

Vigyan Ashram Status Report

Volume 36 Issue 10

Oct 2018

In this issue

- Fab Lab India Network Meeting at Pabal
- Yogesh visited Finland for International Solar Innovation conference
- Tribute to Gandhi ji with #Swatchbharat mission
- Article series on Vigyan Ashram alumni-Entrepreneurs in Agrowon newspaper

A] Fab Lab India Network Meeting

Sherry Lassiter, President and CEO of Fab Foundation visited Vigyan Ashram on 30th and 31st Oct. Sherry installed Fab Lab at Vigyan Ashram in 2002. This visit was a moment to revisit old memories and make future plans. On 30th, She visited all projects at VA and interacted with VA team. We had a meeting of 'Fab Lab India Network' on 31st. 15 Fab Labs from all over the country participated in the discussion. It was an inspiring visit from Sherry and we hope, we will be able to build on the momentum to build 'Fab Lab India Network'. Thank you, all Fab Labs in India, for coming to VA and participating in the discussion. Our friends from SAU-Dhaka, Bangladesh also joined via Video conferencing.



Sherry is one of the strong supporters of Vigyan Ashram and its program. She preferred to stay in Vigyan Ashram with the students during her visit, we really appreciate her gesture. Vigyan Ashram Team is really thankful to Sherry and Fab Foundation for their continuous support in our Fab journey.

B] Dr. Yogesh Kulkarni gave a talk on 'Skills and entrepreneurship development - challenges and opportunities' at India International Science Festival 2018 at Lucknow. He advocated globally connected but locally self-sufficient village is the way forward for creating more jobs locally.

C] International Solar Innovation Conference @ Helsinki

Yogesh participated in International Solar Innovation Council (INSIC) conference at Helsinki, Finland from 16th – 20th Oct. He was part of delegation of DST, Govt of India supported core support organisations. He gave presentation on new ideas on solar applications for improving rural livelihood. As a part of delegation, he had visited Aalto University, Design Factory, Fab Lab-Aalto, Maker Spaces in public library etc. Delegation also participated in the scientific research discussion on solar innovations at Aalto university.



Delegation with Indian Ambassador to Finland Ms Vani Rao

D] Vigyan Ashram observed Gandhi Jayanti with #Swatchbharat Mission :

Vigyan ashram observed 150th Birth anniversary of Mahatma Gandhi by participating in #SwatchBharatDiwas on 2nd October. We had paid tribute to 'Father of Nation' by disseminating various cleanliness technologies under DST CORE Support program initiative. DBRT -E&E students installed 'Nanded Pattern soak pit' in Pabal village with the help of Pabal Grampanchayat. Ranajeet conducted video lecture for IBT schools. This results in IBT schools making 35+ soak pits, 330 Potable water test, 715 + recyclable paper bags and dustbins, village level clean drives etc.



E] DBRT Updates :

- i) First section exam was held on 9th Oct (Practical) and 10th Oct (theory).
- ii) Polyhouse repair work: Paper replacement and repair work was completed by DBRT students under the guidance of our alumni Mr. Raosaheb Jadhav.
- ii) Mr. Ashok Mathur conducted Sky lantern making workshops on 13th and 14th Oct. DBRT students made Sky lantern for ashram and few extras for others.
- iii) Poultry farm update – Number of eggs – 2058 Egg , Kg of feed used – 347.2 Kg (FCR – 2.02 / dozen of eggs) , Mortality – 2
- iv) Students prepared 1 ton silage from green maize while learning advanced fodder technique.
- v) DBRT Workshop : Students made Scrap yard as part of their project. They made Sheet metal rack for plasma machine.

vi] Entrepreneurship Accelerator

a) Alumni Entrepreneurs: Mr.Ranajeet and Vicky has started writing a fortnightly article on successful VA alumni entrepreneur in the Agrowon newspaper. Mr.Sumit Shingare (Fishery) on 1st Oct and Mr.Diler Mirza (Fabrication) on 15th Oct featured this month.

This is our effort to promote entrepreneurship by showcasing role models in the community.

b) SOW project update –

- Completed baseline survey for 22 possible beneficiaries of project.
- Ganesh Pingle conducted training of basics poultry management techniques as de-beaking , feeding , vaccination, feeding rate etc for project beneficiaries and hostel students at Pasli.
- Completed survey on Kitchen garden space availability for each beneficiary.
- Vicky visited public health centre to assess 'health data' baseline support availability.

vii) Courage to Lead -A Certified Program in Experiential Education : Komal and Mahendra participated in the training from 2nd – 7th Oct at Gurgaon (New Delhi). This training was designed to help educators understand how to use real-life experiences as a source and pedagogy for teaching, learning and development in schools and community.

ix) Kojagiri was celebrated on 23rd Oct with camp fire program.

x) New Hostel construction – Work of sidewall construction, plastering work (outside & inside), Staircase construction completed during October month.

xi) Work of Marathi Wikipedia done by Pooja and Super 20 girls featured in Sakaal newspaper on the occasion of Navratri.

आधुनिक मत्स्यपालन : एक शाश्वत व्यवसायसंधी

ग्रामीण उद्योजक

रमजित शानबाग, चिकी चौधरी

पुणे : पशुवैद्य रमजित शानबाग यांचा जन्म १९८५ मध्ये झाला. त्यांचा पालखीतूनच व्यवसाय हाताळण्याचा प्रयत्न झाला. त्यांच्या वडिलांच्या मदतीने त्यांनी 'अग्रोवन' नावाचा पत्रिका सुरू केली. या पत्रिकेच्या माध्यमातून त्यांनी ग्रामीण भागातील लोकांना आधुनिक मत्स्यपालन विषयी माहिती देण्याचा प्रयत्न केला आहे. त्यांच्या पत्रिकेतूनच त्यांनी 'अग्रोवन' नावाचा व्यवसाय हाताळण्याचा प्रयत्न सुरू केला आहे.

त्यांच्या पत्रिकेतूनच त्यांनी 'अग्रोवन' नावाचा व्यवसाय हाताळण्याचा प्रयत्न सुरू केला आहे. त्यांच्या पत्रिकेतूनच त्यांनी 'अग्रोवन' नावाचा व्यवसाय हाताळण्याचा प्रयत्न सुरू केला आहे.

मत्स्यशेतीचे नियोजन

शुद्धता हे मत्स्यपालनाचे महत्वाचे घटक असते. त्यासाठी योग्य जागा निवडणे, पाणी उपलब्ध करून देणे, तसेच तापमान नियंत्रित ठेवणे आवश्यक आहे. यासाठी योग्य उपकरणे घ्यावीत व त्यांचे योग्य वापर करावा. शेतकरी मत्स्यपालन करताना या गोष्टींचे धोरण ठरवून घ्यावे. यासाठी योग्य मार्गदर्शन घ्यावे. यासाठी योग्य मार्गदर्शन घ्यावे.

मत्स्य व्यवसायाची सुरवात

मत्स्यपालन हा व्यवसाय सुरू करताना योग्य जागा निवडणे, पाणी उपलब्ध करून देणे, तसेच तापमान नियंत्रित ठेवणे आवश्यक आहे. यासाठी योग्य उपकरणे घ्यावीत व त्यांचे योग्य वापर करावा. शेतकरी मत्स्यपालन करताना या गोष्टींचे धोरण ठरवून घ्यावे. यासाठी योग्य मार्गदर्शन घ्यावे.

सुरवात दिले आहे. फिश कार्मर्स हेल्थसन्नेट एक्झीटिव्ह (FFDA) यांनी मत्स्यपालन विषयी अनुदान पात्र उमेदवारांना मार्गदर्शन केले आहे. या उमेदवारांना कर्नल फेन्साटो मत्स्य शेतकरीचौधरी अंतर्गत मदत मिळेल आहे.

उत्पादन, चिकी आणि नफा

मत्स्यपालन हा व्यवसाय सुरू करताना योग्य जागा निवडणे, पाणी उपलब्ध करून देणे, तसेच तापमान नियंत्रित ठेवणे आवश्यक आहे. यासाठी योग्य उपकरणे घ्यावीत व त्यांचे योग्य वापर करावा. शेतकरी मत्स्यपालन करताना या गोष्टींचे धोरण ठरवून घ्यावे. यासाठी योग्य मार्गदर्शन घ्यावे.

सरकारी योजनांचा लाभ

मत्स्यपालन हा व्यवसाय सुरू करताना योग्य जागा निवडणे, पाणी उपलब्ध करून देणे, तसेच तापमान नियंत्रित ठेवणे आवश्यक आहे. यासाठी योग्य उपकरणे घ्यावीत व त्यांचे योग्य वापर करावा. शेतकरी मत्स्यपालन करताना या गोष्टींचे धोरण ठरवून घ्यावे. यासाठी योग्य मार्गदर्शन घ्यावे.

संपर्क
 संपर्क : सुनील शिंगारे, ९८६११३७४९०
 चिकी चौधरी, ९८०८८३०४९९

C] Technology Development:

i) Soil Health Card mission 2018-19: Soil testing & online data entry work is under progress. Till October end , we have finished testing of 2851 samples out of 3432 , data entry work were completed for 3385 samples and soil health card printing were completed for 2859 health cards out of 11757 cards (24 %). Soil health cards of Hivre & Kendure village were completed and handed over to respected agricultural officers. Ranajeet attended soil health card mission meeting on 8th October @ Pune.

ii) Mahendra and Siddhesh participated in product exhibition on 20 October 2018 at Gold Leaf Lawns, Karvenagar, Pune and displayed dried product and compost culture.

iii) **NACHANI ROASTER** : DIC student Mr.Amol made Nachani roaster to make Nachani ladoos. This is made against the requirement of self-help group in village Falode (Bhimashankar). The main development includes (a) Profile of stirrer which includes a blade which scrub hot flour and press it against wall during rotation. (b) The selection of motor. Both are optimized to the satisfaction. Present unit is tested successfully with 1kg of flour for making besan and nachani ladoo for Diwali celebration. Amol is working on standardizing this machine for batch size of 5 kg.

iv) **COMPOSTER**:-

New composter was designed and fabricated. In house trial was conducted on 28th Oct. This unit is designed to mix microbiological culture with fresh kitchen waste. Total time for mixing of 50kg kitchen waste and 30-35kg microbiological culture is about 5min. The mixture of culture and kitchen waste is then stored in plastic crates.

vi) Ms Marie-Pierre AULAS, General Manager-La foundation and Mr.Hemant Gadgil, Executive Director Dassault Systemes Foundation,India visited VA on 9th Oct to know about composter and other technical project & skill training work.

vii) Dr.Arun Dixit gave presentation about VA program and methodology at workshop of new Science & Technology Parks organised by Homi Bhabha Center for science education, Mumbai on 24th Oct.

viii) Yogesh attended College Development Committee meeting of Govt College of Engineering, Awasari dt.12th Oct.



F] IBT News :

i) Chhattisgarh IBT

Sachin visited Dantewada and Bijapur from 3rd Oct to 8th Oct 2018. Instructors meeting at Dantewada (34 instructors) was held on 5th Oct and at Bijapur (29 instructors) on 6th Oct. Sachin met District collector of Dantewada and presented report of work done.

ii) Total 5 video conference lectures conducted in Oct 2018. Total 487 students benefited from 39 schools.



1.3D printing training @ Gawadewadi 2. Soil testing @ Padsare
3. Construction @ Chas 4. Paper stand @ Padsare 5. Merigold crop @ Hivare 6. Water testing @ Chas

G] DIY Lab :

i) Nine different workshop were organised by DIY team in the month of October. The workshop includes Arduino, 3D printing, 3D design, Basic Electronics and laser cutting. Total 194 students benefitted from the workshop.

ii) As a part of project, DIY team decorated DIY lab with lanterns, lights, forts etc.

H] Other tit-bits –

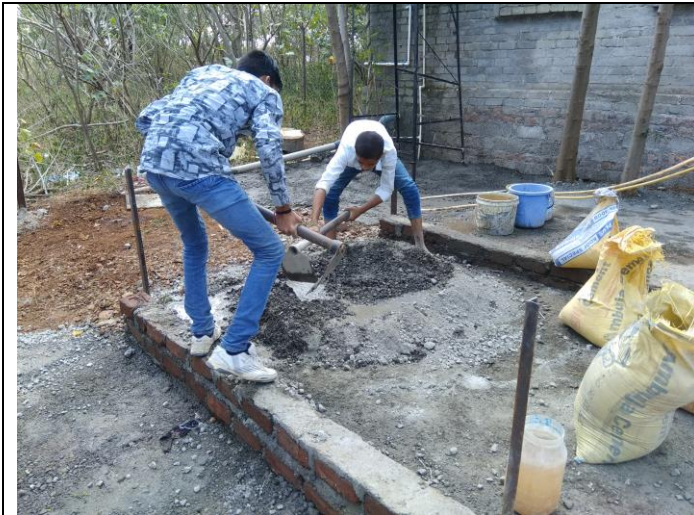
- MC meeting : VA MC meeting was conducted on 14th October. Meeting was attended by Mr.Ashok Kalbag, Mr.Sunil Kulkarni , Mr.Vijay Kumar, Mrs.Ajali Chipalkatti, Mr.Mahendra Rajgude, Dr.Yogesh Kulkatni. Various important projects like hostel construction , technology development projects, Solar electricity, Educational methodology in DBRT etc issues were discussed during meeting.
 - Two wheeler usage : 917 kms
 - Visitors to Vigyan Ashram : 225 ; Online visitors : www.dsttara.org – 916(New visitor – 805 Repeated-113),www.vigyanashram.com – 1357(New visitor – 1111 Repeated-246) ,www.vigyanashram.wordpress.com – 1575(Visitor-985 Viewers- 590)
- i) Weather record – Rainfall – 8 mm (Total 324 mm) ,Max temp- 37°C, Min Temp – 22°C , Humidity – 53 %, Water height in well – 6.9 mtr.
- ii) Energy consumption record- Electricity unit – III Phase- 1453 unit, I Phase- 920 unit. Quality of power: Number of interruptions: 50 , No power: 14.36 hrs. Normal voltage: 87 % , Low voltage : 4.2 % , No supply : 1.96 % , No data : 0 %
- iii) Biogas consumption – Dung used- 85.5 kg, Gas produced- 0.27 m³ (under maintenance)

Data Report : https://drive.google.com/open?id=1SvqT9Rzj_ea4oOc5O8Z0A6ERdgyx2W_K

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 :



Construction of Scrap Yard at ashram



Komal on Learning expedition : Learning History



Poultry @ Velhe started under SOW project



IBT Instructors meeting @ Bijapur



DIY Workshop @ Yashawantrao Chavan, Bibabewadi



Visit of team of La Foundation



सकाळ

नवदुर्गा



पूजा जाधव

महिलांचे विश्व 'ग्लोबल' करण्याचा प्रयत्न

सामाजिक, मानसिक आणि शारीरिक अशी महत्त्वाची तीन स्वास्थे महिलांनी कशी जपावी, यशस्वी महिलांनी या स्वास्थ्याच्या बाबतीत कसा विचार केला, आपण कसा करतोय आणि कसा करावा, हे सगळेच अनुभव कथन आणि यावर प्रत्येक महिलेचे स्वतःचे विचार जागतिक स्तरावर पोचविण्यासाठी पाबळ (ता. शिरूर) येथील पूजा जाधव ही युवती विकिपीडियाचा (विश्वज्ञानकोष) आधार घेऊन काम करीत आहे.

भरत पचंगे, शिरूर

नैसर्गिक उपजत सोशिकता, पुरुषप्रधान संस्कृतीचा कुटुंबव्यवस्थेतील प्रभाव आणि सामाजिक, मानसिक व शारीरिक अशा तीनही पातळ्यांवर महिलांचे स्थान अद्यापही दुर्यम आहे. या विषयावर अगदी सर्वसामान्य महिलांपासून उच्चशिक्षित महिलांपर्यंतचे प्रत्यक्षातील अनुभव आणि जागतिक स्थिती याचा तुलनात्मक अभ्यास- निरीक्षण विकिपीडियात अपलोड करून ते जगातील महिलांसाठी उपलब्ध व्हावेत, यासाठी पाबळ येथील विज्ञान आश्रमने काही महिन्यांपासून पुढाकार घेतला आहे. यासाठी एक स्वतंत्र प्रकल्प म्हणून काम व्हावे, असा विचार होता. त्या वेळी गावातील पूजा गजानन जाधव या युवतीने या कामासाठी पुढाकार घेतला आणि या कामाला सुरवात झाली. तिच्या या प्रयत्नाला विज्ञान आश्रमचे मुख्य संचालक डॉ. योगेश कुलकर्णी पाठवळ देत आहेत. या प्रकल्पातगत पूजा हिने स्थानिक व परिसरातील महिलांनाच प्रशिक्षण दिले. त्यातून प्रत्यक्षात अनुभव कथन वा वास्तवातील माहिती विकिपीडियात अपलोड करण्याचे

विकिपीडिया
मुक्त ज्ञानकोश

काम विज्ञान आश्रमाच्या सहकार्याने सुरू केले. गेल्या दोन वर्षांपासून तिने जगातील यशस्वी पन्नास महिलांचे भावविश्व, आरोग्यविश्व आणि जगण्याच्या शैलीपासून केलेल्या कामाच्या यशाचा मागोवा घेतला आहे. यात महिला धावपटू हिमा दास, रित अन्नाराम, बास्केटबॉल खेळाडू दिव्या सिंग, अभिनेत्री राकुल प्रीतसिंग, बुद्धिबळपटू तानिया सचदेव, अशा एकूण ५० कर्तृत्ववान महिलांचा गोषवाराच मांडला आहे.

मुळात महिला विश्व हे महिलांनाच जास्त उमगते, यावर पूजा हिचा विश्वास आहे. त्यामुळे तिने आता परिसरातील महिलांनी विकिपीडियाचा वापर करवा व आपल्या जवळच्या किंवा स्वतःच्या अनुभवाचे कथनासह महिलांवर लिहिते व्हावे, पान ४ वर >

Pune, District-Today
14/10/2018 Page No. 1

Pooja Jadhav in News for Wikipedia project



Yogesh at IISF, Lucknow



Composter Model 2.0

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