

SMART ICT BASED EDUCATION SYSTEM FOR COMMUNITY/GOVERNMENT SCHOOL



Proposal

Cybernetics Pvt. Ltd.

In association with Nepal Telecom
(for Remote Internet Access)

2018



It is an educational tool developed by Cybernetics Pvt. Ltd. that helps to incorporate community schools and authoritative government and corporate houses like bank and industries.

1. INTRODUCTION:

Looking at the present scenario of education system in remote areas and for the purpose of Development of Community Schools, Cybernetics Pvt. Ltd. has developed a new innovative smart solution in the market named as '**SMART ICT BASED EDUCATION SYSTEM FOR COMMUNITY/GOVERNMENT SCHOOL**' as a bundling partner of Nepal Telecom. It is an industrial router which can support **CDMA/GSM/WCDMA/4G** and hence it is applicable in both urban and rural areas where Nepal Telecom's signal is present. It is an educational tool developed by Cybernetics Pvt. Ltd. that helps to incorporate community schools and authoritative government and corporate houses like bank and industries. It helps in processing, storage, graphical statistical representation and retrieval of relevant, up-to-date and demand driven data and information of schools via remote monitoring and management for quality improvement in education.

2. OBJECTIVES:

Our main objective is to contribute in the development of following areas:

1. education,
2. health,
3. transportation and
4. community development

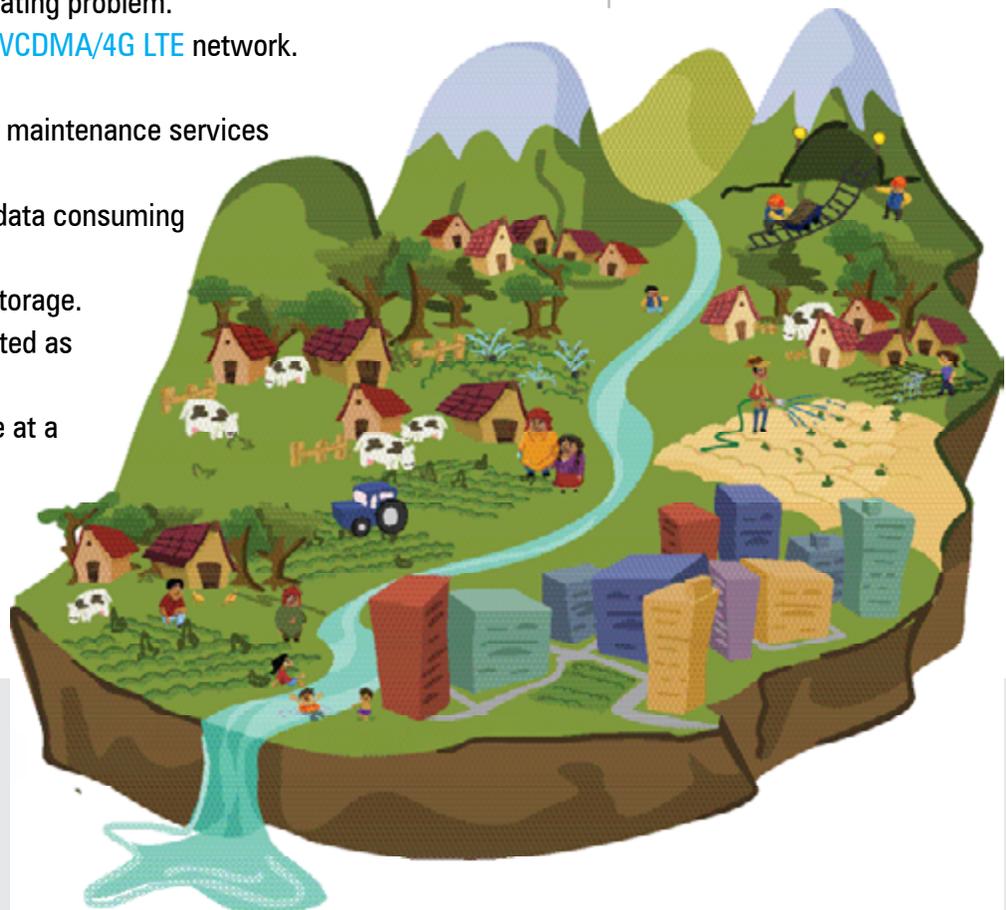


3. CYBERNETICS SIBES INCLUDES:

- Can view graphical and statistical representation of report for particular school or desired user.
- Provides detail information about total consumption of internet data, last active time of the device, signal strength of the network, location of the device, device properties, etc.
- User view, device wise and top Statistics wise report/data can be accessed for each school/desired user.
- Provide information about the devices whether it is switched on or off.
- Can view the internet data usage on the data uses on the daily basis.
- Can insert or update academic and non-academic educational contents as desired.
- Provides internet facility in the remote areas or community schools.
- Provides remote access and management.

4. BENEFITS OF CYBERNETICS SIBES:

- ✓ There is facility of rich content storage.
- ✓ Applications, audio lectures and educational videos, which constitutes of learning materials can be installed in its memory card. The videos can be streamed offline and the applications can be download offline as well in any devices like mobiles, laptops and so on. Then, the downloaded applications can be used. This facilitates huge data saving as internet connection will not be required to access them.
- ✓ Can be turned on 24 hours without heating problem.
- ✓ Can Surf internet using [CDMA/GSM/WCDMA/4G LTE](#) network.
- ✓ Easily and rapidly deployable.
- ✓ Remote monitoring, management and maintenance services are also available in this system.
- ✓ Blacklisting of unnecessary or heavy data consuming websites.
- ✓ High Concurrency and rich contents storage. The contents can be changed or updated as required
- ✓ About 40 users can access the device at a time
- ✓ Teachers and students' records, school curriculum, results, education materials and other notices related to



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- ✓ GPS Locator is available as an additional service which shows the exact location of devices.



5. ANNUAL MAINTENANCE CONTRACT/SERVICES:

SMART ICT BASED EDUCATION SYSTEM FOR COMMUNITY /GOVERNMENT SCHOOL

is facilitated with after sales service through Annual Maintenance Contract (AMC). Under this contract the SCHOOL contents like education information, videos, movies, games and apps will be updated as per request. Any other problems which arise will also be solved promptly via remote maintenance. For any kind of query or information, contact on Cell no: 9840408888



6. CONCLUSIONS

In Nepal, education in the community schools is a very important infrastructure for development, which is still in dearth of physical facilities, unavailability of textbooks. Thus; the community school of rural area needs a creative ICT-based education system. Due to this, all students will get the similar curriculum which help to reduce digital divide between rural and urban areas. It also helps to develop new learning pattern and reading habits in the children. Students can access to quality transition pathways from secondary school to further education, training or employment opportunities. Moreover, SIBES helps respective donor agency or any organization to provide detail information about full information of total Internet usage, total consumption of internet, last time internet usage, total flow of network, location of device, device properties, etc of desire user. It also helps to show the report and monitor data uses on daily, monthly, and yearly basis. Add on, this innovative solution help in remote monitoring and controlling the overall activities of respective user. We believe that our IT devices and equipments will turn out to be a milestone for development of qualitative education system in Nepal. Further, we can also supply laptops, desktops, tablets and so on in order to establish effective ICT centers in the community schools.

