

Vigyan Ashram Status Report

Volume 34 Issue 10

October 2016

In this issue

- ❖ DIC training at Pabal with Tata Motors Support
- ❖ Soil testing for Farmers
- ❖ Egg incubation machine installed at Jashpur
- ❖ Construction of New classroom started

A] Entrepreneurship Accelerator - We are providing support to our alumni's for preparing their business plan and also help them to approach bank and micro finance institutes. We are conducting training on 'Entrepreneurship Development'. Following of our alumni started their enterprises in this moth

- Mr. Sumit Raju Shingare has started fish farming business by taking 5 acre pond and fish retail outlet centre, at Awsari village near Manchar town. Sumit is our alumni of STED program, he has attended 'Business development' training workshop and we are providing him 'business incubation' support. He has made investment of Rs.1.50 lakh for his new venture.
- Two of our alumni Mr.Krishna Neharkar and Anil Niharkar started 'Dairy farming' business at Yedgaod village Tal. Junnar. They have invested Rs.2.5 Lakh for purchasing new cows and basic infrastructure.



Details of alumni and their enterprises are available on -

<https://www.rangde.org/borrower/microcredit/india/maharashtra/mahadev/51469>

B] Egg Incubator installed in Jashpur

Mr.Samir Ekka started his poultry egg incubation enterprise at Jashpur (Chhattisgarh). Samir is IBT instructor at Jashpur IBT School. We have supplied 1000 eggs incubator under UNICEF project. He has successfully installed egg incubator and started first batch with eggs of local breed.



C] Soil testing for farmers

Agriculture students tested 63 soil samples & prepared soil health card with fertilizer dose. They earned Rs.5250 as community service. These samples were collected from Pabal area by Shriram Fertilizer as part of fertilizer promotional & farmers training activity.

D] Classroom construction work

We are reconstructing our existing classroom. Old classroom outlived its life and need reconstruction. New class room will be approx.2300sq.ft with seating capacity of approx.130 students. We are planning to install permanent audio-visual projection facility in the classroom. Estimated cost of construction will be approx.Rs.29lacs. We have received support from Asha for Education and INDUSIA Endowment (Dr.Kishan & Kiran Bhatia) of \$25,000.

We have started demolition of existing classroom structure.



Old Classroom.. lots of memories , It was given 15+ years of service and was housing poultry earlier.



Demolition in progress

E] DIC training program:

We have launched training program for college going girl students from Pabal village. Tata Motor CSR dept is paying for their fees and providing scholarship for training expenses. We have started with course on graphic designing, digital fabrication and modern agriculturist. First batch with 12 girls from Padmani Jain College of Arts & Commerce, Pabal started from 1st October.

F] DBRT Update : October was full of celebrations on the campus with Dassera , Kojagiri and Diwali festivals. DBRT students & staff were busy with their project and celebration of festivals.

Following are important highlights –

- Workshop department earned community service of Rs.22,350/- as labour charges while completing various fabrication jobs of value Rs. 102330/- .Students fabricated poultry cages, cots, goat shed etc while learning metal



DBRT students making biobed in Polyhouse

fabrication skills.

- Akshay Kedari attended 1 Day training workshop on Fish farming @ Narayangaon KVK on 19th October as a part of his project assignment.
- Suyog Wargade attended 3 days training program on manufacturing and marketing of *Micro Solar Dome* organized by NB institute of Rural Technology (NBIRT), Kolkatta from 18th to 22nd October. NBIRT (www.nbirt.org.in) is DST Core group and have developed Micro Solar Dome technology especially for urban slums.
- Student from Energy & Environment department learnt basic of motor re-winding & motor-pump installation while repairing motor-pump on campus. They also earned community service of Rs.5105 while doing electrical fitting works in Pabal village.
- NIOS board exam was conducted during 26th, 27th October to 3rd & 4th November for 2014 & 2015 batch students. Out of 49 students 31 attended the exam. The exam dates were exactly before and after Diwali days. We have asked NIOS to change the timetable but they refused to change the dates. This results in absenteeism of students.
- Individual DBRT students blog are available on <https://vigyanashramdbrt.wordpress.com/>

GJ IBT Updates –

i) IBT Maharashtra - Following are few highlighted activities as –

- Dnyan Savardhini Vidyamandir, Shirval IBT School conducted 'Lantern Making Competition' in School. 170 IBT students made 385 lanterns in the competition with total value of Rs.8125/-.
- Students & instructors of Lokmanya Vidyamandir, Chikhalgaon (Ratnagiri) exhibited various festival products as candles, dhup batti, LED lamps etc prepared in Home & Health section and earned community service (revenue) of Rs.35000.00.
- IBT Students at Manchi Hill School fabricated wheel barrow and tree guards in the Engineering department worth Rs.2500.00
- Student of Sangmeshwar madhyamik vidyalay, Pargaon (Pune) fabricated Vegetable grading machine for their INSPIRE competition.
- Students of Daulawatrao Vidyalya, Kasegaon and Shri.Darlinga Vidyamandir, Challe repaired home-appliance and installed drip irrigation system in their School as part of MKF supported OER based skill learning activity.



ii) IBT Chhattisgarh –

- Mr.Pramod Pansare (food processing technology expert) visited Jashpur IBT program from 26th to 29th October to guide IBT instructors on their newly started food processing venture.
- Students & instructor at Kuakonda Potacabin (Dantewada) did electrical wiring work for ITI training centre building.
- Students in Gumda Potacabin (Dantewada) harvested 48Kg Gawar, 56Kg Bottlegourd, 32 Kg Cucumber and 50Kg of Brinjal for their Kitchen.



Vermi composting

HJ Updates – Technology Development & Design Innovation Centre

- Aquaponics project : Bio-beds are activated by siphon circulation based water circulation system. Bio-bed planted with *Colocasia esculenta* (Alu) and other vegetables like cherry tomato, chilli etc. During first 30 days of trial FCR of 3.86 was achieved which needs to be improved up to 2.0, by improving feeding acceptability.
- Egg incubator of capacity 150 eggs and 300 eggs were sold to Mr.Rahul Kedare (Shirasgaon) and Mr.Sanjay Muthal (Nashik) respectively. Both of them are starting home based egg incubation business under our guidance.
- Dry plastic waste balling press was installed at Saswad Nagar Panchayat 's 'Waste management unit'. It is managed by 'Greeny the Great' , a Pune based waste management firm. They will take trial of the press at Saswad Nagar-Panchayat (Dist- Pune) for balling of dry plastic waste.
- Poultry farming training workshop was conducted @ Paoolwatt (Pasli , Tal- Velha)campus. Training comprises preparing bamboo cage, feed management, Azolla cultivation etc.
- DIC student Dipali Kambale designed & fabricated Sky Lantern mould using acrylic sheets. See its video on : <https://www.youtube.com/watch?v=lv69XgM9zsU&feature=youtu.be>
- Yogesh gave an invited talk at Savitribai Phule Pune university (SPPU) on 'Design Innovation' on 15th Oct. This talk was also attended by DIC students of VA.



Bailing machine getting dispatched to Saswad

- Yogesh gave talk at MITSOM College on 22nd Oct
- Epilog service engineer visited VA on 20th Oct and installed metal laser tube.

I] TIED Project / Entrepreneurship Accelerator –

Shri.Vinayak Kelkar visited Pabal to attend a review meeting on TIED project on 19th October. During this meeting, review was taken on technology development & fellow's progress. Difficulties in getting desire rural youth for entrepreneurship fellowship and efforts taken to attract new fellows were discussed. By considering difficulties in getting good fellows, it is decided to suspend TIED project for next 6 month. The idea will be given fresh try with revised methodologies.

J] Other tit-bit :

a) Mr. Sunchit Jain (VP, Strategy and Business Development, Solidworks,USA) and Soldiworks team from Pune (Mr. Anurag Shukla (Solidworks team Pune), Mr. Ajikya Huddar (Pelf Infotech , Pune) visited Vigyan ashram on 7th Oct. They have provided us Educational license of Solidworks. They have also promised to provide technical support and training for our students.



b) Subir and Swami attended Solidworks innovation day function on 14th Oct and gave presentation on use of solidworks at VA.

c) Ranajeet visited Paoolwatt at Pasli village (Velha) on 7th Oct along with Dr.Sudhir Prabhu to discuss skill training model for tribal youth.

I. Pawan attended in-house CSR activity awareness day at EATON Pvt Ltd (Shirur MIDC) factory on 12th Oct and presented VA's program.

II. VA MC meeting was held on 1st October at Pabal. Various important issues like electrical supply problems, construction of new classroom, technology development updates, financial progress etc were discussed and decisions were made during the meeting.

III. I-POSITIVE , an online news publication published article on VA fablab. The article available on -

<http://ipositive.in/a-lab-so-fabulous-its-change-the-face-of-rural-india/>



- IV. Donations – We are thankful to Mr.Gurunath Kolhatkar, Mr.Ratan Singhania for their donation to VA.
- V. Vaibhav Rahinj resigned from VA to persue his higher studies.
- VI. Yogesh attended meeting to organise 'Bharatiya Vigyan Sammelan' in Feb2017 at Pune University. VA will showcase grassroot innovation in the conference.
- VII. Pawan visited Mahakaushalya office in Mumbai on 24th Oct to complete VTP registration process.
- VIII. Interview with Dr.Yogesh Kulkarni in Magazine Corporate Citizen available on :- <http://corporatecitizen.in/v2-issue13/cradle-of-leadership-making-of-a-rural-entrepreneur.html>
- IX. Weather record – Rainfall -00 mm (Total 333.18 mm) ,Max temp-23.45 C, Min Temp – 10.45 C , Humidity – 71.31 % , Water height in well – 6.41 Meter.
- X. Energy consumption record- Electricity unit – III Phase -992, I Phase -1064. Quality of power : Number of interruptions : 90, Normal voltage : 89%, No supply : 7 % , low voltage : 3 % , high voltage : 1
- XI. Biogas consumption – Dung used- 643 Kg, Gas produced- 29.2513 M3.
- XII. Two wheeler – 634 Km, petrol consumption – NA
- XIII. Total visitors to www.vigyanashram.com – 1130 (Visitor – 756 Viewers- 374) www.dsttara.in : Total Visitors: - 1455 (New-1193 , Repeated –262)

Data Report:

https://drive.google.com/open?id=0B_Jk2xLqAXjcX0J0Zm56U0ZDdUk

(Work of VA is supported by Asha for Education, Praj foundation, EATON Foundation, SPA Education Foundation, Megger (I) Pvt Ltd, Tata Motors, INDUSA Endowment, Unicef, Govt of Chhattisgarh, Nalanda (ILFS) foundation, Savitribai Phule Pune University, Lend-a-hand-India, Suzlon foundation, Dept of Science & Technology, and many individuals and foundations)

Photo Gallery:



DBRT (NIOS) written exam in progress



Kojagiri camp fire



Delivery of Egg Incubator to customer



Delivery of Egg Incubator to customer



Installing micro Solar dome @ ashram



Yogesh giving talk at Pune University

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