

# Vigyan Ashram Status Report

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## In this issue

- FAB 12 Conferences @ Shenzhen, China.
- Roof-top rain water harvesting of workshop building completed
- VA received accreditation with Electronic Sector Skill Council of India (ESSCI)
- Plasma cutting machine become operational

### A] FAB 12 Conferences @ Shenzhen, China:

Yogesh, Suhas, Pradnya and Supriya from VA attended Fab12 - Annual conference on 'Digital Fabrication'. It was held at China's industrial capital Shenzhen, during 8<sup>th</sup> to 14<sup>th</sup> August. The conference was attended by 800 + participants from 64 different countries. Theme of the conference was Fab2.0: That is Machine making machines! (<http://fab12.fabevent.org/>).



Fab Academy Graduates at Fab12

#### Following are Important highlights:-

- Five VA students graduated Fab Academy @ Shenzhen. Congratulation to Pradnya, Supriya, Suyog, Yogesh Tamhane and Akshay !!
- Yogesh Kulkarni presented paper on ' Fab-Lab 0.0 to Fab-Lab 0.4 Learning on running a lab in an Indian village'.  
[https://drive.google.com/open?id=0B\\_Jk2xLqAXjcZ2VOYk9xTWpQei00TFZFV0hpY1d1Y2ZhUXpF](https://drive.google.com/open?id=0B_Jk2xLqAXjcZ2VOYk9xTWpQei00TFZFV0hpY1d1Y2ZhUXpF)
- Pradnya conducted workshop on 'Integrating School curriculum with Fab Lab project'. Details of her presentation are on : [https://drive.google.com/open?id=0B\\_Jk2xLqAXjcdjLdzZPOER4QnM](https://drive.google.com/open?id=0B_Jk2xLqAXjcdjLdzZPOER4QnM)  
And [https://drive.google.com/open?id=0B\\_Jk2xLqAXjcXzhDakFnR2FpX3M](https://drive.google.com/open?id=0B_Jk2xLqAXjcXzhDakFnR2FpX3M)

- We have also participated in the Fab Festival (public event) on 13<sup>th</sup> & 14<sup>th</sup> August. We have displayed our projects like Rangoli machine, Soil moisture sensor, Fab mudra (local currency) , Fab Charakha etc.
- Suhas stayed back after the conference from 15<sup>th</sup> to 17<sup>th</sup> August. He joined Fab Tour of various digital fabrication industries & design labs as in Shenzhen. He visited Mindray, Imay, Tencent, Seeed Studio, 3NODES, Skyworth, SIID, ND design etc as part of Fab tour program.
- Team participated in various workshops, panel discussion etc. It was overall good learning experience.
- Fab Foundation sponsored cost of travel of Yogesh and given partial scholarship to rest of the members. Pradnya and Suhas worked as Technical Guru and got paid for their services, which helped to cover cost of their travel.
- Yogesh, Pradnya and Supriya visited Hongkong and met representatives of Erase poverty foundation on 15<sup>th</sup> Aug.



#### **B] DBRT Update:**

- Workshop dept renovated old and depilated housing unit. It involves ferro-cement walls, plumbing, electrification, and wall painting etc. Electrical department, students carried out electric wiring. Some of the labour intensive work was given to labourer from village.
- Agriculture department planted merry-gold in Polyhouse and started new batch of poultry with 300 birds of Giriraj breeds.
- 15th August: Independence Day was celebrated with full enthusiasm on campus with flag hosting followed by cultural programs. All DBRT students & staff participated & enjoyed various performances like dance, drama and individual acts. Students & staff also did SHRAMDAAN on 14<sup>th</sup> Aug. They carried out fixing fence and planting 200+ Jatropha and Cactus sampling.



**Renovation of staff quarter**



- DBRT students visited entrepreneurs in Pabal village e.g Shop, motor rewinding, scrap dealer, sliding window maker, door lamination, vada Pa vendor, barber, printing press, vehicle washing center, welding workshop etc. It is part of their entrepreneurship training.
- We have made system to collect rain water from workshop building. We are expecting to collect minimum of 1.5 Lac lit rain water every year and use it to recharge ground water sources on campus.

Please find more about DBRT project : [www.vigyanashramdbrt.wordpress.com](http://www.vigyanashramdbrt.wordpress.com) ;  
[www.vigyanashramdbrt.blogspot.in](http://www.vigyanashramdbrt.blogspot.in)

### C] Technology Development updates:-

- Work started on re-designing of Aquaponics system. Under this new system we have planned to rare mono-sex culture of Tilapia fish , under guidance of Khar research centre , Panvel (Dr.BSKKV, Agriculture University, Dapoli).
- 1000 egg capacity incubator fabricated & ready for despatch to newly started IBT School at Jashpur, Chhattisgarh.
- All DIC students visited Eaton on 3<sup>rd</sup> August. Eaton Foundation is providing fellowship to DIC students. We are expecting technical support & mentorship from their employees for our projects. We have presented our projects to the Eaton team. Now Eaton employees will sign up for the projects of their choice and work with VA students.



**Grey Water Recycling :Behind Students hostel**

- Mr.Swami Kalekar visited Nandurbar on 4<sup>th</sup> and 5<sup>th</sup> Aug. One of VA associate purchased Chinese rice planter machine. But it was not performing well. Swami visited Nandurbar, tested the machine. We have brought the machine to Pabal for modification and redevelopment.

- DIC student, Abhijeet Savant completed work on portable chulah and prototype was handed over to our client m/s Samuchit Envirotech Pvt Ltd.

- We have conducted one day workshop on 'Digital Fabrication' on 26<sup>th</sup> Aug for the students of A.D.Y.Patil University. Workshop was attended by 50 students and they were introduced to



**Laser workshop : ADYP University students**

digital fabrication tools like Laser cutter machine, 3D printer, Modella milling machine etc .

- Teams of 20 DIC staff from Savitribai Phule Pune University- Design Innovation center visited Vigyan Ashram on 26<sup>th</sup> Aug. The visit was part of induction training of newly appointed DIC staff.
  - Plasma cutting machine was installed at Pabal and it became operational. DBRT students completed its wiring on 9<sup>th</sup> Aug.
  - Anil is working on developing vendors for commercial production of rice dehusking, egg incubator and incinerator.
- For projects update : Please visit : [www.vadic.wordpress.com](http://www.vadic.wordpress.com) and [www.vigyanashram.wordpress.com](http://www.vigyanashram.wordpress.com)

#### DJ IBT Updates: – i) IBT Maharashtra -

- IBT model Schools earned community service of Rs.341594.00 during August. Highlights of community services are as follows –
  - Hingangaon School IBT dept made 10 new benches (Rs.13,000) & H.V Gavadewadi School fabricated and constructed shed (Rs.15780).
  - IBT program A.P.Nagaj and H.L.V. Hasur School prepared sampling for social forestry worth Rs.45000 and Rs.10000 respectively in their Agriculture department.
  - Students in L.T.V Chikhalgaon School earned Rs.23300.00 by providing food service through their Home & Health department.
- 'Fish Dryer' project prepared by IBT students of L.T.V Chikhalgaon has been selected for state level inspire award competition. This idea was finalized during the 'Learning Science through innovation' workshop organized at IISER, Pune in the month of July.
- IBT Management Committee of Pokhari School visited Pabal on 26<sup>th</sup> Aug to discuss progress made under model School program & difficulties faced in implementing program at School level.
- Animal Health check-up camps were conducted in 8 Suzlon foundations supported IBT Schools during 3<sup>rd</sup> to 19<sup>th</sup> August. These camps were conducted in collaboration with village level Animal Husbandry department.
- Instructors training was conducted for newly started IBT School of Hivare (Pune), Atyal (Kolhapur) on 11<sup>th</sup> & 12<sup>th</sup> August.



#### ii) IBT Chhattisgarh –

- IBT students in 11 Porta cabin schools at Dantewada prepared RAKHI's and sold them during 15th to 17th August at parade ground & collector office premises. Students earned community service of Rs.20,000.00 through this activity.
- Students in Pusnar, Bijapur and Kutru Potacabin prepared refreshment for 15th August program, while learning basics of food processing activities.
- Base-line test was conducted for IBT program at Jashpur.
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### E] Short term skill trainings & workshops:-

- Electronics Sector Skill Council of India (ESSCI) certified Vigyan ashram as Training Provider under Skill-India mission.
- Ganesh Pingle attended master training program on “Micro Irrigation Technician” during 7th to 11th August. This training was organized by ASSCI (Agriculture Skill Council of India) at Krushi Vigyan Kendra, Amravati.
- ‘Giriraj Poultry Farming’ training workshop was conducted during 25th to 27th August. Workshop was attended by 7 farmers and interested DBRT students to learn basic of poultry farming techniques including poultry shed management, feed management, vaccination etc. Dr.C.G.Apsinge was invited as expert trainer to guide farmers on marketing of ‘Giriraj’ birds.



Trainees of Poultry trainee

### F] Entrepreneurship Accelerator program Updates:-

- Mr. Dattatray choudary has stated his business of motor rewinding business at Dharangaon Tal-Kopergaon Dist- Ahemadnagar. Dattatray was TIED fellow. He is running his enterprise from home with basic investment in tools of Rs.50000/-
- Mr.Sunil Bhujad has started computer centre with internet facility at Talasari Tal. Talasari Dist. Palghar. Sunil is IBT instructor at Talasari School. We are supporting him for his enterprise through STED program. He has attended made investment of Rs. 1 Lakh for his enterprise.

For more details :

[www.ruralstartup.wordpress.com](http://www.ruralstartup.wordpress.com)



### G] Other tit-bit –

- I. Ranajeet and Arun visited ISKON skill training centre at Wada (Dist-Panghar) on 6<sup>th</sup> August. They are starting DBRT program under VA guidance.
- II. Subir attended 3 days' workshop on Product design organized by Industrial Design Center, IIT Pawai during 25 to 27<sup>th</sup> August.
- III. Yogesh and Ranajeet visited Paoolwaat organization at Pasli (Velhe) village on 27<sup>th</sup> Aug to study opportunity of skill training and technology based rural enterprise establishment for tribal youth of area.

IV. Mrs.Kiran Bhatia & family visited Pabal campus on 22<sup>nd</sup> Aug 22. She along with Dr.Kishan Bhatia (INDUSA Endowment) are long-time supporter and mentor of VA.

V. We are thankful to Mr.Uday Kukade for his donation to VA.

VI. Mrs.Reshama Hawaldar joined Home & Health section as Instructor.

VII. Weather record – Rainfall - 84.32 mm (Total 131.53 mm) ,Max temp- 22.25 °C, Min Temp – 9.58 °C ,

Humidity – 85.16 % , Water height in well – 7.3 Meter.

VIII. Energy consumption record- Electricity unit – III Phase -519, I Phase -835. Quality of power :

Number of interruptions : 90, Normal voltage : 88.59%, No supply : 7.53 % , low voltage : 3.85 % , high voltage : 0 %

IX. Biogas consumption – Dung used- 590 Kg, Gas produced- 23.67 M<sup>3</sup>.

X. Two wheeler – 1073 Km, petrol consumption – NA

XI. Total visitors to [www.vigyanashram.com](http://www.vigyanashram.com) – 1969 (New- 1435 , Repeated –534 )  
[www.dsttara.in](http://www.dsttara.in) : Total Visitors: - 1641 (New- 1367, Repeated –274 )



**Dahi Handi celebration**



**Pune University DIC team @ VA**

Data Report:

[https://drive.google.com/open?id=0B\\_Jk2xLqAXjcaIRYY0p2ZIBUVVBEbWNaN0thVWR4OTBjcU04](https://drive.google.com/open?id=0B_Jk2xLqAXjcaIRYY0p2ZIBUVVBEbWNaN0thVWR4OTBjcU04)

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**Photo Gallery:**



DBRT students in polyhouse



Session on Meditation by Mr. Masaki Nii (Japan) on 17<sup>th</sup> Aug.



Plasma cutting machine become operational



IBT school, Nagaj : Goat vaccination



Training on Laser : Camp for D.Y Patil University Students



Dr. Kiran Bhatia and family at Vigyan Ashram

For Regular update: [www.facebook.com/vigyan.ashram.pabal](https://www.facebook.com/vigyan.ashram.pabal)