

## **Student Academic Information Retrieval System using Short Message Service for Course Management System of Uva Wellassa University**

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Mobile technology has marched forward a long way through time amounting the number of users using the mobile devices over billion range. The Short Message Service (SMS) technology has been able to revolutionize the way of mobile usage. This system focuses on the usage of SMS facility with Moodle Course Management System, facilitating the students to get academic information directly to the handheld phone.

The SMS technology is a part of the Global System for Mobile Communication (GSM) for exchanging text messages allowing maximum 160 characters per text message. SMS is popular for information retrieval systems for its convenience. SMS based information retrieval systems are the systems that provide the users of the system with the facility to get user owned information in the specific system utilized, the above service to user hand held devices. University keeps students' academic and non-academic information. Course Management Systems are used in storing those information. The growing popularity has caused researchers to align the focus towards SMS based researches. The integration of the educational systems and the SMS technology is still in its growing stage as a successful approach. This project addresses this issue by providing a solution that integrates SMS technology with the Educational Course Management System that enables the student to get information to the mobile.

The student sends a text message to GSM modem connected to the server on which Moodle Course Management System is running, requesting the information he/she needs, with the correct message format. Once a new message is found, it is analyzed for the information requested by student and requested information is sent to the requestor. The system also provides facilities to teacher for entering final semester results of the students and for sending SMS notifications to the all or a selected user through the Moodle Course Management System.

Key words: GSM, Moodle, SMS