

Requester Information:

Requestor's Name (*): MARCELLIN MULINDWA

Requestor's Email Address (*): infonewhopeministry@gmail.com

Your Organization (*): NEW HOPE MINISTRY

Organization Website / Facebook:

Your Labdoo account user name (<https://www.labdoo.org/user/register>): MARCELLIN MULINDWA

Project Site: GOMA, DEMOCRATIC REPUBLIC OF CONGO

1. Project title or name of your school, project, or NGO - A short title or description for your project (*): ***Computer Science Education Program (CSEP)***

2. Project Description - Please explain about your project and how you will use the laptops (*):

Education in the DR Congo need to be improved and it needs to use technology to attend international education standard. The country is very poor and the national education program failed to promote technology or computer technology education throughout the entire country. There are no funds to supply the program with technology equipment. The athor related problem is the lake of infrastructure, resources, and others. There is a great barrier to education which is not free that still put many children and youth out of the game. Only children coming from rich families have access to education. This exclusion is dangerous since that the illiterate people are living in unemployment situation that push them to consume drug, alcoholic drinks, gang, join rebellion groups, and illegal migration to go look for opportunities and good lives abroad. DR Congo, especially in Goma the training and facilities offered in traditional schools and colleges have simply not caught up with the information age. In tragedy, the computer classes offered by these expensive schools do not adequately prepare graduates for such position. Often, within the school and college system, there are no facilities for this budding population to learn how to use computers to obtain any form of computer skills.

At graduation, the majority of student have never used a computer, let alone received any vocational training education. Inexperience with computer technology narrows one job market. In Goma due to lake of accessibility to computers, teachers, teaches computer classes on a blackboard because there are no actual computers ton use, therefore, this education still theoretical and not practical.

It makes much pain to see these children and young people in this situation, at New Hope Ministry, we believe that education is a key power for human's positive change. Through this proposed project we want to offer these children and young people a second education chance and help them build a better future.

To develop the DR Congo we need to provide access to technological facilities and the necessary training that will empower for disadvantaged individuals to get employment. This empowers them to meet their family and community needs. Through our computer science and information technology courses, bright young minds become better qualified and are able to obtain qualification technology courses, bright young mind become better qualified and are able to obtain qualifications for jobs that were previously unavailable to them. The CSEP project helps bridge the Digital Divide and levels the playing field. The project offers new opportunities for children and young adults to become computer literate. After graduating from our program, computer literate students are viable and competitive in the marketplace. By learning and understanding computer science they progress in their careers and rise above poverty and they contribute to national development. Considering that computer technology is advancing faster than ever before, knowing how to properly use a computer and navigate the digital terrain will help our brilliant students to keep life organized and streamlined.

Our Computer classes will provide Introduction to Computer, Parts of a Computer, Input and Outputs Devices, Basic mouse and Keyboard Techniques, Typing Master, and Microsoft application programs that are from (MS Word, Excel, PowerPoint, Access, Publisher and Internet). Classes are set up so that no two students have to share a computer so everyone has access to their own computer.

There are four different classes of students at different points of training. Shifts run on Mondays, Wednesday, and Fridays, or on Tuesdays and Thursdays. Classes are held from 9:30-11:30 am-2pm, and from 3:00 pm to 5:15pm every day.

The goal of the CSEP project helps is to provide students with the knowledge and tools that will allow them to design and implement effective, economical, and creative solutions for the needs of individuals, society and the high-tech economy.

The CSEP Computer Education Program is designed to provide a well-rounded and comprehensive education, with a curriculum offering a broad education in Computer Science combined with a solid foundation in science and engineering fundamentals. In addition, the program emphasizes interaction and communications.

To provide students with the basic knowledge of Computer Fundamentals, Hardware, Operating System, Internet and Networking, Database and computer Programming.

To enhance students critical thinking with the help of practical training and in-house training so as to develop their analytical, problem solving and decision making skills.

To provide students a deep insight into various cutting edge technologies and tools and thereby creating diverse career opportunities

To provide a solid academic, technical and intellectual background that would enable them to pursue degree courses

To provide exposure to students in emerging technologies with adequate practical training and opportunities to work as teams on multidisciplinary projects with effective communication skills and leadership qualities

To prepare students to excel in computing industry profession through quality education with a solid foundation in mathematics, engineering and basic science

To prepare students to inculcate professional ethics, social responsibilities and effectively communicate IT concepts to become leaders, researchers, entrepreneurs and social reformers

To develop professional skills in the students that will prepare them for immediate employment and for lifelong learning in advanced areas of computer science and related fields

To prepare the students to become successful professionals in the field of research, academia, industry and consulting firms

To prepare the students who will achieve peer-recognition, as successful researchers through demonstration of good analytical, research, design and implementation skills

To develop technically competent and skilled researchers to take up research oriented projects involving challenging tasks

To give in-depth knowledge in the emerging fields of Computer Science with the ability and confidence to specialize in the areas of interest.

2. Objectives:

The objectives of CSEP Program are to enable students to

- Practice computer science and software engineering, understand the fundamental principles of computer science, and continue to develop their technical competencies.
- Develop and understanding of how computing technology presents new ways to address problems; and to use computational thinking to analyze problems and to design, develop and evaluate solutions
- Read, write, test, and modify computer programs

- Develop an understanding of how computers work; the component parts of computer systems and how they interrelate, including software, data, hardware, communications, and users
- appreciate the ethical and social implications relating to the use of computing technology and information and identify the impact of technology on personal life and society
- understand how information technology has changed over time and the effects these changes may have on education, the workforce, and society
- evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of online information sources
- Work independently and collaboratively, communicate effectively, and become responsible, competent, confident, reflective, and creative users of computing technology.

Use of computer

We will use the requested computers to train free of charge our students and provide them with more efficient access to information, facilitate collaboration, and allow for a more personalized learning experience. By unlocking the power of technology, we can explore the many benefits of computers in education, and better prepare our students for their future.

From enhancing student engagement to deepening understanding, the possibilities are endless. Let's take a closer look at how computers can help to improve learning outcomes and provide an overall better educational experience. The use of computers in our education program, we will:

- Enhancing student engagement
- Improving access to information
- Facilitating collaboration
- Personalizing the learning experience
- Developing digital literacy
- Enhancing productivity and efficiency
- Technology tools for teaching and learning
- Utilizing educational software

The use of computers will provide a wealth of benefits for students, educators, and society as a whole.

From enhancing student engagement to facilitating collaboration and personalizing the learning experience, computers can help to improve learning outcomes and provide an overall better educational experience.

Whether it's through the use of emerging technologies or tried-and-true software, computers can help to transform education

3. Number of students (*): 2657

4. Number of teachers (*): 57

5. Claimed IT equipments (*):

5.1 Number of Laptops needed (*): 45 Laptops

Number of Tablets- Pcs: 20

5.2 Number of eBook Reader needed:

5.4 Additional comments:

6. On Site Contact Information / project manager. Please provide at least one way to contact (*):

6.1 Full Name (*): MARCELLIN MULINDWA

6.2 Phone (*): +243 973668962

6.3 Email (*): infonewhopeministry@gmail.com

6.4 Physical address of Organization (street, city, zip code, country...) (*):

Avenue Ndosho, Goma, 162 Democratic Republic of Congo,

6.5 GPS coordinates (click the link to find the coordinates:
<https://www.lattitudelongitude.org> or <https://support.google.com/maps/answer/18539>)
(*):

7. Language:

French

English

7.1 Local / Preferred language(s) (*):

English

7.2 Additional information about language(s):

8. Project Location - street, city, state/province, country, zip code (*): 162 Goma/ DRC

9. Access to Internet (*)?

Rehabilitation works has been made including the provision of solar/generator powered electricity supply and installation of the internet equipment/supply is guaranteed.

9.1 Access to internet (yes/no): Yes

9.2 Wired/cable (yes/no): Yes

9.3 Wireless (yes/no): Yes

10. Conditions about the room where the laptops will be installed:

Through our room rehabilitation, we have taken care and ensure that the room is well secured and is in suitable good condition. It can be locked and is well assuring the requested IT equipment. The room key will be kept by the Direction of the Center and daily activities are registered, each entry and exit and we have monitoring of the program

10.1 Is the room secure? [If yes / no + brief explanation]:

Yes, the room is secured and accessible only to students; teachers which after school activities are locked and the keys are kept in the Direction bureau. Additionally we have hired a guard for securing the site

10.2 Can the room be locked in a way that the supervisors (e.g. teachers) can control access? If [yes / no + brief explanation]

Through our room rehabilitation, we have taken care and ensure that the room is well secured and is in suitable good condition. It can be locked and is well assuring the requested IT equipment. The room key will be kept by the Direction of the Center and daily activities are registered, each entry and exit and we have monitoring of the program

10.3. Is the room weather-proof? (e.g. does the room protect the laptops from rain, sand, etc.?) [yes / no + brief explanation]

According to technical rehabilitation works made recently on the room and the entire school, weather-proof has been carefully respected to respond to the international building standards. Students and the room are out of rain, sand, dust that may have negative impacts on the computers and the project as well.

COMPUTER MAINTENANCE

The requested computers will be usually hooked up to a central server and maintained by people with varying degrees of computer training. This means they are at risk from viruses, corrupt files, spyware and malfunction. We will maintain lab computers regularly in order to ensure that they don't crash prematurely.

1. Establish the perimeters of our computer lab according to our organization's rules. We will decide what search terms or websites we want to deny to our lab users. We will also establish the criteria for our firewall
2. Seek the help of an IT services or IT department, in case the students are not knowledgeable about computers.

We will ask the students or learners to seek the help of the administrator or IT staff if they have a problem

3. We will post a "Computer Lab Rules" sheet that clearly states computer lab restrictions. These may include prohibition of food and drink, downloading software, opening attachments, removal of equipment, access to illicit sites and more,
4. Plug all computer equipment into a surge protector. Spikes and surges in electrical power can break or damage electrical equipment, as well as lose lab user's data. This is important in country computer labs and places that are prone to lighting storms
5. We will set up a firewall. This is a protections system for your computer lab. Chooses a network layer firewall that will deny access to sites or programs that don't fit into the acceptable criteria you have chosen
6. Set up weekly updates or automatic updates for your lab computers. Many computer programs, such as Microsoft Office, update their software and protecting regularly. You will want to schedule these updates for a time when the computers are not in public use, and you may be able to do them from 1 central computer
7. We will install an anti-virus program on the computers and or network. This will usually stop a program from downloading if it suspects a virus. You can run daily or weekly reports on the computers to check more carefully for viruses
8. We will install an anti-spyware program on our computers and or network. Spyware programs install themselves onto computers to gather personal information. Anti-spyware programs will stop these harmful programs from corrupting or filling up our computer
9. We will back up our computers on a regular basis. If our computer lab becomes corrupted by a virus, we can return to previous backup to restore it.
10. We will use the hard disc cleanup and defragmentation utilities regularly. These Windows utilities regularly remove temporary files and keep the hard drive from fragmentation. If done on a weekly basis, the process will be shorter than if we do it on a monthly basis.
11. We will take care to not unplug printers, scanners, and other connected machines when the computers are on. We will reject any any USB devices before unplugging them. We will post this on our "Lab rules"
12. Turn off all computers by selecting the shutdown option on the desktop. Avoid pressing the Power button to turn off computers, if necessary, we will run the computers in the safe mode until we know what the problem is.
13. We will clean our computer lab regularly. The following are effective ways to clean a computer lab:
 - Dust computer screens using a thin, soft microfiber cloth. Dedicate 1 cloth to be used only on the screens. If dirt and debris from other surfaces gets caught in the cloth, it can scratch the computer screen
 - Vacuum the floor every day, if possible so and debris is likely to gather around the computers

- Dust all surfaces of the computers. If the fans in the Central Processing Unit fill with dust, the computer, the computer can overheat. We will thicker microfiber cloth to pull the dust from the surface
- We will use compressed air to clean out keyboards or disinfectant sprayed on a lint-free cloth on the keyboard and mouse, for sanitary purposes

11. How did you hear about Labdoo? :

--Search Engine (e.g. Google)

--At local Conference,

--At online Conference,

--From other organizations/companies:

New Hope Ministry believes in the United Sustainable Development Goals, we consider partnership as a common way through which both we can fill the said goals. We are in national and international collaboration networks of education organizations that recommended us to Labdoo and this is the way through which we got to know you.

--Facebook

--Instagram

--Other (please describe)

12. Picture(s) of the school, students, teacher, etc. with this Request Form. Please send as file(s) (*):

The picture will be uploaded to your project site

***The solicitation of a Labdoo laptop request implies that, upon receiving the laptops, the recipient agrees with the "Labdoo Laptop Recipient Agreement".

Labdoo Laptop Recipient Agreement:

Dear Laptop receiver:

We are very pleased to have the opportunity to contribute to your project by providing technology to help bridge the digital divide.

With every right come responsibilities. Technology, when adequately used, can provide very powerful means to aid those that are most in need. But if used improperly, it can also damage our environment. By receiving the above items, you are automatically accepting to abide by the following Labdoo global responsibilities:

(1) The items received will be used only for the purpose described by your organization at the time you solicited this donation.

(1.1) If you intend to use it for a different purpose, you will contact first the Labdoo team at contact@labdoo.org.

(1.2) Only schools and projects may claim for Labdoo computer donations and not by individuals.

(1.3) Donated items may only be removed from school ground with admittance of Labdoo (example, teachers cannot take laptops outside school). If Labdoo reviser visits your project and discovered donated items are missing, your school / project will be excluded from Labdoo support and CANNOT receive any further donation.

(2) In the case that an incidence occurs to any of the received items, you will contact the Labdoo team at contact@labdoo.org, including in your email the tagging number of the item(s) related to the incidence and a brief explanation. The following incidences must always be reported:

(2.1) At the end of life of any of the received items, so that the item can be properly recycled.

(2.2) When an item breaks, malfunctions or any change in its status.

(3) Every six months, please send an email to contact@labdoo.org with the list of laptops that you have and their status (working or not working).

(4) Labdoo laptops are offered for free to you for education purposes. In return, you agree to not use the laptops for commercial reasons and you agree not to charge any fee for the usage of the laptops.

(4.1) The donated items cannot be resold to make money or exchange with other valuable items.

(4.2) If discovered donated items are missing, your school / project will be excluded from Labdoo support and CANNOT receive any further donation.

(5) By returning this form filled in, the solicitor confirms owning all rights on sent materials (current or in the future) submitted to Labdoo.org and allowing such content to be publicly available from Labdoo.org. In addition, the solicitor confirms having approval for taking pictures of the children and/or any person benefiting from Labdoo laptops, tablets or any Labdoo donations, from their parents and/or legal guardians. Labdoo.org explicitly points to the fact that sent materials and pictures/photos may be used online and/or offline, and hence that they can be accessed by third parties, and that such pictures are used to help preserve the transparency and accountability of the projects.

We thank you for your commitment to make our world a better place and we wish you best of luck in your humanitarian mission.

The Labdoo Team.