

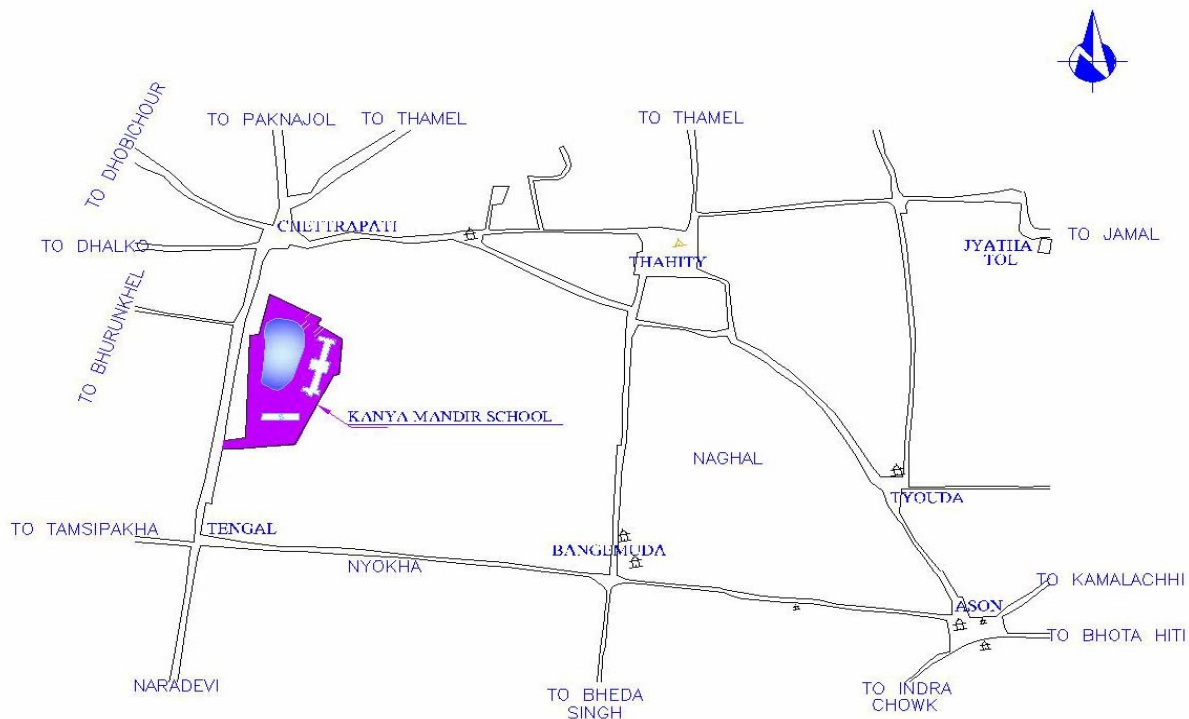
## Table of Contents

<b>Introduction</b>	1
Figure 1: Location Map	1
<b>Historical Background</b>	2
<b>Needs and Assessment</b>	3
Figure 2: Survey Response - Educational Ranking	5
Figure 3: Survey Response -Common Facilities Ranking	5
Figure 4: Survey Response - Others Ranking	5
<b>Methods</b>	6
Computer Lab	
Figure 5: Proposed Computer Lab Location and future Block B Floor Plan	6
Figure 6: Project Items	8
Library and Staff Room	9
Lap Tops and Multimedia Projectors	9
Maintenance	9
Course Material	10
Figure 7: Course Description	11
Equipment Purchase	11
Figure 8: Price Quotation Comparison	12
Security	12
Internet Connections	12
Parent Awareness	13
Faculty Training	13
Monitoring	13
Evaluation	14
Project Personnel	
<b>Financial</b>	14
Figure 9: Financial Need Breakdown	15
<b>Computer Literacy and Rehabilitation Project</b>	16
<b>Timeline</b>	16
Figure 10: Implementation Schedule	17
<b>Future and Other Necessary Funding</b>	17

## I. Introduction

Community Members Interested (COMMITTED) is a non-profit organization incorporated to assist local governments of Nepal to provide health, safety, & welfare to their communities. Currently COMMITTED is working to initiate the Kanya Mandir Computer Literacy Project to benefit the first girls' school of Nepal, Kanya Mandir Higher Secondary School (Kanya Mandir) of Nheokha Tole, Kathmandu, Nepal. The proposed project includes a computer lab for the public school, identified as the most needed facility from a recently conducted students and staff needs assessment survey. The project is a part of an ongoing effort to revive the school's glorious history through a rehabilitation program. The major component of the program is the preparation of the master plan and implementation of facilities identified by the plan. In addition to the master plan project we identified an immediate need, a walkway shed to protect the structure from adverse weather conditions. Because of Kathmandu's brutal monsoon the absence of the shed has damaged the walls and ceiling underneath. The walkway shed has been built.

Figure 1. Location Map (not to scale)



Among all needs identified under the education related facilities the needs assessment survey indicates that a computer lab should be given the highest priority. Even in the 21<sup>st</sup> century the school does not conduct computer classes. Without computer education we will see each batch of students graduate incompetent to acquire higher level education, unable to secure jobs and lack entrepreneurship skills compared to students graduating from private schools who receive formal computer lessons. COMMITTED echoes with the sentiments of the students and seeks to provide a computer lab. In

In addition, we are seeking to provide the lab with a multi-media projection system and a few additional computers for the library and the staff room with internet connections. The project aims to not only provide a computer lab but also educate the faculty members in becoming computer literates and enhance their teaching techniques utilizing some of the available computer tools. Such an approach will provide an opportunity for the students to be exposed to various computer tools.

Committed was informally organized in 2002 to assist surviving family members of 17 young people of Jogimara, Dang District, Nepal who perished in the line of fire between the Royal Nepal Army and the Maoist rebels. In 2004, the organization incorporated officially as a non-profit organization with a vision to assist local governments to provide health, safety, and welfare by establishing community plans and implementing projects identified in the plan. Currently COMMITTED-U.S. is established in the State of Virginia and is tax-exempt under section 501-(c)(3) of the IRS code and COMMITTED-Nepal (Samudayik Sadasya Heet (सामुदायिक सदस्य हित)) as a non-governmental organization (NGO) in Kathmandu, Nepal.

Current times for Kanya Mandir is difficult. The Ministry of Education and Culture, the Government of Nepal, recently declared Kanya Mandir a community school. This means that the school is eligible for government funding and self management with community input. However, the resources from the ministry are limited, forcing the management to levy charges from the students in order to break even with operating costs. The school management committee is struggling to meet all needs and concurrently is burdened with the pressure to accommodate more students every passing year. With the Kanya Mandir Rehabilitation Project, COMMITTED hopes to preserve the school's rich history and help flourish the first girls' school of Nepal. Considering the fact that the school is an all-girls institution, in a region where gender discrimination is high, the deteriorating condition of Kanya Mandir is not alarming. Because gender based inequality is still on the forefront of Nepali society, COMMITTED affirms the need to take aggressive steps in the school's rehabilitation and in turn assist in elevating the standard of education for girls. According to the United Nations International Children's Emergency Fund (UNICEF), as of 2005, Girls' enrollment in primary schools as a percentage of boys' is 89% and in secondary schools, 78%. Overall only half of adult Nepalis—and only one-third of women—can read or write. Although significant improvement has been made to elevate enrolment rate for girls more aggressive actions are needed. Nepal has a female population only slightly lower than the male population, female to male population ratio being 96%.

## II. Historical Background

During the Rana regime education was restricted to only the royal few. Education for commoner girls was a far fetched idea. In 1948 (Bikram Sambat (B.S.) 2003), Narayan Bahadur Shrestha with help from close relatives and associates gave birth to the first school for girls. A public school was considered illegal at the time and school activities were a big secret confined within a few student families. There were thirteen students comprised of children of relatives and friends and classes were

conducted in small dark rooms with hay floor mats to seat students. With change in regime came freedom for education for the commoners. Kanya Mandir Madhyamik Vidyalaya was officially established as the first girls' school of Nepal in 1951 (B.S. 2007) and inaugurated by late King Tribhuvan Bir Bikram Shah Dev. Along with the inauguration, Ikha Pokhari (local pond) and the surrounding land were donated to the school by the government. In 1966 (B.S. 2022) Mohan Sumsher Junga Bahadur Rana (ex prime minister of Nepal) donated approximately two thousand dollars (Nepali Rupees (NRs) 1,50,000) to build the current school building. The school progressed rapidly with each passing year and by 1980 (B.S. 2036) there were one hundred sixty nine School Leaving Certificate (SLC) graduates. Kanya Mandir relished its successes mainly in the years between 1960 (B.S. 2016) and 1984 (B.S. 2040) when students of the school secured SLC Exam Board placements (top ten ranked students in the country) and also were recipients of the prestigious Ratna Bidhya Padak awards.

### III Needs Assessment

As mentioned earlier girls' enrollment as a percentage of boys' is 89% in primary schools and 78% in secondary schools. According to the United Nations Educational, Scientific and Cultural Organization (UNESCO) 2004 data only 65% of girl students complete a full course of primary school education. One primary reason for the lower enrollment and drop out compared to boys is gender discrimination. The education level attainment not only leaves women behind compared to men but also affects national income. A worldwide research conducted by the UNESCO Institute in 2005 involving 174 countries indicated that countries that had upper secondary level education gender parity index of 1.0 or greater (ratio of female education attainment compared to male) resulted in a higher amount of national income compared to nations that had a lower ratio.

When compared to Nepali private schools of Kathmandu, Kanya Mandir currently lacks the basic infrastructure necessary for upbringing children. The school currently has two buildings for school use and one building rented out to



generate revenue for school operations. The school runs classes from kindergarten up to grade twelve. There are 726 students ranging between four



students in grade twelve to 141 students in grade ten. All 68 students of grade 9-C are taught in one room. There is only one laboratory (20' x 60') for physics, chemistry, and biology practical lessons. The school, as of now, does not offer any computer classes. A few vocational trainings offered focus on providing opportunities to women no different than what has been accepted

traditionally in the Nepali society. The offered trainings are cooking, knitting, and stitching. The existing library is small and infested with termite. Immediate remedy is necessary to salvage the precious book volumes that



serve the students. The main school building, block A, is structurally challenged and traces of mold are visible in damp section of the walls. Several locations have cracks on the



walls and ceilings. There is one unpaved basketball court to serve the entire school population. The school has two toilet facilities: one for the students and the other shared by the male and female staffs. All toilets are not connected to the city's sewer system. The toilets connected to the septic system have failed. Within twenty feet from the septic system is a ground water well that serves the school's population. Because the failed septic location is in close proximity of the well, use of the water from the well could lead to serious health hazards.

To better understand the school's needs COMMITTED recently conducted a needs assessment survey in which faculty members and students from grade six through twelve participated. In total 325 responses were received. The selected approach for collecting Kanya Mandir's needs assessment was through a paper-based survey in which respondents were asked to prioritize specific school needs by category. The summary of the education related, common facilities related, and other category responses are provided in Figures 2-4. In the Education related choices the majority of the respondents ranked computer lab as being the most important choice. This is followed by science lab, library, and an arts/crafts Room. In the Common Facilities related category toilet facilities was ranked first and health clinic second. In the Others category a bus service was ranked the highest and in the general open ended questions a general improvement to the building and school premises were identified as priorities.

COMMITTED concurs with the students and as recommended by the survey regarding the most prioritized needs under each section: computer lab, toilet, and a bus service. However, the connection of the sewer lines and plumbing for the toilet facilities can only result from a detailed master plan preparation. In the case of providing a bus service, absence of necessary survey respondents indicating their residence makes it difficult to plan for a bus service. All needed facilities identified in the survey including the toilet facilities and the bus service will be included in the master plan and implemented accordingly. The computer lab is the only project which can be implemented without affecting the outcome of the master plan.

**Figure 2: Survey Response - Educational Ranking**

Ranking	Choice
First Choice	Computer Lab
Second Choice	Science Lab
Third Choice	Library
Fourth Choice	Arts/Craft Room
Fifth Choice	Bachelor's Program

**Figure 3: Survey Response -Common Facilities Ranking**

Ranking	Choice
First Choice	Toilet Facilities
Second Choice	Health Clinic
Third Choice	Cafeteria
Fourth Choice	Auditorium

**Figure 4: Survey Response - Others Ranking**

Ranking	Choice
First Choice	Bus Service
Second Choice	Pond
Third Choice	Pre-School Room
Fourth Choice	Staff/Teacher Room

Even in the 21<sup>st</sup> century girls of Kanya Mandir are not being provided the opportunity to keep up with the computer age and there are three factors for this impediment: 1. Most of the private schools in Kathmandu that charge exorbitant fees are well equipped with computers and provide computer classes whereas Kanya Mandir is a public school and does not receive enough support from the government to conduct such classes; 2. Because the children of Kanya Mandir come from economically challenged families access to computers at their homes is limited; and 3. In the male dominated Nepali society, because of financial constraints investment on boys' education is considered more fruitful. Opportunities and encouragement provided by parents, government, and the society are heavily biased towards boys. A few vocational trainings offered for the Kanya Mandir girls focus on providing opportunities no different than what has been accepted traditionally in the Nepali society. COMMITTED is striving to eliminate the gender disparity that has for long remained embedded in Nepali culture. One of the ways to balance the opportunities is by uplifting the competency level of girls from the school-going age. To uplift competency level providing opportunities for computer comprehension is a must.

Computer use as a course has been recognized by the school board but is not mandatory. The school board has provided an option to allow all secondary schools to include computer courses for SLC examinations. It is evident from the recent survey conducted that the students desire to include computers as an SLC examination subject. But the school has not been able to take this step because of financial incapability. The school currently is in possession of six desk top computers and six lap top computers donated by a few kind citizens from Japan. Also, COMMITTED has been able to acquire one of the three needed multi-media projectors. However, much more is needed. COMMITTED's goal is not just to provide a computer lab but also to increase the computer literacy level of the students and faculty members of Kanya Mandir. While a computer lab for the students is necessary it is equally essential to increase the computer literacy level of the faculty members so that they adopt computer aided teaching techniques which will help increase awareness of tools that enhance performance of both students and the faculty members. We believe setting up a computer literacy base for all graduates of Kanya Mandir will prove to be fruitful. The management committee has agreed to formulate a program in which selected teachers would conduct some of their classes using power point slides instead of blackboards. Also, we are encouraging teachers to expose the students to not only subject materials specific to assigned books but also to other view points on the subject matters. The teachers can easily acquire the needed extra material with the use of the internet that is being proposed in the library and the staff room. The provided computers with the internet connections will also be used to teach students to send and receive emails, conduct research for group projects, and for entertainment and many other academic purposes the world-wide-web offers. Instead of wasting time copying notes teachers will be encouraged to distribute notes and engage students to listen and participate in discussions relevant to subject matters.

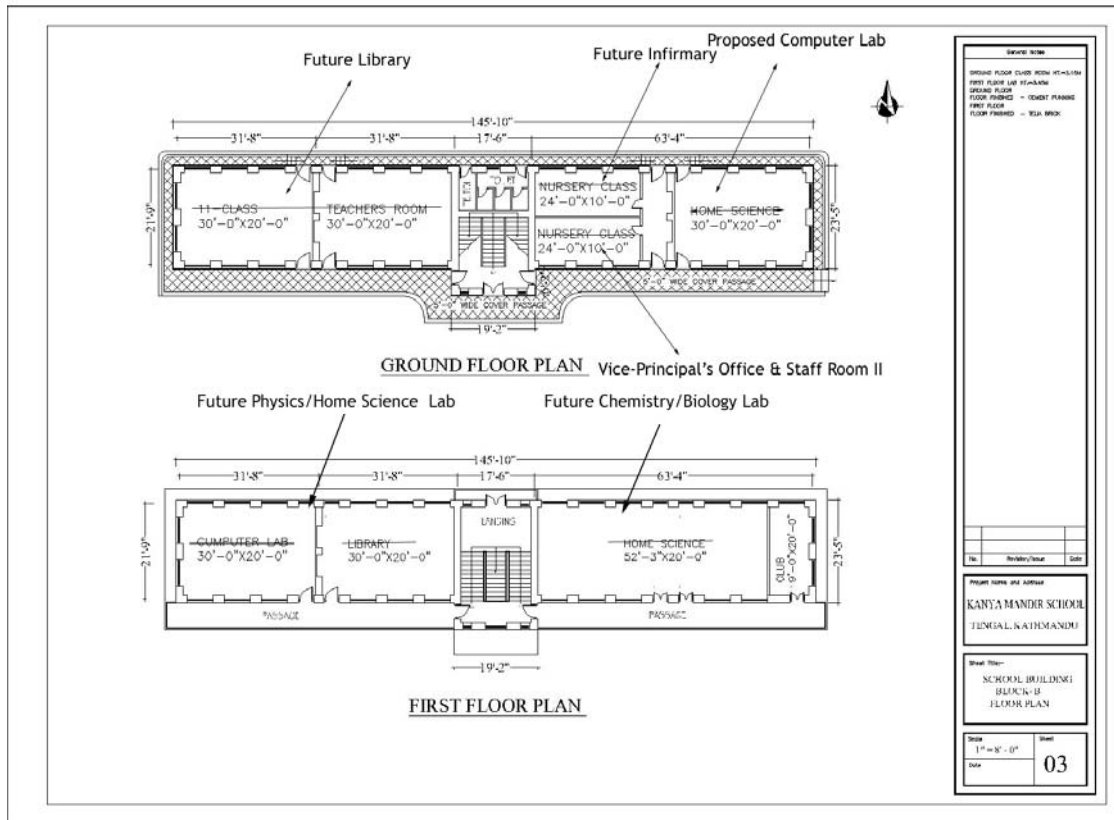
#### **IV Methods**

The computer lab will be equipped with 25 desk top computers (24 for students and one for the instructor), two inkjet printers, one scanner, and an overhead projection system for instructions. Four computers will be provided in the staff room of block A for staff use and four computers in the library for students with internet connections. All computers are to be accompanied by unlimited power supply (UPS) units and will be interconnected with a networking system through a server. Another multimedia projector will also be provided for making classroom presentations. One multi-media projector has been provided by COMMITTED which is being used to screen educational documentaries on a regular basis, and make presentations by faculty members during special occasions and classroom lectures. All stations will also be equipped with desks and chairs and necessary upgrades in the lab room such as fixing windows, doors, lighting, painting and installing ceiling fans will also be made. The details of each component of the project are described in detail below.

### Computer Lab

The computer lab, of 30' x 20', will be located in the current Home Science room on the ground floor of Block B building as shown in Figure 5. Block B is appropriate because the ongoing master plan project envisions this building to function as the lab block. The size of the room is also adequate as a fully functioning lab needs twenty four computer stations for the students and one station for the instructor with an overhead projection system.

Figure 5. Proposed Computer Lab Location and Future Block B Floor Plan



Because it is likely that a majority of the students would be exposed to computers for the first time classes will be designed to teach students on a sharing basis, two students per computer. A computer sharing type of arrangement will allow students to support one another and help in confidence building. It will also allow more students to be accommodated during one lecture, 48 students at a time. All stations will be lined up four in a row facing the instructor's station in the eastern section of the room with an isle at the center. The projector will be mounted on the ceiling with a screen on the eastern wall. The lab will also be equipped with two printers and one scanner. There are a total of 33 computer stations needed for the school of which the school is in possession of six and needs 27 additional computers. Of these 33 computers 25 will be located in the lab. One will be used by the instructor and 24 will be used by 48 students on a sharing basis. In addition to the computers other items are also being furnished in the lab such as ceiling fans, carpet, additional lighting, paint work,

windows and door security screens, chairs, and desks. The server will be located in the room between the proposed computer lab and the current nursery classrooms.

Figure 6. Project Items

Item	Description	Total Required	Unit	In Possession	Need
1	Desktop	33	Number	6	27
	<i>Lab</i>	25	<i>Number</i>	6	19
	<i>Library</i>	4	<i>Number</i>	0	4
	<i>Staff room</i>	4	<i>Number</i>	0	4
2	Server	1	Number	1	0
3	Printer (Lab, Library, Staff Room)	6	Number	0	6
4	Scanner (Lab, Staff Room, Library)	3	Number	0	3
5	Unlimited Power Supply (UPS) Units (All)	33	Number	0	33
6	Internet Connections	10	Connections	0	10
7	Multi-media Projector	3	Number	1	2
8	Projector Screen	3	Number	3	3
9	Computer Table	18	Number	0	18
	<i>Lab (8'6"x2'</i>	12	<i>Number</i>	0	12
	<i>Lab (3' x2')</i>				
	<i>Instructor Desk</i>	1		0	1
	<i>Staff Room 8'6"x3'</i>	2	<i>Number</i>	0	2
	<i>Library 8'6"x2'</i>	2	<i>Number</i>	0	4
10	Chair (Wooden or Folding Metal)	33	Number		33
	<i>Lab</i>	45	<i>Number</i>	0	45
	<i>Library and Staff Room</i>	8	<i>Number</i>	0	8
11	Carpet (Lab - Wall to Wall 20'x30')	600	Sq. Feet	0	600
12	Window Security Screens (Grillwork)	6	Number	0	6
13	Door Security Screen (Grillwork)	1	Number	0	1
14	Painting (Room)	1	Number	0	1
15	Ceiling Fan	6	Number	0	6
16	Tube Lights	10	Number	0	10
17	Wiring Work	1	Job	0	1
18	Network Setup / Cable Work (All)	100	Linear Meter	0	100
19	Maintenance Contract	1	Year	0	1
20	Computer Instructor	12	Month	0	12

### ***Library and Staff Room***

One of the steps to be initiated by the faculty members is to go beyond the blackboard, repetitive, and jotting notes type of teaching currently prevalent in the school. Where applicable, teachers would be required to initiate student group projects, make power-point presentations during classroom lectures, and provide opportunities for students to make presentations. The teachers are also encouraged to provide contrary views of subjects being taught and encourage student participation in discussions. For all programs to be conducted as envisioned computers with internet access needs to be made available for staff as well as students outside the lab. For this, we will be providing four computers each with internet connections in the staff room (Block A) and the library (Block B). The library and the staff rooms will also be equipped with two printers and one scanner each. The current library (30' x 20') that is in the upper floor of block B is in need of expansion. We are recommending that the library be relocated to the ground floor so that it is in line with the computer lab location. Such an arrangement will require less cable work. The library will also need to be expanded to accommodate the computer stations. The relocation from the first floor location (30'x20') to the ground floor location (60'x20') will address the space issue. The expansion project will be addressed in detail during the master plan phase. The staff room is currently located in Block A adjacent to the principal's office. The four computers with internet connections will be located in this room for teachers to conduct research and prepare course material. These units will be connected to the server located in Block B.

### ***Laptops and Multimedia Projectors***

The school is in possession of six lap top computers and one projector. The currently available projector is being used to screen educational movies and documentaries. Of the additional two projectors being provided one will be used in the computer lab and the other will be used by the faculty members to make presentations for teaching purposes. Projection screens and projector mount brackets will be custom made in Nepal during the project implementation phase. The principal and vice-principal offices both will be equipped with one lap top each and the remaining four laptops and the projector for teaching purposes will be stored in the server room adjacent to the computer lab along with other computer related equipment that may be made available in the future. Each check-in and check-out of the lap top and the projector will be logged by the vice-principal.

### ***Maintenance***

With purchase of the computers a free one year's maintenance contract will also be provided by the vendor. From the second year onwards, the computer instructor will be in charge of maintenance. For this reason COMMITTED will select a qualified computer instructor capable of teaching software use and maintaining hardware, software, and network.

### *Course Material*

The school board currently allows computer education as an optional subject and the courses assigned for the School Leaving Certificate exam is shown in Figure 7, but are not mandatory. COMMITTED and the school's management committee see this as a great opportunity to introduce the course as one of the subjects for SLC examination. Computer classes therefore, will be mandatory for students from grade VI to Grade XII. Although the SLC exam is held after the completion of grade X with curriculum designed for grades IX-X, the project will provide an opportunity to learn computer skills well in advance as early as grade VI. The entire computer literacy project courses will be designed, implemented, and monitored by the Computer Literacy Project Committee (CLPC) (see Evaluation section for CLPC details).

The lower grades will be taught basic computer concepts and the easier functions such as typing, saving, copying, pasting and general editing functions of Microsoft products. Complex functions such as creating forms, mail merging will be taught to higher grade students. Basic operations such as connecting with printers, scanners, and fax machines will also be taught. The strategy to familiarize the students and staff to computers is four fold.

1. A special course will be designed for students of grade VII and VIII as they will be at a disadvantage when compared to grade VI students. Grades VII and VIII students will need to absorb more course material within a short period of time compared to students of grade VI. Assuming that all students have zero computer literacy, grade VIII students would have to start from the bottom of the computer literacy ladder to the top within a year. Whereas, the students of grade six have three years to attain a similar level of computer literacy.
2. Students in grades IX have sufficient time to absorb the SLC curriculum but clearly students of grade X are at a disadvantage when compared to grade IX. The students of grade X will also be provided an opportunity to sit for the SLC exam for which a tailored course consisting of subjects taught in grade IX will need to be incorporated. Grade X students will have to absorb the entire SLC curriculum in one year.
3. Because students of grades XI and XII will not have had any computer training as the rest of the school, a special course that provides training on programs such as word, excel, power point, paint and other courses taught in the lower grades will be taught in addition to the university designed curriculum.
4. Special training sessions for teachers will be conducted so that all teachers are capable of using word processors, excel spreadsheets, power point slides, and the internet and emails within two years. All teachers will be expected to provide class notes using word processor and spreadsheet. Records of all grades and student performance are expected to be kept in spreadsheet files. Occasionally some of the classes will be taught using power point slides.

The complexity of the various courses designed for different groups will be phased out by the time the students of grade VI reach grade X.

Figure 7. Course Description

Grade	Basics
VI	Computer concept, types, hardware and software, windows, accessories, word, excel,
VII	Evolution of computers, generation, hardware, software, windows word, excel, power point, algorithm and flow chart
VIII	Hardware (Adv), software, windows word (adv), excel (Adv), power point (Adv), algorithm and flow chart (Adv)
IX & X (SLC Board Curriculum)	Networking and telecommunication, internet, computers and social impact, security, IT policies, cyber laws, intro to viruses, multimedia, word, excel, power point, access, basic programming, ms dos
XI (University Curriculum)	Number systems, Boolean algebra, systems, operating system, DBMS intro, software installation
XII (University Curriculum)	System development, data management, network concept, program language, computer & society, state of the art and future trend in computer technology, project work

### *Equipment Purchase*

COMMITTED will initially attempt to acquire donated used computers from various agencies in the U.S. and ship them to Nepal for use in the lab. Although this would be the preferred method, acquisition and shipment of worthy computers will be a tedious process and require substantial coordination from all parties including shipping companies. If this strategy is deemed unsuitable COMMITTED will pursue with purchasing locally assembled computers in Nepal. Due to the high cost of branded computers the project will utilize locally assembled high quality desktops at a much lower cost without sacrificing quality. Locally assembled desktops can also be purchased in large numbers compared to branded computers that have to be imported.

A total of three vendors were requested to provide quotations of which Techno Trading Ltd. has been selected to provide all computer related equipment. Other two companies that provided quotations are HIMTECH and Plus Computer Traders (PCT). The quotations provided by all three companies are provided as a package. The selected provider is expected to provide one year of replacement warranty and one year of maintenance. After expiration of the 1<sup>st</sup> year's maintenance contract the school will be responsible for maintenance of all equipment utilizing the computer instructor's services. Because multi-media projectors in Nepal are expensive compared to the U.S., the projectors will not be purchased in Nepal. Two projectors will be bought in the U.S. and sent to Nepal through friends of COMMITTED traveling to Nepal. Local small-business vendors will be used to install other project items such as ceiling fans, furniture, door and windows security screens, paintwork, lighting and wiring.

Figure 8. Price Quotation Comparison

	Specifications	Per Unit	Quotations (\$)		
			Techno Trading	HIMTECH	PCT
1	<b>Assembled Computer</b> Intel Celeron 2.26 GHz Processor Intel Chipset Motherboard 256 MB DDR RAM 333Mhz 40 GB Hard drive 5400 Rpm Optical Mouse, 108 Key Keyboard 10/100 Ethernet Card 15" Color Monitor( Digicom) 4xUSB 2.0, 1xparallel,1xVGA, 2xPS2 Dust cover, Stereo Head Phone, CPU Power Cable, Mouse Pad Operating System and Basic Software Replacement warranty 1 year 1 Year Service, AMC	27	7,290	8,046	7,290
2	<b>Canon Inkjet printer</b> BJC 1000lpx	6	294	330	330
3	<b>Canon Scanner</b> 2400X 1400 Dpi	3	147	159	198
4	<b>UPS</b> 600VA 15 min backup	33	1,221	1,254	1,617
5	<b>Network</b> 10/100 HUB/ Switch 16 port	2	112	115	120
6	<b>Network &amp; Cable Work</b> CAT 5e Cable	100 Mt	21	30	25
			9,085	9,934	9,580

### **Security**

The ongoing Master Plan process indicates Block B as appropriate for all lab activities. Because of the high volume of students the lab will be used round the clock. The vice-principal's office as well as area for a few staff members is also planned to be relocated to Block B, specifically adjacent to the planned computer lab location providing constant monitoring. The doors and windows of the lab will also be remodeled to provide additional security. The lab will remain locked and the keys will be controlled by the vice-principal when the lab is not in use. Four laptops and one projector for teaching purposes will be stored in the server room adjacent to the computer lab along with other computer related equipment that may be made available in the future. Each check-in and check-out of the lap top and the projector will be logged by the vice-principal

### **Internet Connections**

Currently only eight computers, four computers each in the library and the staff room, will have internet connections. Over time, if needed, the units in the lab will also be connected to the internet. Cable internet technology at 128 bps that can provide connections up to 10 computers will be used. In addition, the internet provider will provide one dial up connection for emergency purposes. Strict

internet use guidelines and policies will be established. The internet is to be used to research course related material, educate children and staff for communication purposes, and other necessary research activities to benefit the school's management activities. Downloading unrelated content such as music, and movies will be prohibited. The first year's cost for internet access will be provided through the project. From the second year onwards it will be the school's responsibility to provide funds for internet access.

### *Parental Awareness*

Most of the students' homes are not equipped with computers. It is also not expected that the parents of Kanya Mandir students will purchase a computer for home use any time soon. However, with the availability of computers in the market at relatively low prices, we hope to convince parents over time that computers are a necessity and should be purchased to benefit their children's education. CLPC will conduct parents/faculty/student interaction programs where computer literacy of the students will be exposed and faculty members will provide further reinforcements regarding the need of computer literacy. With assistance from various financial institutions and computer dealer loan programs we will strive to make computer purchase less burdensome for every student home.

### *Faculty Training*

The faculty members currently are not extensively familiar with computers. Staff's competency in computer usage is an important part of the strategy to provide computer literacy to the students of Kanya Mandir. Some of the faculty members exhibit some knowledge but is not sufficient. During the first year, in addition to teaching the students the instructor will also train faculty members to prepare for classes using power point slides, use word processor to prepare class notes, use internet to conduct research on course material, and excel spreadsheets to tabulate grades and evaluate student performance. Training sessions will be held regularly to familiarize the faculty members with different software programs that are available to make teaching and learning challenging but gratifying experiences. The training sessions and familiarization with computer usage will be monitored by the CLPC and evaluated by COMMITTED at the end of each year.

### *Monitoring*

The initial few years are crucial for the school and much of the success of the computer literacy project is dependent on how the courses are carried out and how well the students perform in the exams carried out by the University (for grades XI & XII students), SLC Board (for grades IX and X), and the CLPC (for grades VI, VII, VIII students). One of the requirements of the project is to form the CLPC whose functions are to formulate evaluation criteria, course design, and project monitoring. The committee shall be formed with the class teachers of grades VI-XII, computer instructor, principal, and three COMMITTED staff members. The project executive will monitor the computer literacy project for five years. The staff members' teaching capabilities will also be evaluated at the end of each year.

### *Evaluation*

The evaluation criteria for the students' performance will be formulated by the CLPC and the criteria will be based mainly on how well the students perform in theoretical and practical exams. In addition, the extent of research they conduct on group projects will also be factored. COMMITTED will also evaluate the faculty members at each year end. During the process we will evaluate the extent of trainings carried out and the use of computer by the faculty members in their daily school activities such as frequency of using PowerPoint slides to teach, making use of excel for grading and tracking student scores, using word processors to handout class notes, and use of internet to conduct research on subject matters. All teachers are expected to attain some competency in the above mentioned tools within two years. The evaluation criteria will be formulated with the help of the CLPC. Failure to pass the evaluation in three of the five project years will result in nullification of the contract and all donated equipment will be withdrawn by COMMITTED to be donated to another deserving public school.

### *Project Personnel*

A project executive with substantial experience in development related field and an aide will be hired for this project. A computer instructor will also be hired and will be responsible for designing the course material, teaching, training, and maintaining all computers with help from the CLPC. The school will collect a technology fee from each student to cover the instructor's salary and other operating costs such as printer ink, paper, and other maintenance expenses. An instructor with at least a bachelor's degree in computer hardware and software with extensive experience in teaching will be interviewed and the most qualified candidate will be selected. Female candidates will be preferred. The instructor will also be responsible for the maintenance of the lab and the computers in the staff room and the library.

## **V Financial**

The fund requested from the grantor is U.S. \$23,253 and includes all costs necessary to initiate the computer literacy project. The lab would be in operation by April of 2008, approximate class commencement date. The need to purchase and install all the equipment necessary and have the lab in operation would require \$22,357 of which \$13,054 is considered as donated because the school and COMMITTED have jointly acquired six computers, one multi-media projector, and one server. Lab renovation, electrical fixtures, and furniture have already been provided by COMMITTED. The cost to oversee the project during installation and monitoring is \$12,816 which is comprised of staff salary (2 of 5 years), travel, communications, equipment, furniture, and space use. Of this amount, \$2,616 is being donated by COMMITTED. Only the first two years will be charged to this grant request. The cost for the remaining three years of monitoring will be absorbed by the master plan project that is currently being formulated.

Figure 9. Financial Need Breakdown

Item	Description	Need	Unit	Unit Cost (\$)	Total (\$)	Donated (\$)	Requested	Remarks
1	Desktops	33	Count		8,938	1,625	7,313	
	<i>Lab</i>	25	Count	271	6,771	1,625	5,146	<i>6 Units in Possession</i>
	<i>Library</i>	4	Count	271	1,083	0	1,083	
	<i>Staff room</i>	4	Count	271	1,083	0	1,083	
2	Server	1	Count	451	451	451	0	COMMITTED Donated
3	Printer	6	Count	49	292	0	292	
4	Scanners	3	Count	49	146	0	146	
5	Multi Media Projector	3	Count	1,000	3,000	1,000	2,000	COMMITTED Donated
6	UPS	33	Count	36	1,192	0	1,192	
7	Internet Connections	10	Connections	150	1,500	0	1,500	
8	Computer Table	17	Count		2,049	1,895	154	
	<i>Lab (8'6"x2')-Students</i>	12	Count	146	1,750	1,750	0	COMMITTED Donated
	<i>Lab (3'x2')-Instructor</i>	1	Count	146	146	145	1	COMMITTED Donated
	<i>Staff Room ( 8'6"x2')</i>	2	Count	49	97	0	97	
	<i>Library ( 8'6"x2')</i>	2	Count	28	56	0	56	
9	Chairs (Wooden or Folding Metal)	57	Count		633	544	89	
	<i>For Lab</i>	49	Count	11	544	544	0	COMMITTED Donated
	<i>Library and Staff Room</i>	8	Count	11	89	0	89	
10	Carpet (Lab - Wall to Wall 20'x30')	600	Square Feet	0	125	125	0	COMMITTED Donated
11	Window Security Screens (Grillwork)	6	Count	10	63	0	63	
12	Door Security Screen (Grillwork)	1	Count	175	175	0	175	
13	Paintwork	1	Job	208	208	208	0	Kanya Mandir
14	Electrical Installations (Ceiling Fans, Lighting)	1	Job	694	694	694	0	COMMITTED Donated
15	Network Setup	1	Hub Count	111	111	0	111	
16	Cable Work	100	Meters	0	21	0	21	Approximate
17	Maintenance Contract	1	Year	0	0	0	0	
18	Computer Instructor	12	Months	230	2,760	2,760	0	Kanya Mandir
<b>Subtotal</b>					<b>22,357</b>	<b>9,304</b>	<b>13,054</b>	

B. Salaries & Wages

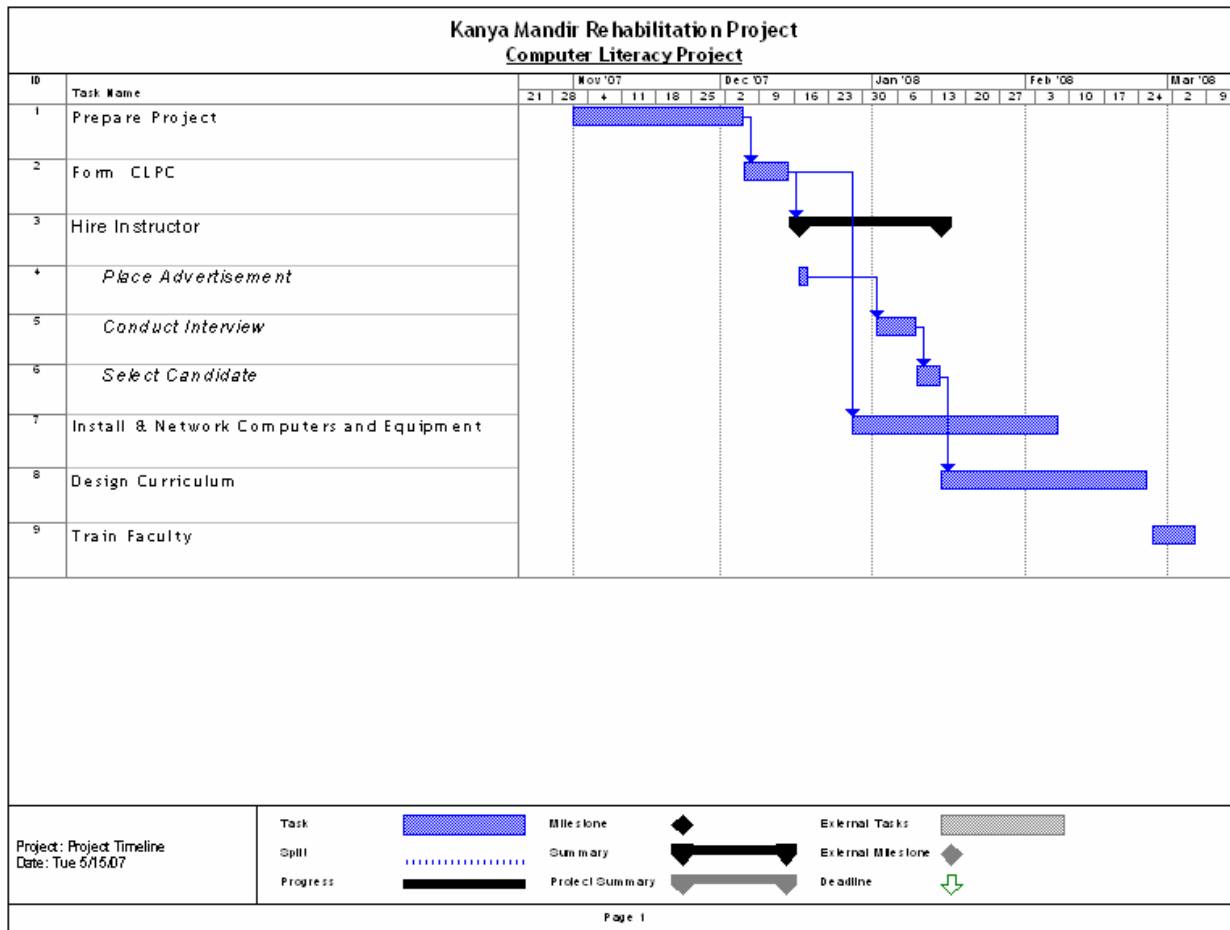
SI. No.	Types	Rate/Month Year 1	Rate/Month Year 2	Required Total Year 1	Required Total Year 2	Requested	Donated
	Project Executive - Nepal						
2		\$400.00	\$200.00	\$4,800.00	\$2,400.00	\$7,200.00	\$0.00
3	Project Aide	\$200.00	\$0.00	\$2,400.00	\$0.00	\$2,400.00	\$0.00
<b>Subtotal</b>				<b>\$7,200.00</b>	<b>\$2,400.00</b>	<b>\$9,600.00</b>	<b>\$0.00</b>

C. Other Expenses

	Rate/Month	Months	Required Total	Requested	Donated
1 Staff Travel	\$25.00	24	\$600.00	\$0.00	\$600.00
<b>Subtotal</b>			<b>\$600.00</b>	<b>\$0.00</b>	<b>\$600.00</b>



Figure 10. Implementation Schedule



### VIII Future Funding

The fund requested in this proposal is to meet costs associated with the purchase and installation of the computers in the lab, library, and the staff room and for the evaluation and monitoring phases of the project. There will be additional funds needed for the evaluation and monitoring phases after the first year which will be absorbed by the master plan project. The instructor will be a part of the school faculty from the second year onwards. The school will charge a nominal technology fee (\$1-1.5 per month) from each student of grades VI through XII to pay for lab maintenance and instructor's salary.