

# Vigyan Ashram Status Report

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## Yuva Udyojak Puraskar

30<sup>th</sup> July is anniversary of Dr.S.S.Kalbag. Every year, we felicitated our best alumni entrepreneur on the occasion. Mr.Anil Gade is running M/S Future Innovation Systems. He has contributed in development & commercial manufacturing of Egg incubator, dryer, Anjir slicer etc. His contribution is recognized for 'Yuva Udyojak Puraskar 2014'. He was given special trophy made on the 3D printer.



Dyanganga High school, Manchihill got 'Best IBT school 2014' award. Special prize for D-I-Y Lab projects were given on the occasion.

### Open House Exhibition

On 30<sup>th</sup> July, open house exhibition was organized. We have displayed all our work, projects done and major achievements during last year. More than 2000 visitors including Panchayat members, our alumni, villagers, farmers group, SHGs, our funding partners, NGOs visited the exhibition. People came from Sangli, Nasik, Mumbai, A.Nagar etc. Total 13 schools visited the exhibition. IBT Schools → Manchihill, Pokhari, Asade and Pabal villages also participated in the exhibition and displayed their IBT projects.

### New Students brought new Energy !! Welcome DBRT 2014-15

Vigyan Ashram started afresh with new students and new dreams on 10<sup>th</sup> July ! We have 54 admissions against capacity of 45. Students are from Maharashtra, M.P,UP,Andra,Tamilnadu, Chhattisgarh and from Nepal. 11 students will get loan scholarship.



### FAB10 conference on digital fabrication @ Barcelona



Yogesh and Pradnya attended Fab10 conference @ Barcelona from 2<sup>nd</sup> July – 8<sup>th</sup> July. Yogesh was invited as a speaker in a panel discussion on Fab Education. He also took part in different discussion on FabEd (Fab lab in education) and Fab Asia Network. Pradnya learned about 3D printer and shopbot machine. We participated in various workshop on Japanese art, D-I-Y electronics, Vinyl cutting, make-a—machine etc. We also visited other fab labs in Barcelona. Participation of Yogesh and Pradnya was

sponsored by Fab Foundation. Amitraj who worked in the Vigyan Ashram -Fab Lab and volunteer of VA also participated in the conference. Overall it was a great learning experience.

## Introduction to basic technology (IBT)

**A} Visit of RMSA team –** Rashtriya Madhyamik Shiksha Abhiyaan (RMSA) team including Dr.Suvarna Kharat(Project Director- RMSA , Maharashtra),Shri.Ravindra Balapure (Jt.Director of vocational education– Aurangabad) , Shri.Shatri (Jt.Secretary-Education) and 10 Principals from various school in Aurangabad district visited VA on 18<sup>th</sup> July. Objective is to understand VA philosophy and IBT. They also visited IBT program in Dhamari to understand IBT implementation with Schools. Education Dept is working on making IBT program a core subject as per NSQF(National Skill Qualification Framework). This visit was important from that point of view. Mr.Raj Gilda and Lend-a-hand-India representative were also present for the meeting.



**B} Ranjeet met Mr.Dilip Walse Patil and briefed him about the present issue in getting recognition for new IBT schools and getting funding to IBT schools.**

**C} Ranjeet and Kailash visited Lokmangal Seva Trust ,Belgaum (Karnataka) at their invitation. They wish to implement IBT and other entrepreneurship based skill training program with help of Vigyan ashram. The program was formally inaugurated on 20<sup>th</sup> July at Bapusaheb Thakur Junior college, Jamboti (Khanapur Taluka) by conducting training workshop on LED lamps and Rain gauge making.**



## D] Other important highlights -

- Ganesh and Sharad conducted 3 days camp on using OER at Manchihill IBT School from 23<sup>rd</sup> – 25<sup>th</sup> July. Students had fabricated 4 wheel barrow in different groups. Related principles and information was learned while doing the practice. They were involved in the designing of wheel barrow.



- Kuakonda IBT School at Dantewada, completed wiring work of 5 rooms in their school as part of their learning activity and community service work.
- Mr.Sachin Puneekar joined VA as IBT Program Manager from 1<sup>st</sup> July.
- Mr.Sachin and Nemendra visited DVET to follow up for school recognition issues of schools in PENCH and Tadoba.
- Yogesh visited Lucknow on 21<sup>st</sup> July at the invitation of RMSA- UP to present IBT program. They are planning to introduce as part of RMSA scheme.

#### **DST Core support project –**

- Second phase proposal for DST core support was finalized and submitted to DST.
- Anil Darekar and Rajesh Padavi (both DBRT 2013-14 Batch students) are selected as entrepreneur fellows under Praj Foundation supported TIED project. Anil Darekar will work on Egg incubator and Hand Rice de-husking machine project, where as Rajesh Padavi will work on bakery technology.
- Order for 2 new egg incubator (1000 Egg capacity) received from SHG supported by Chaitnya NGO, Rajgurunager and Farmer from Dhaund. Anil Gadhe started manufacturing work, with help of TIED fellow and DBRT students.

#### **Village Level Entrepreneur (VLE) in Chattisgarh and MP**

- No. OF Trained VLE : 19 (Mandaleshwarm, MP),
- 3 more solar villages created in Kathiwada area, Alirajpur, MP.
- 2 demo centres created.
- Ashish and Aniruddha met various people at Govt and political level to get Prakhar 50 – Led lights approved in Govt schemes. They also met various NGOs in remote district of MP and CG to promote the concept.



- v) Demonstration and Training of Solar Products before 500 farmers in Narayanpur.
- vi) Aniket is monitoring & collecting data for evaluation in Kathiwada. He collected data of @ 200 homes so far.

### **EWB Volunteers**

Mr.Chris Pocock and Mr.Navaz Karim from EWB-UK joined VA on 11<sup>th</sup> July. They will work with Ms Emma. They will be working on 'Design Thinking' project for next 3 month. They will also demonstrate integration of work and Education in few IBT schools.

### **Kitchen building construction work**

New kitchen building construction work is started. It is progressed upto foundation level. New DBRT batch, workshop students started participating in the work as a part of their practical's for e.g laying out foundation, pit filling and brick construction work etc. This new kitchen building will have to total of 2400 Ft<sup>2</sup> build-up (ground floor 1600 Ft<sup>2</sup> + 800 Ft<sup>2</sup> first floors) and 800 Ft<sup>2</sup> open terrace for solar cooking devices. We sold scraps from old dismantled kitchen shed. Cooking and dining facility is temporarily shifted to one of the hostel block.



### **Agri-AH**

- i) Gauri & soni cow was inseminated on 24<sup>th</sup> & 17<sup>th</sup> July.
- ii) Students visited to pomegranate garden at ganeshnagar to study cultivation techniques.
- iii) Sowing of Bajara, Maize & tag in agri land was done on 21<sup>st</sup> july.

### DIY Lab activity

- An introductory lecture by Mr. Bharat Karmarkar for participation in “2<sup>nd</sup> International Science and Mathematics Festival” was organized on 2<sup>nd</sup> July 2014. Total 12 DIY lab students & 04 school teachers attended the lecture.
- A D-I-Y camp was held on 19<sup>th</sup> July. 8 school teachers & parents attended this workshop.
- 35 Students from different schools are attending regularly weekly training workshops for completing different science projects.



### Other tit-bit –

- I. Management committee meeting was held on 30th July at Pabal. Mrs. Mira Kalbag, Mr. Ashok Kalbag, Mr. Vijay Kumar, Mr. Sunil Kulkarni, Mr. Pravin Mahajan, Dr. Yogesh Kulkarni (Invitee – Mr. Rajivbhai Gandhi, Mr. Ranajeet Shanbhag) were present for this meeting. New DST proposal, Kitchen construction budget, FAB Asia network, Gratuity payment for staff and other administrative issues were discussed and decision were taken during the meeting.
- II. Liz is a NPR news reporter from Seattle visited VA on 28<sup>th</sup> July. She visited on the recommendation of Asha for Education, Seattle chapter.
- III. Weather record – rainfall of the month -89.4 mm, Max temp- 29.16 oC, Min Temp –20.64oC, Humidity – 70%, Water height in well – 9.12 M
- IV. Energy consumption record- Electricity unit – Three Phase -1076 KWH, Single Phase – 123 KWH, Diesel consumption for generator- 0
- V. Cow milk yield record- Income – 431 Lit milk + 1608 Kg dung (worth Rs. 14641), Expenses – Rs.14654 (Total loss of Rs.22.00)
- VI. Biogas consumption – Dung used- 1892 Kg, Gas produced- 23.00 M3.

### Data Sheets :

<https://docs.google.com/spreadsheets/d/1kWouYaKzu9XpascyAhtJQcE1jRaUEEEcBHRAbwBt07s/edit#gid=670871432>

**Photo Gallery :**



Yogesh and Pradnya with Fab Asia team



Best IBT school of the year : Manchihill



Transporting old kitchen roof



IBT Students learning in Karli (Dantevada)



Screen Printing on T Shirt



Interactivity with IBT students @ their project



Nagaj school : Grafting work



Mulani sir of Pokhari school explaining water audit to visitors