Swashodhan Trust

Activity Report: 2024–2025

Overview of Organization

Swashodhan Trust is an NGO registered under 12A and 80G, set up 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.

Key Program Areas and Activities:

Activity 1:

Establishment of Digital Learning Infrastructure

Date of Activity: 2024-2025
Locations: Addition of 20 Schools, including ZPHS G DHARMAPURI Mdl:DHARMAPURI, Dist: JAGTIAL PIN: 505425, GOVT ASHRAM HIGH SCHOOL GIRLS, NERADIGONDA, DIST: ADILABAD, 504323. During the FY 2024-25, a total of 24 locations were covered under this program..

Beneficiaries: 8293 students (from Anganwadi to10 class) across newly established Digital Education school setups, an increase from 1410 students last year.

List of Digital Classrooms setup in the following Schools.

LIST OF SCHOOLS

SL NO	SCHOOL NAME	ADDRESS	DISTRICT	SCHOOL ADDRE	POINT OF CONT	POINT OF CONT	STUDENT STREN	NAME OF THE H HM	PHONE NO.	DIGITAL CLASSES	ICT LABS	SIZE OF TV
1	ZPHS MATTWADA	Mattwada	Warangal	Mattwada,Wara	Bhargava	9052065055	350	K.Aruna ma'm	9440234571	6	12	43
2	ZPHS OLD HIGH SCHOOL JAGTIAL	Jagtial	Jagtial	Near Old Bus Sta	Bhargava	9052065055	460	Anand Rao sir	9440927917	5	10	43
3	DHARMAPURI GIRLS HIGH SCHOOL	Dharmapuri	Jagtial	Dharmapuri Ma	Bhargava	9052065055	500	Srinivas sir	9440152402	7	12	43
4	ASHRAMA GIRLS HIGH SCHOOL	Utnoor	Adilabad	Opposite MPP c	Parshuram	9052065055	645	Manik Rao sir	9440097170	14	12	43
5	ASHRAMA GIRLS HIGH SCHOOL	Jaamda	Adilabad	Narnoor, Jaamd	Venkat	9052065055	300	Kailash sir	9440698993	8	12	43
6	ASHRAMA BOYS HIGH SCHOOL	Kolam Adilabad	Adilabad	Adilabad Collect	Venkat	9052065055	473	Narayena Rao sir	9603349300	13	12	43
7	ASHRAMA SCHOOL NEREDIGONDA	Neredigonda	Adilabad	Neredigonda Ma	Venkat	9052065055	640	Ashok Rao sir	9440530669	17	0	43
8	ASHRAMA BOYS HIGH SCHOOL	Kerimery	Asifabad	Hatti, Kerimery F	Venkat	9052065055	400	Panchapula ma'r	9618769265	9	12	43
9	ASHRAMA SPORTS GIRLS HIGH SCHO	Asifabad	Asifabad	KB Asifabad Dist	Bhargava	9052065055	350	Jagunu ma'm	9494306804	7	15	43
10	SARASWATHI SHISHU MANDIR	Sharada Nagar	Godavarikani	Sharada Nagar,P	Raghu Singh	8341275906	310	Sridhar sir	9866839492	10	10	43
11	SARASWATHI SHISHU MANDIR	Jawahar Nagar	Godavarikani	Jawahar Nagar,P	Raghu Singh	8341275906	200	Sumanjali ma'm	6301494696	10	5	43
12	ZPHS NAINPAKA	Chityal	Bhupalpally	Nainpaka Chitya	Bhargava	9052065055	143	R.Urmila ma'm	9585538215	2	7	43
13	SARASWATHI SHISHU MANDIR	Khagaz Nagar	Asifabad	Kumurambheem	Raghu Singh	8341275906	200	Srivani ma'm	8096472351	10	10	43
14	ZPHS MAHADEVPUR BOYS	Mahadevpur	Bhupalpally	Mahadevpur Ma	Bhargava	9052065055	295	B.Rajareddy sir	9440770424	7	10	43
15	ZPHS KATARAM	Kataram	Bhupalpally	Kataram Mandal	Bhargava	9052065055	117	Umarani ma'm	9704025129	3	10	43
16	MPUPS PANKENA	Palmela	Bhupalpally	Pankena , Palime	Bhargava	9052065055	120	K.Punnam sir	9704113614	9	8	43
17	UPS SCHOOL RAMAYYA COLONY	Ramayya Colony	Godavarikani	NTPC Ramagund	Raghu Singh	8341275906	80	Prashant reddy s	9701177950	6	6	43
18	ASHRAMA BOYS HIGH SCHOOL TOSH	Tosham	Adilabad	Tosham, Adilaba	Parshuram	7981951615	400	Gangaram sir	8008062066	10	15	43
19	UPS SCHOOL CHIPPALAPALLY	Chippalpally	Ranga Reddy	Chippalapally M	Vishnu	9912643753	120	Ramadasu sir	8499074999	6	15	43
20	UPS SCHOOL MAKTHA ANANTHARAI	Maktha Anantha	Yadadri Bhuvana	Maktha anantha	Vishnu	9912643753	200	DR.SV Ramaraju	8983412890	6	10	43
21	ANGANVADI PILLALMARRI	Suryapet	Nalgonda	Pilalamarri Man	Venkat	9052065055	20	Ramana Somgan	9705486892	1	0	43
22	SARASWATHI SHISHU MANDIR	Kushaiguda	Hyderabad	Gandhi nagar, Vf	Vishnu	9912643753	300	Radhika ma'm	8555946947	12	0	43
23	VIRUA NANDA HIGH SCHOOL	Kavadiguda	Hyderabad	Arya Samaj Man	Vishnu	9912643753	350	Anjaneyulu sir	9441184503	11	0	43
24	ASHRAMA GIRLS HIGH SCHOOL	Keslapur	Adilabad	Keslapur Manda	Parshuram	7981951615	600	Kailash sir	9440698993	16	12	43
25	ZPHS KOTHAKONDA	Kothakonda	Hanmakonda	Kothakonda Ma	Kumara Swamy	9441195707	200	Kumar swamy	9441195707	6	10	43
26	BATASINGARAM RESIDENTIAL SCHOC	Abdullapur	Rangareddy	Abdullapur Man	Vishnu	9912643753	500	V Mohan Rao	9440757610	1	15	43
27	ANGANVADI PILLALMARRI	Maktha Anantha	Yadadri Bhuvana	Maktha anantha	Vishnu	9912643753	20	Kanka Durga ma	8978348483	1	0	43
	Total						8293			213	250	

Total   8293   213   250

Objective:

1. Continuing the Positive outcomes of the previous year, the organization has decided to continue the Digital Education Schools program and expand the program to 27 Schools and Anganwadi .
2. Keeping the continued benefits this year, in the next year we are planning to scale up to **40** Digital Education Schools and 24 Digital Anganwadi centers.
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.

Program Activities and Execution:

- **Interactive** digital equipment (Digital TV, internet connection, web Camera, mike, keyboard, mouse, Android box) installed in all classrooms.
- This effective and economical model of Digital classroom was developed over five to six 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, Robotics, 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 helping 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.

- **Utilization:**
  - **Daily:** Everyday they are supposed to send pictures or videos.
  - **Monthly:** Monthly utilization form check by Swashodhan trust Team member.
  - **Annual review and Agreement renewal:** The village coordinator and administrator annual review and agreement renewal.

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 Classroom by ITDA PO Smt Khushboo Gupta.
- https://www.youtube.com/watch?v=ab8LjTtDyK8
- Virtual Digital classroom benefits of educating rural children in Arts/Non-Academic topics.
- https://www.youtube.com/watch?v=nZgIxTAPUoc&ab_channel=SwashodhanTrust

Kolam tribal school-Adilabad

Maktha Anantharam School

Ashrama Girls High School Jaamda

Ashrama Girls high school Utnoor

Ashrama Girls high school Asifabad

ZPHS School Kataram

Ash Boys High school kerrimery   MPUPS Pankena school   GSS Mandir School-Sharadha Nagar

Anganwadi Suryapet   AnganwadiMaktha Anantharam

News Article   News Article Kothakonda School

Challenges:

- **Internet Connection and Speed:** Govt and Teachers have taken the responsibility (as per the agreement) are providing the internet.
- Internet speed is still a concern.
- Electricity is no longer an issue due to inverters.
- Utilization of digital equipment is high (90-95%).
- Video training recording of Digital education helped in training of the teachers.
- Finding virtual teachers is still an ongoing effort especially **TEACH from world Program.**
- Non-availability of students' post-school hours limits non-academic activities due to regulations.
- Measuring the effectiveness of the Digital education system *is work in progress.*
- After-school availability and 100% equipment utilization are still in progress.

Achievements: (copy link and open in browser)

- Shri Rajashri Shah, Collector of Adilabad, received awards from Prime Minister Narendra Modi for his leadership in digital education and digital health, which contributed to securing the Aspirational Block Award.

- https://www.youtube.com/watch?v=BsKxvU-1trQ

- A teacher from Ashram High School, Jaamda highlighted how the digital education infrastructure is significantly contributing to district development, which played a role in recognizing Shri Rajarshi Shah I.A.S District collectorate with the award.

- https://www.youtube.com/watch?v=xJpzWhvfCJE

- Swashodhan Trust was formally appreciated for their contributions to digital education and digital health in ITDA Utnoor, as acknowledged by Shri Vasanth Rao (TW).

- The Swashodhan Trust's significant contributions to the fields of Digital Education and Digital Health have been duly recognized, highlighting their pivotal role in advancing these sectors. Shri Rajashri Shah, Adilabad Collector, has acknowledged and appreciated the Trust's efforts in driving progress and innovation within the district.

Conclusion: The aims of Swashodhan Trust were met, but noteworthy progress still needs to be made.

Testimonials(copy link and open in browser)

- English Teacher -Ashram High School Neredigonda
- https://www.youtube.com/watch?v=ki15Ej67UF0&ab_channel=SwashodhanTrust
- Principal Mr. Nainatam Gangaram --Ashram High School Tosham
- https://www.youtube.com/watch?v=979x5a_VxUI&ab_channel=SwashodhanTrust
- Principal Mr. Narayana Rao-Ashram High School Kolam Adilabad
- https://www.youtube.com/watch?v=4WgzO--0KAE&ab_channel=SwashodhanTrust
- A teacher from Ashram High School, Jaamda highlighted how the digital education infrastructure is significantly contributing to district development, which played a role in recognizing Shri Rajarshi Shah I.A.S District collectorate with the award.
- https://www.youtube.com/watch?v=xJpzWhvfCJE
- Principal smt Srivani mam-Sri Saraswathi Shishu Mandir School -Khagaz Nagar

SRI SARASWATHI SHISHU MANDIR
ADARSHNAGAR - KAGHAZNAGAR

I am Ambilapu. Srivani, I am working as a principal at Sri Saraswati Shishu Mandir Adarsh Nagar School in Kaghaznagar. Namaskaram to Sri Dr. Karunakar Reddy Sir, Managing Director of Swashodan Trust. Now adays So many changes are in the Education System. We are Using Digital Education System In Our School. Students are learning so much things in every subject concepts. Ex : In Science Subject If we want to Introduce Internal Organs Acharya Draw the Diagram and Discribed the Organ. In Social Studies also students not understand the map pointing also. But in Digitalization process students easy to learn these subject knowledge. In our school we are conducting Computer classes also to all classes. Using this Technology we are Improving present percentage and pass percentage of Our students. Thank you for giving this opportunity to our school. From Vidyapeetham, Prabhandhakaarini, School Acharyas and parents a big thank you to swashodan trust managing director sri doctor karunakar Reddy garu.

H.M
A . SRIVANI
8096472351

HEAD MASTER
SARASWATHI SHISHU MANDIR
KAGHAZNAGAR, ADARSHNAGAR

Activity 2:

Establishment of ICT Resource Centers in Educational Institutions

Date of Activity: 2024-2025
Locations: ZPHS G DHARMAPURI Mdl:DHARMAPURI, Dist: JAGTIAL PIN: 505425 and 21 Schools.

Beneficiaries: 6963 Students in 21 Schools, number of Computers total used in 21 schools are listed below in table.

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	Total						6963				250	

Total   **6963**   **250**

Objective:

To provide complete IT education, teaching both theoretical and practical computer knowledge, primarily Microsoft Office.

> Keeping the Positive outcomes in view the Trust has decided to continue the previous year Digital ICT labs (3 schools) and increase the number of Digital ICT labs (18 schools) thereby benefiting the more children compared to previous year.

> Keeping the continued benefits this year, in the next year we are planning to scale up to **40** Digital ICT Labs.

Program Activities and Execution:

ICT centers were set up with **Interactive** digital classrooms in 21 schools, where virtual teacher smt Swathi Taught Microsoft Office.

Impact and Outcomes:

- Children learned computer fundamentals, components, usage, and Microsoft Office applications like paint, Word, and Excel, including formulas in Excel.

Challenges:

- Internet speed is improving.
- Electricity problems are nearly resolved.
- Maintenance and sustainability of ICT labs are still a problem due to a lack of qualified trainers in remote areas.
- Encouraging consistent student engagement with new digital facilities and finding time.
- Ignorance and non-cooperation from school staff hinder IT education progress, which the Trust is addressing by educating teachers, government officials, and other organizations.

Ash Boys high school Tosham   smt Swathi mam taking virtual classes to the students.
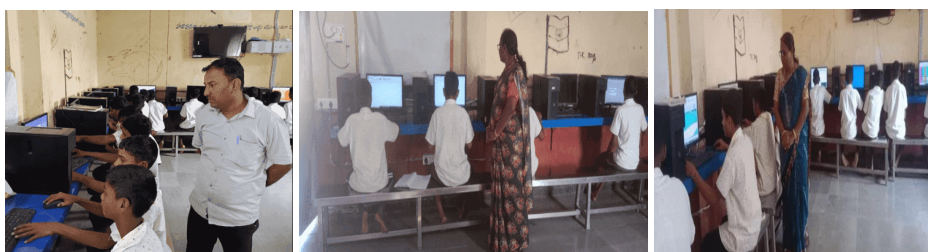
Ashrama Boys High School kerrimery-Hatti,Asifabad

Godavarikhani Saraswathi Shishu Mandir School -Sharadha Nagar

Ashrama Boys High School Kolam Adilabad

Achievements: (copy link and open in browser)

- A teacher from Ashram High School, Jaamda highlighted how the digital education infrastructure is significantly contributing to district development, which played a role in recognizing Shri Rajarshi Shah I.A.S District collectorate with the award

- https://www.youtube.com/watch?v=xJpzWhvfCJE

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- The Swashodhan Trust's significant contributions to the fields of Digital Education and Digital Health have been duly recognized, highlighting their pivotal role in advancing these sectors. Shri Rajashri Shah, Adilabad Collector, has acknowledged and appreciated the Trust's efforts in driving progress and innovation within the district. (Provided above in Activity-1 "Establishment of Digital Learning Infrastructure"

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Conclusion: The Swashodhan Trust met its aim of setting up a computer lab.

Testimonial (copy link and open in browser)

- Smt Swathi mam from Vizag teaching Digital computer classes

- https://youtu.be/8CJIMF_O_GA

- AHS Tosham Students in computer class

- https://youtu.be/OG-Gn6fosWU

- English Teacher -Ashram High School Neredigonda

- https://www.youtube.com/watch?v=ki15Ej67UF0&ab_channel=SwashodhanTrust

- Principal Mr. Nainatam Gangaram --Ashram High School Tosham

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

- Principal Mr. N. Narayana Rao-Ashram High School Kolam Adilabad

- https://www.youtube.com/watch?v=4WgzO--0KAE&ab_channel=SwashodhanTrust

- Principal smt Srivani mam-Sri Saraswathi Shishu Mandir School -Khagaz Nagar (Provided above in Activity-1 "Establishment of Digital Learning Infrastructure"

Activity 3:

Facilitation of Online Summer Camp

Date of Activity: May 06 – June 06 2024
Location: Zilla Parishad Girls High School at Dharmapuri, Jagityal, Telangana.

Beneficiaries:

40 Students received help from this event.

Objective:

- Prayer and Yoga
- Book reading session
- Career Awareness
- Vedic Math's
- Journalism
- Field trips
- Arts, Crafts and Music -story telling, songs, paintings.
- Soft skills
- Self defense

Program Activities and Execution:

1. Enhance Digital literacy:

   a) Computer basics -Mr. Anil Harikrishna, IT Dir Swashodhan Trust.

   b) Apps development-smt Sowjanya Vaddadi Principal Vidya Bharathi BHEL.

2. Prayer and Yoga:

   a) Devotional songs and yoga- Mr. Anji Reddy, Ms. Niharika.

   b) Shlokas-smt Kankadurga.

3. Arts and Music:

   a) Painting -smt Anu vydehi from UAE.

   b) Carnatic Music

      i. Ms. Durga

  ii. Ms. Kesiraju Hemasri sanskruthi.

4. Life skills

  a) Learning process and articulating thoughts-Ms. Prashanthi

5. Book reading, public speaking -Mr. Madhav Reddy, Vandemataram foundation.

6. Career counselling

  a) Career counseling -Ms. Aparna Gunjikar

  b) Career Guidance-Mr. Ganesh Yana mantra

7. Finance session - Ms. Sahithi.

8. Interactive Virtual Field Trips for career counselling

  a) IT -GPANN

  b) Medical-ENT Koti Hospital-Dr Maheshwar Reddy, assistant Professor ENT Hospital.

  c) Children virtually visited the IT company named GSPANN company to understand the IT field industry, their working culture.

9. Culture:

  a) **Interaction with UAE children** and Indian Children- smt Anu vydehi.

10. Vedic Math's and Apps development by smt Saujanya.

11. Spoken English- smt Sowjanya vaddadi Principal Vidya Bharathi BHEL.

12. Self-defense Lakshmi.

13. Journalism class session-Mr. Somesh and Team, USA.

14. Story telling (Ram katha) session -Mr. Ramababu.

15. Moral Stories session-Ms. Aparna Gunjikar.

16. Robotics-smt Saujanya.

  YouTube Links: (copy link and open in browser)

- Swashodhan Trust How to Get Rid of Mental Stress in Society

- https://youtu.be/AJ8sJ8cO7v0?si=O4IS53B_pwWwxIsl

- Swashodhan Trust. Bhagavad Gita teaches how to live righteously in life.

- https://youtu.be/KSHUb8Whubg?si=oVv8PzEh27DvsrgN

- Free Training Camp Concluded by VJ5 News

- https://www.youtube.com/watch?v=16Eig_fKPWA

- Swashodhan Trust felt happy to make robotic innovations

- https://www.youtube.com/watch?v=9H8h32PfSmk

- Swashodhan Trust full coverage of Free Virtual Summer camp

- https://www.youtube.com/watch?v=-FaxaQxv2Ko&ab_channel=SwashodhanTrus

Swashodhan Trust members at Dharmapuri   Students attending virtual class during VSC
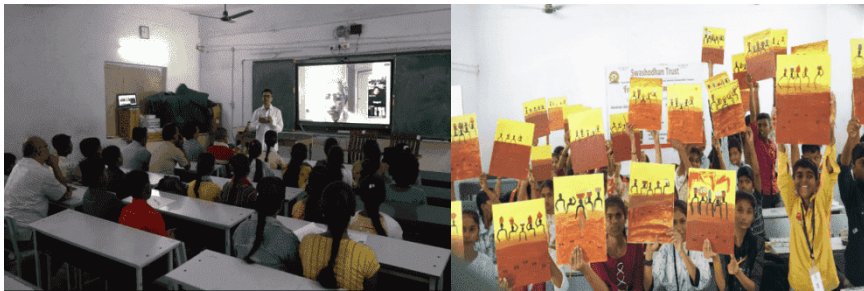
Mr.Anil sir taking class at Dharmapuri   Stud

News Articles Related to Virtual Summer Camp2024

Timetable of virtual summer camp

Impact and Outcomes:

- Children got awareness about education, learned life skills and Computer knowledge.

- Children actively take part in every activity that took place in Virtual summer camp.

- This event has encouraged Trust to scale up the number of participants in the next Virtual summer Camp.

- Enhanced Career Awareness: Students gained insights into various career options through sessions and industrial visits.

- Development of Soft Skills: Interactive activities and sessions improved communication, teamwork, and confidence among students.

- Promotion of Reading and Learning: Sessions emphasizing the importance of book reading cultivated a love for learning and curiosity.

- Holistic Personal Development: Activities such as yoga, arts, music, pottery, and child psychology sessions contributed to emotional and creative growth to the Children.

- Exposure to Real-world Environments: Field trips to industrial plants, zoological parks, and Mythological parks provided experiential learning and broader perspectives.

- Community Engagement and Awareness: Visits to local sites and participation in social awareness activities strengthens community bond and social responsibility.

- Increased Motivation and Confidence: Inspirational speeches and interactive sessions fostered self-esteem and a positive outlook among students.

- Foundation for Future Initiatives: The diverse activities laid groundwork for continued personal development, health awareness, and community involvement among children.

Challenges:

- Making the school staff and government officials understand the concept of virtual summer camp.

- Finding virtual Teacher was difficult.

- Internet issues were quite challenging.

Conclusion:

Swashodhan Trust has achieved its aims for its Virtual summer camp. Planning to Scale up to 250 students next year.

Testimonial

Letter from Dr. Vasantha Mam on virtual summer camp

Pure heartfelt words by students about summer camp expressed in letters
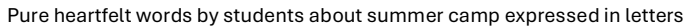
Activity 4:

Organization of Telemedicine Clinics and Community Health Camps

Date of Activity: Throughout the year, March21, March 22, Aug02
Location: Tosham Village, Gudihatnoor Mandal, Adilabad, Telangana.

Beneficiaries:

1. Clinical Patients: A total of 384 individuals who accessed the Telemedicine services and received primary, preventive, and specialized care in Tosham village. Several other people used our testing facilities available in our clinic.
2. Improper documentation of patients' visit resulted in a lower number of visits to the clinic.
3. Health Camp:
   a) EYE camp
      i. 254 patients
      ii. 100 individuals received free spectacles.
      iii. cataract surgery -13 patients
      iv. 3 patients referred to as a specialist at LV Prasad eye institute.
   b) ENT Doctor
      i. Dr Maheshwar reddy
   c) Primary care doctor
      i. Dr Sampath

4. Rural Community Members: Residents of Tosham village and surrounding villages received help from increased access to healthcare services in their villages.
5. Tele education:
   Health Awareness -10 Asha workers-Dr Swarnalatha, USA.

Telemedicine clinic beneficiaries

Objective:

1) To provide high quality, non-profit, low cost, primary and preventive care, multi-specialty, Ayurvedic and homeopathy care in Remote, rural villages of Telangana.
2) Using modern Technology to provide high quality care.
3) Conducting Health camp.
4) Eye checkups for children and others.
5) Reports on Electronic health records.
6) Research
7) Tele Education
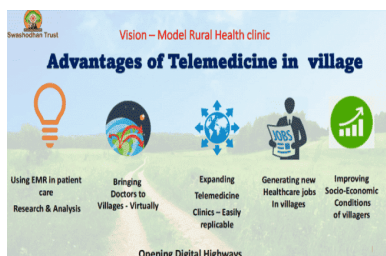
Advantages of Telemedicine clinic   Solutions is Telemedicine

Program Activities and Execution:

- A physical Telemedicine clinic was set up in Tosham village.

- A receptionist enters demographics into the EHR, a clinician enters clinical data, and a general practitioner and multi-specialty doctors sees patients virtually using EHR.

- Physician general practitioner hired by Swashodhan Trust will see the patient virtually using electronic health record.

- Advanced equipment like digital stethoscopes, otoscopes, point-of-care blood tests (hemoglobin, blood sugar), and ECG (6-lead, 12-lead) are used, with results sent to qualified doctors for interpretation thereby providing primary and preventive care.

- Efforts are underway to set up multi-specialty Telemedicine coverage with Osmania General Hospital, Hyderabad.

- Health camps with primary care doctors, specialists, and eye doctors are arranged.

- Healthcare reports are generated from Open EMR.

YouTube link (copy link and open in browser)

- Free Health Camp organized by Swashodhan Trust at Takiguda Villages.

- https://www.youtube.com/watch?v=vkaXGKfaFsE

Examination of patient Telemedicine Camps   Examination of patient Telemedicine Camps   Doctors and staff group image
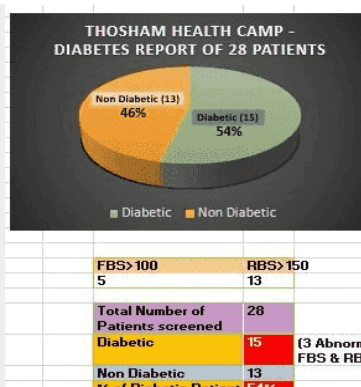
ECG machine report   Statistical representation of patient report
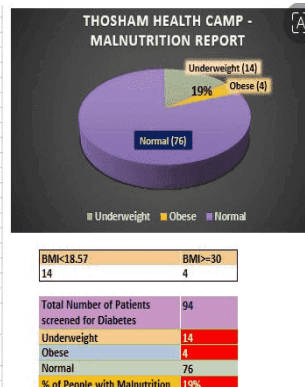
Impact and Outcomes:

1) Providing high quality non-profit health care in rural areas.
2) Ability to provide medical consultation and care to patients in remote rural areas. -***This system can be replicated in any village in india as long as they have internet connection.***
3) Non-profit low-cost health care in remote rural areas.
4) Increased patient volume to the doctors without Physical and geographical limitations for patients.

5) Enhanced Diagnostic Capabilities:

- Access to advanced diagnostic tools such as Digital Stethoscope, otoscope, ECG, blood sugars, and hemoglobin poc test.
- Real-time data transmission allows for prompt diagnosis and treatment decisions.

3) Efficient Workflow:

- Use of open-source EHR (Open EMR) streamlines documentation and data management.
- Digital records help with quick access to patient history and earlier reports and thereby contribute to providing high quality continuity care.

4) 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.

6) Improved Patient Outcomes:

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

7) Data and Reporting:

- Access to electronic health records and reports for research, analysis, and quality improvement.
- Access to valuable health data for research and program evaluation.
- Opportunities to publish research findings in National and international Journals. This will help in improving healthcare models.

8) Reduced Physical Burden:

- Virtual consultations reduce the need for physical travel, saving time and resources for the patients.
- Doctors need laptop and internet connection to see patients wherever telemedicine clinics are set up.

9) Cost-Effectiveness:

- Portable diagnostic equipment minimizes infrastructure expenses.

10) Partnerships and Collaborations:

- Opportunities to collaborate with government agencies, NGO'S, and healthcare providers-ITDA, LV Prasad Eye institute and others.

11) Tele-Training and Tele-Education:

- Opportunity to train local health workers and community members.

- Building a sustainable healthcare human resources requirement and delivery system.

- **Health Awareness -Through our Tele health care system-Tele-education**10 Asha workers-Dr Swarnalatha, USA.

Tele-education to Asha workers   Dr. Swarnalatha (USA)

Challenges:

- Resistance to change from physical to virtual doctors and awareness of Importance of High-quality Health care provided by virtual doctors.

- Finding qualified and trained human resources (IT-trained, health professionals, from rural villages.

- Telemedicine doctors
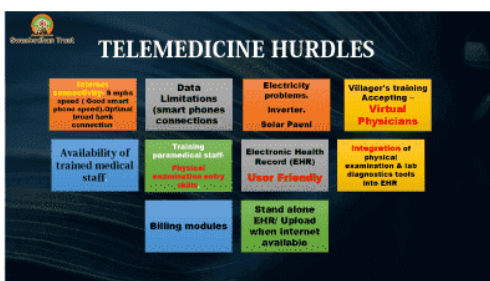
Challenges of Telemedicine clinic

Achievements:

Letter from Dr Abhijit sir, Dr Swarnalatha Mam and Dr Sumalatha Mam on Telemedicine Clinic

- Swashodhan Trust was formally appreciated for their contributions to digital education and digital health in ITDA Utnoor, as acknowledged by Shri Vasanth Rao (TW). (Provided above in Activity-1 "Establishment of Digital Learning Infrastructure"

- The Swashodhan Trust's significant contributions to the fields of Digital Education and Digital Health have been duly recognized, highlighting their pivotal role in advancing these sectors. Shri Rajashri Shah, Adilabad Collector, has acknowledged and appreciated the Trust's efforts in driving progress and innovation within the district. (Provided above in Activity-1 "Establishment of Digital Learning Infrastructure"

Conclusion:

- Providing high-quality non-profit health care in rural areas and improving health care in urban areas is not progressing as quickly as the trust expects due to the challenges mentioned above.

- To address this, Swashodhan Trust is working to educate patients about the importance of virtual doctors in delivering high-quality health care.

- The trust also trains local human resources to meet the healthcare needs of the community-Tele-Training and Tele-education.

- Additionally, Swashodhan Trust is collaborating with local medical officials to promote telemedicine healthcare services.

Activity 5:

Purchase of Digital Handheld X-Ray Equipment for Rural Healthcare Services.

Date of Activity: March 13 2025
Location: TB office RIMS Adilabad, Telangana

Beneficiaries:

Hand-held Portable X-ray Used for Screened TB Carebodies test()

Date	Place	Number of x-rays	Normal	Abnormal
13.3.2025	OTC	22	21	1
18.3.2025	Gudihatnur	37	35	2
19.3.2025	Gudihatnur	41	39	2
20.3.2025	Utnoor-Gadiguda	38	34	4
21.3.2025	Gudihatnur-Utnoor	40	37	3
22.3.2025	Gadiguda-PHC	38	30	8
24.3.2025	OTC	20	18	2
25.3.2025	Utnoor	54	53	1
26.3.2025	Gudihatnur	50	48	2
27.3.2025	Gudihatnur-Sirsonna	42	34	8
29.3.2025	Gudihatnur-Utnoor	136	125	11
14.3.2025	Gudihatnur-Utnoor	54	48	6
2.4.2025	Utnoor-Bela	73	65	8
3.4.2025	Masula-X-Bda (Gudihatnur Village)	54	52	2
5.4.2025	Utnoor-Bela	73	69	4
7.4.2025	Utnoor-Gargaila	33	33	0
8.4.2025	Utnoor-CHC	42	35	7
9.4.2025	Jhari-PHC	56	45	11
10.4.2025	Jhari-PHC	32	29	3
12.4.2025	Gudiha-Hatticunda	32	27	5
15.4.2025	Gudiha-Narpot	45	41	4
17.4.2025 & 24.4.2025	Ta Gandi-bbeda	46	44	2
25.4.2025	Gulmadugu	36	32	4
26.4.2025	Utnoor	55	48	7
28.4.2025	Landsangvi	58	52	6
29.4.2025	Gurmanu	45	40	5
30.4.2025	Down Rehabilitation Center	29	29	0
2.5.2025	KRK Colony-Old Age Home	37	34	3
3.5.2025	PHC Gabbu	51	45	6
5.5.2025	Sa bbeda-Bishnapur	45	40	5
6.5.2025	Old age Home -Gadiga	35	32	3
7.5.2025	Kama-Girona	52	47	5
9.5.2025	Gudeon-bbeda	42	39	3
10.5.2025	Bellan Jahstha	42	38	4
12.5.2025	Laban-Anol	42	38	4
13.5.2025	Gudeon-bbeda-Uchhonowola	20	18	2
23.5.2025	Gudihatnur-Utnoor	50	44	6
24.5.2025	Nadimpally-Ta bbeda-Jah	46	34	8
26.5.2025	Khanapur-Ta bbeda-Jah	51	47	4
28.5.2025	Nipani-Tarnei	51	39	12
29.5.2025	Sri-Gudeon-Sardoona	36	32	4
30.5.2025	Gudeon	84	64	20
31.5.2025	Jathada-Bauerhathnoor	55	44	11
	Total	**2001**	**1778**	**221**

11% of the Rural study population, NTEP study have Tuberculosis – Alarming number and needs attention as per data up to 31ˢᵗ May 2025.

Objective/Benefits:

- To provide high-quality, non-profit/low-cost, time-efficient Digital X-ray services in rural villages.

- The camera was provided to Adilabad DHMO for screening patients for the National Tuberculosis Eradication Program

- After the completion of NTEP program Swashodhan Trust will use the machine to provide services in our Telemedicine clinics.

- Features: Easy to carry (single person), Hospital PACS enabled, negative images for ortho, alternative in C-arm failure, low radiation dose (2-6mA) for patient and operator safety, adult and pediatric modes (including infants in incubators), lower dosage, less space required, lightweight (2.3kg), easy for operators, battery-operated for remote places, low operating cost, no A/C required, low maintenance, quick and back-to-back X-ray possible without conventional cassettes, no need to move patients, convenient for ICU, OT, bedside, saves doctor's time, good for medical camps.

Program Activities and Execution:

- It was provided to Dr. Sumalatha, Radiologist at RIMS hospital, Adilabad, for use in the NTEP Program at the request of DHMO.

- This initiative was recognized as one of the factors taken by the central Govt to Felicitate Shri Rajarshi Shah, IAS officer, Adilabad District Collector.
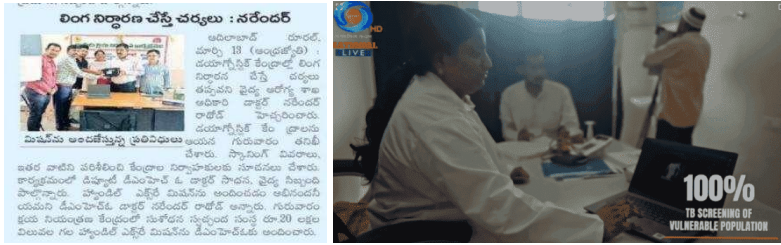

| Digital x-ray machine taking scan | Instant image in laptop | Technician taking scan of patient |

Atlas prorad portable machine   view of scanned image on laptop   Dr Narendra rathod and Dr.Sumalatha with prorad Atlas

Local newspaper coverage of Atlas   DD news coverage of Atlas prorad portable machine

Impact and Outcomes:

- Improved diagnostic accuracy and patient safety through low-dose imaging and high-resolution imaging software.

- Enhanced workflow efficiency by streamlining scheduling, image sharing, and reporting.

- Better data management and system integration with interoperable PACS solutions.

- Cost savings and resource optimization through cost-effective solutions and infrastructure upgrades.

- Elevated quality of care and patient satisfaction due to faster, safer, and more exact diagnostics and reduced waiting times.

- Modern digital X-ray allows for quick image capture and interpretation by remote physicians via Bluetooth in emergencies.

Challenges:

- Finding and training human resources to work the digital X-ray machine in rural areas.

- Possible damage to the machine is due to use in various rural terrains.
- Difficulty in maintenance due to the non-availability of service areas in rural regions.

Achievements:
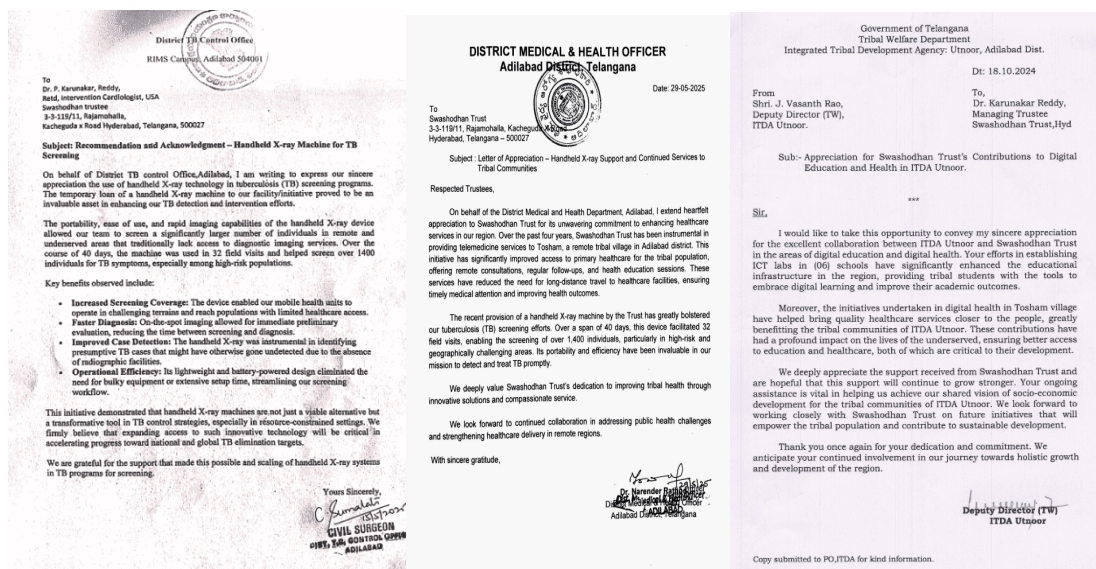
- Appreciation letter from Civil Surgeon Sumalatha Mam.
- Appreciation for Swashodhan Trust's Contribution to Digital Education and Digital Health in ITDA Utnoor-Shri Vasanth Rao (TW).
- Appreciation for Swashodhan Trust's Contribution to Digital Health -Dr Narendra Rathod District Medical Health officer, Adilabad, Telangana.

Conclusion: The portable digital X-ray machine is a valuable tool for providing high-quality healthcare in rural villages.