

Green Opportunities with Android Application to Enhance Teaching Learning process and Student Performance with Specific Reference to Rural and Semi-Rural School Education in Satara District

Prof. Anita Anandrao Patil,
Assistant Professor, BVDU, YMIM, Karad,
ap9420462670@gmail.com

Prof. A.V. Nikam,
Associate professor and HOD (Comp.) BVDU,
YMIM, Karad, avnkrd@rediffmail.com

Abstract- A Key message of this paper, a research has tried to focus on innovation drives the development of the green world .In the global world ICT playing very important role .Researcher has tries to make effective use of Smart Android Applications of information and communication technologies(ICTs) for Green Education, along with using ICT tools for use in the teaching learning improvement process; quality and accessibility of education and learning motivation in schools of rural area also semi-rural area. It is seen ICT and scholastic performance of Government schools are poor as compared to private schools. World is moving rapidly into digital media and information. Researcher covered 11 Taluka in Satara District and interacted with Marathi, Urdu and English Medium students regarding availability of ICT infrastructure in their school and major findings, Suggestions are focused.

Keywords: Global world, Rural and Semi-Rural School Education, Android Application

I. INTRODUCTION

In global world newer and newer technology has been coming in computer world in research paper first part of the paper introduces the elements of smart planet putting emphasis on the educational system.

This part also describes the research design of a case study about the use of existing computer in the educational process and the necessity of smart solutions in school education in teaching learning process.

The second part highlights advantages and the significant changes that smart systems can make possible in our daily life and work. The third part was identified some points where the infrastructure can be upgraded to improve performance in higher. The case study is based on 383 responses from students , 358 responses from teachers, 294 .responses from administrative staff . Researcher has completed a questionnaire containing 49 questions about the necessity of smart solutions in education and about the use

of online communications and the Internet in the educational process.

The fourth part presents the conclusions and underlines the important of new Innovations.

II. OBJECTIVE OF RESEARCH PAPER

Following are the objectives of the research paper

- 1) To study the present status of education system in school education.
- 2) To study implementation of green technology the teaching learning process in the schools
- 3) To design a conceptual model for efficient and effective ICT implementation in schools.
- 4) To suggest the model for improvement of teaching learning process

Researcher has selected sample size as follows:

Research methodology

Researcher has selected sample size as follows:

This research is conducted in order to understand the impact of ICT in selected schools of Satara District. The researcher intended to know the present scenario of ICT in private as well as government schools of Satara.

Researcher has selected school education i.e., from 8th Std, 9th Std, to 10th Std., in Satara District. The researcher has considered selected schools of Satara District, and also considered the staffs' age, teaching capacity, environment of innovative technology, Internet connectivity, geographical area, location, etc. Researcher has selected according to Krejcie and Morgen 1970 Table using Stratified random Sampling Method degree accuracy and margin of error 0.05 size as follows:

1. Student:
Population (secondary schools students in satara District) = 137655
Selected 383
2. Teacher:
Population (secondary schools students in satara District) = 5266
Selected 358

3. Administrative Staff

Population (secondary schools students in satara District) = 1244
 Selected 294

Research Gap:

On the basis of the literature review, it is evident that majority of the research is focused on :

- Implementation of ICT
- Teaching and learning environment
- Internet services
- Student centric learning
- Providing Digitalizing educational materials and educational equipment.

The researcher has found the research gap is in monitoring and evaluation of ICT implementation in schools and also effective solutions to overcome the lacking areas like Evolution of e-resources, Provide module to different schools, Evolution of e_guidance to teacher also student, Provide training program, Evolution of software module, Evolution of education system, Evolution of new versions in web development and last Effective solution.

utilizing extended library which makes layout easy to use and eliminate much of the tedious code. Android and PHP applications can access any database, using standard SQL statements, while still following Android and PHP conventions MYSQL is preferred database system which is used while developing smart School management system.



III. EFFECTIVE SOLUTION

This is the entry point of the system through this interface system administrator, Student, Teacher and Parent can make his/her login and enter in to the system. Researcher also facilitate login for the guest with limited access.

Smart School System Structure

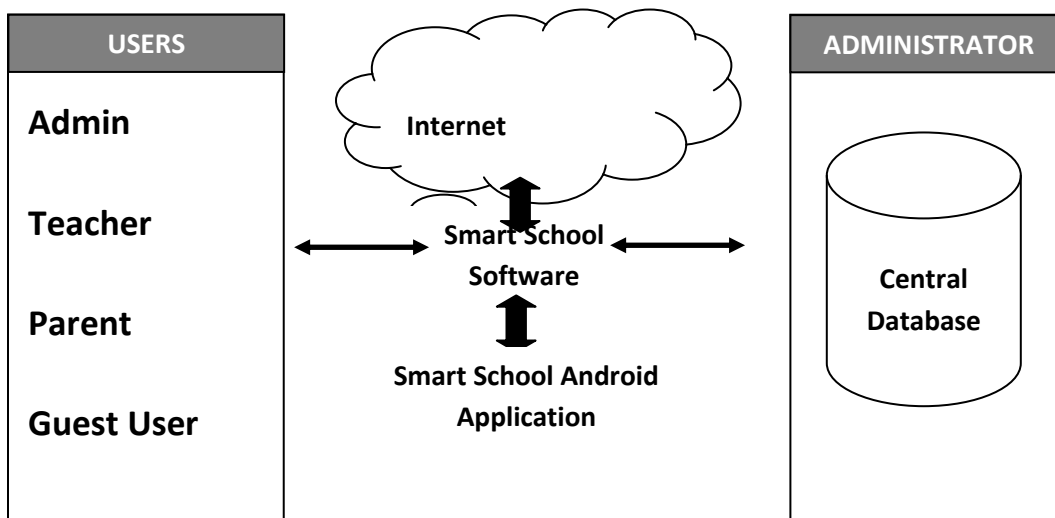
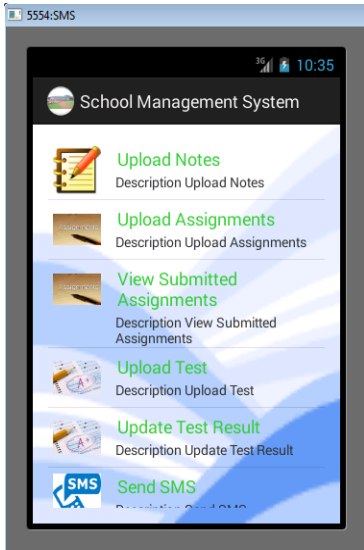


Diagram. Smart School System Structure

Technological Background

The smart school management system is implemented with the latest **Android and PHP** technology



GUI Design

The GUI of the suggested system is designed to be easy-to-use and simple. The Smart School home page is composed of five types of different login pages these are as follows.

Smart School Home Page:

- Admin Login:
- Student Login
- Teacher Login
- Parent Login
- Guest Login

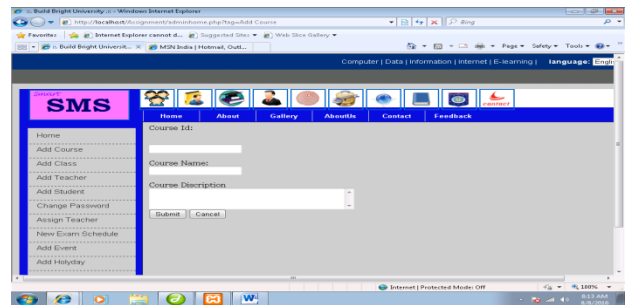


Figure. Smart School system Home Page

IV. CONCLUSION

After accomplishing the smart school development, researcher found that the system is easy to use and user centered. The suggested system smart school successfully finishes user's requirement by providing instant information.

It has been found that the system effectively registers students along with parental information, easily retrieves information about a student and generates the required reports. In addition to generating a feasible master timetable it produces a timetable for each teacher. Furthermore it has been shown that the web application of the system helps attendance recording by the homeroom teacher and parents can view the status of their children using the Internet or Intranet of the school.

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