



ROOTCODE FOUNDATION

# ANNUAL REPORT

2025

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## PROJECT OVERVIEW

In 2025, Rootcode Foundation expanded the scope of its work by introducing a second initiative alongside its established year-long school adoption model. While the Foundation's core approach remained unchanged, the addition of the Bootcamp Program enabled it to reach new communities and deliver meaningful impact beyond the schools it adopts each year.

At the center of this work was the Rootcode Foundation Primary Program, the Foundation's year-long school adoption model. In 2025, the program was implemented at Koralaimea Soyza Vidyalaya, Polgasowita, where students and educators took part in a structured series of technology-focused learning experiences. Beyond classroom teaching, the program combined regular ICT sessions with infrastructure improvements, teacher enablement, and targeted student support to help build a more sustainable digital learning environment.



## PROJECT OVERVIEW

The new addition in 2025 was the Rootcode Foundation Bootcamp Program: a shorter, more concentrated intervention designed to reach schools that may not be suited to a year-long model due to distance, timing, or operational constraints.

Delivered over a single weekend, the Bootcamp brought together interactive learning sessions, practical exposure to digital tools, and targeted infrastructure enhancements. This enabled the Foundation to extend its reach without compromising on relevance or impact.

Across both programs, Rootcode Foundation remained guided by a simple belief: access to technology education should not be defined by geography or circumstance. By adapting its delivery models and mobilizing both volunteers and partnerships, the Foundation continued to create more inclusive opportunities for students to prepare for an increasingly digital future.



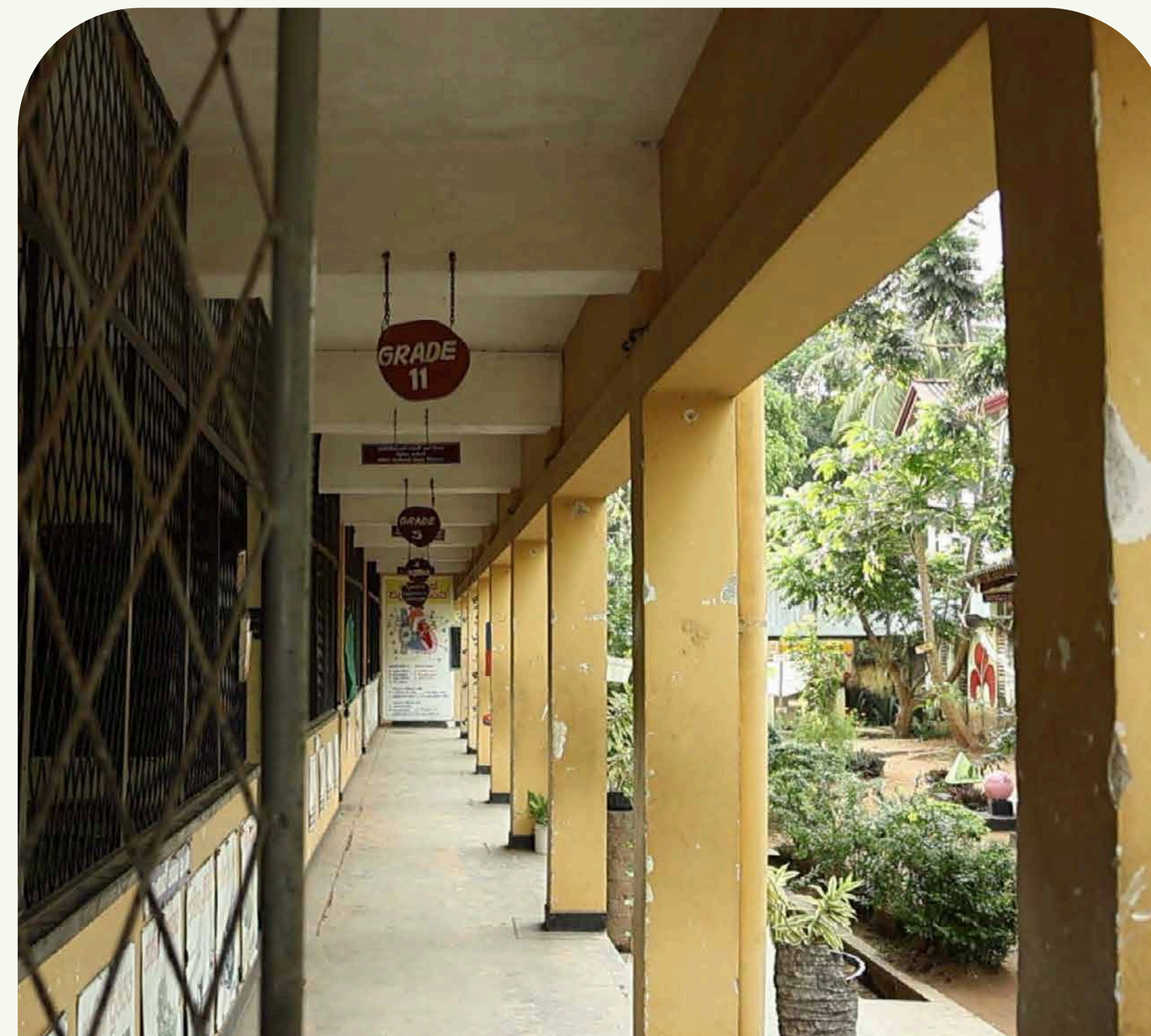
# 2025 FOCUS: SCHOOLS SUPPORTED

## PRIMARY PROGRAM



Korlaima Soyza Vidyalaya  
Polgasowita, Sri Lanka

## BOOTCAMP PROGRAM



Godagama Anagarika Dharmapala Vidyalaya  
Matara, Sri Lanka

## 2025 IMPACT AT A GLANCE

TOTAL STUDENTS REACHED

**302**

TOTAL SESSIONS CONDUCTED  
ACROSS ALL 2025 INITIATIVES

**10**

PROGRAM PREPARATION AND  
DELIVERY HOURS

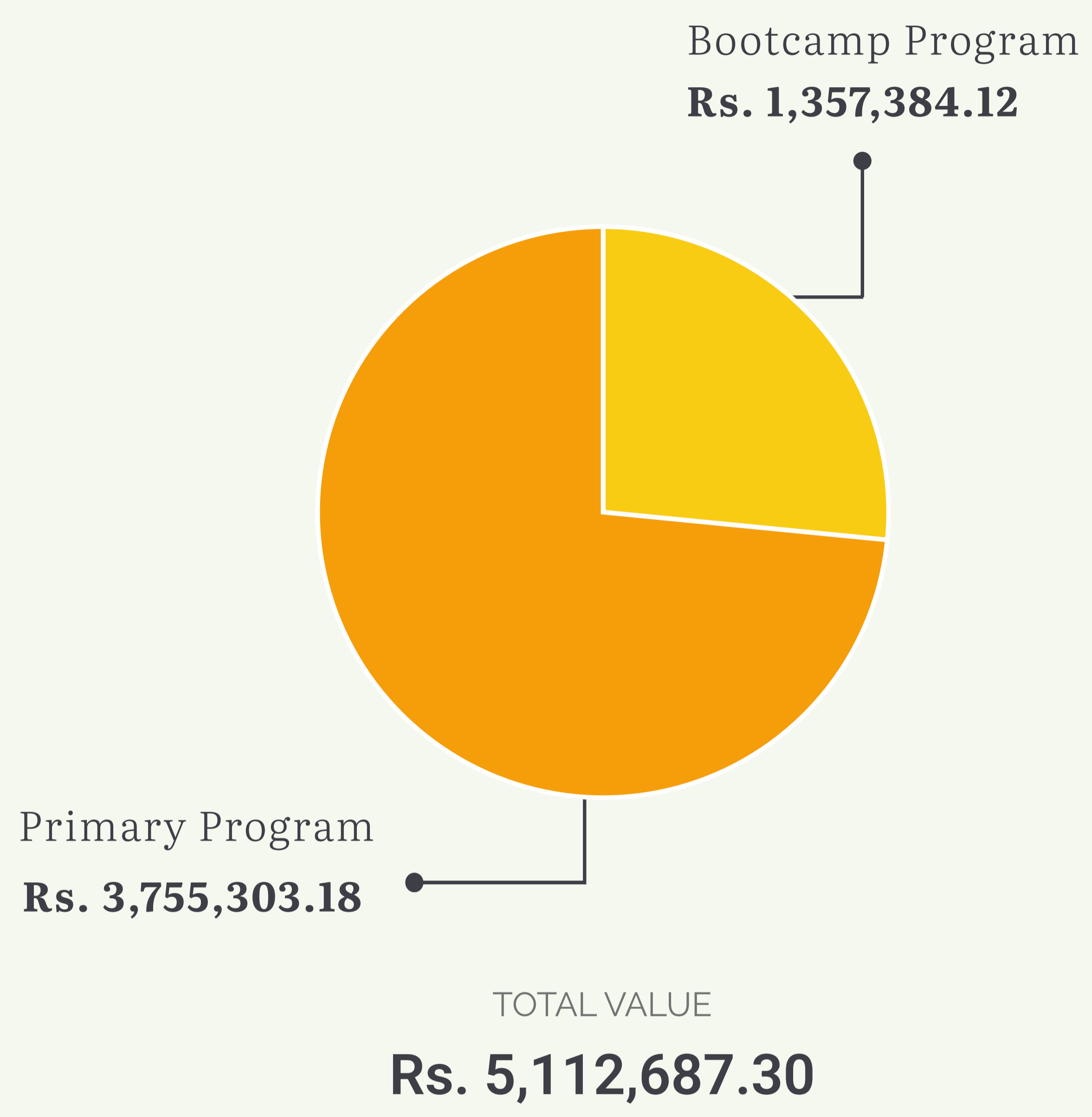
**295+**

TOTAL VOLUNTEER HOURS

**2,500+**



# PROJECT BUDGET



In 2025, Rootcode Foundation invested a total of Rs. 5,112,687.30 across its two program models. The Primary Program accounted for Rs. 3,755,303.18, reflecting the scale of the Foundation’s year-long intervention, while the Bootcamp Program accounted for Rs. 1,357,384.12, demonstrating the Foundation’s ability to deliver focused impact through a shorter format.

For a detailed breakdown of the Primary Program and Bootcamp Program budgets, refer to [page 37](#) and [page 54](#), respectively.

## ROOTCODE: WHO ARE WE?

Rootcode is a global technology company specializing in digital product engineering, artificial intelligence, and UX design. Since its founding in 2014, the company has helped organizations across more than 30 industries build and scale impactful digital products for international markets.

Rootcode Foundation reflects that same spirit of problem-solving and innovation in a social context. By applying the company's technical mindset, employee expertise, and culture of collaboration to underserved school communities, the Foundation extends Rootcode's impact beyond business - using technology to create meaningful educational access and opportunity.



## OUR MISSION

Rootcode Foundation exists to expand meaningful access to technology education for underserved school communities in Sri Lanka. By combining Rootcode's technical strengths with structured, hands-on learning initiatives, the Foundation works to equip students and educators with the skills, tools, and opportunities needed to engage more confidently with a digital future.



## MESSAGE FROM THE LEADERS

2025 marked an important year for Rootcode Foundation as the team expanded from a single intervention model to a more flexible, two-program structure. This shift allowed the Foundation to deepen impact where long-term engagement was possible while also reaching new communities through focused, short-format initiatives.

What remained constant throughout the year was the Foundation's belief that access to technology education should not depend on geography or circumstance. Through the continued support of Rootcoders, school communities, and partners, the Foundation translated that belief into practical action - from ICT teaching sessions and lab development to teacher enablement, scholarships, and student exposure to real-world technology environments.



**Alagan Mahalingam**  
Founder & CEO  
Rootcode



**Mangala Perera**  
Partner & COO  
Rootcode



**Milinda Sandaruwan**  
President  
Rootcode Foundation (2025)

## ICT EDUCATION IN SRI LANKA

Access to Information and Communication Technology (ICT) education remains key to narrowing Sri Lanka's digital divide. While progress has been made, significant gaps in digital access and skills persist between urban, rural, and estate communities.

### COMPUTER LITERACY RATE

As of mid-2025, Sri Lanka's computer literacy rate (ages 5–69) stands at 38.4%, a slight increase from the previous year. Urban areas show the highest rate at 52.1%, while rural and estate areas lag at 36.6% and 18.6%, respectively.

### HOUSEHOLD COMPUTER OWNERSHIP

Only 21.4% of households in Sri Lanka own a desktop or laptop computer. Urban ownership stands at 36.3%, while rural and estate areas fall behind at 18.9% and 5.8%. Regionally, the Western Province leads with 35.1% ownership, whereas the Northern Province records just 9.0%.

# ICT EDUCATION IN SRI LANKA

## DIGITAL LITERACY AND INTERNET ACCESS

Digital literacy- the ability to use digital tools like smartphones, apps, and online services, has reached 70.8% nationally. Urban areas report 79.3%, rural 69.0%, and estate communities 55.6%. Despite low computer access, over 60% of the population has used the internet in the past year, with mobile phones serving as the primary access point for nearly 80% of users.

These national realities reinforce why Rootcode Foundation's work is not only relevant, but increasingly urgent.

*Source: Computer Literacy Statistics 2025- Department of Census and Statistics, Sri Lanka*



# PRIMARY PROGRAM

## OVERVIEW

The 2025 Primary Program was Rootcode Foundation's year-long school adoption model, designed to deliver sustained support to a partner school through ICT learning, infrastructure improvements, teacher enablement, and targeted student support.

By combining direct teaching with practical investments and educator engagement, the program aimed to create a stronger and more sustainable digital learning environment over time.

**For a detailed breakdown of the Rootcode Foundation Primary Program Methodology, refer [Annexure 1: Project Methodology](#).**

## PROGRAM GOALS

Our goals for this program are to:

- Build digital literacy and curiosity among students through hands-on ICT learning
- Equip educators with practical technology skills to strengthen ICT teaching
- Recognize student effort and participation through scholarships
- Strengthen the school's learning environment through a dedicated computer lab
- Support school administration through the rollout of Smart School software



## SCHOOL SELECTION

The selection of Korallaima Soyza Vidyalaya, Polgasowita as the school for Rootcode Foundation's 2025 Primary Programme followed a structured, multi-stage process grounded in our established school selection methodology (Refer [Annexure 1: Project Methodology: School Selection](#)). An initial pool of 14 candidate schools was identified through recommendations from Rootcoders and academic staff at our 2024 partner school. Of these, 7 were shortlisted for further evaluation.

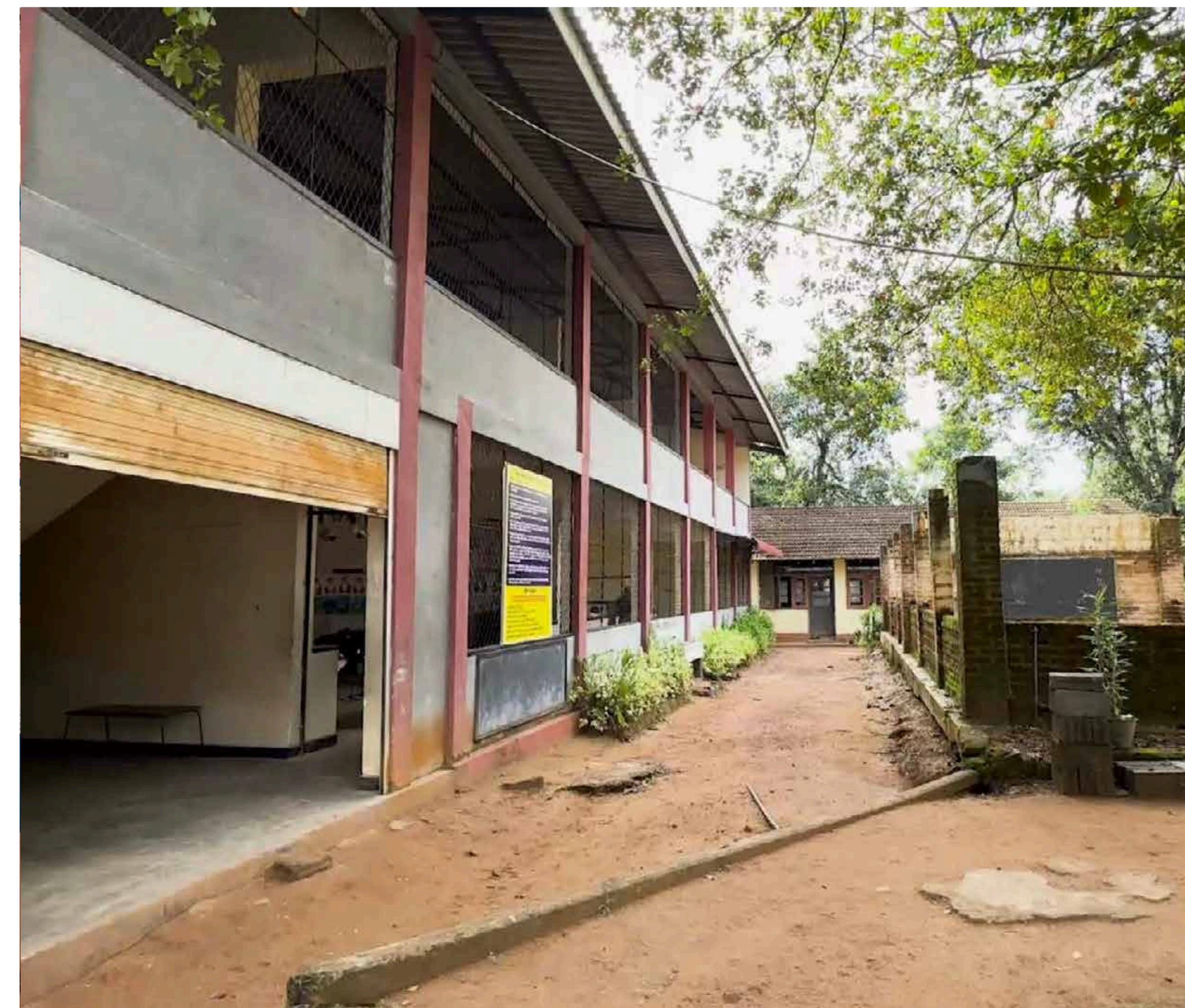
Site visits were carried out at each of the shortlisted schools to assess infrastructure, ICT capabilities, and the school community's readiness to engage in a year-long partnership. Through these visits, Korallaima Soyza Vidyalaya emerged as the most suitable choice- demonstrating not only a strong need for support, but also a remarkable commitment from its leadership and teaching staff. Discussions with the principal and educators revealed a shared enthusiasm for strengthening technology education, and a proactive approach to integrating new methods into the classroom.

The school also exhibited the foundational capacity to sustain long-term impact beyond our direct involvement. Their openness to collaboration, existing efforts to introduce ICT, and strong institutional engagement reinforced our confidence in their ability to carry forward the initiatives introduced. This holistic alignment of need, readiness, and sustainability potential made Korallaima Soyza Vidyalaya the ideal school partner for 2025.

## SELECTED SCHOOL

For the 2025 Primary Program, Rootcode Foundation selected Korallaima Soyza Vidyalaya, Polgasowita - a school community that demonstrated both a clear need for stronger access to technology education and a strong willingness to engage in long-term collaboration.

While students had limited prior exposure to structured ICT learning, the leadership and teaching staff showed strong enthusiasm for integrating technology into the school environment. That combination of need, openness, and commitment made the school a strong partner for sustained intervention and long-term educational progress.



## STUDENT PROFILE BY GRADE AND GENDER

GRADE	MALE	FEMALE	TOTAL
Grade 01	03	02	05
Grade 02	05	05	10
Grade 03	05	09	13
Grade 04	04	10	14
Grade 05	05	06	11
Grade 06	07	13	20
Grade 07	05	04	09
Grade 08	11	08	19
Grade 09	12	12	24
Grade 10	05	04	09
Grade 11	08	05	13

*\*Grade = Year*

The student group supported through the program represented a broad mix of grade levels, helping the Foundation design sessions that balanced foundational learning with age-appropriate progression.

## STUDENT PROFILE AND ACCESS TO TECHNOLOGY

The student group supported through the program reflected a balanced gender distribution, with 47.61% male students and 52.39% female students.

Baseline access to technology at home was limited. Only 10% of students reported access to desktop computers, 14% had access to laptops, and 4% had access to tablets. Internet access was also constrained: 0% reported fibre connectivity, 18% had access to Wi-Fi routers, and 82% relied on mobile data.

These findings reinforced the importance of school-based access to devices, connectivity, and structured digital learning.

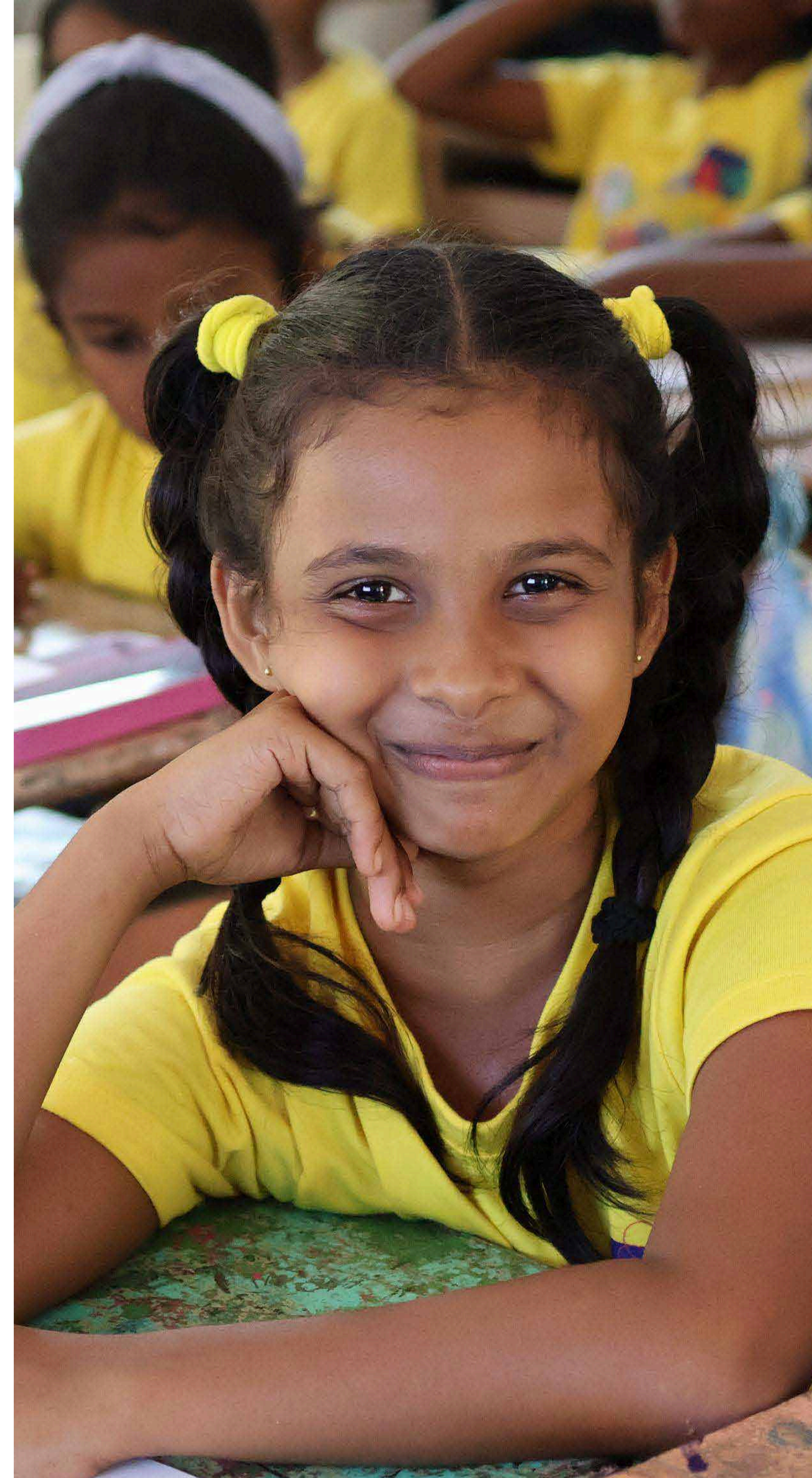


## BASELINE EXPOSURE AND ASPIRATIONS

Before the project began, students had limited exposure to formal technology learning. Only 8% reported previous IT training or coursework, and just 2% had participated in workshops or competitions.

Career awareness in technology was also low at baseline. Only 5% of students identified future goals within the IT sector, while 15% showed awareness of different career pathways in technology.

These baseline insights helped shape the Foundation's approach, particularly in designing hands-on, accessible learning experiences that introduced students to technology in a practical and relatable way.



## PROGRAM IMPLEMENTATION

At Koralaima Soyza Vidyalaya, Rootcode Foundation delivered a structured, year-long technology education program designed to create more than isolated learning moments. From the outset, the program was built around three priorities: student learning, stronger infrastructure, and teacher enablement.

Through coordinated planning and implementation, the Foundation worked to create an environment where technology education could be sustained beyond individual sessions - giving both students and educators the tools, support, and systems needed to continue learning over time.



## 1. ICT TEACHING SESSIONS

As part of the Rootcode Foundation Primary Program, 8 ICT teaching sessions were delivered across the academic year. Held on Saturdays to minimize disruption to the school timetable, these sessions were led by Rootcode volunteers who travelled regularly to Korallaima Soyza Vidyalaya, Polgasowita.

These 8 sessions formed part of the Foundation's 10 total sessions conducted across all 2025 initiatives.

As one of the core components of the program, these ICT teaching sessions were carried out in accordance with a pre-established strategy developed by the team. The structure and approach of the sessions followed this methodology to ensure consistency and continuity throughout the year (Refer [Annexure 1: Project Methodology: Teaching Sessions](#)).



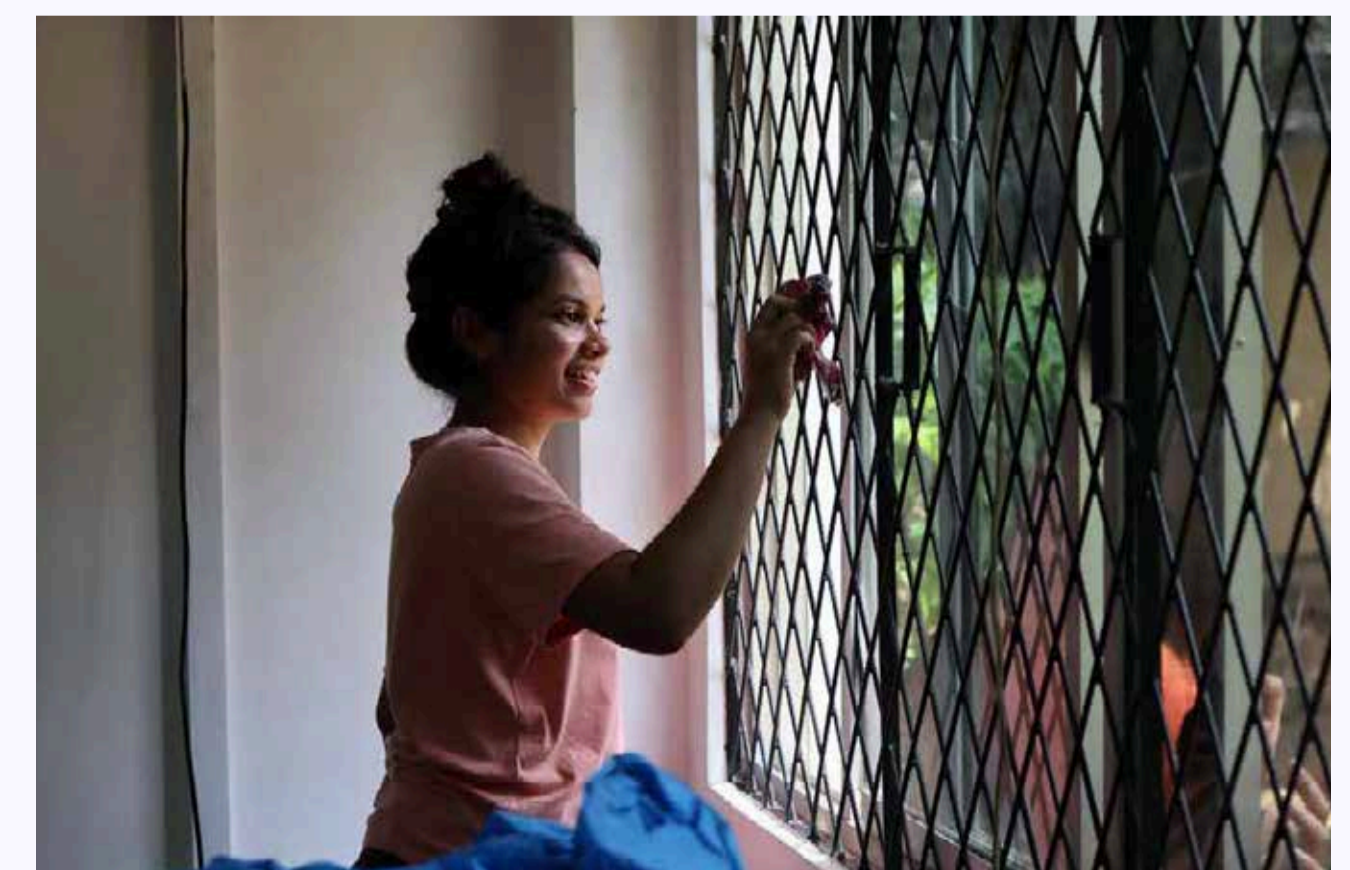
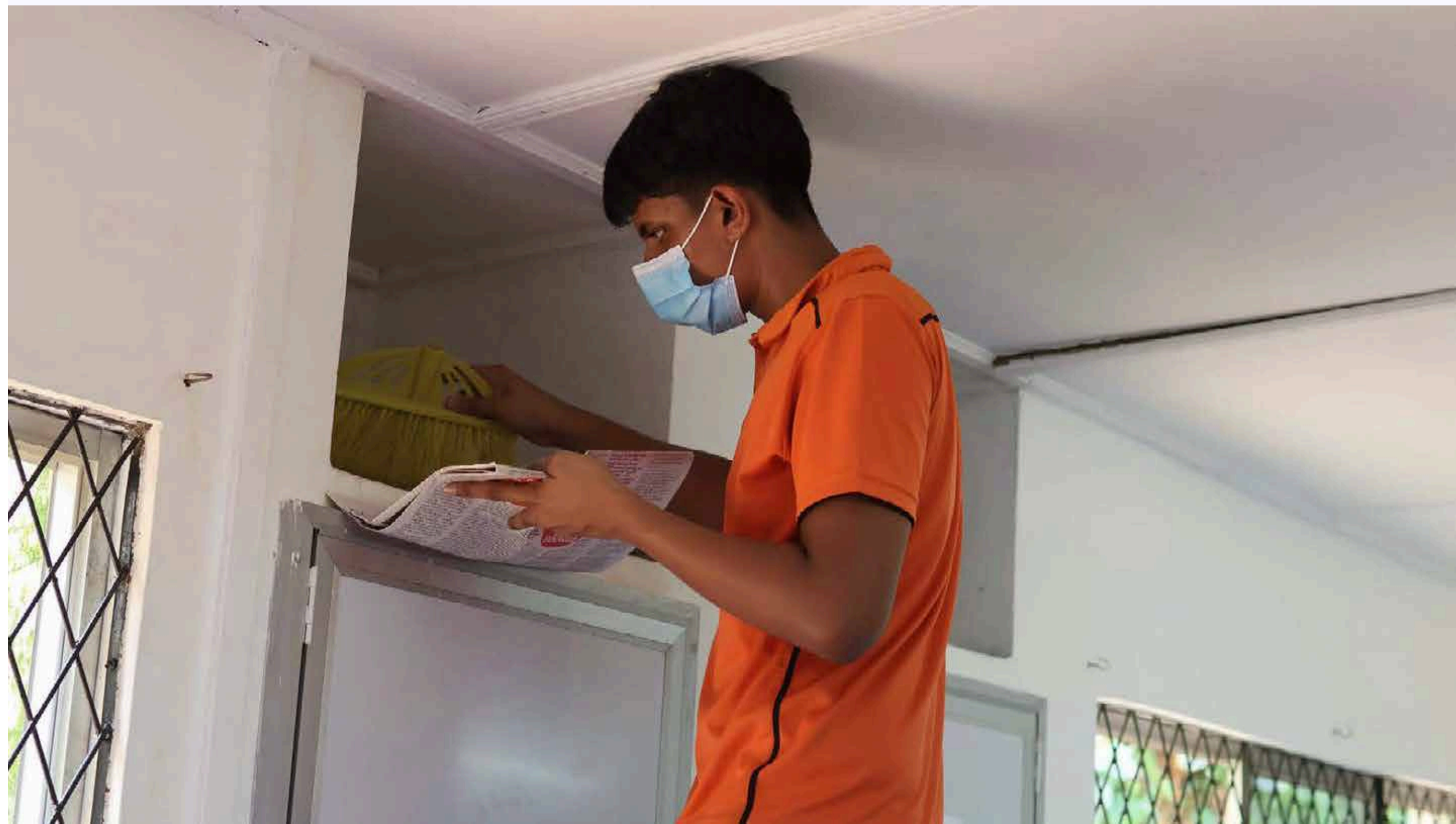
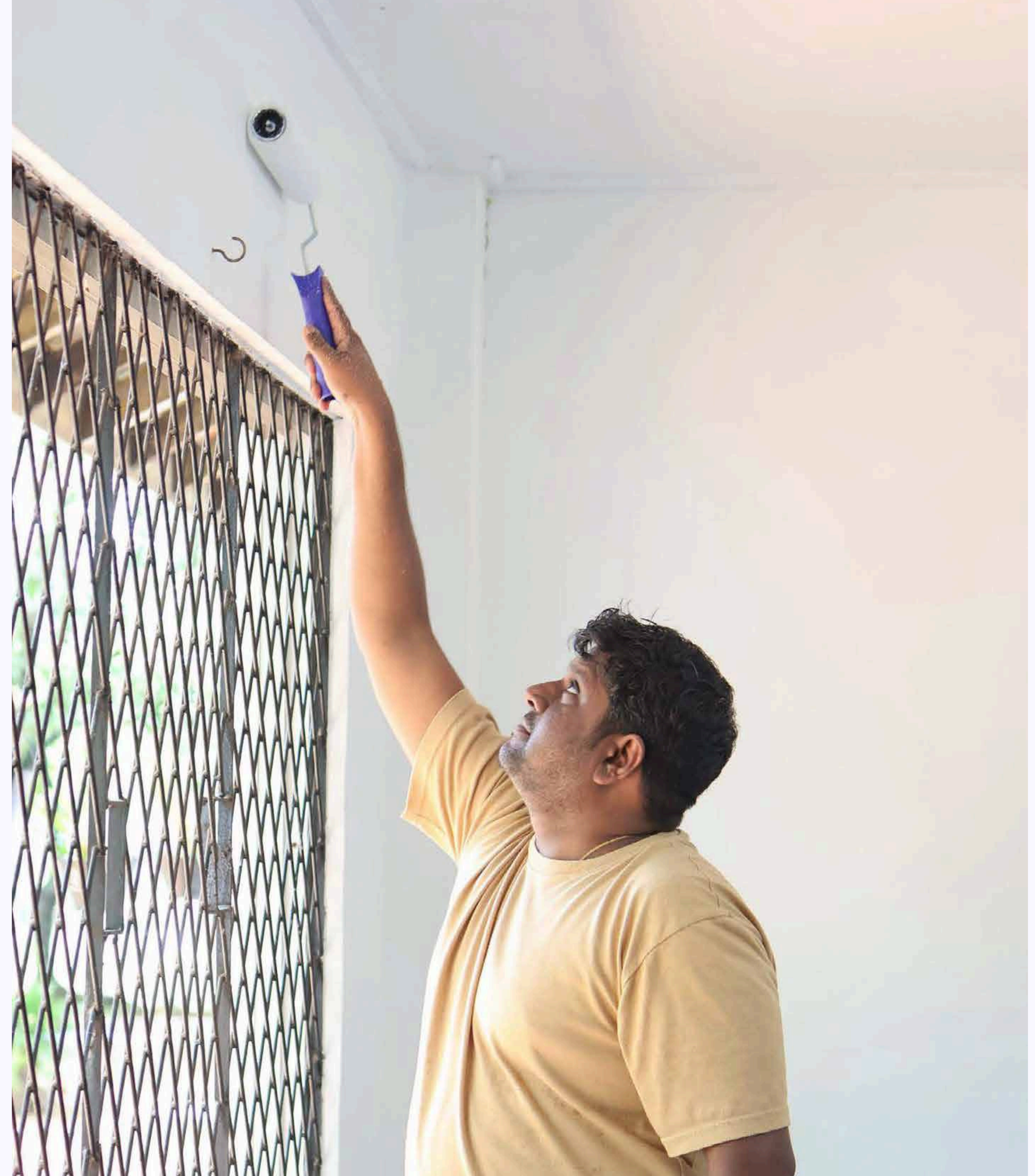
## 2. BUILDING A COMPUTER LAB

As part of Rootcode Foundation's Primary Program, a dedicated computer lab was established at Koralaimea Soyza Vidyalaya, Polgasowita, with the objective of strengthening the school's ICT learning environment. The lab was equipped with 8 desktop computers, along with the required furniture and fittings to support structured ICT teaching sessions.

To ensure reliable access to online learning resources, an internet connection was facilitated for the school. In addition, the Foundation committed to covering the internet connectivity costs for a period of 2 years, enabling uninterrupted access for both students and teachers.

Together, these investments created the school's first dedicated space for structured digital learning, improved access to devices and connectivity, and made it easier to integrate technology into everyday academic activity.





*Rootcoders volunteering during lab setup, classroom preparation, and refurbishment*

### 3. TEACHER TRAINING WORKSHOPS

Rootcode Foundation conducted dedicated teacher training workshops as part of the 2025 Primary Program to strengthen educators' ability to integrate technology into everyday teaching.

These sessions focused on the use of AI-powered tools for lesson planning, content creation, and classroom management, while also introducing smart boards and digital classroom tools. By supporting educators directly, the Foundation worked to ensure that the impact of the program would extend beyond student sessions and continue through the school's own teaching practice.



## 4. SCHOLARSHIP AWARDS

To recognize strong participation and performance during ICT teaching sessions, Rootcode Foundation awarded 45 scholarships over 12 months.

The scholarship initiative reflected a shared commitment across the company, with Rs. 300,000 contributed by Rootcode and Rs. 1,096,000 donated by Rootcoders, for a total allocation of Rs. 1,396,000.



## 5. ROBOTICS AND IOT DEMONSTRATION SESSION

To introduce students to emerging technology in a practical and engaging way, Rootcode Foundation conducted a Robotics and IoT demonstration session using STEM learning kits donated by Magicbit.

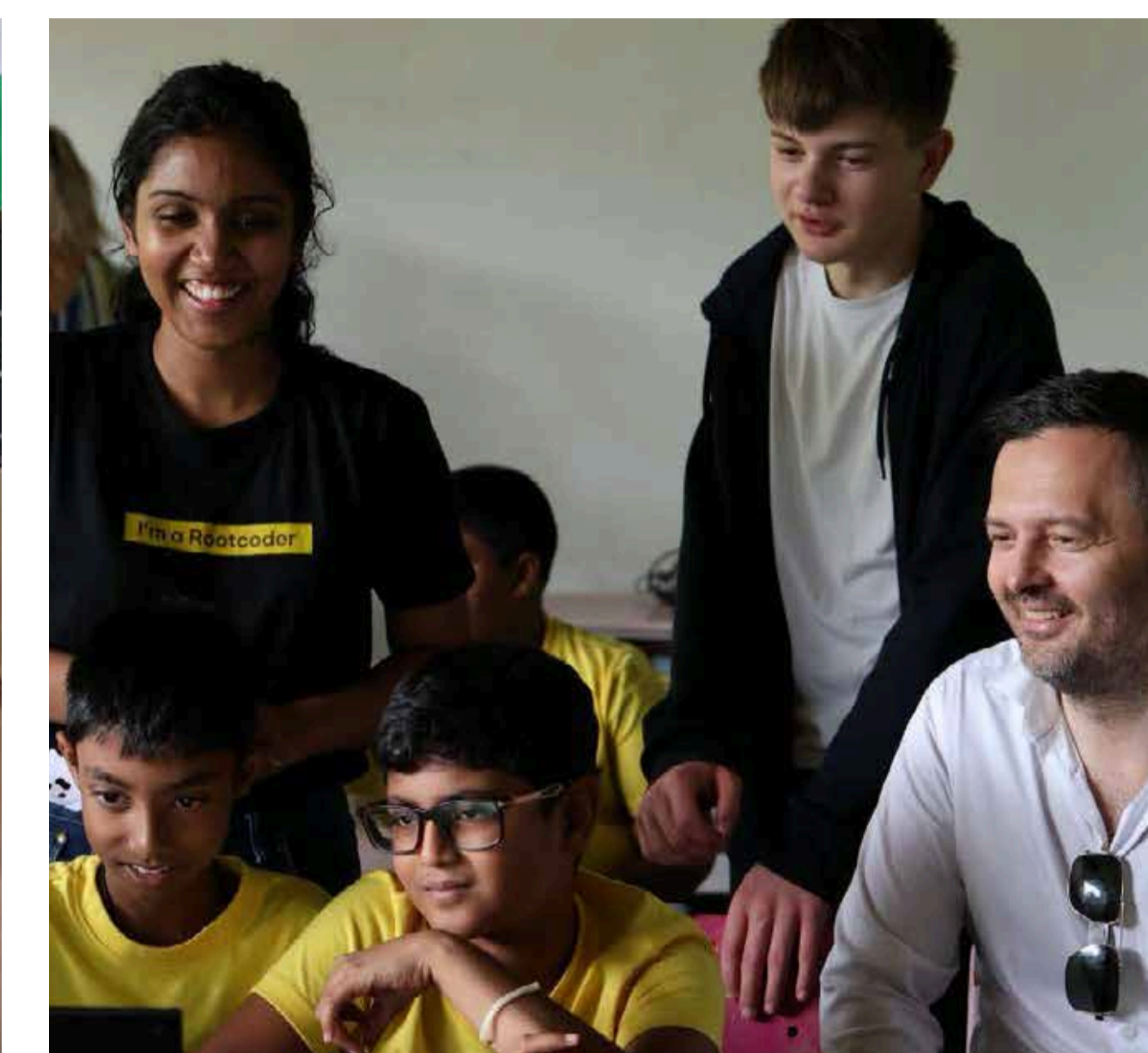
The session allowed students to interact with basic robotics and IoT components in a guided, hands-on environment, helping translate abstract concepts into real-world applications.



## 6. INDUSTRY EXPOSURE SESSION WITH ROOTCODE CLIENTS

During one of the monthly school visits, a group of Rootcode's global clients who were visiting Sri Lanka joined the team at Koralaimea Soyza Vidyalaya, Polgasowita. The clients spent the day at the school, engaging directly with students and participating in teaching activities alongside Rootcode volunteers.

In addition to classroom interaction, they took time to connect with students through informal conversations and shared activities. They also brought stationery items as gifts for the students, contributing to a memorable experience for the school community. The visit concluded with a friendly game of cricket, further strengthening the sense of connection and engagement created during the day.



## 7. ROOTCODE HQ OFFICE VISIT

As part of the Rootcode Foundation Primary Program, students and teachers from Korallaima Soyza Vidyalaya visited Rootcode Headquarters in Colombo for a first-hand look at life inside a technology company.

The visit included a guided office tour, interactive sessions led by Rootcoders, and a workplace culture session. Through both structured activities and informal interactions, students were able to connect classroom learning with real-world careers in technology.



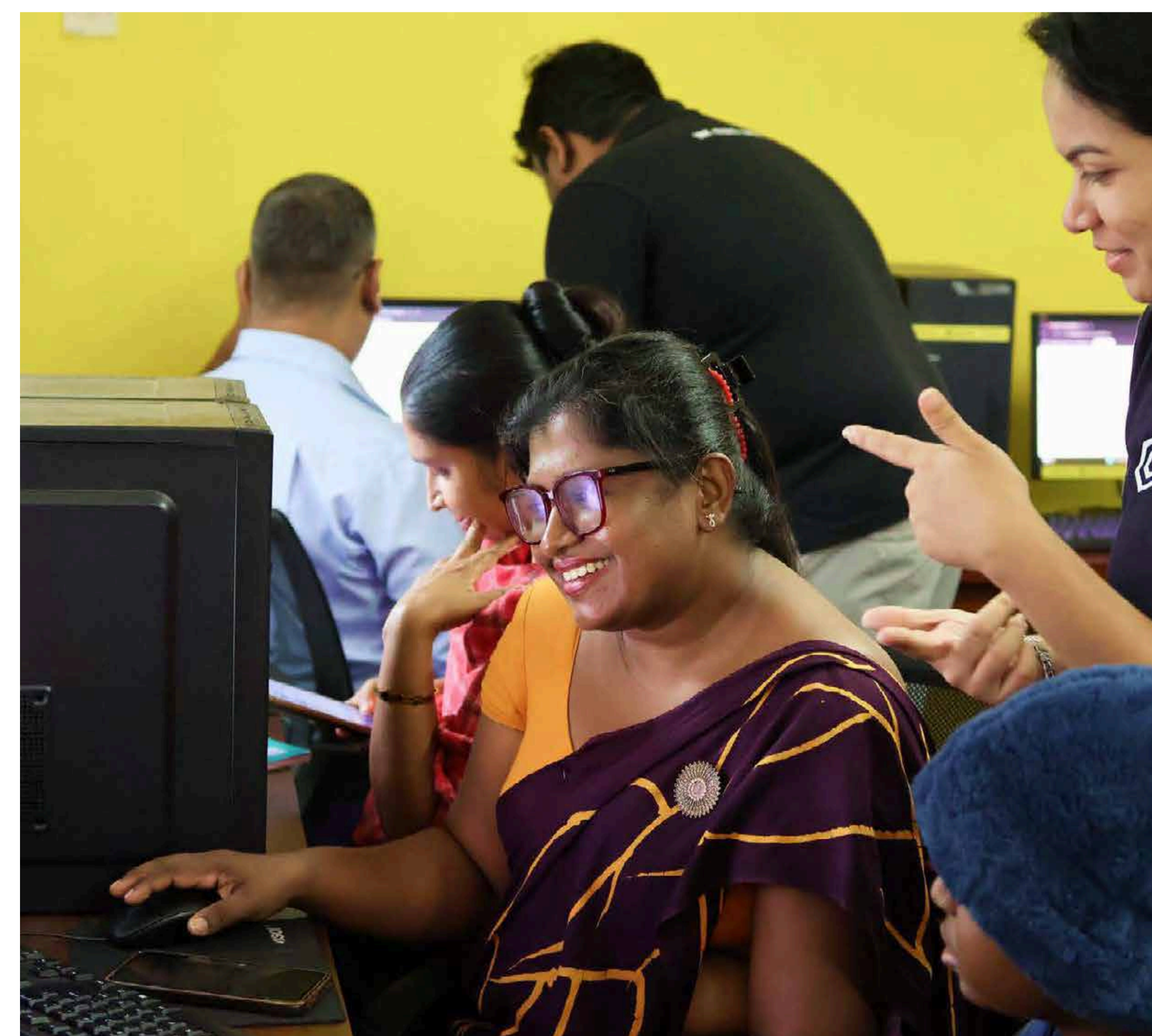


Students and teachers during the Rootcode HQ visit, where classroom learning was connected to real-world technology careers and workplace culture

## 8. SMART SCHOOL IMPLEMENTATION

Our Smart School system was introduced at Koralaima Soyza Vidyalaya, Polgasowita to support and streamline school administration processes. Smart School is a custom-built school management system designed to help educators manage key academic tasks more efficiently, including student attendance, marks entry, and report generation. The system was set up during a school visit, and individual user accounts were created for teachers to enable immediate use.

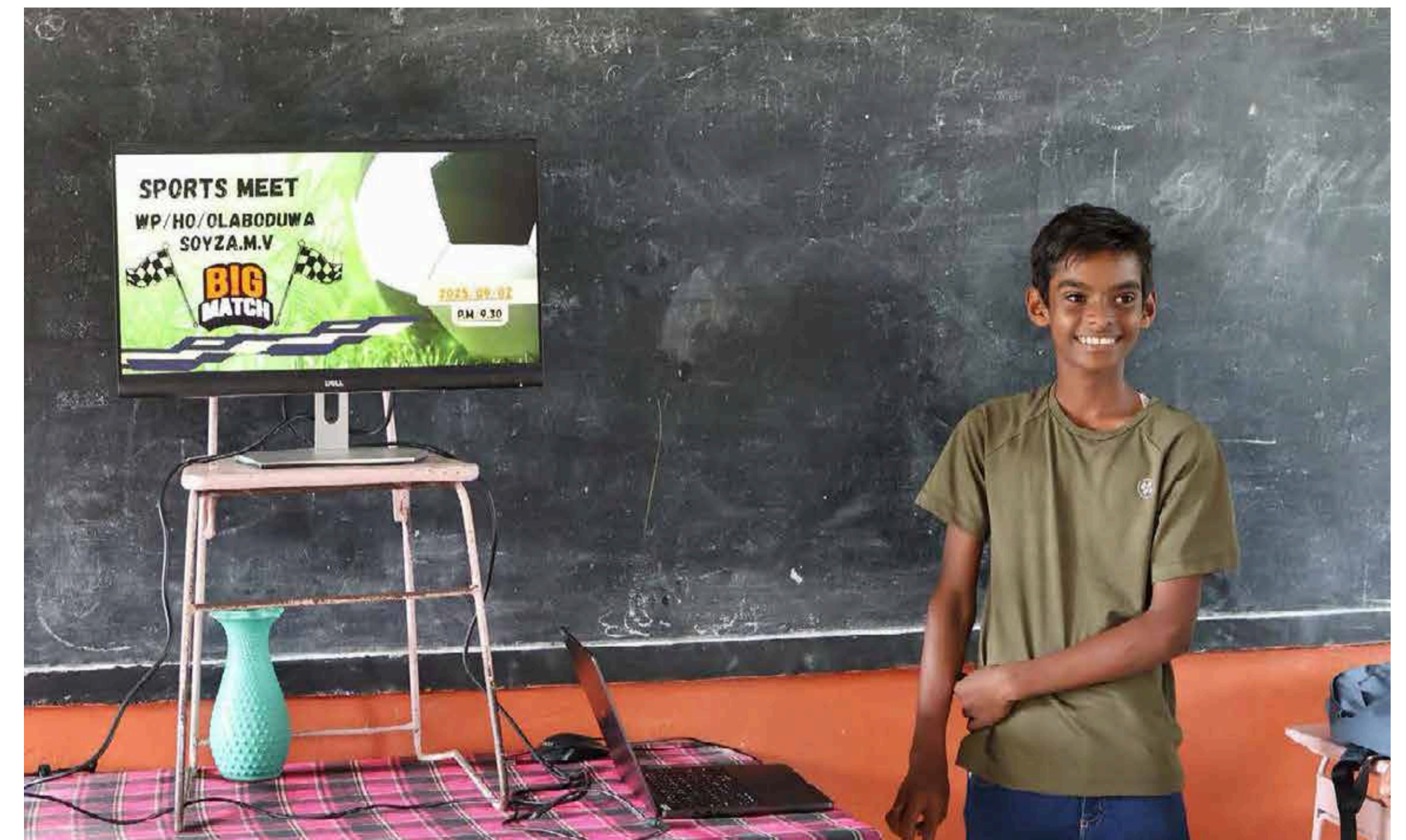
A hands-on training session was conducted to guide teachers through the platform's core features, including performance tracking, class and subject-level summaries, and report generation aligned with the requirements of the government's district examination division. By introducing Smart School alongside teaching and infrastructure initiatives, the program aimed to support educators in adopting digital tools that improve administrative efficiency and enhance their ability to monitor student learning outcomes.



## 9. OTHER INTERACTIVE ACTIVITIES

Alongside structured ICT sessions, Rootcode Foundation included interactive activities during school visits to strengthen student engagement and build stronger relationships between students and volunteers.

These activities included friendly cricket matches, quizzes, and group games, creating informal spaces for teamwork, participation, and communication.



# IMPACT ASSESSMENT

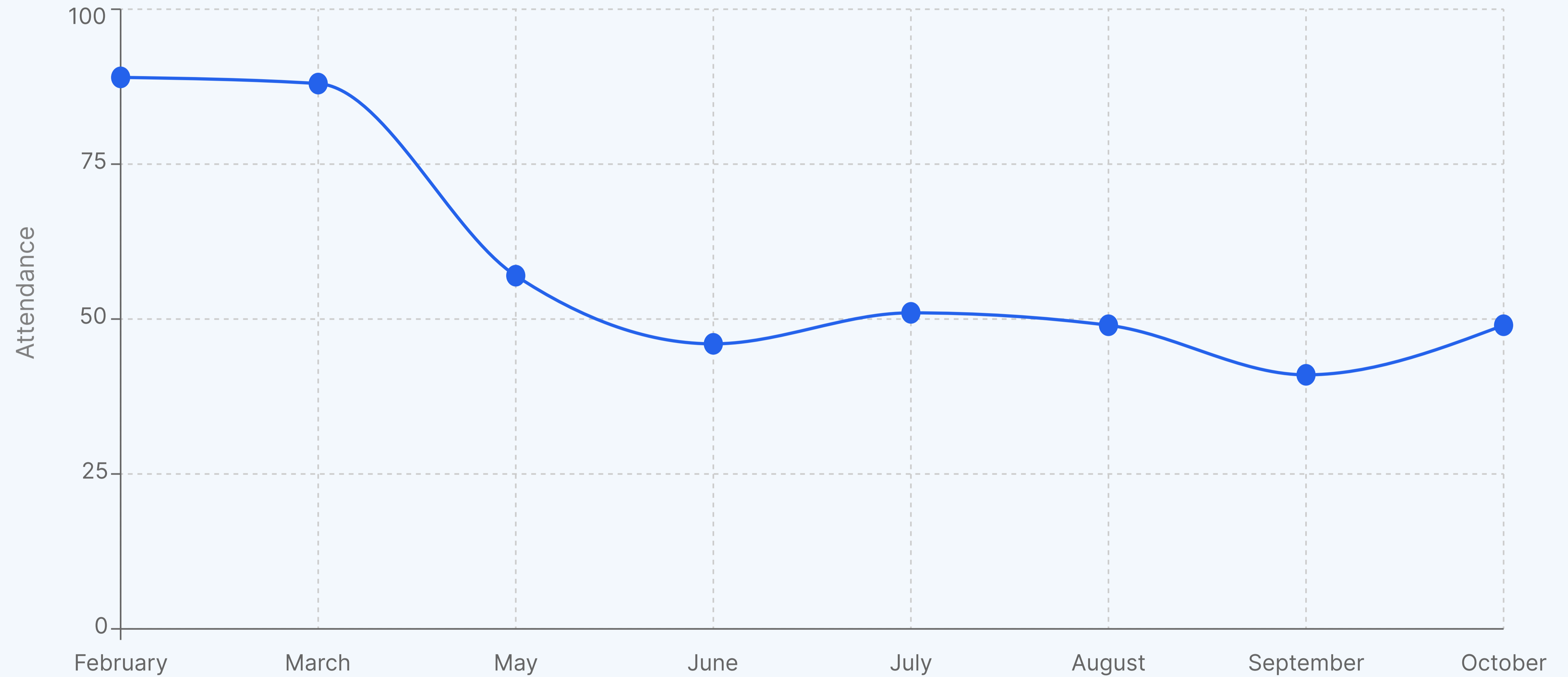
## STUDENTS' ATTENDANCE

Student attendance was tracked throughout the program as an indicator of engagement and consistency. Across the year, attendance trends helped the Foundation understand how regularly students were participating and how strongly they were responding to the sessions over time.

The results show that student engagement remained an important strength of the program and that attendance tracking provided a useful signal for maintaining program continuity and relevance.



## IMPACT ASSESSMENT



Attendance remained strongest in the early part of the program, with mid-year variation highlighting the importance of sustained engagement and follow-up.

# IMPACT ASSESSMENT

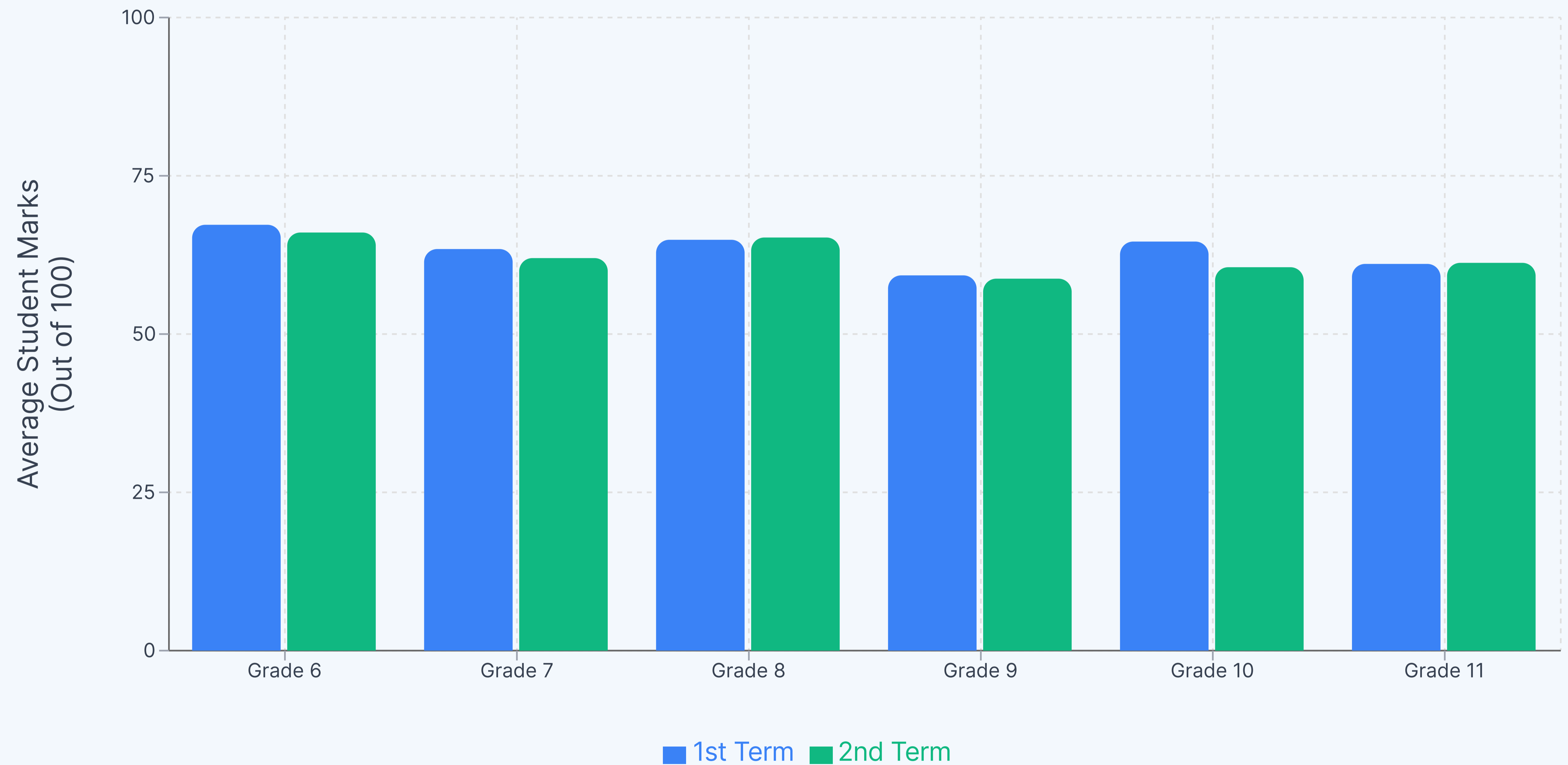
## STUDENTS' PROGRESS BASED ON GRADES

Student progress was assessed throughout the year using assignments and tests across grade levels. These assessments helped the Foundation track academic development over time and build a clearer picture of how students responded to structured ICT learning.

The results provide a useful reference point for refining future teaching strategies, support mechanisms, and learning design.



## OVERALL STUDENTS' PROGRESS



Overall progress remained relatively consistent across terms, with variation by grade indicating where future support can be more targeted.

## TESTIMONIALS AND SPOTLIGHTS

Student reflections from the program highlight how exposure to Rootcode volunteers and the technology industry helped expand both confidence and ambition

### **YESHINI KAVINDI**

*GRADE 6 STUDENT*

I'm very thankful to all the big brothers and sisters from Rootcode who came to our school every month to teach us ICT. It was something new for all of us, and we learned so much from those sessions. They helped us understand what ICT really is, and showed us the paths we could take in the future if we want to work in the tech field. To be honest, my ambition had always been to become a lawyer. But after meeting the Rootcode team and learning about the tech industry, I started to think differently. Now, I feel like I want to be just like them one day - working in the tech field and helping others just like they helped us. Thank you so much to Rootcode Foundation for giving us this experience.



## TESTIMONIALS AND SPOTLIGHTS

Student reflections from the program highlight how exposure to Rootcode volunteers and the technology industry helped expand both confidence and ambition

### **A.D.C ROHAN**

*PRINCIPAL - KORALAIMA SOYZA VIDYALAYA*

One of the biggest concerns I've often spoken to our teachers about is how we can help our students build a bigger vision for their future. Most of the time, their ambitions feel limited- as if they're boxed into a few familiar paths. That's why I believe the Rootcode Foundation's initiative has been so valuable. It opened our students' eyes to new possibilities and gave them a glimpse into what a future in tech could look like. From my time with the Rootcode team, I could see they genuinely work from the heart. I believe their greatest reward would be to one day hear a student say, "I'm here because of what Rootcode Foundation did for me." I also invite them to continue visiting our school and see how we're making the most of the resources they've provided.



## BUDGET- PRIMARY PROGRAM

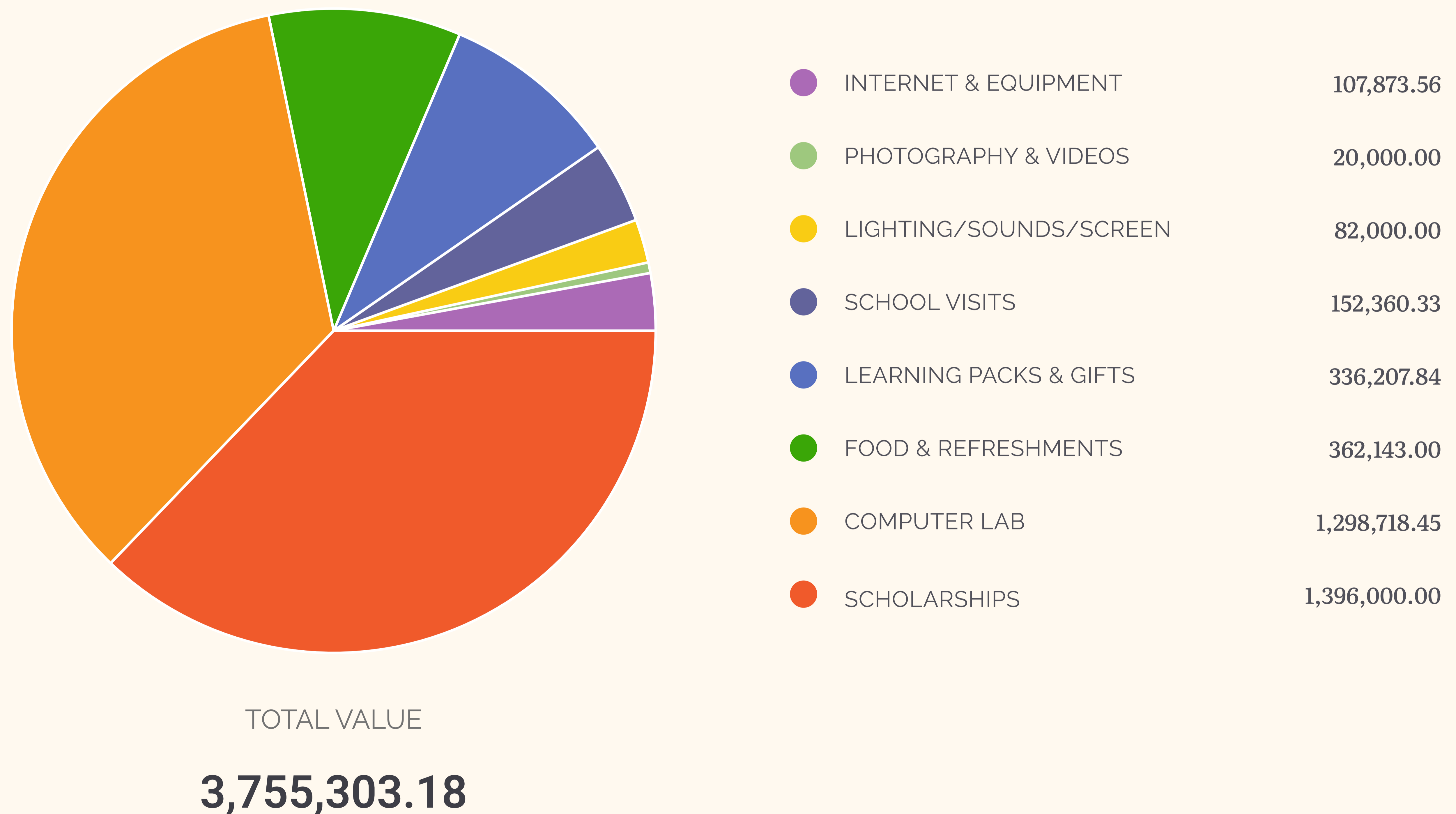
The following pages provide a detailed breakdown of the Primary Program budget, showing how Rootcode Foundation allocated resources across teaching, infrastructure, logistics, scholarships, and program delivery.

This investment reflects the Foundation's effort to combine financial stewardship with practical impact, directing resources toward interventions that strengthened access, learning quality, and long-term sustainability within the partner school.



## BREAKDOWN OF THE BUDGET FOR ROOTCODE FOUNDATION PRIMARY PROGRAM (IN LKR)

The largest share of the Primary Program budget was directed toward infrastructure, internet and connectivity, and educational delivery, reflecting the Foundation’s emphasis on both access and continuity.

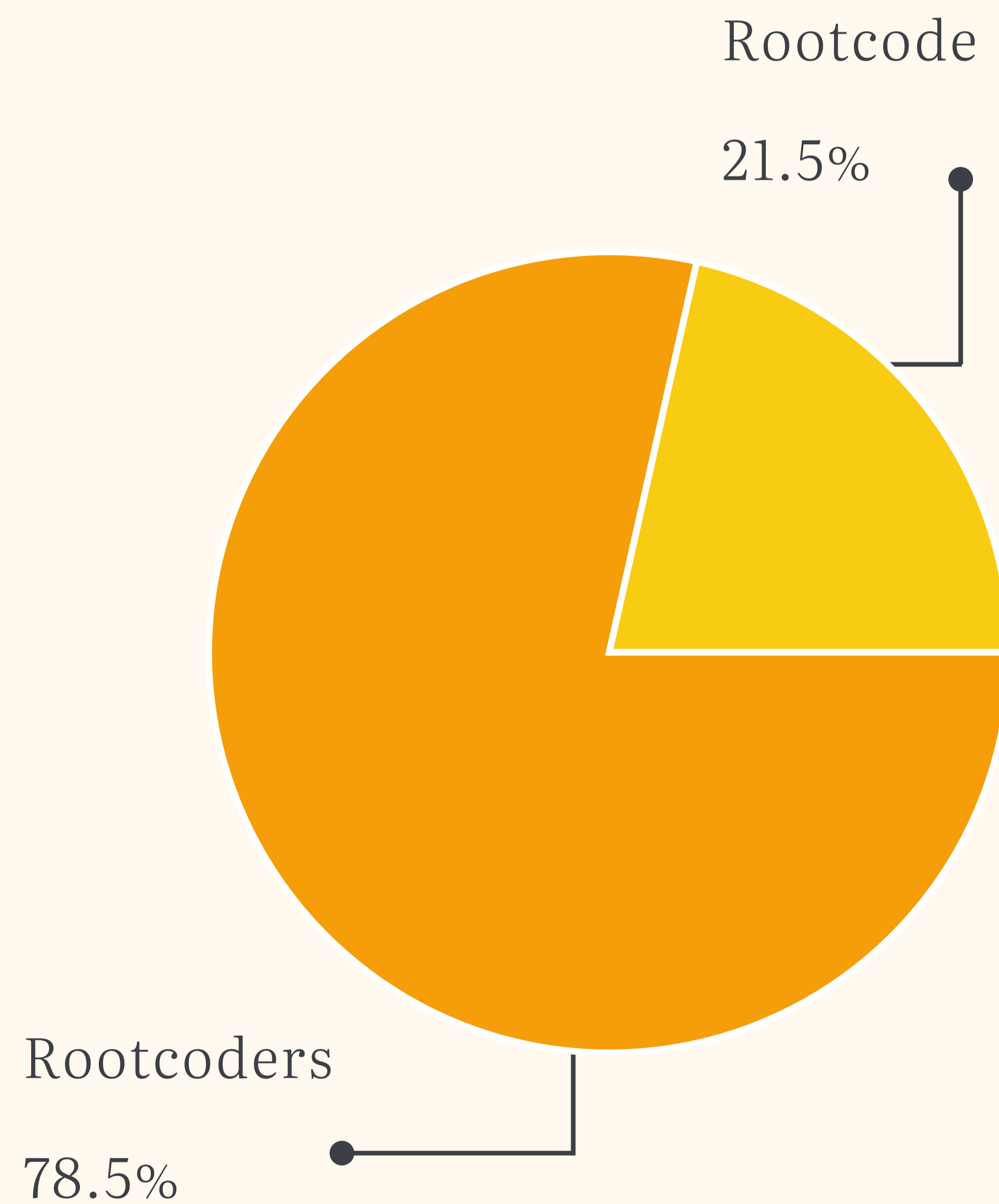


## BREAKDOWN OF THE BUDGET (IN LKR)

<b>COMPUTER LAB</b>	<b>1,298,718.45</b>	<b>SCHOLARSHIPS</b>	<b>1,396,000.00</b>
Furniture	241,611.25	Company Contribution	300,000.00
Computers	975,331.20	Rootcoders' Contribution	1096,000.00
Infrastructure	13,655.00		
Equipment & Materials	68,121.00	<b>FOOD &amp; REFRESHMENTS</b>	<b>362,143.00</b>
		<b>PHOTOGRAPHY &amp; VIDEOS</b>	<b>20,000.00</b>
<b>SCHOOL VISITS</b>	<b>152,360.33</b>	<b>LEARNING PACKS &amp; GIFTS</b>	<b>336,207.84</b>
Transport	138,384.33	<b>LIGHTING/SOUNDS/SCREEN</b>	<b>82,000.00</b>
Stationary	13,976.00		
<b>INTERNET &amp; EQUIPMENT SETUP</b>	<b>107,873.56</b>		
Internet bill for 2025 (2,846.43*4)	49,273.56		
Internet bill for 2026 (2,846.43*12)	18,000.00		
Internet Connection Setup	40,600.00		

## CONTRIBUTION FOR THE SCHOLARSHIPS (IN LKR)

The scholarship breakdown highlights the combined contribution of Rootcode and Rootcoders, reinforcing the initiative as a shared company effort



- Rootcode - 300,000.00
- Rootcoders - 1096,000.00
- Total Allocation - 1,396,000.00



## ROOTCODE FOUNDATION - 2026 PRIMARY PROGRAM

The 2025 Primary Program marked an important phase in the evolution of Rootcode Foundation's school adoption model. Building on the lessons, structure, and momentum of this year's work, the Foundation will continue its year-long intervention approach in 2026 as part of its commitment to expanding meaningful access to digital learning in Sri Lanka.



**BOOTCAMP PROGRAM**

## OVERVIEW

The Rootcode Foundation Bootcamp Program was introduced in 2025 to enable the Foundation to reach underserved schools located far away from Colombo. While the year-long school adoption model remains the primary initiative, its structure requires regular monthly visits, making it difficult to support multiple schools located further away on a sustained basis.

To address this limitation, the Bootcamp was designed as a short, high-impact engagement, bringing together teaching, infrastructure development, and digital enablement within a single 2-day intensive visit. This approach allows Rootcoders to travel to schools in more distant regions and deliver meaningful interventions without the need for repeated travel over an extended period.

The first Bootcamp was conducted at Godagama Anagarika Dharmapala Vidyalaya in Matara, marking the beginning of a complementary initiative that expands the Foundation's reach while remaining aligned with its mission to make technology education accessible to students across Sri Lanka.

## PROGRAM GOALS

Our goals for this program are to:

- Bring technology learning to underserved schools through immersive weekend sessions
- Equip educators with practical technology skills to strengthen ICT teaching
- Establish IT infrastructure rapidly by building a computer lab and providing essential digital tools
- Introduce students to the possibilities of the tech world-planting seeds for future growth
- Support school administration through the rollout of Smart School software



## SCHOOL SELECTION

The school selected for Rootcode Foundation's Bootcamp Program was identified through a focused evaluation process designed to assess both need and short-term implementation readiness.

An initial pool of 12 schools was identified through research conducted by the Foundation Core Team. From this pool, 5 schools were shortlisted and visited in person to determine which community would benefit most from a concentrated, high-impact intervention.

The selection process included a structured review of multiple rural schools. The final decision was guided by two key factors: the urgency of the school's ICT needs and its readiness to make effective use of targeted support.

With only one functioning computer available for more than 150 students, access to practical technology education was extremely limited. At the same time, the school leadership and teaching staff demonstrated strong discipline, commitment, and openness to collaboration, making the school a strong candidate for a focused intervention.

## SELECTED SCHOOL

For the inaugural Rootcode Foundation Bootcamp Program, Godagama Anagarika Dharmapala Vidyalaya, Matara was selected as the partner school based on a combination of practical, administrative, and infrastructural considerations.

The principal and teaching staff showed strong commitment and readiness to engage with the program, while the school's lack of a dedicated computer lab highlighted a clear opportunity for targeted infrastructure support. This combination of institutional readiness and specific need made the school a strong fit for the Bootcamp model.



## PROGRAM IMPLEMENTATION

The Rootcode Foundation Bootcamp Program at Godagama Anagarika Dharmapala Vidyalaya, Matara was delivered as an intensive two-day intervention on 8th and 9th November 2025. All activities were executed within this short time frame, allowing the team to deliver a focused and coordinated program.

Throughout the Bootcamp, Rootcoders worked closely with students and teachers, delivering hands-on learning while also implementing practical initiatives to support the school's longer-term use of technology. This model enabled the Foundation to create meaningful impact in a shorter format while adapting its approach to suit schools beyond the scope of the year-long Primary Program.

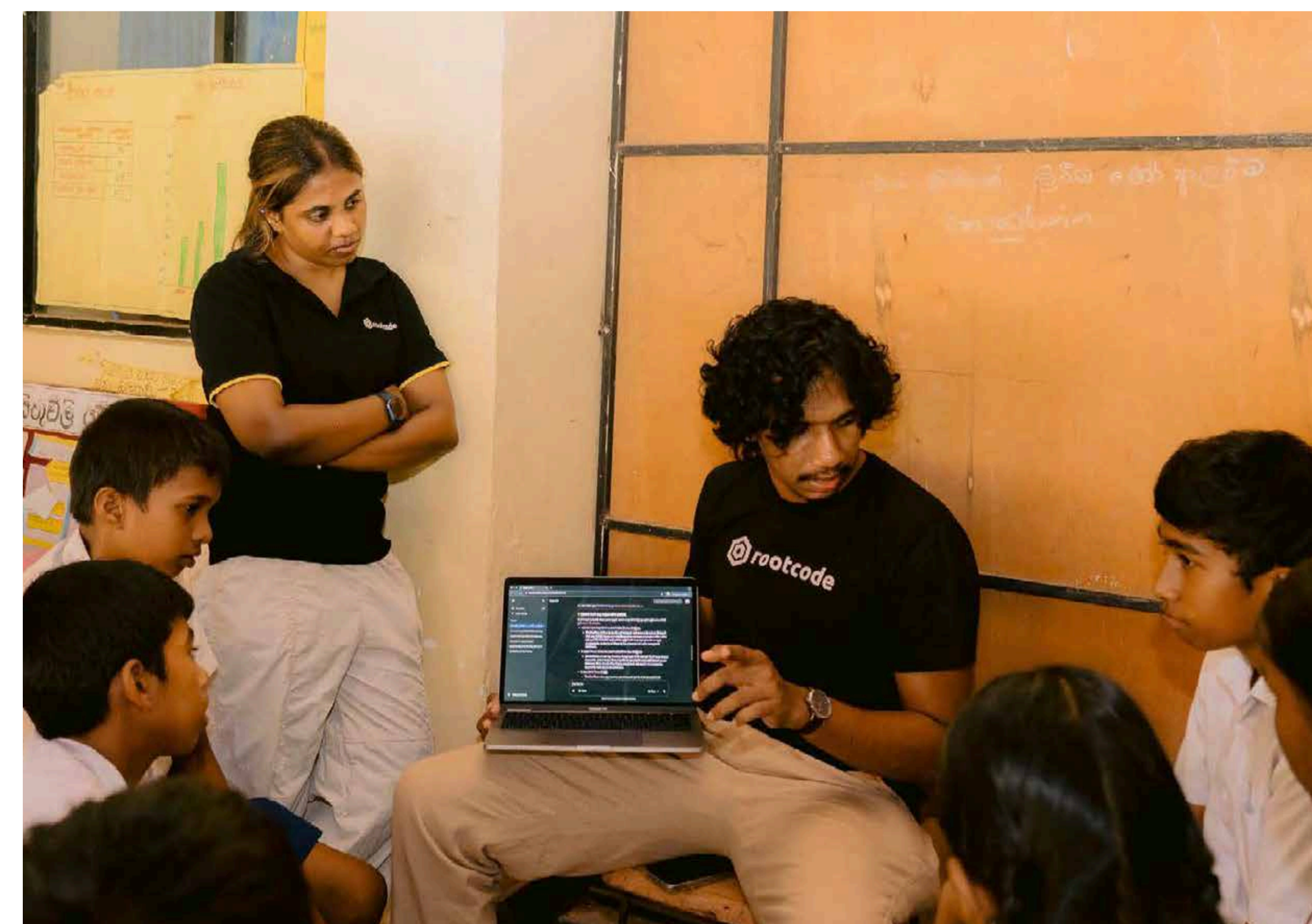


## 1. ICT TEACHING SESSIONS

Teaching sessions were delivered across both days of the Bootcamp, with Rootcoders working closely with students through a series of interactive, hands-on activities. These sessions introduced students to basic technology concepts in an engaging and accessible way, encouraging participation, curiosity, and confidence.

Rather than following a long-term curriculum, the sessions focused on practical exposure and experiential learning - giving students meaningful interaction with technology within the limited time frame of the Bootcamp.

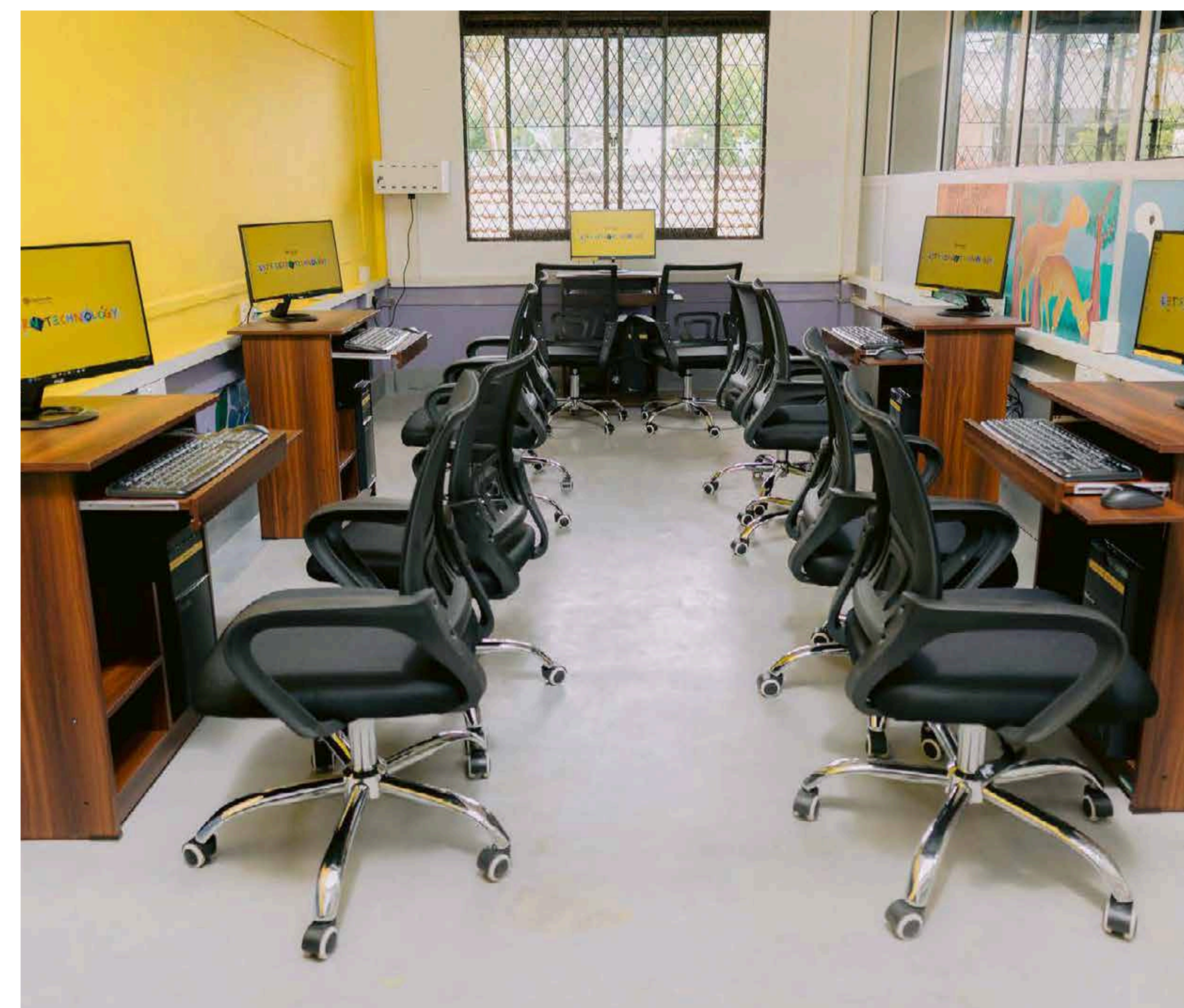
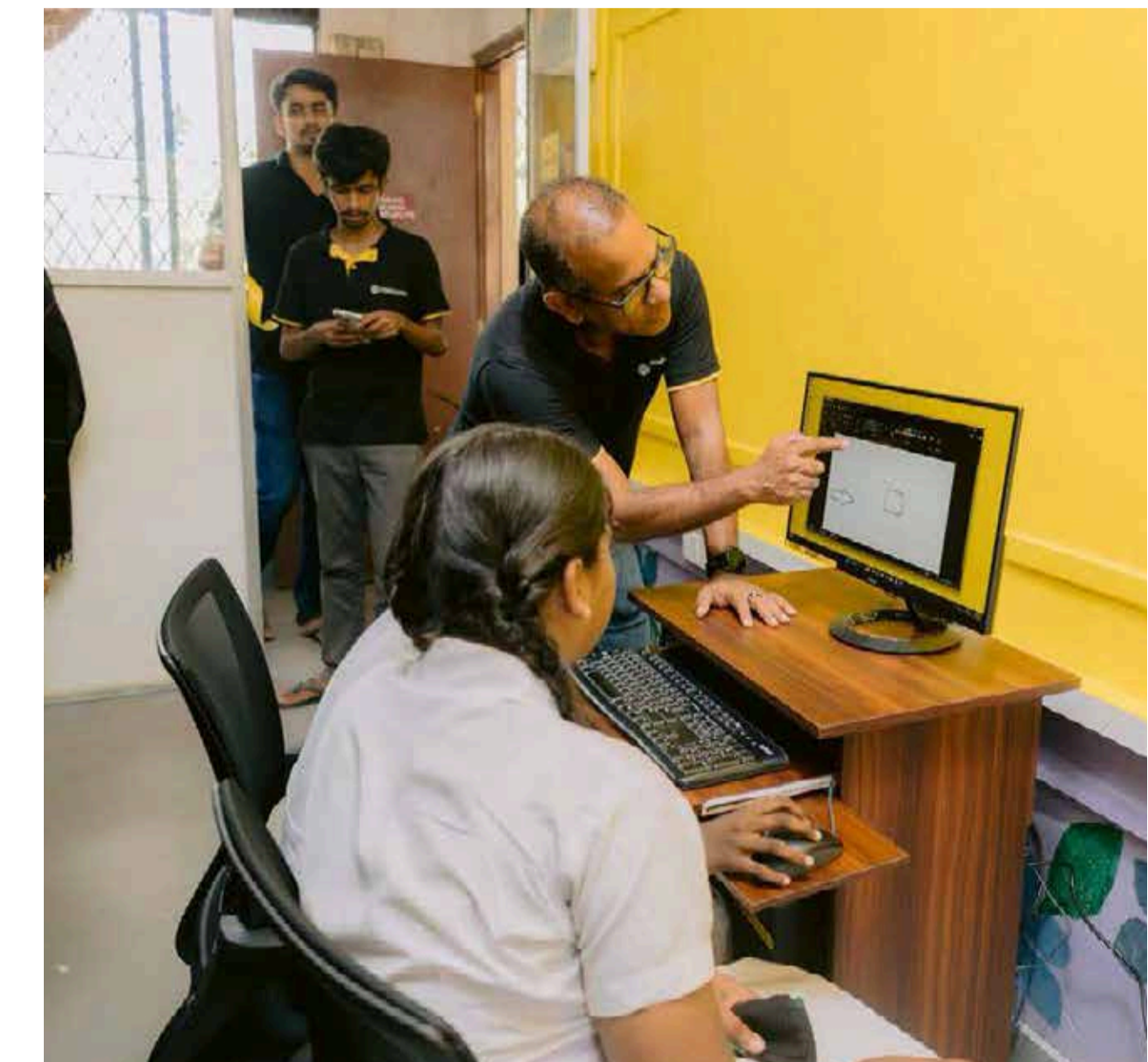
**(For a detailed breakdown of the curriculum adopted, refer: Annexure 1: Bootcamp Program: Curriculum for ICT Teaching Sessions)**

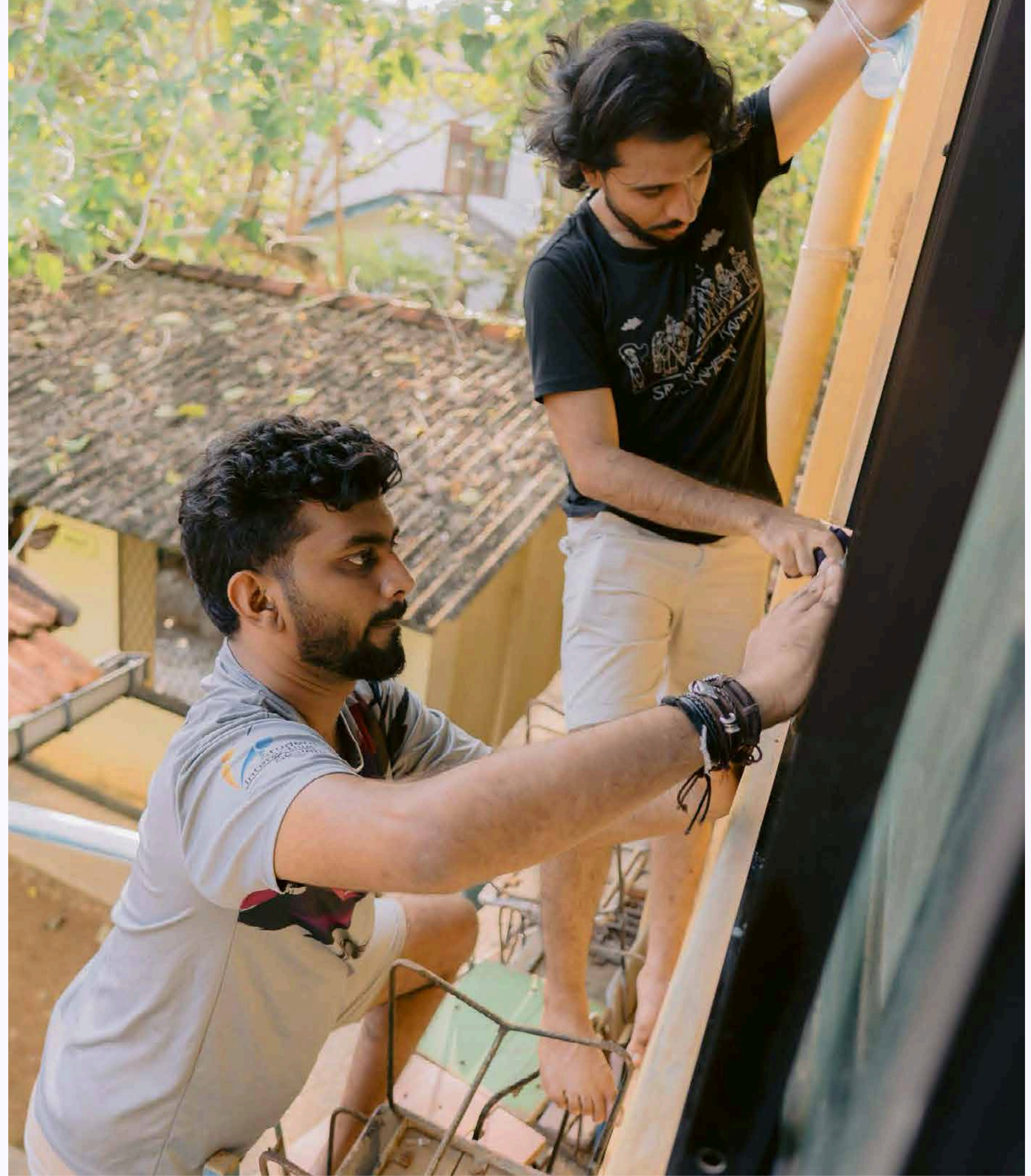


## 2. BUILDING A COMPUTER LAB

A major component of the Rootcode Foundation Bootcamp Program was the establishment of a new computer lab at Godagama Anagarika Dharmapala Vidyalaya, Matara. Built as part of the two-day intervention, the lab was made possible through the time and effort contributed by Rootcoders, who supported cleaning, painting, renovation, and equipment setup.

The completed lab was equipped with 5 desktop computers, together with the furniture and fittings needed to support ICT teaching and student use. As the fourth computer lab established through Rootcode Foundation initiatives, it was designed to serve as a long-term resource for both students and teachers beyond the duration of the Bootcamp.





Bootcamp volunteers during lab setup, equipment installation, opening, and student onboarding at Godagama Anagarika Dharmapala Vidyalaya

### 3. SMART SCHOOL IMPLEMENTATION

As part of the Rootcode Foundation Bootcamp Program, the Smart School system was rolled out at Godagama Anagarika Dharmapala Vidyalaya, Matara to support the digitization of school administration.

During the Bootcamp, the system was set up at the school, user accounts were created for teachers, and a hands-on training session introduced the platform's core features - including attendance tracking, marks entry, and report generation. This gave teachers practical tools to manage academic records more efficiently and support data-informed decision-making beyond the Bootcamp itself.



## TESTIMONIALS AND SPOTLIGHTS

Student reflections from the program highlight how exposure to Rootcode volunteers and the technology industry helped expand both confidence and ambition

### **NISHANKA HEWAVITHARANA**

*ICT TEACHER - GODAGAMA ANAGARIKA DHARMAPALA VIDYALAYA*

Godagama Anagarika Dharmapala Vidyalaya had only one computer for the entire school, which made teaching ICT incredibly difficult. The new computer lab has changed that completely. Students can now learn through hands-on practice, which is essential for ICT. The weekend workshops were equally valuable - you could see how engaged the students were throughout. The Smart School software will also undoubtedly make a real difference for teachers, saving us time on daily tasks. Thank you to Rootcode Foundation for everything you have done for our school.



## BUDGET- BOOTCAMP PROGRAM

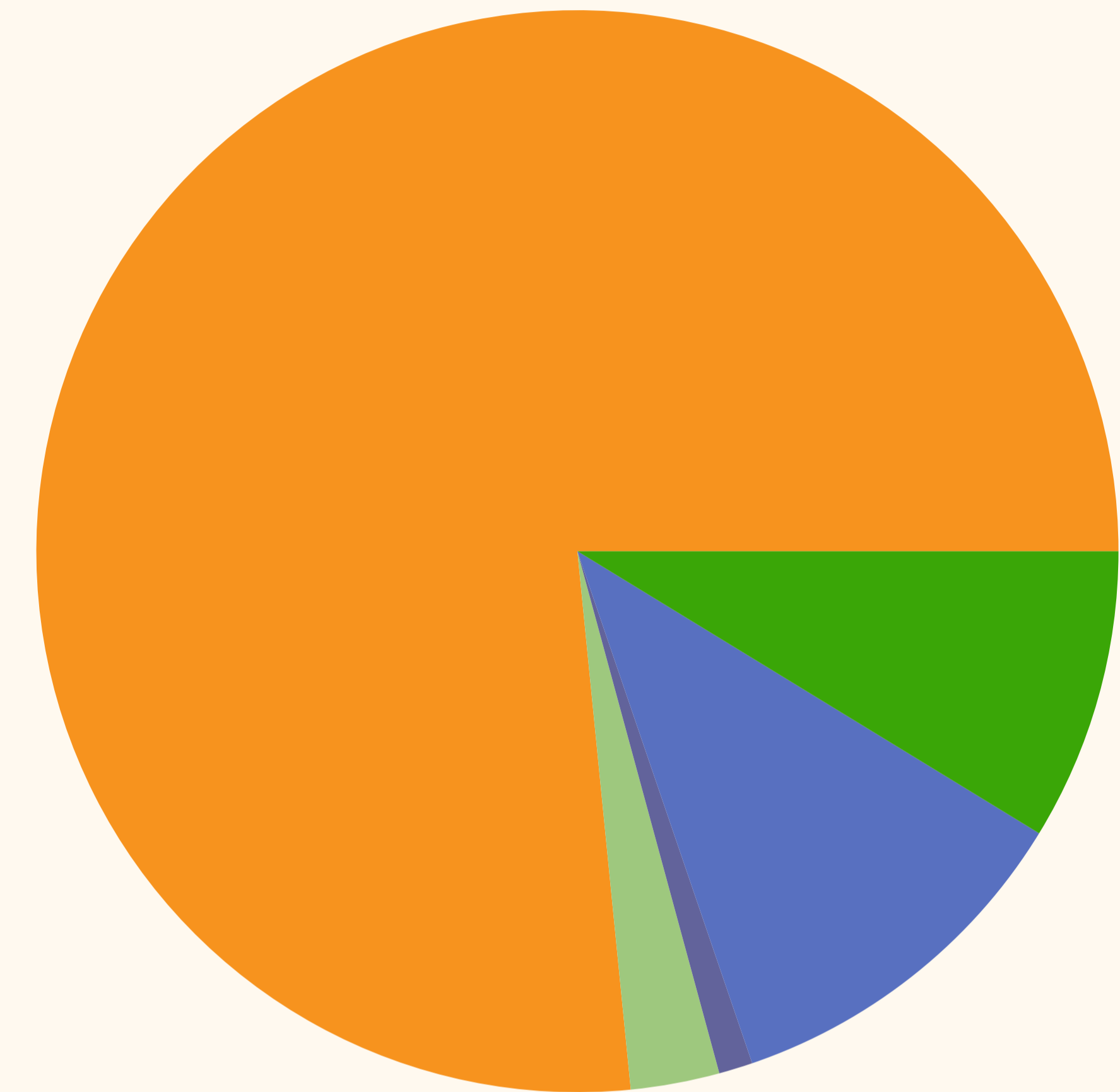
The following pages provide a detailed breakdown of the Rootcode Foundation Bootcamp Program budget, showing how funds were allocated across infrastructure, educational delivery, transport, and supporting resources.

This breakdown reflects the Foundation's effort to combine financial stewardship with practical impact, ensuring that resources were directed toward interventions that could strengthen both immediate access and longer-term school readiness.



# BREAKDOWN OF THE ROOTCODE FOUNDATION BOOTCAMP PROGRAM BUDGET (IN LKR)

The largest share of the Bootcamp budget was directed toward computer lab setup, reflecting the program’s focus on building tangible, lasting infrastructure through a short-format intervention.



TOTAL VALUE

**1,357,384.12**

<b>COMPUTER LAB</b>	<b>1,039,396.53</b>
Furniture	304,110.74
Computers	647,500.00
Internet Connection Setup	53,300.00
Equipment & Materials	34,485.79

**FOOD & REFRESHMENTS 118,487.00**

**PHOTOGRAPHY & VIDEOS 36,000.00**

**LEARNING PACKS & GIFTS 149,785.09**

**TRANSPORTATION 13,715.50**

<span style="color: orange;">●</span> COMPUTER LAB	1,039,396.53
<span style="color: lightgreen;">●</span> PHOTOGRAPHY & VIDEOS	36,000.00
<span style="color: darkblue;">●</span> TRANSPORTATION	13,715.50
<span style="color: blue;">●</span> LEARNING PACKS & GIFTS	149,785.09
<span style="color: green;">●</span> FOOD & REFRESHMENTS	118,487.00

# ROOTCODE FOUNDATION COMMITTEE 2025

## PRESIDENT

Milinda Sandaruwan

## ADVISORS

Alagan Mahalingam

Mangala Perera

## COMMITTEE MEMBERS

Imalsha Liyanage

Dinindu Gunathilaka

Thushan Fernando

Kausalya Kumar

Dulneth Bernard

Teshan Jayakody

*Beyond the individuals listed here, Rootcoders across the company contributed time, expertise, and energy to the Foundation's 2025 work- making this impact a shared organizational effort.*



## EXPRESSION OF GRATITUDE

Rootcode Foundation extends sincere thanks to the principals, teachers, parents, students, volunteers, and partners who contributed to the success of the 2025 project. Their trust, collaboration, and commitment made it possible to turn ideas into meaningful educational experiences.

We are especially grateful to the school communities that welcomed the Foundation into their learning environments, and to the Rootcode team whose effort, care, and consistency helped bring each initiative to life.

## ANNEXURE 1 : PROJECT METHODOLOGY

At Rootcode Foundation, access to technology education is approached as a practical pathway to long-term opportunity. This annexure outlines the structured methodology used to guide school selection, program design, and implementation across both the Primary Program and Bootcamp Program.

Grounded in sustainability, collaboration, and context-aware planning, this methodology helps ensure that Rootcode Foundation's initiatives are both relevant to local school environments and designed for lasting value.

# METHODOLOGY FOR SCHOOL SELECTION

The success of each educational initiative begins with selecting the right school partner. Rootcode Foundation uses a structured school selection process to identify schools that align with program objectives and show strong potential for sustainable impact.

## **1. Identification of Potential Schools:**

- Compile an initial list of schools through existing networks and local insights
- Assess educational need, infrastructure gaps, and contextual challenges
- Prioritize schools where a targeted intervention can create meaningful value



## 2. Shortlisting Schools:

- Apply defined criteria to shortlist schools aligned with project goals.
- Review documentation, consult school administrators, and evaluate ICT strengths and gaps.

## 3. Contact and Visit Shortlisted Schools:

- Reach out to shortlisted schools to express interest and gather key details.
- Conduct phone or virtual interviews to understand school context.
- Visit schools to assess infrastructure, classroom environment, and community dynamics.



#### **4. Examination of Schools:**

- Conduct in-depth examinations of ICT facilities during on-site visits based on the following key criteria:
  - The Cooperativeness and Commitment of the Principal and Academic Staff
  - The Capabilities of the School to Sustain the Carried-Out Initiatives
- Evaluate readiness of educators and students to embrace technology, and the overall socio-economic context.
- Engage with key stakeholders, including teachers, students, and community members, to gain insights into unique challenges and strengths related to tech education.

#### **5. Final Decision Making:**

- Consolidate gathered information and assess each school against established criteria.
- Make the final decision based on a holistic evaluation, considering the alignment of the school's needs with the project objectives and potential for sustainable impact.
- Communicate the decision to the selected school and initiate the collaborative process for implementing ICT education support initiatives.

## IMPLEMENTATION - ROOTCODE FOUNDATION PRIMARY PROGRAM

The Primary Program is designed as a year-long school engagement model that combines student learning, infrastructure support, and teacher enablement. Its implementation is based on regular school visits, structured learning sessions, and practical investments that help build a more sustainable digital learning environment over time.



# 1. TEACHING SESSIONS

The ICT teaching sessions are conducted through a carefully crafted and collaborative strategy:

## (a) Formation of Specialized Groups:

- Students are divided into grade-based groups, each led by a dedicated volunteer to ensure focused learning.

## (b) Volunteer Engagement:

- Rootcoders are assigned to groups based on skills and interests, committing weekends to hands-on teaching.

## (c) Designing Curriculum and Study Materials:

- A custom, interactive curriculum is developed for each grade, covering IT, coding, web design, and robotics.

## (d) Annual Planning:

- An annual visit schedule is created in advance, ensuring consistent engagement and academic continuity.



**(e) Creation of Learning Materials:**

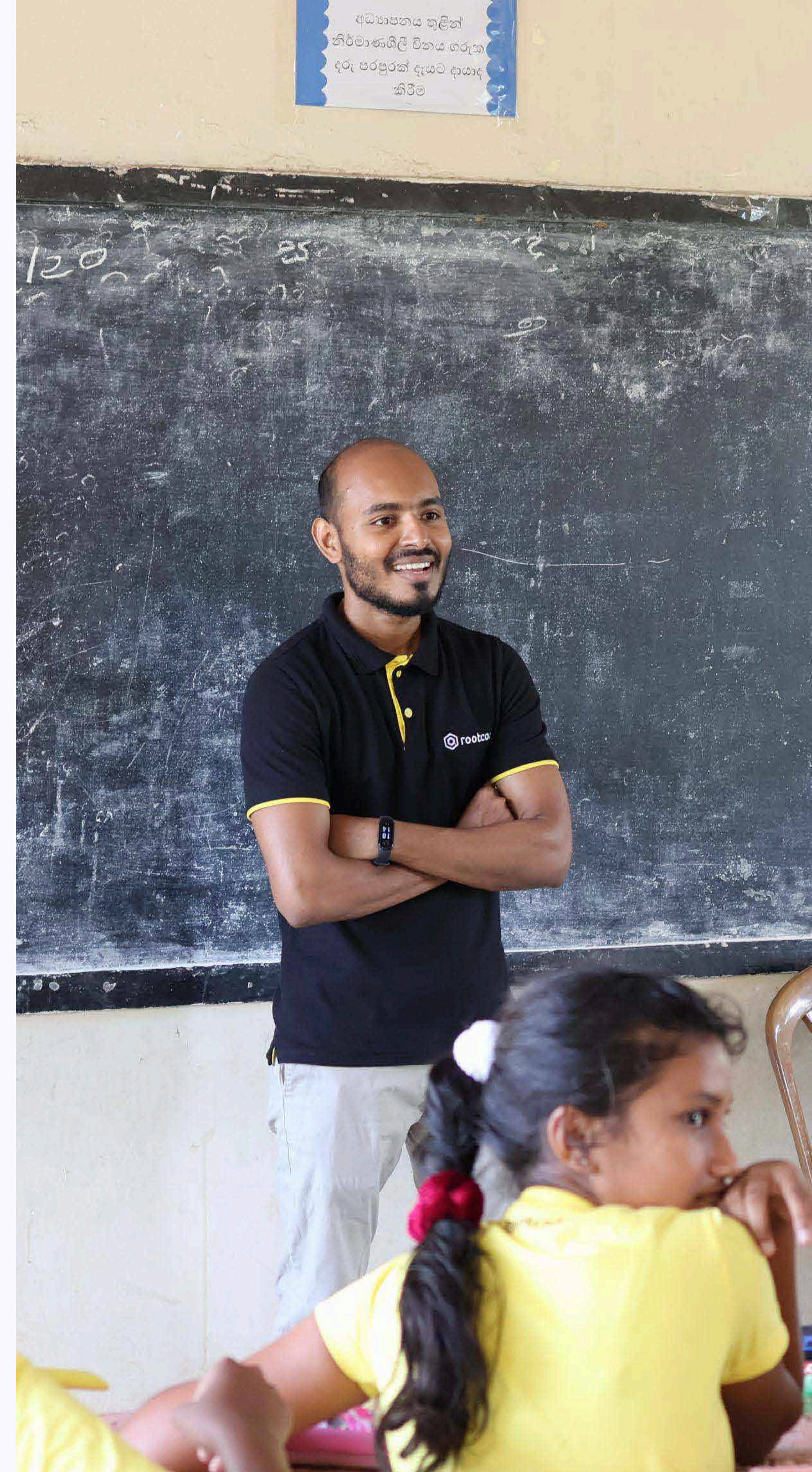
- Volunteers prepare quizzes, presentations, and exercises tailored to their sessions before each school visit.

**(f) Monthly School Visits:**

- Each visit delivers structured, hands-on lessons that build from basics to advanced tech skills over time.

**(g) Continuous Assessment:**

- Students are regularly assessed through quizzes and tests, with feedback given to guide individual improvement.



## CURRICULUM FOR THE YEAR

The Primary Program curriculum was designed to introduce students to foundational digital skills through a gradual, age-appropriate learning journey. Delivered over monthly sessions, the curriculum balanced technology basics with creativity, curiosity, and hands-on exploration.



## **1. Introduction to Computers and Basic IT Skills**

- Fundamentals of hardware, software, and operating systems.
- Hands-on computer usage, troubleshooting, and file management.

## **2. Introduction to the Internet and Digital Literacy**

- How the internet works, safe browsing, and online privacy.
- Practical exercises in security settings and identifying cyber threats.

## **3. Introduction to Word Processing and Spreadsheets**

- Creating and formatting documents and spreadsheets.
- Building budgets, organizing data, and performing basic calculations.

## **4. Introduction to Multimedia and Presentation Skills**

- Basics of image, audio, and video editing with effective slide design.
- Developing and delivering presentations with public speaking practice.

## **5. Basic Coding Concepts**

- Introduction to coding logic through Scratch programming.
- Collaborative, project-based coding exercises to build problem-solving skills.

## **6. Web Design Basics**

- Introduction to HTML and CSS for building web pages.
- Creating and styling a simple, responsive webpage from scratch.

## **7. Introduction to Robotics and Automation**

- Fundamentals of robotics, programming, and real-world automation.
- Hands-on robotics and automation projects.

## **8. IT Projects and Career Guidance**

- Collaborative project development and career exploration.
- Mock interviews, resume building, and career planning sessions.

## 2. BUILDING A COMPUTER LAB

The Foundation's computer lab model is designed to provide schools with a dedicated digital learning space that can support both teaching and student practice beyond the life of the project. Alongside hardware and furniture, the approach also considers room preparation, usability, and long-term maintenance.



### 3. TEACHER TRAINING WORKSHOPS

Teacher training is designed to help educators make practical use of available technology in their daily work. By focusing on classroom-ready tools, planning support, and hands-on demonstrations, these workshops aim to improve both confidence and long-term adoption.



## 4. SCHOLARSHIP AWARDS

The scholarship component is designed to recognize student effort, reinforce engagement, and provide practical support to encourage continued participation in learning. The model combines recognition with motivation, making scholarships both an incentive and a form of student-centered support.



## 5. SMART SCHOOL IMPLEMENTATION

In 2025, Smart School was introduced as a new initiative to further support schools engaged through Rootcode Foundation programs. Developed in-house by the Rootcode team, Smart School is a school management system designed to help educators manage academic and administrative tasks such as student attendance, marks, and report generation in a single platform.

The system is implemented alongside project activities to support schools in adopting digital administrative practices. As part of the rollout, Smart School is set up at the school, individual user accounts are created for educators, and relevant features are configured based on the school's requirements. In addition, a hands-on orientation session is conducted for teachers to introduce core functionalities and ensure effective use of the system.



## IMPLEMENTATION- ROOTCODE FOUNDATION BOOTCAMP PROGRAM

The Bootcamp model was developed as a short-format intervention designed to create meaningful impact within a limited time frame. Its implementation combines concentrated student engagement with practical school support, allowing the Foundation to deliver hands-on learning and targeted infrastructure improvements through a focused two-day model.



## CURRICULUM FOR ICT TEACHING SESSIONS

The Bootcamp curriculum was designed to provide students with an accessible introduction to core digital concepts through interactive, practical learning. Within a limited time frame, the curriculum prioritized engagement, creativity, and foundational exposure over depth.



## **1. Understanding Computers and Digital Basics**

- Introduction to hardware, software, and core components like CPU and memory.
- Hands-on computer operations including file handling, document editing, and system navigation.

## **2. Creative Tools and Digital Productivity**

- Designing digital posters using tools like Canva or Google Slides.
- Collaborative mini-projects focused on creativity, formatting, and file management.

## **3. Introduction to Emerging IT Trends**

- Overview of AI, cybersecurity, gaming, robotics, and other trending tech topics.
- Short videos, simplified demos, and interactive Q&A to spark curiosity.

## **. AI in Everyday Life**

- How AI works and where it appears in daily life — from ChatGPT to voice assistants.
- Live demos and practical workshops encouraging critical thinking about technology.

## **5. Career Awareness and Industry Exposure**

- Exploring IT career paths: software development, UX/UI, cybersecurity, data science, and more.
- Group activity: students brainstorm and present a tech-based solution to a real-world challenge.

## STEPS TAKEN TO ENSURE THE SUSTAINABILITY OF THE PROJECT

To support continuity beyond Bootcamp, Rootcode Foundation focused on practical measures that schools could continue using after the intervention. These included technology handover, educator support, and steps to help the school maintain and make use of the infrastructure provided.

### **Support Maintenance of the Computer Lab:**

- Following the conclusion each project, the committee conducts an annual on-site audit- reviewing furniture, infrastructure, and equipment condition. Any necessary repairs are arranged to keep the lab fully functional long-term.



## STEPS TAKEN TO ENSURE THE SUSTAINABILITY OF THE PROJECT

### **Continuous Teacher Training:**

- We revisit each school annually for follow-up training sessions, updating teachers on new tools and reinforcing key digital skills. This ensures the impact of our program is sustained beyond our main engagement.

### **Impact Monitoring and Evaluation:**

- During annual visits, we track key indicators such as the number of students selecting ICT for their G.C.E. O/L exams. These insights help us evaluate outcomes and continuously refine our approach.





On a mission to help underserved students in Sri Lanka learn technology and change their futures.



Rootcode Foundation 2025 - expanding access, building opportunity, and creating practical pathways into technology for school communities across Sri Lanka