

Vigyan Ashram Status Report

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A] Shramdaan in Pabal village

DBRT students did shramdaan in Pabal village on 14th Aug as a part of Independence day celebration ! They cleaned three wells in front of Nageshwar and maruti temple.



Independence day 15th Aug was celebrated with usual enthusiasm. Cultural program was performed after flag hosting.

B] DBRT activities

DBRT students activities are picking up the pace. Almost all students got settled down. Few students become home sick and left the course but all others got settled in ashram and its daily schedule.

- a) Workshop students completed order of erection of four dome structure for Deepgruh School at Chowphula on 16th and 17th Aug. Students also used press machine in Pabal and made 300 dome discs for these dome.
- b) DBRT electric section are busy in doing electric maintenance work



on the campus. They also made insect killer for kitchen.

- c) Agri section planted झेंडू,दोडका, मिरची, दुधी भोपळा, potato plants. They have sold 40kg tomato, 33kg cauliflower, 9kg chilly, 2kgआळू ची पाने to VA kitchen.
- d) Soni cow inseminated on 2nd Aug. DBRT students carried out vaccination of 20 goats on the farm of Mr.Shembade.
- e) New batch of poultry farming started on 16th Aug with 200 birds.



Installing drip and plantation @ ashram



Vaccination of goats

C] IBT Updates :-

IBT sections are now busy with their practicals. Vigyan Ashram team is visiting all schools where technical support is needed. Our Whatsapp group is very active and we have more than 250 person connected to the group. Following are some of the highlights of the program

i] IBT in Maharashtra :

- a) Nagaj school organized animal vaccination camp and 8thstd students carried out vaccination of 24 animals under guidance of veterinary doctor.
- b) Baragaonpimpri 10thstd students tested blood group of 720 students and earned community service of Rs.18000/-. They charged Rs.25/- per student.



- c) Kailash attended meeting with Gram Panchayat of Amkhel, Shanimandal and Tilali to seek their support in sustainability of IBT program.

- d) Kitchen garden activity is started in the following schools. Number of students in bracket have started kitchen garden in their home. Shanimandal (82), Aichale (60), Amkhel (80)

- e) Mr.Vinayak Kelkar of Praj Foundation visited Gawadewadi & pokhari IBT program on 13th Aug.



IBT meeting @ GrampanchayatAmkhel



Animal vaccination drive : Nagaj

ii) IBT in Chattisgarh

Inspite of unfavorable ground conditions, IBT team @ Chattisgarh are doing exciting things e.g.

- a) All IBT schools together made Rakhi and put their stall in collectorate office from 22nd – 24th Aug. They sold Rakhi of Rs.6000/- and earned profit of approx.Rs.3000/-.
- b) IBT @ Gumada porta cabin school made kitchen garden.



iii) IBT in Odisha :

IBT classes started from 1st week of August in 12 schools with 1284 participating students. Tools reached all schools and almost all schools prepared tool boxes, started making Sauce & Jam, conducted practical's of land measurement and preparation of agri plot etc.

iv) Sachin visited Jnan Prabodhini, Belgaum on 28th Aug to review the progress done in



last 10months and to plan next steps. He also visited DVET, Mumbai on 5th Aug.

D] Fab11 at MIT, Boston, USA

Yogesh attended Fab11 – International conference on Digital Fabrication at Massachusetts Institute of Technology (MIT), Boston, USA from 3rd – 9th Aug. He had conducted workshop on ‘Fab Labs for developing Appropriate Technology for developing countries’ on 4th Aug . He also presented work of VA-Fab Lab on 5th Aug. It was a memorable experience to visit MIT and meet more than 1000 participant from 78 countries. Fab Foundation sponsored trip of Yogesh to MIT & we are thankful to them.



E] DST core support project- Following are important updates on technology development.

a) High density fish farming (RAS)

experiment: The RAS trial is progressing as per the schedule. Following are important observations & modifications done in August month:-

- Fish growth & FCR - We are targeting overall FCR of 2 (2 Kg fish feed will produce 1 Kg Fish weight) for this trial. As fishes are in exponential (fast growth) stage, we had measured FCR, every fortnight. For first fortnight, FCR of 0.76 was achieved, whereas for the 2nd fortnight, FCR went upto 1.96. During second fortnight FCR was higher, which may be due to thw following corrections made :-



Problems identified	Corrections made in system
<ul style="list-style-type: none"> • DO depletion during night time 	Water circulation system modified to have continuous circulation even when electricity is not available.
<ul style="list-style-type: none"> • Accumulation of sludge in tank 	Manual removal of water sludge

- Biomass production – Bio-bed and vegetable beds in polyhouse started yielding vegetables. We harvested Methi (21.05 Kg), Tomato (17.36 Kg), Cabbage (5.76 Kg), Chili (7.6 Kg) and weeds as fodder (2.39 Kg) from bid-beds in August. We are hoping to recover fish feeding cost out of these vegetables.

F] Entrepreneurship Accelerator project

- a) List of potential 'Technology development project ideas' were made. It was discussed in the project review committee(PRC) meeting on 31st Aug at JPNC. According to their suggestions, projects are categories as short & long term projects.
- b) Praj Fellows updates :
 - i) Rajesh Dhayarkar – is working on Advanced agricultural techniques as Vegetable cultivation with mulching paper , polyhouse farming, bio-dynamic composting and Aquaponics
 - ii) Praksh Nayak – is working on improvement of Rice De-husking machine and development of bike mounted HTP sprayer projects
- c) Mr.Pawan Soni joined as Project Manager for Entrepreneurship Accelerator. He is a India Development Fellow.
- d) We are working on making business plan for Mr.Kailash Kumbhaliker and Mrs.Savita Nyaneshwar.

G] DBRT update

i) Rakhi Making workshop using 3D printer
- We have conducted workshop on making Rakhi using 3D printer on 23rd Aug. 5 students from Bhairavnath vidyalaya and 7 DBRT Students participated in the workshop.

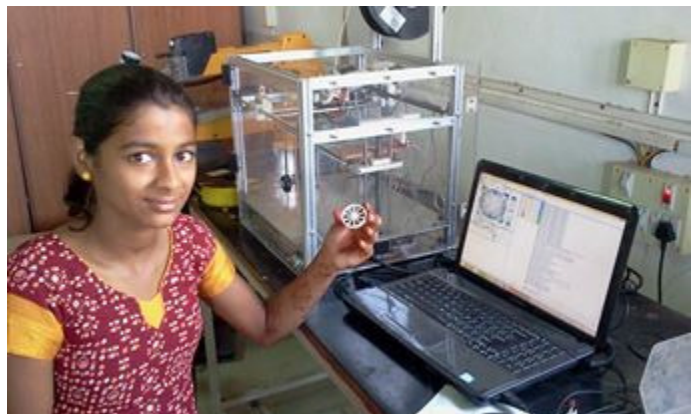
2) Mrs.Pallavi Shanbag gave a presentation in Megger's Distributors meeting on 20th Aug at Hotel Taj Lands End, Bandra. She presented VA program and support of M/S Megger's to VA.

3) Councilor from Army Public school and Dhruv counseling center visited VA on 5th Aug & discussed with DBRT students and three students with special needs. This is ongoing program to include children with special needs with normal students.

4) We have received final installment of World Bank project. The funds are to hire consultant to carry out capacity building of the organization. We had a meeting on 28th Sept to discuss with consultant.

5) Dairy record- Gauri (Profit : Rs.4503/-), Soni (Loss : Rs.838/-),Sonam (Loss: Rs.1603/-)

6) Goat farm : Operational profit : Rs.741/-



H] Other tit-bits-

- We have conducted interview for the Food lab instructor. Ms Anita Pansare resigned from the services for better prospects.
- Unicef team visited IIE to carry out micro assessment of Vigyan Ashram project on 26th Aug.
- Vishal and Sachin attended meeting of Tata Motor CSR on 13th Aug.
- Yogesh attended meeting with India Fellowship program at Chaitanya, Rajgurunagar on 13th Aug.
- Mr.Thigale Sir who was Principal of Bhairavnath Vidyamandir, Pabal and supported Dr.Kalbag in the initial years of Vigyan Ashram. Mr.Thigale sir passed away on 4th Aug. He was the first principal to adopt IBT program in his school. थिगळे सरांना भावपूर्ण श्रद्धांजली !
- Ranjeet attended Sangad Sammelan @ Snehalaya, Ahmadnagar. Sangad is annual meet of NGO (social) workers , work as ' think tank' for social field.
- **Important visitors –**
 - Dr.Sandrine MAXIMILEN,a attaché for Science & Technology Service, Consulate General of France (Bombay), visited Vigyan Ashram - FAB-LAB on 3rd August.
 - VA online visitor – www.learningwhiledoing.in –New- 682 , Repeated – 48,www.dsttara.org – New- 471 , Repeated – 77,www.vigyanashram.com –New- 1451 , Repeated – 400,www.vigyanashram.wordpress.com – Visitor – 2149 , Viewers – 811.
- Weather record – rainfall of the month – 27 mm ,Max temp-25°C , Min Temp –11°C, Humidity –81% , Water height in well – 5.3 M
- Energy consumption record- Electricity unit – Three Phase - 560 KWH, Single Phase – 576 KWH , Quality – No. Of interruption- 177 , No supply – 42 hrs , Normal Voltage - 78% , No supply – 5.7% , Low Voltage – % , High Voltage- 16.16%
- Diesel consumption for generator- 0Lit , Two wheeler running- 633 Km.
- Biogas consumption – Dung used- 1301 Kg, Gas produced- 995 m

Data Report Link-

<https://drive.google.com/file/d/0B3-4RfsZ2K2ObFczMWhSSVBTM28/view?ts=5603e01f>

(Work of Vigyan ashram is also supported by Asha for Education, INDUSA, UNICEF, Govt. Of Chhattisgarh, Lend-a-hand-India, Suzlon foundation, Wildlife Conservation Trust, Megger (I) Pvt Ltd, Eton (I)Pvt Ltd, Dept of S & T , RGSTC, Praj Foundation and Many Individuals and foundations)

Photo Gallery:



Rakhi IBT Stall – Dantewada , CG



Visit of Officials to Odisha IBT schools



IBT Amkhel : Kitchen garden



Independence Day Celebration



Dome construction @ Deepgruh



Vigyan Ashram Team

For regular update : <https://www.facebook.com/vigyan.ashram.pabal>