

Vigyan Ashram Technologies Foundation (VATF)

Monthly Status Report

Volume: 1

Issue: July 2026

Key highlights:

- 30th July 'Open House Exhibition'
- Training on Spices production at Pabal
- 15.6 tons of wet waste processed using BSF larvae at Savardari
- New program 'Fab Opportunities Academy (FAO)' was started

A] 30th July 'Open House Exhibition'

VATF has organised "Open House Exhibition" at Vigyan Ashram (Pabal campus) on 29th-30th July. The Open House on the anniversary of Dr. S. S. Kalbag showcased work in technology development, skills training, and entrepreneurship. Over two days, the exhibition drew more than 3,500 visitors, including school and college students, farmers, members of women's self-help groups, and NGO representatives.

IITM has displayed model of El-Nino especially on the background of forecast of drought in the coming year. Ssquare technologies have setup a model lab setup for schools implementing Vocational Education. Beside this many of our alumni Entrepreneur put up their stall and displayed their products. **Mr. Jayesh Dayerkar and Mr. Akshay Sawant were awarded alumni entrepreneur award.**



B] Training on spice production at Pabal:

Training on Spice Making Enterprise: A 2-day hands-on training workshop on 'cottage-scale spice manufacturing' was conducted on 22nd July 2026 at the Pabal campus. Training was attended by 12 WSHG members associated with the WOTR organization (Rajgurunagar). Participants learned the manufacturing of 10 different spice mixes (Indian traditional spice mixes), their raw material sources, packaging, and marketing. Participants also met successful women entrepreneur Mrs. Rani Jadhav, whose is running a spice-making unit in Pabal village.



C] 15.6 tons of wet waste processed using BSF larvae at Savardari

Mahesh Shinde and his team processed 15.6 tons of wet waste using BSF larvae. They have prepared 10 new BSF beds during July. Team showcased the Savardari Waste Management Project and BSF process at the Open House Exhibition held at Pabal on 29th and 30th July 2026.

- Infrastructure & Machinery: Plastering, staircase work, and the remaining electrical work at the waste management shed were completed. The pellet machine and solid waste processing machine were also installed, tested, and commissioned.
- They also initiated coordination with the Gram Panchayat for source-level segregation of wet and dry waste.



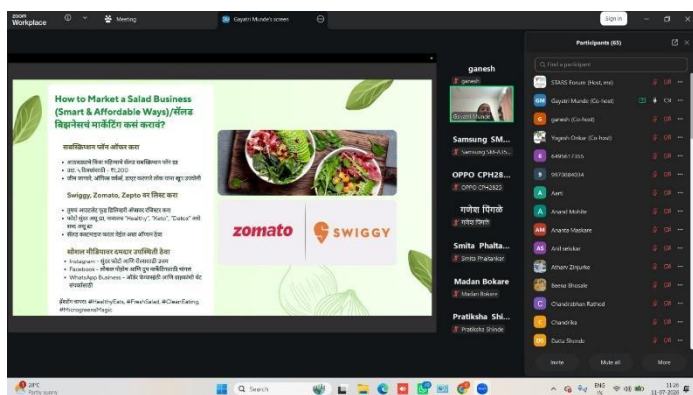
D] Fab Opportunity Academy (FAO):

FAO is new program started in collaboration with Fab Foundation, USA. It will be a short-term (60-day) training program on "Advanced Manufacturing Skills". The course aims to empower young aspirants with new-age skills in digital fabrication, embedded systems, and electronics—aligned to industry needs and entrepreneurial ambitions. The 1st batch of 9 students started on 1st July at the Pabal campus. Students learnt electronics design, embedded programming, and the use of input & output devices during 4 weeks of training. Individual students' learning assignments and project work can be found at <https://vadic.vigyanashram.blog/watershed-management/>



E] Entrepreneurship Development Program (EDP) updates:

- On 11th July 2026, a webinar on “Business Opportunities in Salad Making” was conducted. Entrepreneur Ms. Gayatri Munde was the resource person. The webinar was attended by 67 participants. The webinar discussed growing market demand of health-conscious urban consumers, identifying target customer segments, delivering high-quality products, and adopting hygienic packaging and effective branding to enhance shelf life and marketability.
- Enterprise Support was provided to Ms. Ujjwala Bhujbal for obtaining FSSAI registration for her spice and Shevai manufacturing enterprise, supporting her in formalizing and initiating her food-processing business.



Hero of the month:

Akash Kokane, started a laser and plasma cutting service enterprise with the name of 'Govind Art' at Narhe Ambegaon (Indapur, Pune). Akash completed DBRT course in 2021-22 and worked in VA-Fab-Lab, Solar PV installation before starting his own business. He has made an investment of ₹37lakh.

F] Diploma in Basic Rural Technology (DBRT) course updates: (supported by - Shroff Foundation, Eaton India Foundation)

The one-year DBRT program began with 63 admissions (53 boys, 10 girls). Students have settled on campus and started their training modules. This residential program follows a “learning-by-doing” methodology in 4 sections: Agriculture & Animal Husbandry, Energy & Environment, Material & Mechanics, and Home & Health. This year, we will be giving special emphasis on soft skills (spoken English, presentation, book reading, and art education) and advanced computing skills.

Following are some of the section-specific key learning activities of students as follows:

Energy & Environment section: Students learned the basics of electrical wiring skills while fixing electrical connections to a 600 sq ft poultry farming shade on the campus. Students also installed CCTV cameras in the food-processing lab and learned about the overhauling of DG sets, repaired washing machines, and conducted

regular repair and maintenance work of electrical connections for the 30th July open house exhibition. The total community service value for July was Rs. 62,477/-, including Rs.9,015/- in student earnings.

Engineering section: Students learned basic metal fabrication skills (Arch & CO₂ welding, power cutting & drilling), CNC operation (plasma cutting), and painting (spray & powder coating). They fabricated a 40-unit bed for the hostel, a dismantlable planter stand, a tin-roof storage shade, and a UPVC pipe-based hydroponics fodder cultivation unit as group learning activities. The total value of their community service was Rs.70,858/-, with students earning Rs.9,860/-.

Home & Health section: In this section, students learned the basics of dehydration, bakery, and sugar-syrup-based preservation. Students processed 40 kg of jackfruit seeds to prepare their powder (worth Rs.5,159/-) and other premixes (worth Rs.19650.00), 16.6 Kg Morgina Chikki (worth Rs.6,640/-), 15 kg bread flour and 3 kg Tamarind sauce. Total sales value for July was Rs. 47,300/-

Agriculture & Animal-husbandry section: In the farming section, students learnt the basics of soil testing, composting, plant nursery, and dairy-goat farming skills. Students sold 1000 seedlings of cucumber and forest trees (100 plants of Jambhul and 680 plants of tamarind). They also harvested 500 kg of vermicompost and planted drumstick plants and capsicum in a polyhouse.

Apart from this, students participated in the 30th July Open House Exhibition and participated in meditation and personality development club activities.



G] DIY lab update:

- During the month, students explored the integration of technology, art and science through hands-on activities. They developed working models such as a ballerina automata lock-mechanism coin box, and a weight-lifting mechanism using basic gear principles. Students also explored origami 2D and 3D digital models. In addition, students worked on Arduino UNO-based traffic light coding and circuit design, along with creative activities such as glass painting, tessellation and Yoshimura patterns through paper lamp-making, while using Inkscape, Tinkercad, and Pepakura to develop



- Through these activities, students developed a practical understanding of gears, motion and mechanical mechanisms, along with skills in 2D/3D digital design, basic coding, and circuit development. The hands-on approach strengthened their problem-solving, design thinking, creativity, and ability to convert concepts into working models.

H] Asmita

The ASMITA Lab team completed an order of 101 lab aprons (cutting and stitching), 1,200 head caps, and 124 T-shirts. The total community service in July was Rs.14,766.85/-.

I] Learning by Doing (LBD)

VATF is partnered with UNICEF to provide technical support to Learning by Doing (LBD) Program in schools from 75 districts in Uttar Pradesh. Objective is to make science and mathematics more interesting and meaningful for students by giving them hands-on activities in their LBD LAB.

The Honourable Chief Minister of Uttar Pradesh, Shri Yogi Adityanath, has also appreciated this program in his public speech this month. Watch the video on <https://www.facebook.com/reel/1590911009109009>



J] Gujrat training -

A one-day online training session was organized for Gujarat instructors on Kaushal Vikas, based on the NCERT book introducing vocational education to Class 9 students on 7th July. Dr. Yogesh Kulkarni provided guidance for the training programme. The session introduced instructors to different vocational work and career areas and focused on connecting vocational education with students' interests, everyday activities, and future career opportunities.

K] Other titbits:

Vigyan Ashram Technologies Foundation received the Guruvarya V. D. Namjoshi Award given by Swatantryaveer Savarkar Pratisthan (Sangli) for its contribution in education & rural development. Ms. Archana Shinde received an award and presented VATF's work on 31st July.

L] Data Report:

(Work at Vigyan Ashram is supported by: EATON Foundation, UNICEF, Schaeffler India, Texol Engineering Pvt Ltd, K R Shroff Foundation, STARS Forum, UNICEF and many individuals and foundations).

Photo Gallery:



Welcome to new DBRT batch



Welcome to new DBRT batch



Hero of the month



Sold 100 Jamun and 680 tamarind sidling



VATF received Guruvarya V. D. Namjoshi Award



Poultry wiring by DBRT students at campus

For Regular update: www.facebook.com/vigyan.ashram.pabal; www.vigyanashram.blog
www.vigyanashram.com ; <https://vigyanashram.online/>