

Vigyan Ashram Status Report

Volume 35 Issue 12

Dec 2017

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A] Soil Health cards to farmers

Soil health Day was celebrated on 5th December. In last few months, we have conducted soil testing of farmers in Shirur Block. Soil analysis work for 3800 samples from 12 villages were done in VA soil lab. Based on the data generated, we have made Soil health card of 15500 farmers. Distribution of these cards was started in soil health awareness program at shingadwadi village near kahnur on 5th Dec. These soil health card will be further distributed to farmers by agriculture department.



Soil Health card distribution

B] Entrepreneurship Development Workshop on 'Bamboo processing'

Four days bamboo processing training workshop was conducted at Pabal from 26th to 29th December. This workshop was attended by 18 youths from Velhe & Bhimashankar area. Students learnt bamboo treatment, bamboo joinery, bamboo netting, workshop tools, business opportunity in Bamboo products etc. They learnt to use bamboo as structural material and for making utility items. Participants also visited bamboo processing workshop at 'Shedani'(Mulshi). We have invited external experts Mr.Rajendra Sapkal, Mr.Vinay Kolte, Mr.Chandan Haldar and Mrs.Smita Kasarbat (DIC Nasik) for training.



Bamboo Training

C] STARs forum conference

Vigyan Ashram hosted 'Skill Training for Advancement of Rural Societies' confluence on 9th Dec at J.P Naik center. The Confluence was designed to address two key points viz. (1) what does the future for Skills training look like and (2) how do we build social enterprises for the future. 57 senior executives of 49 organizations participated in the discussion.

D] Makethon at Pabal



A Makethon was organised at Fab Lab from 20th - 24th December. We have 12 participants in the Makethon. They worked on different project in the Fab Lab viz. Foldable chair for traffic police, easy Delivery bed design, Smart Garden, VA kitchen system etc. They went through different sessions on brainstorming - Ideation, Project development, QFD analysis, CPM chart, documentation etc. We also have two foreigners (Cameroon(Africa) and Bangladesh) participating in the workshop.

E] IBT Updates:

i) **Blog making workshop was conducted on 20th Dec 2017 at Pabal.** Total 14 teachers from 13 IBT schools participated in this workshop. These teachers were introduced to the steps to make a blog of their schools, how to create post and pages and benefits of the blog for school. In which they have written information about their village, school, IBT and practiced on creating posts. They were also introduced to online reporting system in this workshop.



ii) IBT Highlights :



3D printing workshop in Narayangaon, Bori



Red Cabbage in Chas school

iii) IBT setup is completed in new IBT school : Chimbali and Kendur

iv) Inauguration of IBT program at Moi was done on 2nd Dec at the hands of Mrs Kalyani Mujumdat of L&T Infotech foundation.

iv) IBT schools – Shirwal, Mukhai, Pargaon exhibited their projects at ‘Shikshan Wari’ at Amravati from 15th – 18th Dec.



Scrap Rally, Aichale

v) IBT lectures using video conferencing: Packaging (2nd Dec); Costing (9th Dec); Animal fees (16th Dec); Ferrocement (23rd Dec); Soil testing I (30th Dec). On average 196 students (8 schools) attended the lecture using video conferencing. Lecture was delivered by Dr.Yogesh, Mr.Ranajeet and Mr.Sachin.



F] IBT Chattisgarh

- i) IBT students of Bijapur porta cabin school had taken Muli (Radish) crop on barren land of school. They have used vermin compost and vermin wash for the crop. Seeds were sown on 8th Nov and they have harvested 80kg Muli on 27th Dec. They have also harvested 30kg of palak, methi, lalbhaji and dhania. All produce was used in school kitchen.
- ii) Students repaired 15 tube lights in Porta cabin school,

Naimed.

iii) IBT schools – Bijapur, Naimed, Pusnar and Sangampalli exhibited products made in IBT in a stall at Bijapur on 2nd Dec.

iv) DIY Lab activities started in Palnar from 16th Dec. Revati conducted workshops in Palnar and nearby schools.

G] DBRT Updates:

i) DBRT students (37nos) and 6 teachers visited Kisan Agri Exhibition on 15th Dec.

ii) Guest lecture on project & micro planning was held on 31st Dec by Mrs Vidya Chavan.

iii) DBRT students fabricated table for Textile lab, prepared 4 dome kits against order, Ladies hostel Dome maintenance work, made table for video conferencing. Total value of community service from workshop is Rs.1.13lacs (Labour charge to students – Rs. 20,233/-)

iv) Rewinding of two electric motors was done this month. Dryer motor on 15th Dec – Rs.660/- ; from 27th to 30th Dec, rewinding of 1.5 HP CRI open well which cost 2740/-.

v) Four DBRT students underwent on-the-job training on installing solar thermal installation from 21st Dec – 1st Jan.

vi) Electric maintenance work on the campus: Maintenance of starter, changing of service cable to Cow shed and IBT room was done. A new device of MSEB power log is installed by Prayas replacing earlier instrument.

vii) Food lab made 5kg dried Pooran mix for sale. DBRT students supplied Pav to vigyan Ashram kitchen on every Wednesday. They used 42kg maida to make Pav this month.

HJ DIY workshop: Following workshops were conducted by DIY Lab,Pune. Students were taught simple electronics and making small gadgets.

LDR sensor (2nd & 4th Dec 2017) at DIY Lab(20 students) ; “Making LED Torch” @ PMC Baburaoji sanas High school (7th & 8th Dec 2017) for 20 students, “smart Samai” to PMC “vasantdada Patil vidyaniketan high school”(14th & 15th Dec 2017) for 20 students; “Sound Detector” @ PMC “Yashwantrao

Chavan high school (21st & 22nd Dec 2017) for 20 students; Hobby electronics PMC Sant namdev high school on 26th & 27th Dec 2017 (20students).

ii) Yogesh conducted orientation workshop on project making and selection of project for THINK project students of Mukangan-Exploratory on 23rd Dec.

IJ Update - Technology development & Design innovation centre:

i) DIC team went to Mumbai for project discussion with Dr.J.B.Joshi sir on 8th Dec.

ii) We have participated in DIC exhibition @ Pune University on 8th Dec.

iii) Saswad Municipal corporation ‘Hygiene Box’ – DIC student Sidhesh Sakore and Nikesh lohia started work on designing ‘Hygiene box’ for safe transport of medical hazardous waste. This box will contain solution 6% hydrogen peroxide (H₂O₂) as disinfectant.



Solar installation Training



DC Laser Machine

Initial prototype was prepared from scrap material and tested for its effectiveness.

iv) Supriya is working on completing DC Laser for school and Suhas on desktop router. Supriya is working on project with Climber Engineers in Pune to make finished product.

v) Yogashree is working making Bio gas plant Controller and datalogger for client.

vi) Rava roaster on Scheffler is in operation now with good quality roasting for groundnuts.

vii) A discussion was held at Pabal on 25th Dec on Fab Village project. Sharvey, a master of architect student from Germany and his architect friends in Pune visited Pabal to discuss the concept.

viii) A meeting with Prof.Gadre of NSIT was held on 23rd Dec to discuss next steps for prosthetic project.

ix) Yogesh attended meeting of RGSTC for science center at ICT,Mumbai on 22nd Dec.

I] Entrepreneurship Accelerator

i) Ranjeet, Dipak visited 'Shahid Rajguru co-operative society' at Faloda village near Bhimashankar along with Dr.Prabhu on 6th December. Meeting was to explore the livelihood training at Falode.

ii) Velhe visit : Yogesh and Dr.Prabhu visit Pasli village and had discussion with Paoolwat foundation to initiate livelihood skills training (SOW) in Pasali.

iii) Dr.Yogesh visited Melghat (Dharani) on 28th Dec. Met our alumni in village Duni and Mhalada. Our DBRT alumni Mr.Tarasing become Panchayat Samiti



Meeting @ Falode village

member of Dharani Panchayat and

another DBRT alumni Kamalesh become Gram Panchayat member in another village. Tarachand is running online service center. He had ensured no migration from his village by providing 200+ days of rural employment to all people. Kamalesh himself is doing organic farming since last 3 years. Both said they got confidence to take up public issue due to their exposure in Vigyan Ashram. Another our alumni Ramsing who got loan from RangDe is doing well and now employing 3 employees.



Dr.Yogesh with Ramsing & his employees in his workshop



Dr.Yogesh with Tarasing (Panchayat Samiti member) and Kamalesh (GramPanchayat member)

J] Other tit-bit :

i) Machine donation – Mr.Yogesh Watve of Syntech Pvt Ltd (Vishnumulti Indus , Estate, Shivane, Pune) donated 2 old machines as Surface grinder & Milling machine to Vigyan ashram. These machines were transported to pabal on 20th December.

ii) Management committee meeting – MC meeting of Vigyan ashram was held on 31st Dec at Pabal. Meeting was attended by MC members Mr.Ashok Kalbag , Mr.Sunil Kulkarni, Dr.Sharad Javadekar, Dr.Kambale, Mr. Mahendra Rajgude and Mrs.Pallavi Shanbhag. We have discussed and decisions were taken on classroom construction, Fab academy admissions, Fab village project & others.



Status of hostel construction

iii) We have received donation

from Mrs Vidya Kasargod, Mr.Sudhri Kulkarni. We are thankful for their support.

iv) Update new hostel construction work – Excavation work completed, plinth foundation work on basement floor completed during December month.

v) Yogesh gave talk on ‘Rural Development Education system’ at Shivaji Science conference on 29th Dec at Shivaji science college, Amravati. He also gave a talk on ‘Use of technology in education’ on 30th Dec in Shikshan Chintan Parishad at Jnan Prabodhini,Pune.

Yogesh also visited Chikhhalgaon School in Dapoli on 10th Dec to participate in their Executive committee meeting. We have discussed implementation of FabEd program at Chikhhalgaon.

vi) Visitors to Pabal campus – 283 ; Website visitors : www.dsttara.org – 755 (New-649 , Repeated – 106), www.vigyanashram.com – 1444(New visitor –1004 Repeated-440)

, www.vigyanashram.wordpress.com – 1975 (Visitor- 1314 Viewers-661)

vi) Weather record – Rainfall – 0 mm (Total 882 mm) ,Max temp- 23 °C, Min Temp – 8°C , Humidity – 54%, Water height in well – 6.15 mtr .

vii) Energy consumption record- Electricity unit – III Phase- 807 unit, I Phase- 1072 unit. Quality of power: Number of interruptions: 4* , Normal voltage: 0* % , No supply: 12.9* % , low voltage: 0* % , high voltage : 0* % (* unit was changed and hence data is not available for whole month) ; Two wheeler usage : 718 kms

ix) Biogas consumption – Dung used- 154 Kg, Gas produced- 27.9 m³.

Data Report <https://goo.gl/aChgE7> **For Regular update:** www.facebook.com/vigyan.ashram.pabal

Our sites : www.learningwhiledoing.in , www.dsttara.in , www.vigyanashram.wordpress.com , www.vadic.wordpress.com , <https://ruralstartup.wordpress.com/>

Photo Gallery:



IBT project exhibition: Shikshan Wari, Amaravati



IBT program inauguration @ Moi High school



Polyhouse on terrace : IBT @ Shirwal



DIY project – Palnar (Chattisgarh)



DBRT @ KISAN



SUPER20 Girls got certificate from BOSCH



DIY workshop @ PMC school



Improved chulha made on plasma cutter under testing



STARs forum conference @ JPNC



Unloading of surface grinder machine



Rewinding of motor – DBRT students



Embroidery work on Digital Embroidery machine

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