# PROJECT REPORT

**Project Title :** Development of Multimedia Content   and E Tutoring Delivering Platform for School students.

**Introduction**

The teaching and learning scenario has been changed drastically during the past few decades with the onset and proliferation of ICT (Information and Communication Technology). Today learners are born in to a technologically rich world and they have natural interaction with technology. So it is very important to provide the learning experiences according to the needs and interests of the tech savvy students. Activity oriented class room with integration of technology will be a suitable option for these learners. Inclusion of ICT in education facilitates instant access to accurate information with infinite opportunities to practice, especially in Science learning. More over ICT can create a rich learning experience by using a combination of text, graphics, sound and video. Learning by doing is the most effective way of learning Science. It enhances the effectiveness of the learning process. The advantages of ICT tools include one to one interaction with students; opportunity for self-paced learning and immediate feedback.

We propose to develop a web portal for online tutoring system for promoting blended mode E learning   system for school students. This system also can utilise for promoting community learning. Through    blended   mode   we   conducted   Python

Programming course for selected students of Kannur district in collaboration with science park Kannur.

The project is divided into two phases:

The entire extension program was divided into two phases .In first phase we have developed a E Tutoring system for the content delivery. It is developed by our MCA students. It may be hosted in our departmental website. Using this portal we can give more number online education content for common mass.

**Phase I**

**Development of  E Tutoring delivering platform**

In the first phase we will develop an E tutoring web based platform for delivering the content which will act as a learning management system for the program. The same system can be used for delivering further contents. E tutoring offers a convenient alternative to face-to-face tutoring for students who cannot make it to campus for scheduled tutoring sessions for their courses. It is especially useful for those already enrolled in  other courses. Online tutoring is also useful for those who work full-time and/or have family-related responsibilities, which may make it more difficult to get to campus regularly for a tutoring appointment. We have developed a Online Tutoring system by the potential used from our MCA students.

**Orientation Program for selected schools students of Kannur District.**

We conducted a ten day orientation program for students of Kannur District. In collaboration with Science Park Kannur. The department of Information Technology grateful to Sri AV Ajayakumar Director science park Kannur to make this event very success. We have conducted a press meeting at Kannur and published the news in all news paper. The selection process on the basis of merit and aptitude. 100 students are enrolled in this event. The program was inaugurate on March 27 by the Director Science park. Kannur district panjayath secretary, Head of the department Shylaja P, Dr. Rajkumar K.K Associate Professor Dept. of IT and Dr. Sunil Kumar R.K assistant Professor Dept. of IT also participated in the inaugural session. Dr. Vivek P, Assistant Professor , Department of computer science University of Calicut, Mr Muraleedharan KM , Assistant Professor , Department of Physics , Govt. College Koilandi and Mr. Sunil John , Assistant professor , Department of Physics , St Marys college Sulthan Bathery were acted as resource person for the entire 10 days program.

**Development of Multimedia content for our E Tutoring System.**

We have conducted a multimedia Python programing course for school students in bilingual mode during the selected days of April – May of this year. The class is recorded for the purpose of E Tutoring delivering system. Scientific computing using Python programing is our course. Python is a general-purpose, versatile and popular programming language. It's great as a first language because it is concise and easy to read, and it is also a good language to have in any programmer's stack as it can be used

for everything from web development to software development and scientific applications. By the end of the program students will have gained a fundamental understanding of programming in Python by creating a variety of scripts and applications for the Web and for systems development. Python is a versatile programming language, suitable for projects ranging from small scripts to large systems.  The tutoring system and course is managed by utilising the facilities and human resource of the department of Information technology. The details of fund utilized and screen shots of our E Tutoring system is attached.

## Conclusion

We have conducted a 10 days python programing course for selected school students of Kannur district. The program is organized in collaboration with Science park Kannur. This program is highly beneficial for school students in their curriculum. We also recorded the selected class and  it may be delivered  using an E Tutoring system developed by our MCA students  as part of the extension program.

**Events Shots**