



MOODLE ASSIGNMENT TOOL FOR SUBMISSION & ASSESSMENT FOR COMPUTER SCIENCE STUDENTS OF HIGHER EDUCATIONAL INSTITUTE

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Abstract-In recent years technology has brought much advancement in teaching learning method. The students of present era are interested to use interaction tools for accessing learning materials, online submission of assignment and participating in online quiz and Learning Management System (LMS) plays a vital role in it. There are so many tools available in LMS and Moodle's assignment tool serves as a method for online submission of assignment and also for assessment. This paper reports on a pilot study about the usage of LMS assignment tool by Computer Science students of higher educational institute for submission of assignment. A feedback is presented to the students to know the effectiveness of assignment tool for online submission of assignment.

Keywords- LMS, Moodle, Assignment

I. INTRODUCTION

In this diverse and changing teaching environment and with the extensive use of Internet and the availability of numerous online interaction tools[1], students are increasingly participating in, and requesting access to features such as: Online forums and tools such as electronic learning materials and online assignment submission[2].

A rapid progress is taking place in education with advanced teaching and learning technologies in India. The universities in India are slowly introducing the Learning Management system to keep pace with the emerging technological upliftment. There are numerous ICT tools implemented in education and the Learning Management System (LMS) is considered as the most important and effective tool for ICT enabled teaching-learning process [3].It is emerging as a potential source of medium for teaching and learning. There is an increasing role of Information and Communication Technologies (ICTs) in the field of student's assessment [4][5][6], to the extent that e-

assessment has emerged as a new issue in the educational field[7][8][9][10].

The author working as Assistant Professor in the Department of Computer Science in a University in India, started to use Moodle, an open source learning management system where initially learning materials were uploaded for various Computer Science subjects. The students used to download the learning materials from Moodle. As part of curriculum each student has to submit two assignments for each subject in a semester. The assignment mark is taken as internal marks along with other component like tests. Before implementing Moodle the student usually used to submit the assignment manually i.e they write and submit.

Username and password were created for each student. Each student can login the Moodle website using her username and password. After logging in, in the front page when the student clicks the subject name it navigates to another page where the student can view the assignment topic which has to be submitted online. At the end of the semester the student were given feedback form to evaluate about the submission of assignment using Moodle.

II. MOODLE ASSIGNMENT TOOL

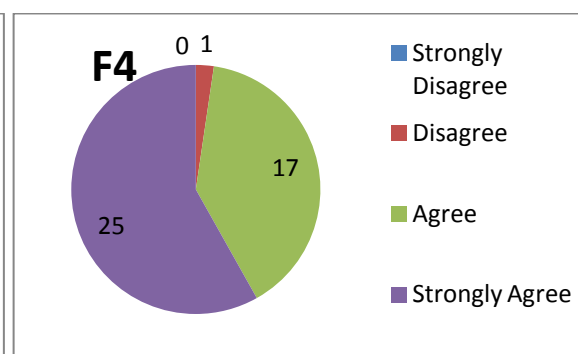
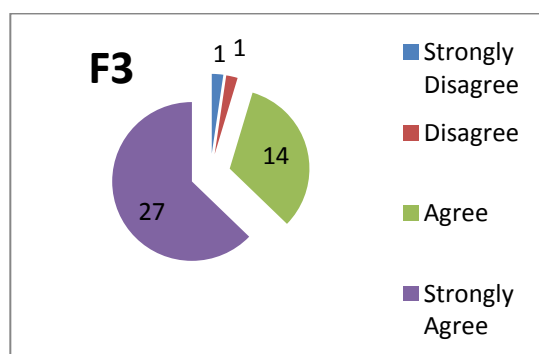
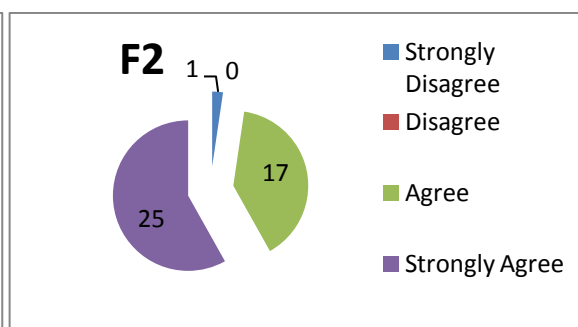
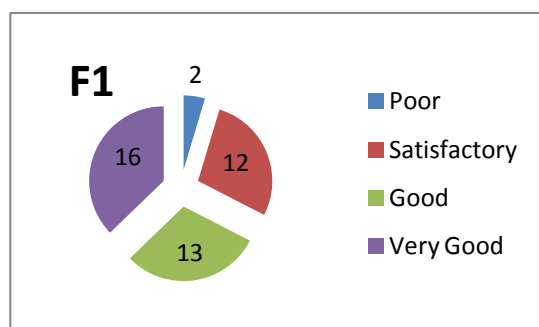
Moodle is an open source Learning Management System (LMS) with an increasing growth of users accessing it. Till September 2016 it had [11] 70,774 registered sites and 91,445,125 users. Moodle has been selected because it is one of the most frequently used LMS and enables the creation of powerful, flexible and engaging online courses and experiences [12]. So many reports have proved that Moodle rates well and is being used in a number of institutions and has a wide variety of active courses, available in many languages [12][13].

The assignment activity can be added by clicking + Add an Activity or Resource and then select Assignment (Fig.1) after logging onto Moodle website [14]. It then asks to add the assignment topic, description about the assignment, the time of



Questionnaire

F1	I would rate the submission of assignment using LMS as	Poor <input type="checkbox"/>	Satisfactory <input type="checkbox"/>	Good <input type="checkbox"/>	Very good <input type="checkbox"/>
F2	Moodle is convenient to upload assignment in any format .doc,.pdf,.txt,.ppt etc	Strongly disagree <input type="checkbox"/>	Disagree <input type="checkbox"/>	Agree <input type="checkbox"/>	Strongly agree <input type="checkbox"/>
F3	It is convenient to submit assignment by typing text in text editor	Strongly disagree <input type="checkbox"/>	Disagree <input type="checkbox"/>	Agree <input type="checkbox"/>	Strongly agree <input type="checkbox"/>
F4	Easy to add images whenever needed in assignment preparation	Strongly disagree <input type="checkbox"/>	Disagree <input type="checkbox"/>	Agree <input type="checkbox"/>	Strongly agree <input type="checkbox"/>
F5	LMS allows me to complete assignment on time	Strongly disagree <input type="checkbox"/>	Disagree <input type="checkbox"/>	Agree <input type="checkbox"/>	Strongly agree <input type="checkbox"/>
F6	Moodle was responsive in submission of assignment and feedback.	Strongly disagree <input type="checkbox"/>	Disagree <input type="checkbox"/>	Agree <input type="checkbox"/>	Strongly agree <input type="checkbox"/>



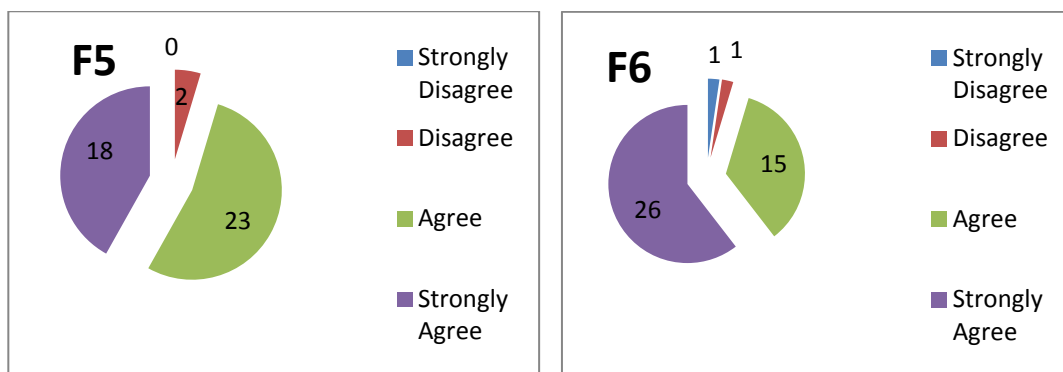


Fig 3. Students Feedback on Assignment Module in Moodle

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