Swashodhan Trust

Activity Report: 2023–2024

Overview of Organization

Swashodhan Trust is an NGO registered under 12A and 80G, established in 2017. The Trust is a Social Rural Entrepreneurship initiative working to create self-sustaining, self-sufficient digital villages. It focuses on providing urban amenities in rural areas to prevent urban migration.

Keeping the Positive outcomes in view the Trust has decided to continue the previous year Digital classrooms and increase the number of Digital classrooms thereby benefiting the more children compared to previous year.

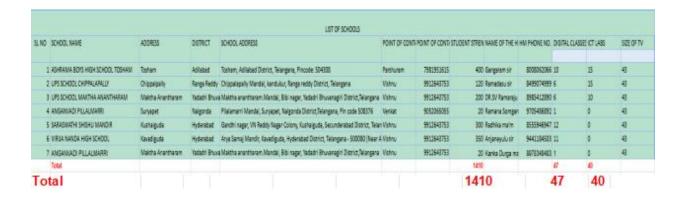## Key Program Areas and Activities:

Activity 1:

Establishment of Digital Learning Infrastructure

Date of Activity: 2023–2024
Locations: Total 7 Schools covered, including the VIRIJA NANDA HIGH SCHOOL Arya Samaj Mandir, Kavadiguda, Hyderabad District, Telangana - 500080 (Near Arya Samaj School), 4 Schools and continuation in Chippalapally, Telangana.

Beneficiaries: 1,410 students as listed below.

LIST OF SCHOOLS											
SL.NO	SCHOOL NAME	ADDRESS	DISTRICT	SCHOOL ADDRESS	POINT OF CONT	POINT OF CONT	STUDENT STREN	NAME OF THE H	HM PHONE NO.	DIGITAL CLASSE	ICT LABS	SIZE OF TV
1	ASHRAMA BOYS HIGH SCHOOL, TOSHAM	Tosham	Adilabad	Tosham, Adilabad District, Telangana, Pincode: 504308	Parshuram	7981953635	400	Gangaram sir	8008062066	10	15	43
2	UPS SCHOOL CHIPPALAPALLY	Chippalapally	Ranga Reddy	Chippalapally Mandal, kandukur, Ranga reddy District, Telangana	Vishnu	9912643753	120	Ramadasu sir	8499074999	6	15	43
3	UPS SCHOOL MAKTHA ANANTHARAM	Maktha Anantharam	Yadadri Bhuva	Maktha anantharam Mandal, Bibi nagar, Yadadri Bhuvanagiri District, Telangana	Vishnu	9912643753	200	DR.SV Ramaraju	8905412080	6	10	43
4	ANGANWADI PILLALMARRI	Suryapet	Nalgonda	Pilalamarri Mandal, Suryapet, Nalgonda District, Telangana, Pin code 508376	Venkat	9052065065	20	Ramana Somgan	9705486082	1	0	43
5	SARASWATHI SHISHU MANDIR	Kushaiguda	Hyderabad	Gandhi nagar, VN Reddy Nagar Colony, Kushaiguda, Secunderabad District, Telan	Vishnu	9912643753	300	Radhika ma'm	8555946947	12	0	43
6	VIRJA NANDA HIGH SCHOOL	Kavadiguda	Hyderabad	Arya Samaj Mandir, Kavadiguda, Hyderabad District, Telangana - 500080 (Near A	Vishnu	9912643753	350	Anjaneyulu sir	9441184503	11	0	43
7	ANGANWADI PILLALMARRI	Maktha Anantharam	Yadadri Bhuva	Maktha anantharam Mandal, Bibi nagar, Yadadri Bhuvanagiri District, Telangana	Vishnu	9912643753	20	Kanka Durga ma	8678348403	1	0	43
	Total						1410			47	40	

Total   **1410**   **47**   **40**

Objective:

1. Keeping the Positive outcomes from the FY 2022-23, the organization has decided to continue the Digital Education Schools initiative and significantly increase the number to 7, 5 Schools and 2 Anganwadi thereby benefiting the more children in the Fy 2023-24..
2. In the next year we are planning to set up **20** schools.
3. **Provide high-quality free** education in remote, rural, tribal, and socio-economically disadvantaged areas.
4. Offer audio-visual digital content to enhance comprehension and practical understanding—acting as a substitute for physical labs.
5. Facilitate remote student evaluation by government officials from anytime and from anywhere.
6. Support English learning through digital content.
7. Setting up virtual physical teachers -Setting up **interactive** digital equipment (Digital TV, internet connection, web Camera, mike, keyboard, mouse, Android box).

Program Activities and Execution:

- **Interactive** digital equipment (Digital TV, internet connection, web Camera, mike, keyboard, mouse, Android box) installed in all classrooms. (list of school is already listed in the table above).
- This effective and economical model of Digital classroom was developed over several years of experimentation.
- The students are provided with online *Audio Video* digital content with access to *academic (all academic subjects) and non-academics (life skills, storytelling, art, meditation, yoga asanas) content* thereby providing *all around education*. Training teachers to effectively use the digital classroom and access online resources

- Provided access to TSAT (State Syllabus) and DIKSHA (Central Syllabus) and access to the vast online academic and non-academic content.
- Addressing teacher **shortages** in rural areas by enabling other teachers and students to start online classes and facilitating remote teaching by virtual teachers
- Providing virtual teachers where needed to supplement the quality of education.

- Enabling remote monitoring of educational standards by government officials like DEO.

Impact and Outcomes:

- **Students:** Visual learning through digital classrooms is reported to be **six times** more effective than traditional physical classrooms.
- **Students**: Uniform learning and understanding among children, ensuring no child is left behind.

- **Students:** Improved memorization and recall of content.

- **Students**: Enhanced application of knowledge in daily life.

- **Students**: Better academic scoring and reduced examination stress.

- **Students:** Practical understanding of concepts, serving as a "poor man's substitute for practical labs."

- **Students:** Improvement in children's education is reflected in grading.

- **Students:** Improved attention, focus, and classroom discipline.
- **Students:** Enhanced English language learning.

- **Teachers**: Broadened teachers' professional knowledge.
- **Teachers:** Teachers have access to a vast amount of online content beyond TSAT and DIKSHA.
- **Virtual Teachers**: Enabled global access to classrooms via the internet.
- Increasing educational opportunities for the children-Virtual Teachers-**Teach from the world.**
- **Digital bridge class:** To update previous class knowledge to understand the basics.
- Manage multiple classes simultaneously.

YouTube Links: (copy link and open in browser)

- Inauguration of Digital Education at Tosham: https://www.youtube.com/watch?v=KNJd1E4EmLo

- Inauguration of Digital Education at Kushaiguda: https://www.youtube.com/watch?v=r4KkzYbrNlA

- Inauguration of Digital Education at Kushaiguda and Kawadiguda: https://www.youtube.com/watch?v=bmJ_DEjt3NY

- Inauguration of Digital Education at Maktha Anantharam: https://www.youtube.com/watch?v=dr1EuW31NAI

- Digital Anganwadi classroom Maktha Anantharam

- https://www.youtube.com/watch?v=f_UuC3WHM38&ab_channel=SwashodhanTrust

- Digital Classroom-used for teaching English Grammer

- https://www.youtube.com/watch?v=CqRJp8cytck&ab_channel=SwashodhanTrust

Images of Digital education classrooms of UPS School Maktha Anantharam, Anganvadi Suryapet.

Image of UPS School Maktha Anantharam, Sri Saraswathi Shishu Mandir Kushaiguda.

Challenges:

- Finding virtual teachers remains an ongoing effort especially **TEACH from world Program.**
- **Internet Connection: t**he internet connection is better for schools. Schools took the responsibility; Internet speed was also an issue.
- Electricity problems got better with the usage of inverters.
- Limited human resources are addressed with video-based training.
- Measuring the effectiveness of the Digital education system *is work in progress*
- After-school availability and 100% equipment utilization are still in progress.
- Post-school hour's usage of digital equipment (daily use of equipment) needs permission and work in progress.

Achievements: (copy link and open in browser)

DEO Susendra sir URL link

- https://www.youtube.com/watch?v=Bl0KdTxuxc0&ab_channel=SwashodhanTrust

Conclusion: Significant increase in student beneficiaries and educational impact from last year (2022-2023).

Testimonials

- Anonymous Student, UPS School Chippalapally: "Digital Education via TSAT and DEEKSHA made learning easier and more fun. I can now understand and remember better."
- Radhika, Principal of Saraswathi Shishu Mandir: "Thanks to Swashodhan Trust and Dr. Karunakar for enhancing our classrooms with digital TVs. It has transformed student learning."

Activity 2:

Establishment of ICT Resource Centers in Educational Institutions

Date of Activity: 2023–2024
Locations: Ashram Boys High School, Tosham Village, Adilabad, Telangana and UPS School Maktha Anantharam, Bibi Nagar, Yadadri Bhuvangiri District, Telangana. And one more school list below in table

Beneficiaries: 720 students

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3	UPS SCHOOL MAKTHA ANANTHARAM	Maktha Anantharam	Yadadri Bhuva	Maktha anantharam Mandal, Bibi nagar, Yadadri Bhuvanagiri District,Telangana	Vishnu	9912641753	200	DR.SV Ramaraju	8985412890	6	10	40
	Total						720			22	40	

Total					**720**	**22**	**40**	

Objective:

To provide computer literacy and hands-on digital education through lab setups.

Keeping the Positive outcomes in view the Trust has decided to continue the previous year's Digital ICT labs and increase the number of Digital ICT labs to 3schoolsthereby benefiting the more children in the FY 2023-24.

In the next year we are planning to set up **18** ICT labs setup in 18 schools.

Program Activities and Execution:

- Establishing digital computer labs in the mentioned schools.

- Facilitating virtual teaching by setting up digital classrooms for online virtual teachers using zoom Meetings, occasionally supplemented by physical teachers.

Impact and Outcomes:

- Increased computer knowledge and practical skills.
- Increased awareness among children about essential computer skills.

- The Swashodhan Trust scaled up the number of children to ICT lab.

Challenges:

- Internet Connectivity: improved, School principal taking responsibility for getting internet connection.
- Internet speed's still an issue.
- addressing electricity problems with inverters
- Maintenance of ICT labs.
- Student engagement and staff cooperation.

Ash Boys High School   UPS School Maktha Anantharam   smt Swathi virtual computer session

Achievements: (copy link and open in browser)

- DEO Susendra sir URL link
- https://www.youtube.com/watch?v=Bl0KdTxuxc0&ab_channel=SwashodhanTrust

Conclusion: Successful scaling of digital literacy infrastructure and training.

Testimonials (copy link and open in browser)

Headmaster Mr. Nainatam Gangaram -Ashram High School Tosham

https://www.youtube.com/watch?v=979x5a_VxUI&ab_channel=SwashodhanTrust

Smt Swathi mam teaching Digital computer classes

https://youtu.be/8CJIMF_O_GA

AHS Tosham Students in computer class

https://youtu.be/OG-Gn6fosWU

Student providing Testimonial on Digital Computer class

https://www.youtube.com/watch?v=BZ-R0E8TnS8&ab_channel=SwashodhanTrust

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Activity 3:

Organization of Telemedicine Clinics and Community Health Camps

Date of Activity: 2023–2024
Locations: Tosham Village, Gudihatnoor Mandal, Adilabad District

Beneficiaries:

- 254 clinical patients for Eye camp.
- 100 received free spectacles; 13 underwent cataract surgery.

- Referrals to LV Prasad Eye Institute.

Telemedicine clinic beneficiaries

Objective:

1. To provide high quality, non-profit, low cost, primary and preventive care.
2. Utilize technology for teleconsultations and diagnostics.
3. Conduct regular health camps.
4. Eye camp.
5. Maintain electronic health records using open EMR.
6. Research

Advantages of Telemedicine clinic

Program Activities and Execution:

- Set up Telemedicine clinic.

- Staff trained in EHR documentation. Hiring a receptionist for EHR data entry and a clinician for clinical data entry.

- Employing a general practitioner to see patients virtually using the EHR for primary and preventive care.

- Customizing open-source EHR (Open EMR) for rural healthcare needs.

- Utilizing advanced diagnostic equipment like digital stethoscopes, otoscopes, and point-of-care blood tests.

- Conducting diagnostic testing (ECG 6-lead, ECG 12-lead) with rapid results and remote interpretation.

- Working towards establishing multi-specialty Telemedicine coverage with Osmania General Hospital, Hyderabad, and other institutes.

- Arranging health camps with Primary care doctors, specialist and eye doctors in Tosham clinics.

Generating healthcare reports from Open EMR for research purposes.

Impact and Outcomes:

1. Affordable, accessible healthcare.
2. Ability to provide medical consultation and care in remote locations by qualified physicians.
3. Increased patient volume without geographical limitations for physicians.
4. Increased data collection for research and continuity care.
5. **Enhanced Diagnostic Capabilities:**
   - Access to advanced diagnostic tools such as Otoscope, ECG, blood sugars, and hemoglobin poc test.
   - Real-time data transmission allows for prompt diagnosis and treatment decisions.
6. **Efficient Workflow:**
   - Use of open-source EHR (Open EMR) streamlines documentation and data management.
   - Digital records facilitate quick access to patient history and previous reports and thereby contribute to providing high quality continuity care.
7. **Collaborative Care:**

- Ability to consult with specialists across the globe for complex cases-work in progress.
- Multi-specialty Telemedicine coverage improves the comprehensiveness of patient care.

8. **Improved Patient Outcomes:**

- Rapid diagnosis and intervention, especially in emergencies.
- Early identification of conditions like visual impairment requiring spectacles or surgery.

9. **Data and Reporting:**
10. Access to electronic health records and reports for research, analysis, and quality improvement.
11. **Reduced Physical Burden:**

- Virtual consultations reduce the need for physical travel, saving time and resources.

12. **Data Collection and Research:**

- Access to valuable health data for research and program evaluation.
- Opportunities to publish findings and improve healthcare models.

13. **Cost-Effectiveness:**

- Portable diagnostic equipment minimizes infrastructure expenses.

14. Partnerships and Collaborations:

- Opportunities to collaborate with government agencies, NGO'S, and healthcare providers-ITDA, LV Prasad Eye institute.
- Potential for expanding services to other rural areas.

15. **Training and Education:**

- Opportunity to train local health workers and community members.
- Building a sustainable healthcare delivery system.
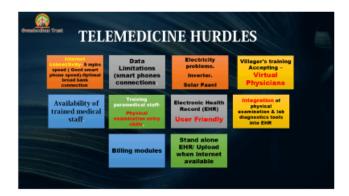

Tosham health clinic with staff   Entry form at Tosham clinic   Eye examination of patient

Banner of Telemedicine clinic

Eye examine of patient

Dr.Sampath examining of patient

Dr examines the patient

ECG machine and its recording process

Challenges:

- **Patients lack acceptance of virtual doctors**
- **Lack of Human resources in villages and trained physicians in telemedicine practice.**
- Low awareness of virtual care.
- Internet access issues.
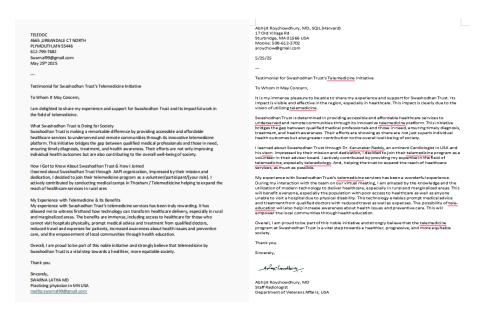

Challenges of Telemedicine clinic

YouTube Link: (copy link and open in browser)

Distribution of Spectacles
https://www.youtube.com/watch?v=hMWj3ircVIs

Achievements:

- Testimonials from Dr. Swarnalatha and Dr. Abhijit (Radiologist, USA)

Conclusion: Delivered healthcare is equivalent or better than urban standards.

Activity 4:

Facilitation of Online Summer Camp

Date of Activity: May 1 – May 31 2023
Location: Madapati Hanumantha Rao Girls High School, Narayanaguda, Hyderabad, Telangana.

Beneficiaries:

60 Students benefited from this event.

Attendance of summer camp

Objective:

- To enhance digital literacy, improve technical skills, promote empowerment, and teach diverse topics through a **virtual platform.**

- What is education, and importance of Education?

- Promote empowerment

- Teaching Yoga asana, Meditation and Bhagavadh Gita through Virtual Platform

- Career Awareness

- Vedic math's

- Health Awareness

- Sports

- Field trips

- Arts, Crafts and Music -story telling, songs, paintings

- Soft skills

- Bharosa Team -She Team

- Motivational speech

- Importance of book reading

Program Activities and Execution:

- Education Dr Karunakar reddy founding trustee of Swashodhan Trust explain how education happens by a PPT presentation of brain and mind with an analogy of computer.

- Gitopedesh classes and yoga session conducted by Kanha foundation Team.

- Arts and crafts session

    o Origami - smt Archana.

    o Songs- how to compose and sing songs -Mr. Sampath.

    o Creative writing -smt Kavya Kavitha.

- Psychology -aspects of mind session taken by smt Jyothi.

- Soft skills

    o Motivational speaker smt Manjula to give motivational speech to children.

    o Mr. Ramesh converts your potential into performance.

    o Smt Shailaja commission for women's welfare -Adolescent challenges and security and role of self.

- Sports:

    o Indoor games -chess, carrom board, board games.

    o Outdoor games- Basketball, volleyball, shuttle, Kabaddi, Coco.

    o Students from the Government college of Physical Education Hyderabad came and trained the children in outdoor games.

    o How to become an international player -Ms. Lavanya-Power lifting.

- Book reading:

    o Importance of book reading why reading is important, how it helps in gaining wide knowledge-Vande Mataram foundation -Mr. Madhav reddy.

    o How to read story books and moral stories -Ms. Kalyani.

- Career counselling:

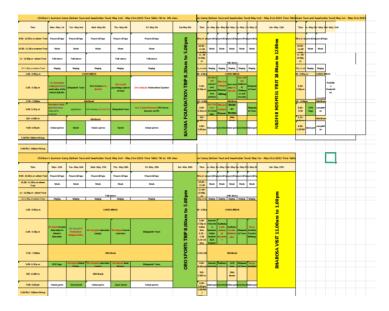   o IT children were taught about IT and IT career opportunities -Mr. Ganesh.

- o Scientist: who is the scientist, how to become a scientist, inspirational stories of a scientist.

- o How to become IPS officer-smt Lakshmi Prasanna ACP, Bharosa, She Team Hyderabad.

- o How to become Doctor /Gynecologist - smt Tanveer.

- Culture:

  - o Interaction between US and Indian children-Mr. Somesh.

- Vedic math's -Mr. Sudhakar.

- Field Trips

  - o Medical: Children were taken to Niloufar hospital, Govt Pedeatric hospital and interacted with doctors to have a first-hand experience of a doctor's life.

  - o Oro Sports Trip: A sports resort where they were educated about how sports promote qualities which are important in life. They also played different sports and fun games.

  - o Bharosa and She Team trip: The children were educated about good touch, bad touch, child abuse and were taught how to call for help. They were also shown the special court for child abuse cases.

- Self defense

  - o Mr. Vijay, Hope Team

  - o Karate

- Lunch provided to in-person attendees.

Timetable for free virtual summer camp.

Impact and Outcomes:

- The objectives of Swashodhan Trust free summer camp providing external and internal education to the children were met.

| Fecilitate with award | Students having lunch | Group photo with Bharosa police team |

Student receive appreciation letter   Student at police station having Interaction

Challenges:

- School support could have helped enhance the quality of Virtual summer camp.

- Summer heat was a challenge for outdoor sports.
- Children didn't want to leave school at the end of the program.
- I didn't get permission in Chippalapally village for summer camp so have to do it in urban areas.

- *Solution: Swashodhan Trust decided to do next year's summer camp virtually keeping its concept of digital education. This will expand the scope of more rural schools for conducting rural virtual summer camp.*

Conclusion:

Swashodhan Trust has achieved its objectives for its summer camp.

YouTube Link: (copy link and open in browser)

- Vedic Math's Taught at Madapati Hanumath School.
- https://www.youtube.com/watch?v=whU_iHGEoVs

Activity 5:

Conducting Annadanam (Free Meal Distribution) for Beneficiaries

Date of Activity: April – November 2023
Location: Government Mental Health Centre, Erragadda, Hyderabad

Beneficiaries: The Patients family coming from district to the hospital

Objective:

1. Patent families were given healthy and hot breakfast.

Program Activities and Execution:

- Working with lord welfare organization, breakfast was provided to the family of the patients who were admitted to the Hospitals.
-

Impact and Outcomes:

- Able to satisfy the hunger of patient's family

Food distribution vehicle   Queue of patient's Family for Food   Queue of patient's family for food   Food distribution to people

Challenges:

Swashodhan trust activities in digital education which is one of the main objectives of Swashodhan trust was growing and needed funding for this project.

Due to this financial constraints Annadanam project was stopped.

Conclusion:

Able to meet the objective of feeding hungry people.