

@HOPE

Art & Technology for Heightened Opportunities in Public Education



A solution that empowers the community to improve their public education system is the most effective strategy to overcome social inequality in Brazil.



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AN INVITATION TO THE FUTURE

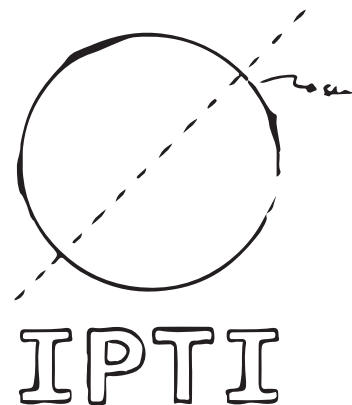
We would like to invite you to sponsor our project to test an integrated approach of social technologies to improve quality in public education in Brazil. Here you can find out what social technology is, what we have developed so far, and what can be expected from our ambitious project. In the end, you will find our contact information for us to provide you with more details about the project and how you can support it.



ABOUT IPTI

IPTI is a non-profit organization and a pioneer in the successful implementation of social technologies, which are effective and scalable solutions to social problems. These solutions are created in close collaboration with the communities we are applying them to. Our projects integrate art, science, and technology to provide a systemic and evolutionary way-pathway to develop children and adolescents in poor municipalities.

Our headquarter is in Santa Luzia do Itanhy in Sergipe, Brazil. We chose a municipality in the bottom 5% of the Human Development Index ranking in Brazil to ensure that whatever solution we develop has the potential to be effective in the broader context of the Brazilian public school system.



THE CHALLENGE

In Santa Luzia do Itanhy:

- 13,000 habitants (70% living in rural areas);
- 22 public schools (86% in rural areas) only 8% of the students who reach the 5th-grade show desirable performance in Portuguese and Mathematics;
- >30% of students have iron deficiency, anemia;
- 29% of parents are illiterates;
- Schools have:
 - No adequate infrastructure for meal
 - No educational support laboratory.
 - No access to the Internet
 - No library



OUR ACCOMPLISHMENTS

IPTI and Santa Luzia do Itanhy have together developed a series of social technologies that integrate education, health, and skill-building courses for young talents in the sectors of art and technology. Through our programs, we empowered youth to become proactive visionaries resulting in the transformation of their lives and communities for generations to come. We operate on a multitude of areas including visual arts (illustration), programming, robotics, audiovisual, digital music, graphic design, folk music and literature.

Our proposed integrated approach for the @HOPE project will work with seven social technologies whose summaries you can find here:

You can find out more about IPTI, our social technologies, and their results at:
<http://www.ipti.org.br/en/reports/>

SOCIAL TECHNOLOGIES



These technologies have been developed in Santa Luzia do Itanhy and are being reapplied to more than 25 Brazilian municipalities in the last seven years. But different schools have different solutions applied to them. Yet up till now, we still haven't had a school that has had all the solutions.

THE PROJECT

Our next step is to build a strategy for incorporating all these social technologies into public schools and create mechanisms to monitor results and reward education professionals for their performances.

To implement this, we are going to use one of the municipal schools in Santa Luzia do Itanhhy as a pilot experiment, which will be used as a reference for future reapplications.



The school selected is Paulo Fernando Ribeiro Soutelo, which offers activities for children from daycare (starting at 9 months old) to the 5th grade (around 11 years old). This school is located in one of the most underprivileged communities of Santa Luzia do Itanhhy, Pedra Furada, a small fishing village where the average income per person is under US\$ 30.00 per month. In addition to these factors, the Pedra Furada school has a close and trustworthy relationship between the school's staff and IPTI, which has been established over the years.

PROJECT GOAL

Our goals are:

- Improvement of students's performance in primary education,
- Reduction and control of iron deficiency anemia, through food security programs and changes to hygiene habits,
- Diagnosis and correction of visual impairment
- Incorporation of art and technology activities in school and the integration of these activities through pedagogical content.

OUR APPROACH

The project will be developed in close partnership with the school's staff (board, teachers, cafeteria staff, principal) so that the methodology respects the reality of schools and municipalities. Thus, the members of the team are prepared to act as disseminators of this initiative and to spread and apply them to other schools and municipalities.



HOW YOU CAN HELP

To carry out this project in this school, investments are needed to expand and reform the existing infrastructure – which today does not even meet the basic needs of the school –, to include art and technology activities in the curriculum, and to validate a performance bonus for the school's staff. This implies the construction and validation of a monitoring model with feasible and improved indicators for the different dimensions of the project..

This monitoring will be carried out through the TAG system, which will be specially extended to store the analysis of the primary data of the school and make results available via the project's app and portal.

The following tables present the investments required to implement the Paulo Fernando Ribeiro Soutelo school project, in order of priorities:

Social Technologies for Education	Amount (in US \$)
Internet access (year)	1.200,00
Art & Technology local instructors	8.000,00
Consumables	6.000,00
Bonus for school team	17.000,00
Security infrastructure for the school	14.000,00
TOTAL	\$46.200,00

Minimum infrastructure for Health	Amount (in US \$)
New kitchen (20 m ²)	14.000,00
New restrooms (20 m ²)	14.000,00
New dinning room (40 m ²)	28.000,00
Kitchen equipments	5.000,00
New architectural design (daycare)	9.000,00
TOTAL	\$70.000,00

Minimum infrastructure for Education	Amount (in US \$)
New classroom (50 m ²)	35.000,00
Collection and library furniture	8.000,00
Info lab (equipment and furniture)	17.000,00
New architectural design (school)	10.000,00
TOTAL	\$70.000,00

Expansion of school to enable full-time education	Amount (in US \$)
Second new classroom (50m ²)	35.000,00
Library room (50m ²)	35.000,00
Info lab room (50m ²)	35.000,00
TOTAL	\$105.000,00

Social Technologies for Health	Amount (in US \$)
Iron deficiency anemia control	6.000,00
Ophthalmology	6.000,00
TOTAL	\$12.000,00

Child care reform	Amount (in US \$)
Day care renovation (50m ²)	18.000,00
Security infrastructure (day care)***	17.000,00
TOTAL	\$35.000,00

*** video security cameras, walls