Rs. 1275/-). Total Dairy profit in July is Rs 3045/- . This does not include labour charges

8) Poultry Management : Total 63 birds → 11 died, 52 sold. Total receipt Rs.6975/- . Net margin : Rs.1982, profit / bird : Rs.28/-

9) Agriculture : Harvested → bhendi - 3.5kg, bhopala- 5kg, dodka - 1kg & chilli 250gm

Other tit-bit –

- I. Maharashtra tourism development corporation (MTDC) decided organize tour of people interested in development work. We have given them 4th Sunday of every month for visits.
- II. Staff matters : Pawan is transferred to Dantewada, Pradnya to Fab lab @ Pabal.
- III. Weather record – rainfall till end of Sept - 637 mm ,Max temp- 27 °C , Min Temp –14 °C , Humidity – % , Water height in well - ...NA.....
- IV. Energy consumption record- Electricity unit – __ NA Three Phase - KWH, Single Phase – NA KWH diesel generator – 30min.
- V. Biogas consumption – Dung used- 894 Kg, Gas produced-1065 m³ ,
- VI. Two wheeler – 501 Km, petrol consumption – 12 lit (41 km average)
- VII. Total visitors to www.vigyanashram.com – 1160 (New visitors- 322 , repeated visitor- 838) www.dsttara.in : Total Visitors: - 66 (New: - 11 Old: - 55)

Data Report : Sept 2013 – https://docs.google.com/file/d/0B3-4RfsZ2K2OaHFISm1kV3o0a1E/edit?usp=drive_web

Photo Gallery:



Students harvested mugg in farmers field



Dairy shed fabrication



Mural drawn by student



Inauguration of IBT Training @ Dantewada



Collector & CEO Dantewada in video conferencing with Dr.Yogesh Kulkarni

For Regular update : www.facebook.com/vigyan.ashram.pabal