

Vigyan Ashram Status Report

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A] Fab13 conference in Santiago, Chile

Yogesh represented Vigyan Ashram at Fab13 conference from 31st July – 6th Aug at Santiago, Chile. Following were highlights of the conference.

- Five students of Vigyan Ashram graduated Fab Academy & received their Diploma certificates. Congratulations to Abhijit, Arundhati, Dipali, Mahavir and Jatin !
- Vigyan Ashram received Chevron STEM award 2nd prize for Fab Lab in Education program. Prize amount \$3000 will be used to implement FabEd activities in more rural schools. Congrats to Pradnya, Suhas & Supriya !
- Yogesh had participated in symposium on 'Fabricating Society' as a speaker and presented aspirational scenario for Indian Villages in next 50 years.
- Yogesh was panelist in a workshop on sustainable development goals and Fab lab objectives.

This conference gave us opportunity to learn from other fab labbers around the world and collaborate.



Yogesh presenting at Symposium



Yogesh with Sherry (President, Fab Foundation)

B] Visit to Dr.Bhatia at Houston, USA

Yogesh visited Houston on 7th and 8th Aug to meet Dr.Kishan and Kiran Bhatia. Dr.Bhatia is supporting various infrastructural project at VA from more than 10 years. He has supported construction of farm tank, polyhouse, solar park, new office and kitchen building and new classroom. Yogesh presented him with photograph of classroom and office building. We are thankful to them for their support. Yogesh also visited Baker Ripley, community rehabilitation center at Houston to understand their activities.



Dr.Kishan & Kiran Bhatia with VA classroom & office photo at their home in Houston

C] Inauguration of Bakery unit in Jashpur (Chattisgarh)

Twenty girls from Chattisgarh completed Bakery course at VA in April 2017. They got training under Mukhyamantri Kaushal Vikas Yojana (MMKVY). These girls started a bakery at Kansabel Dist.Jashpur. The bakery unit was inaugurated by district court Judge Mr. Rajani, Dr. Priyanka Shukla(Collector), SP, CEO and others. Name of the bakery is 'Beti Jindabad Bakery'



D] IBT Updates:

- i) IBT school, Narayangaon made 12000 saplings of flower vegetables and sold it for Rs.6000/-
- ii) Following schools made items for Electrical decorations and sold it by putting stall in the market on the occasion of Ganeshotsav :
Chikhalgaon , kurunzhe, Dhamari, Shirwal
- iii) Mukhai IBT students made safety door for school.
- iv) Vaccination of animals in collaboration with animal husbandry dept was carried out in Chadwel, Bramnwel, Amkhel, Valsang, Aichale IBT schools. Total 253 animals were vaccinated.
- v) Nagaj & Ghatnandre schools planted 610 plants.



D] IBT CG

- i) We are introducing IBT program in Cuddalore district, Tamilnadu in collaboration with Nalanda foundation with the support of ILFS. Rajeshkhar visited Cuddalore for ground assessment of schools and interview candidates for the post of instructors.
- ii) IBT Potacabin Karli students organized a stall on 4th Aug to sale rakhi's.



- iii) We have collected selected case studies of IBT program in Chattisgarh. They are compiled in the format of book 'Reminiscence of IBT in Chattisgarh'. You can download booklet from:
https://drive.google.com/open?id=0B_XAts2trEHsWVp3TmlwSIZtQms

iv) On the occasion of Independence day pusnar and Bijapur school students prepared boondi and mixture (approx.. 50kg per schools).

v) We have submitted bid for establishing DIY lab in Dantewada. Technical Presentation was given on 17th Aug and financial bid was opened and accepted on 21st Aug. Very soon, we are hoping to start DIY Lab in Dantewada.

E] Update - Technology development & Design innovation centre:

i) A Micro solar dome was installed for testing on 10th Aug at the house of Mrs Shantabai Gadekar. There was complete darkness in her house even during the day.

ii) Soil Health card mission – Online data uploading work of farmers data is in process. So far, primary data for 3000+ farmers are uploaded on portal by DIC computer class students.

iii) Update on Aquaponics -- Fresh trial of aquaponics started in fish tank of 50000 lit. Existing polyhouse structure is extended to accommodate fish tank & bio-beds. Around 500 seeds (baby fish with average 2 Cm length & 1.5 Gm weight) of Grass carp fish (Ctenopharyngodon idella) introduced in fish tank. Bio-beds were repaired and new plumbing line installed as per design requirement. Bio-bed are replanted with Alu and gladiolus as secondary crop. As a primary crop rose (Varity - first red) is planted on mulching paper covered raised beds. Drip irrigation system is repaired & re-installed.

iv) Aquaculture farming in farm tank – 3000 seeds of Murrel (Channa straitus) (पट्टेरी मरळ) is introduced in the farm tank on 22nd August. Murrel is carnivores fish and mainly grow by hunting other fish in farm tank. We have around 10000+ fished on tilapia in the farm tank. We are hoping that murrel will survive on tilapia & grow up to 500 gm in next 8 months' time span.

v) Site visit to Tandali –

On 20th August, Ranajeet visited Tandali village near Nhavra in Shirur taluka for site visit & egg incubator training. At this village; SHG group has installed 1000 egg capacity egg incubator with the support from Animal Husbandry department of Shirur Panchayat Samiti. This egg incubator is supplied by Anil Gadhe & we are providing hand-holding support to SHG under entrepreneurship development program.

vi) We will be testing Heliostat tracking system designed by BARC at Vigyan Ashram. Three heliostat will be installed and will reflect solar rays on tower at VA. We have taken necessary permission from Gram Panchayat to use grazing land around tower for testing.



Installation of Micro Solar Dome



Making Aquaponic fish pond



vii) Dr.Arun Dixit & Supriya visited RIT,Sangli on 28th Aug to interact with their students for DIC admission.

viii) Dr.Dixit & DIC students visited mashroom plant near rajgurunagar on 15th Aug to understand his system.

ix) Tejas and Chetan visited Islampur to study spirulina products.

x) Yogesh participated in National policy roundtable on Social entrepreneurship policy organised by Pune

International center at MCCIA on 19th Aug.



Round table on Social Entrepreneurship

F] DBRT Updates:

i) 15th August & Ganesh Festival celebration –

Independence Day & Ganesh festival were celebrated on campus with full of enthusiasm. On 15th August flag hosting ceremony was followed by cultural programs by DBRT & DIC students. On 14th August, all students & staff participated in Shramdaan and planted 200 + saplings on the campus.

Ganesh festival was celebrated on campus from 25th to 29th Aug. Students practiced traditional

Dhool-Tasha and Barchi dance for more than 15th days. They performed their dance during Ganesh procession on first day & on immersion procession. Dahi handi festival was celebrated on 16th Aug.

ii) TATA Motors CSR meeting – Visited TATA motors CSR office on 16th August to attend annual review meeting.

iii) Installation of Bio-toilets – Two units of 1000 lit capacity bio-toilet tanks are installed at campus on 28th August. These toilet tanks are donated for field trials by M/S K.K.NAG Pvt Ltd. These bio-toilet tanks are capable of digesting human waste in 48 hrs holding time. It is complete odourless process.

iv) Agriculture activity : With good monsoon so far.. agricultural activities are picking up the pace. Summary of activities so far as follows: a) Jawar and maze were sown in fields. B) Grass [kadi gavat] & elephant grass plot was



- made near ladies hostel c) Installed drip and mulching for chilli for chilli plants. C) Made acacia branches compound around jawar field. D) Made new beds for rose plantation
 v) New batch of poultry with 150 birds was started on 23rd Aug-2017.
 vi) Renovation for room no.2 is in progress. Plastering of room was completed.
 vii) DIY workshop on fun with electronics on 3rd Aug (25 girls), 20th Aug (6 students), 22nd & 23rd Aug (15 students)

G] Other tit-bit :

i) Mrs Nalini Yadav accepted 'Guruvarya Puskar - Dr.Abdul Kalam award for visionary in science and Innovation in Pedagogy ' on behalf of Vigyan Ashram.

ii) Yogesh Kulkarni gave talk on 'Changing context of Leadership' at a National conference on evolving leadership at GG International School, Pimpri on 18th Aug.

iii) Visitors:

- Cycle Trip of Jnana Prabodhini's Leadership Academy students made an overnight visit to ashram on 18th Aug.
- 5-member team from Manav chetana Vikas Kendra, Indore visited VA on 28th and 29th to study educational philosophy of ashram.
- Website visits : www.dstattara.org – 683 (New-558 , Repeated –125),www.vigyanashram.com – 1685 (New visitor –1144 Repeated-551) ,www.vigyanashram.wordpress.com –2840 (Visitor-1915 Viewers-925)



iv) Weather record – Rainfall – 208 mm (Total 552 mm) ,Max temp-21 °C, Min Temp – 20°C , Humidity – 71%, Water height in well – 4.5mtr .

v) Energy consumption record- Electricity unit – III Phase-803 unit, I Phase-604 unit. Quality of power: Number of interruptions: 16, Normal voltage: 49.6 % , No supply: 3.95 % , low voltage: 0 % , high voltage : 0. % , Data not recorded :46 % (Data logger was non-operational for this period)

vi) Biogas consumption – Dung used- 297 Kg, Gas produced- 16.44 m³.

vii) Visitors : www.dstattara.org – 634 (New- 541, Repeated –93) ,www.vigyanashram.com – 1906 (New visitor – 1325 Repeated-581) ,www.vigyanashram.wordpress.com – 2610 (Visitor-1722 Viewers-888)

Data Report:

https://drive.google.com/open?id=0B_Jk2xLqAXjcNfNRaldhbTjYwZCUGhTUXBFShVzVENDclpV

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

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

Photo Gallery:



Students doing compound in Aichale IBT school



IBT : Vaccination of animals



IBT Karli after completing Rakhi sale.



Bio-composter unit : Under testing with 70kg waste for last 4 weeks.



Ganesh Decoration camp at DIY Lab @ JPNC



Barchi dance : Ganesh festival

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