

Vigyan Ashram Status Report

Volume 30 Issue 6

June 2012

In this issue

- DBRT 2011-12 completed their training
- IBT SSC board result is 99.32%
- Donation from Vaishno Mal Malhotra Public Trust to Vigyan Ashram
- VA participated in DISHA career exhibition fair

DBRT 2011-12 (Supported by Asha for Education)

44 students (37 boys and 7 girls) completed their one year residential DBRT course on 25th June. Most of the students of the batch got minimum one job. Minimum salary offered is Rs.4000/- (plus food and accommodation) to Rs.8800/- in industry. 37 students opted for job offer and 07 decided to pursue further education.



Important projects done by this batch are → Renovation of food lab, partition in the new workshop, window Grill of new workshop, aquaponic trials, rice husk stove, biogas plants, solar dryers, azola trials, turkey farming, fishery in farm tank, Construction of toilet with Ferro cement roofing etc. Combined community service earning by students is Rs. 86000/-. Average earning by students is Rs.1950 and Maximum income earned by student Dnyaneshwar Butte through community service is Rs.8200/-.

We are thankful to Asha for Education, Daimond Meghaji and all individual sponsors for supporting DBRT batch 2011-12.

Admission to new batch → DBRT 2012-13

Admissions for DBRT batch 2012-13 are full with 47 students. There are 15 students on waiting list, which will be accommodated in October session. We are hopeful that new student's hostel construction will be complete by October. New batch will start from 10th July.

DBRT activities in June →

- 1) Ashram was busy throughout the month (days & nights) with students completing project work, Assignments and also placement interviews.
- 2) DBRT students and staff went to picnic to Karle leni -Mahad -pali -Unhare -Kashid Beach – Murud Janjira and Mumbai on 7th and 8th June. They hired state transport bus for 2 days.
- 3) It is decided to repair cots and furniture in students hostels. Five students from current batched decided to stay back and took the work on contract basis.



Donation to Vigyan Ashram corpus

Vaishno Mal Malhotra Public Trust in Mumbai donated Rs.Ten lakhs to Vigyan Ashram's corpus fund. It is agreed that interest from the investment will be utilized for capital expenditure for (a) enlarging / improving existing facilities at Vigyan Ashram or (b) for starting new facilities. A MOU is signed between VMM and Vigyan Ashram stating the above conditions.

We @ Vigyan Ashram are thankful to VMM Trust for their kind support and trust in VA's program.

Mr.Mahesh Wahval donated Rs.30000/- for construction of hostel room. We are thankful to them for their kind support.

Introduction to Basic Technology (IBT) – PLAN100 update

(Supported by Suzlon foundation, Hemendra Kothari Foundation, Lend-a-hand-India)

- 1) Following instructors training program were conducted in June 2012. Total 89 instructors took part in these training.

<i>Class</i>	<i>Date</i>	<i>Instructors</i>
<i>2nd year IBT schools</i>	<i>5TH TO 10TH JUNE 2012</i>	<i>20</i>
<i>3rd year IBT schools</i>	<i>13TH TO 18TH JUNE 2012</i>	<i>35</i>
<i>1st year IBT schools (New)</i>	<i>23RD TO 27TH JUNE 2012</i>	<i>34</i>

- 2) Omkar attended meeting at SSC Board for IBT paper 1st - 9th Book - VIII th proof reading on 17 June 2012 .



Instructors training – 1st year IBT schools



Instructors training – 3rd year IBT schools

- 3) SSC board result of 10th std board IBT subject is 99.32%, Out of 2502 students appeared for the examination 2482 students passed the exam.
- 4) A letter and recommendation from donor agency was sent to Director of vocational Education, Mumbai for recognition of new IBT schools.
- 5) A meeting was held with Rayat Shikshan Sanstha officials {Mr.Ram Kandge (Chairman , Pune division) , Shri.Kadu Patil (Secretary, Pune division)on 19th June to explore possibility of starting IBT in their schools.
- 6) A meeting was held on 12th June with Ms Priya Pawar of Suzlon foundation to finalize budget and action plan for IBT and sugyan projects.
- 7) A meeting was held on 29th June with Mr. Kiran Inamdar(HKF) at Pune office to discuss IBT implementation in Pench and Tadoba Tiger reserves. It is decided that Omkar will lead the project and Mr.Vasudeo Gautre will work as a field officer for HKF project.
- 8) A proposal for implementation of IBT in Bijapur & Dantewada is submitted to authorities.
- 9) A concept note of implementing WCE methodology in schools in Chattigarh is submitted to Unicef.
- 10) Omkar attended teleconference on 29th June organised by NIOS for all accredited vocational institutions (AVI) from NIOS Pune office.
- 11) Amkhel school sold 150 plants to Suzlon foundation for plantation on 5th June on the occasion of World environment Day.
- 12) IBT schools 10th std result is 100%

Sugyaan Center:

- i) Nagaj center – To meet the demand of increasing students, center owner purchased new Machines from revenue generated from the center.
- ii) Rajale center owner Mr.Pravin Nandre participated in Data entry workshop organized by Zilla Parishad, Nandurbar from 03.06.2012 to 20.06.2012. Pravin Nandre got contract of Data entry from Gram Panchayat, Rajale.

INDUSA-PTI

- 1) RPL work – Ranjeet attended , 2nd workshop on designing framework for Recognition of Prior Learning (RPL) organized by NIOS New-Delhi and New Zealand poly-technique and common wealth of learning in Missouri (Uttarakhand) from 27th to 29th June 2012. In these three days different components in competency

assessment, assessment theories, assessment methods etc where discussed in details. Further NIOS has decided to form a core group from participants and decide further action for implementation of RPL in India.

2) A two days workshop was organized by NIOS on copyright issues and e-platform at IBM Centre of Excellence, MIT, Pune during 4 and 5th June 2012. 11 participant from VA and IBT schools participated in the workshop. This team will take part in development of OER. Detailed discussion on Copy right protection act and wiki – educator platform for OER was done in these 2 days.

3) Ms. Aparna Chiplunkar worked on different documents (Forces, Human Body, GPS, Hearing Aid, Soya milk, Tamarind Sauce) to be published on INDUSAPTI website. INDUSA-PTI website was managed so as to remove the scrap/spam messages.

4) During the last week of June 2012, acc/to the suggestions by Mr. Bhatia, we initiated the process of identifying people/vendors who can translate the IBT Books to Hindi.

TISS-SVE proposal

- 1) Yogesh submitted concept note for implementing WCE methodologies in Mendha Lekha village in Gadchiroli to TISS. Idea is to give training to rural youth in Gadchiroli by involving them in development activities of the village.
- 2) Yogesh is appointed as a member of board of studies of TISS-School of vocation Education.
- 3) Ranjeet and Vasudeo Gautre participated in the workshop on designing course Content and Pedagogy for vocational courses under work based approach. The workshop was held on On 3rd and 4th June at Hyderabad.
- 4) Yogesh attended meeting of board of studies of TISS-SVE on 23rd June.
- 5) Two volunteers Mr.Abrahim and Mr.Chakri from TISS-SVE competed their internship at ashram from 18th to 30th June. They documented profiles of all DBRT students. Each student got their portfolio of work done by them along with their certificates.

6] DST Core Support Projects:

A] A review meeting of DST core team was held on 20th June. Projects of individual teammates were discussed at length and action plan is formed.

B] Oleoresin Project-

After modification in piping and extraction of Super Critical Extraction Unit, following trails were taken -

- i) Whole unit was cleaned with ethanol and tested with liquid CO₂ gas for about 200 kg bar @ 8 hrs.
- ii) Then ginger oil was extracted details are as –
 - 40 ml ginger oil extracted from 1200 Gm ginger powder.
 - Recovery % was satisfactory but colour of oil was blackish yellow instead of bright yellow, it was mainly because of impurities of previous (clustered apple seeds) trial remaining in extraction unit.
 - Now further modifications are planed as –
 - Increasing number of reactor to 4 numbers, so that we can do continues extraction without losing liquid CO₂.
 - Piping work will be done in Stainless steel – material is purchased by SGS creative wealth generation and fabrication is expected to be completed in July month.
- iii) 200 Kg dry ginger is received from Aurangabad which will be converted in Powder form by grinding it in Food processing section.

C] Solar Egg Incubator work –

Anil conducted mock trials in newly modified solar egg incubator. This trial was conducted by using LPG burner for heating water inside heating tube. Trial was successful & we are able to maintain humidity and temperature in the chamber. We also got clues for small modifications. Live trial with 100 hatching eggs will be conducted in July with new DBRT batch.



D) Animal Husbandry Proposal (Supported by Praj foundation)-

- Ranjeet and Ganesh visited goat farm at RAIN, Narayangaon on 13th June and NARI Phaltan and Andhuri (Tal- Wai , Dist- Satara) goat farm on 19th & 20th June. Based on these visits, detailed plan of new goat shed (behind existing cow shed) is made & estimates are made.
- Fabrication / construction work is expected to start in 3rd week of July. After completion of goat shed (2nd week of August) repair work of cow shed and new poultry shed construction will be done.
- Purchase of new goat breeds were discussed with private / Govt authorized farm. One Osmanabadi breeding buck is available with Narayangaon farm as per our requirement and we are negotiating with them.

G] Staff Quarter Construction (Supported by E-Boss/Mr.Daimond Meghji)



- i) RCC columns are erected. Brick work has started.
- ii) We have made certain modifications in the drawing to avoid cost of retaining wall and filling. New changes will also help in increasing ventilation. Several rounds of discussion were held among team include architect student Jui.
- lii) Students hostel construction has also started by PWD contractor.

H) Electronics projects in the Fab Lab

- a) Leaf Wetness Duration Sensory System – We have finalized , system design part for this project. Basic interfaces such as a blinking LED, Signal Capture Unit and In system storage were implemented successfully. We purchased moisture sensor – HDS05 from Rhydo Labz. Readings were recorded from June 24 to June 26 at Pune and Pabal.
- b) Administration Device – This project is being revamped now. During the month of June, we partly reworked the PCB design. For the sake of size and better h/w options, we changed the MCU from AT80C52 to AT90USB162. The device is expected to be delivered by July 15, 2012.
- c) Decentralised Irrigation System – We have finalized on the system design. A moisture sensor has been chosen as active component of the system. We recorded a few readings from June 24 till June 26, 2012, at Pune Office and Pabal. Target completion is before July end.

I] Theft of Solar Park Battery and Timer Box –

Led acid batteries (12 V/ 65 Amp & 12 V/ 7.5 Amp) and timer switch with its casing box of solar scheffler unit was stolen from solar park. Its value is approx. Rs.6500. Theft took place at night during power cut time. It seems to be work of a person , who knows the place and utility of the gadgets. As a shared responsibility to keep a vigil, it is decided in the meeting that all students and staff will contribute Rs.83/- each to replace the unit.

J) Team from Development Alternative (Ms Bhavana and her colleagues) visited ashram on 22nd to understand DBRT course. DA is exploring possibility of starting DBRT course.

For more information on DST core activities. visit
<http://vigyanashram.wordpress.com/>

7] DBRT update (Asha for Education supported Project)

- i) Nemendra completed solar parabolic cooker.
- ii) Tool box is fabricated as part of project.
- iii) Total sale of food products Rs.5070/-
- iv) Dairy Status →

Sonal cow – 6.5 months pregnant

Gauri cow – 7 month pregnant

Sharda cow – 9 month pregnant

Sonam cow – 3 month pregnant

Sonam was sick for 3 days but got recovered by medical and ayurvedic treatment.



9] Other Tit-bits

- a) Accounts: Audit of accounts 2011-12 is in progress. Financial advisor of IIE Mr.Gadhe (C.A) checked our accounts in Pune office and also given suggestion for accounting treatment in Tally. Compliance was done and accounts were submitted to IIE accounts for statutory audit.
- b) We received query on our application to register 'Vigyan Ashram' as a service mark from the office of Trademark and registry. We send reply to those queries.
- c) VA participated in DISHA career fair organized by CSR-Pune and Sakal social foundation on 9th and 10th June. We put



up information about our courses in the exhibition.

d) Environnement : Min temp. 24.6°C, Max temp. 32.7 °C, Humidity : 75.2%, rain fall : 36.17 mm

e) Bio gas data: Not received

	Total Gas	Feed	Rate	Total
Biogas no. 1	--			
Biogas no. 2				
Labor				
Total				

f) Electric bill – units, Diesel for generator – Not received from section.

Data Report- All section wise data report are available on Google pages:

<https://docs.google.com/spreadsheet/cc?key=0An-4RfsZ2K2OdEtLeDF4NWtKdTY5eEJIQWlqbzJnUUE>

Photo Gallery: More Photo's on: <https://picasaweb.google.com/vigyanashrampabal>



Mr.Viral bhai Patel (Valsad, Gujarat) constructed dome with our help and training.



DBRT practical examination



Certification distribution : DBRT



Completion of Project work



Different types of Brickwork



Fabrication of poultry cages



Oleoresin extraction unit



Preparing bed for Azolla – IBT training
