Project factsheet information

Project title	**Education for All Through Technology**
Grant recipient	Network for Non Formal Educational Institutions (N-NFEI)
	PO BOX 28025-00100
	Nairobi
	Kenya
	Tel :+254723144259
	Email : nnfeischools@yahoo.com
	nnfeischools@gmail.com
	Web Site : www. nnfeischools@yahoo.com
Dates covered by this report	01 – May – 2013 – 31-October - 2013
Report submission date	10 November –2013
Country where project was implemented	Kenya
Project leader name	Jane Ngima Muthiga
Team members (list)	**James loch :** jamesloch2007@yahoo.com

Daniel Njuguna danjugunas@gmail.com

Abubakari Tsalwamuftiabu@yahoo.com

Partner organizations	Elimu Digital Media (EDM) elimudm@gmail.com Common Wealth of Learning
Total budget approved	USD:10,000

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Project Summary

The Network for Non Formal Educational Institution (N-NFEI) is a registered organization promoting access to basic quality education for all children. The organization was Founded and Resisted in 2010 to lobby for Registration, Recognition and involvement of Non Formal schools within the Ministry of Education. These schools cater for 60% of school going children in Kenyan slums and marginalized communities.

Early 2011 the founder of the organization was told about Video Conferencing as a solution that would enable one teacher to teach multiple schools. N-NFEI emblazed the idea and consulted ISP Providers of which Swift Global agreed to provide the infrastructure for seven centres and a transmitting studio. In 11th August 2011 the program was launched by the PS Ministry of Information and communication Dr. Bitange Demo.The organization was able to move on the program with 2 centres in Korogocho and Kayole Slums.

 In April 2012 N-NFEI received funding to train Teachers, managers and the technical team on ICT and Content development Skills in an 8 days training workshop.

The skills enables them apply E-Learning in teaching.

After the training the technical team and the teachers took another 3 weeks to adapt content from Commonwealth of Learning (COL) Open Education Recourse for secondary level. We adapted Chemistry, English, Biology and Physics from COL Site and Kiswahili, Geography, History and Government Business Education from other open source sites.

N-NFEI received funding from Fire Project to employ 3 teachers to teach using ICT and Media and for the last 6 months the group have managed to develop video based revision content for Biology ,Mathematics ,Physics, Kiswahili and Fasihi that will be accessed through Elimu on Line and Elimu TV

The program has identified Non Formal schools ,Adult Education Center and Prisons will use the content as from January 2014

Background and Justification

Provision of basic education is a right for all Kenyans as provided for in the new constitution. The Millennium Development Goals (MDG) and Vision 2030 identify education as a major pillar in development and poverty eradication.

Access to secondary education has been very low in slum areas due to lack of public secondary schools and cost related aspects.

Kenya Certificate for Secondary Education (KCSE) certificate is now referred to as the basic academic qualification for any form of employment in Kenya or entry to higher levels of learning. Majority of slums and marginalized communities, children graduating from primary levels are not able to translate to secondary schools due to social economic reasons. This hinders them from accessing any form of meaningful employment in the Kenyan job market and thus reducing their chance of changing their social economic status.

Elimu TV and on line platforms will enabling every child in Kenya access quality secondary education and support and compete equally in National exam with other students wherever they may be. This platforms will provide teachers in Non Formal Schools quality content that can be displayed in class using a laptop and a projector. This will be helpful for cases where one text book is shared among 5children and others where the only text book is the teachers copy.

For schools without science laboratories this will be the best place for science subjects because experiments are well displayed in videos. This is a platform where children and youth can go for tuition and extra learning in a technology based methodology which is more interesting

Project objectives

Tips: *Please include here the **original objectives** as listed on the Grant Agreement.*

If any objectives were modified, added or removed during the reported period this should be explained/justified.

- Develop Digital content for Biology, Mathematics, Physics, Kiswahili and Fasihi on selected topics that will support revision for form 4 students.
- Establish six Non Formal TV/Digital Schools,
- Make Adult Education Centers TV Schools
- Establish TV Schools in Prisons
- Host the content on Elimu TV and Elimu on line

Users and uses

Please write about the users and uses here…

No	Users	Uses
1	Teachers	Use the content in teaching
2	Students	Use the content developed to advance personal learning
3	N-NFEI Management	Use results of the study to advice on programs development and implementation. Especially issues to lobby on policies. Advice on how to improve on content development, copyright and
5	Ministry of Education	Use the results of the study to advice on ICT/Education policies
	Adult Education Department	Use content to teach adult student
	Prisons	Allow prisoners to study through Elimu TV

Indicators

Please use the table below to share your project indicators…

Baseline	Indicators	Progress	Assessment	Course of action
Lack of access to quality content of secondary education in Non Formal Schools Lack of alternative schools for out of school	Have developed TV content for Biology, Physics, Kiswahili, Mathematics and Fasihi. Elimu TV is broadcasting	Teachers have been video shotting content every two days in the week and the content is progressively being used on Elimu TV	Teachers have used the content that was adapted through OER from commonwealth of learning website. The teachers are video taped	We want to continue developing content on the same subjects and start TV/Internet schools in the targeted non formal schools, Adult

youth who would wish to continue with secondary education	the content		as they teach.	Education Centers and Prisons

Project implementation: understanding the chain that leads to results

Input	Project activities	Outputs	Outcomes	Timeline	Status	Assessment
Salaries 290,000 Comm- 32,000 Rent- 90,000	Contracting Staff	1 Director 3 Teachers 1 Office Staff	Satff in place	2nd May 2013	Complete	Appointed from our list of volunteers
	Contracting Partners	Elimu Digital Media offering Technical Support	EDM offering all video shoting services	1st June 2013	Complete	Invited quotations and considered a company that was willing to work with our volunteers to enable us reduce on cost
	Volunteers	3 volunteers on technical	3 students from local media schools are volunteering with the program	15th June- Date	Complete	Internet challenges in the slums was a challenge and we have reverted to TV
Content Development 150,000	Content Development	Videos done in Mathematics Biology Physics Swahili Fasihi	Video produced in five subjects ready	5th May-Date	Complete	TV Content will enable access through Elimu TV thus reaching a bigger population

	Training of Staff	Teachers and center managers trained on the use of Skype	Teachers have Skype accounts and have skills to teach on the same	June 2013	Complete	Elimu Digital Media provided training for the teachers on the use of Skype and Googol talk in Education on 0ne-one bases.
	Identification of schools	6 Non formal schools indentified to take up the program\n\nAdult Education Center\n\nSupport Prisoners with content	Schools prepared to start learning with Elimu TV\n\nWill start learning from Elimu TV IN 2014\n\nEstablish TV Schools in Prisons	June- October 2013	Complete	
20,000	M&E Meetings	6 meetings held at Executive and Staff Level	6 meeting with staff members\n\n6 meeting with the Chairman and the teacher of N-NFEI	Held every month	Complete	Executive and Staff meeting provide a base of sharing and addressing the challenges being faced in the program
56,000	Conference	4 conference and forumsattended	AFRINIC in Zambia\n\nIGF Kenya where a paper was presented\n\nIGF Africa\n\nInternational Litracy Day	16th -20th June\n\n26th July 2013\n\nOctober\n\nOctober	Complete	We strive to share the program by participating in both local and international forums
	Social Media Platform	We have a face book page and Elimu on You - Tube	Elimu on line\n\nElimu TV on YOUTUBE		continuous	The social media platform is yet to take active follow up

Technical report No. X *This template was developed as a collaborative product of the Seed Alliance, based on the previous reporting templates implemented by FRIDA and ISIF Asia, with valuable mentoring from the Developing Evaluation & Communication Capacity in Information Society Research (DECI) project. See* http://evaluationandcommunicationinpractice.ca *(as accessed on 3/7/2013)*

20,000	Report Writing	Narative and Financial Report	Quaterly and Final Report	August November	Complete	The Executive committeeApproved the report that was collectively prepared by the teachers and the Director

Project outputs, communication and dissemination activities

Project outputs	Status	Assessment	Dissemination efforts
Staff Recruitment	5 staff working in the project	Has been implemented	The staff compose of 3 men and 2 female
Content Development	Video content developed on selected topics in five secondary subjects	Over 20 video developed in five subjects	The content can be accessed through Elimu TV and Elimu On line
Identification of Schools and centers	Six Schools have been identified for the program	Need to equip the schools with TV Screens and Decoders	We are mobilizing schools to join Elimu TV by including content developed by Clubs and inviting respective Clubs to provide TV Screens and Decoders
	Set up TV schools at Adult Educational Centers and Prisons	Prison department will buy decorders for thire centers.	
		We are Discussing with CCK to fund the	Have staeted to engage with the Adult

		adult education centers and a studio that will facilitate live classes.	Education and Prisons Department
Training	M&E Training and Sykpe for teachers	We still need to continue training teachers on the use ICT in education	Training of Teachers is key and more stakeholders should invest in the program
Conference	This is contiguous	We take every opportunity to present papers and active participation in conferences and relevant Networks forums.	We presented a paper at IGF and a paper on the program has been accepted for poster presentation on a conference on Open education in Nigeria in November
Partnerships	This is continuous	We identify organizations that have relevant content, schools and partners that can help us increase access to education	We share reports , network and seek partnership with relevant organizations, Government Agencies and private companies.

Project outcomes

Project management and sustainability

Administration

N-NFEI Board of Directors oversees the programs that the organization undertakes. The Executive Committee meets once per monthregular to oversee and direct the project in progress. The Executive Director manages the dairy operations of the organization as a full time staff and represents the organization in most of the meetings and functions related to the objectives of N-NFEI.

For the FIRE Project the Executive Director works with a team of 3 teachers a secretary and Partners. She reports to the Executive Committee on monthly bases and consult regularly.

The teachers prepare their monthly reports and submit to the Executive Director who will compile a quarterly report for the Board and the Partner.

Sustainability

N-NFEI is actively promoting the program among other Key stake holders to ascertain its sustainability. Key among them are Government agencies, ICT Board ,Kenic, CCK , Adult Education, Prisons and Clubs like Wild Life Club of Kenya.

We are also looking forward to engaging schools with internet connectivity both in Private and public schools .Internet access in Non Formal schools is a major challenge in the program. By increasing the number of schools that would emblaze ICT in education will by the end of the day increase access to content and internet by all.

Impact

The project will impact on the following

1. Promote use of ICT on secondary education

2. Development on policy on ICT and education with special interest in content development and copy right issues.

3. Address issues of policy on E-Learning in relation to exams and recognition

4. Establishment of TV/Internet schools

5. More use of Distant Learning by out of school youth

6. Lobby CCK to facilitate access for internet in slums

Overall Assessment

To what extend the project meet its objectives?

The project is progressively addressing its main objective of enabling education for all through Technology and media . The activities that have been undertaken in the cause of the three months have enabled the program to move towards the set objectives. These include the training of teachers on ICT Based teaching methods, development of TV/Web based content and the broadcasting of the developed content on Elimu TV.
In the last three months of the project we have managed to finish videos of all planned topics and lessons. We have also entered into partnership with the Prisons and Adult Education to enable us have a big student base to use our content.
We have achieved our project goal by 80 % and are moving forward to see that student access the content

Most important findings and outputs of the project and use
The Development of TV/Web based content for five major subjects that will be used to teach secondary education through Elimu TV was the major output in the last six months.
We have seek partnership to enable us reach out to students through Elimu TV and on-line platform.
We have presented a proposal to communication commission of Kenya to facilitate access to internet in slums by funding 20 centers.

What contribution to development did the project make?

Secondary school Digital content based on Kenya syllabus is not available. The project is filling in a major gap in availing relevant content on basic education in the country.

Elimu TV will have video content on five important subjects a step towards enabling out of school youth to easily access secondary education

Were certain aspects of project design, management and implementation particularly important to the degree of success of the project?

The use of text content developed from the common wealth of learning web site by our teachers through adaptation of content available through OER enabled us to start from a higher level.

The use of teachers who have been trained on content development was also good in that the web 2 skills and teaching through the camera will give good results in the quality of videos

The M&E meetings with the staff and then-NFEI Executive team have provided continuous direction on the program

In cooperating relevant Government Ministry and Agencies in the program will enable continuity

To what extend the project help build up the research capacity of your institution or of the individuals involved?

The team that include the Director and teachers has learnt how to collect, interpret and use data reporting and in program development and planning

The organization management will learn how to use research in project planning

What lessons can be derived that would be useful in improving future performance?

That internet connectivity is a challenge in slum areas.

The Kenya Government need to come up with guidelines that will direct development of educational content based on Kenya syllabus of education.

There is a big gap in term of available secondary digital content

The cost of internet still a big challenge

The use of ICT will be well integrated with the use of media as communities connect to internet.

. Recommendations

Recommendations

- Advocacy programs needed to promote training of Teachers on ICT

- Internet infrastructure to be done in all schools including those in Non Formal areas

- Continuous support for education related content development.

- Clubs and sports content to be digitized and availed on Internet platform where students can access.

- Merging ICT with Media and Mobile learning.

- Explore for ways of enabling Prisoners to access online classes.

- Need to provide computers /TV scenes and decoders to schools in the slums

- Training of teachers and school managers on ICT

- Packaging of developed content in tablets and DVD will be important

- In cooperating ICT in Auldt education

Bibliography

Tips: Include complete bibliographic references to all sources (printed, on-line, quotes, etc) used to prepare the different sections of this report. The APA style guide offers examples about how to reference a variety of sources. http://www.apastyle.org/learn/quick-guide-on-references.aspx (as accessed on 3/7/2013).