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Learning Management System (LMS):
A Digital Platform for E-Learning

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ABSTRACT: "Online education is electronically supported learning that relies on the Internet for teacher/student interaction and the distribution of class materials."[1]

Online teaching is an education form provided to the students where they can acquire knowledge using their computers and smart phones through the internet. Online teaching can be conducted using digital technologies and in this paper we are focusing on teaching online through the online platform Learning Management System (LMS).

KEYWORDS: Learning Management System, Online teaching, Digital Platform

I. INTRODUCTION

Online education is becoming necessity these days and we can see it in every area of education from school to training centres. People are able to access their interested courses through online even they followed face to face teaching for so long time. Online teaching with interactions is a key element of the learning experience [2].

Online teaching is different from face to face teaching. It is very important to develop new skills and thoughts every day for the people working at education or training fields. This helps in decision making, exploring opportunities and to overcome different challenges.

There are some notable differences between online education and face to face education. These differences should be understood by every educator to have different skill set needed to teach in both the modes, because both are exclusive experiences.

Fig.1: Teaching Online v/s Teaching Face to Face

Teaching Online is not so hectic to the educators because they can adopt their existing skills and teaching materials they used to follow. Online teaching become so feasible if both the educator and the student have computer with them and internet access and this can be mentioned as a minimum possibility to teach online while there are many ways [2].

II. ADVANTAGES TO TEACHING ONLINE

There are many advantages to teach online. Factors which can influence to choose online education are,

i. Institutional support Level
ii. Training resources availability
iii. New Online technologies
iv. Trending instructional approaches

The most important factor is ones willingness, which starts from the bottom of the learning curve with the new online technologies and trending instructional approaches. This differs from traditional learning pedagogies.

III. IMPORTANCE OF ONLINE TEACHING

Our mode of communicating with others through online and way of accessing, sharing information and facilities has been significantly changed by the internet.

How to use technology to teach online is no longer an issue now, but the importance is on teacher acknowledging the way the world is already developing and understanding the implication of online literacy and the role that collaboration an online engagement place in students learning and their future work place environment.

It is difficult to keep upgrading with changing software and technology. Therefore, the best way is to focus on understanding effective pedagogical strategies to teach online rather than focusing only on technologies.

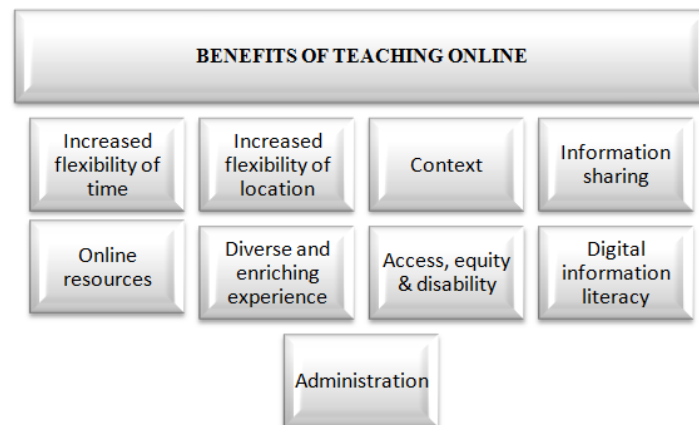## IV. KEY BENEFITS OF TEACHING ONLINE

Fig.2: Benefits of Teaching Online

1. Increased flexibility of time

   Teaching and learning will be more convenient and productive for both students and teachers, because they can work at their own phase with the framework given and the overall process can be broken into smaller and frequent portions of time.

2. Increased flexibility of location

   As the mode of teaching and learning is online, there will no restrictions on being in a particular location. Educators and students can participate from any geographical location.

3. Context

   Online teaching and learning will provide a new consequence to contemporary society in professional and industrial factors.

4. Information sharing

   Information can be shared and accessed more easily and quickly in this mode of education.

5. Online resources

    Extensive online resources such as Lecture notes, Audio-visual learning materials, live sessions, webinars, Discussion forums, Projects etc., can be provided.

6. Diverse and enriching experiences.
    Students learning experience can be enhanced from this online education by providing opportunities across disciplinary, cultural and campus collaborations. Online education provides opportunities to experience learning at a local, national and international level and can still be improved by encouraging interactions and group works.

7. Access, Equity and Disability

    Students and educators with disabilities or difficulty in accessibility which restricts the ability to attend face to face class can have an opportunity to fulfil their dream of learning and teaching.

8. Digital information literacy
    Digital literacy skill can be developed which is the most required skill in contemporary society and working environment.

9. Administration

10. Online education can streamlines an Administration aspects of teaching [2]

V. KEY RESTRICTIONS, LIMITATIONS OR CONSIDERATION FOR TEACHING ONLINE
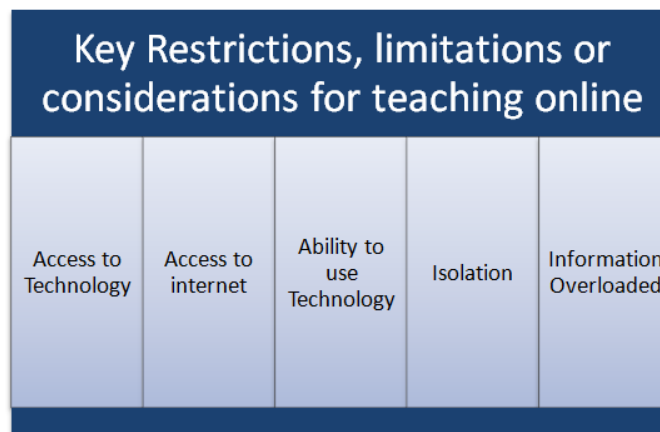

Fig.3: Considerations for Teaching online

1. Access to technology
    In some instances students or teachers may have to share their computer or mobile within one household or may have to depend on using computers in campus or in public places like public library or internet cafe.

2. Access to internet
    Students and educators cannot ensure that they have good access to internet all the time. In many cases Access to internet may be limited to dial up speed or monthly usage.

3. Ability to use technology

    Most of the times students or educators may require training to use some tools and technologies. Technical training may not be readily available or affordable for all people at every time.

4. Isolation
    When the Teachers initiate the online teaching and if they cannot find the necessary support and encouragement then they will have to experience Isolation.

5. Information overload

    If the provided information and resources are not properly managed then it will be confusing and difficult for students to choose the relevant [2].

VI. INTRODUCTION TO LEARNING MANAGEMENT SYSTEM (LMS)

Learning management system is serving as best training programs to share information and for providing training on various programs between the entities by providing them with the elasticity to access the resource from their work environment or home. The users having licensed authority on the system will have the permission to access by using URL or from different user id and password [2].

LMS is nothing but the platform which brings together teachers and students for the purpose of student's accomplishment. LMS has an add on advantage for the speaker to create a class and also to provide required materials on related topics, with monitoring the listener through assignments by grading and communicating with them in both inside and as well as outside the lecture hall .

Hence LMS helps instructors to conduct and control the entire classroom. The main agenda of any system is that it should be user friendly, here the students also have an access to their class, find the syllabus, assignments and to submit before due dates. Like this the system provides wide variety of opportunities to students including they can view grades for their turned in assignments.

LMS, at where most of the notifications are pasted through web so that it facilitates to assess at any time required by the users for learning and by the educators for administration. The sessions are recorded, meets individual requirements and monitoring the growth of training. In this manner LMS differs from other training management.

VII. BENEFITS OF LMS

LMS benefits in training huge number of individuals of organization in online which also benefits in managing through software's that helps users and administrators to easily access courses and training report.

LMS are being extensively used in schools, colleges, universities and of course organizations. This include computer based training or CBTs, web-based training or BTs, continuous online assessment, Management of training, collaborative learning i.e., Application sharing, Discussions, web seminars, Training resources management etc. Things like managing instructors, facilities and equipments are also some of the features of LMS.

LMS includes many profits which will make user to get through the system in an effective and convenient way to deliver the stuffs to whole team without any disturbance. LMS also includes monitoring progress of learners, managing their result of progress with a simple, light weight, and mainly with affordable cost of use. Each session of every modules which will be in descript along with the accessibility that helps learners to get into the session at any time anywhere since which will avoid the problem of rescheduling the sessions.

LMS having the access to concentrate on particular learner to train them in specific would avoid the usage of more time for the training. That helps to keep eye on every resources, guidance, and the courses and also helps for generating the report in a very convenient way. The notification will be popped to all users regarding the information of scheduled sessions, also about the recorded sessions with the trainee's valuated results with all the possible activities, assessments, conversations through messaging and about the hands-on-sessions to be identified. LMS is the new platform in today's new urge of teaching learning system [2].

VIII. CONCLUSION

The paper demonstrates about the facilities and elements about online teaching that includes the ease of getting adapted to the system. This paper briefs about the new method of online education, Learning Management System (LMS).

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