ORIGINAL ARTICLE

DIGITAL EDUCATION IN INDIAN PERSPECTIVE

Dr. Devnani Gordhan N.

Abstract: -
As the world is changing towards the digital world, everything is getting digitalized. As we talk about digital now a day's use of internet is more on mobile than any other device. Education when it was made digitally available first it was by using website and it called E-learning websites. As the present world is of mobile with the concept of E-learning at a same time educations Apps are made to make education more easily and conveniently available at their tip of figure. Apps based learning makes more convenient as the user can use the app any time even at a time of travelling.

Keywords: - Digital Education, E-learning websites, Educational Apps, MOOC.

Digital Education: -

"Digital Education is the education technology which increases the way of learning through online learning".

What is Digital Learning?

Digital Learning is "learning through the technology and digital devices which help the students and learner to learn easily".

Digital Learning helps the student to learn as per there requirement without any barriers of classroom, no any limit of time, no rules etc. With the development of technology the internet, mobile, apps etc everything is getting developed. Digital education plays a vital role in development of students. As open source is available it easy to access and get started with online learning. It is done with help of E-learning websites and educational apps.
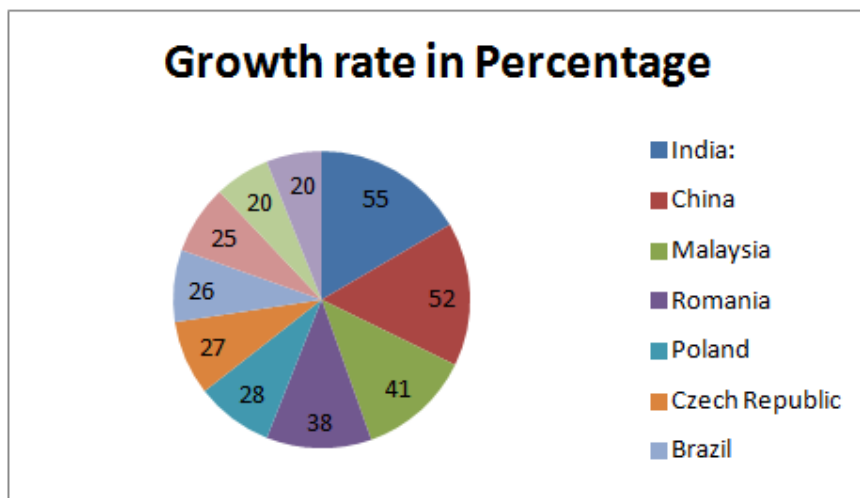
E-Learning: -

E-Learning is concept where students or the learner search the website which provide the complete course learning in a step wise completion of course also website provide the information the learner needs they can get the complete information from the website. Few E-learning websites are free and most of them are paid websites.

Statistics: -

Growth rate of country towards E-learning indicates the significance of growth in education and it helps in generating the revenue. Following are the statistics of the growth rates of countries towards the E-learning.

Country	Growth rate in Percentage
India	55
China	52
Malaysia	41
Romania	38
Poland	28
Czech Republic	27
Brazil	26
Indonesia	25
Colombia	20
Ukraine	20

Growth rate in Percentage

Edupedia: -

Edupedia World is a free E-learning website providing free education to the students. Edupedia aims to provide the education free to the students. Also to provide the knowledge which students fail to get in the classroom teaching. It provides with variety of study materials for the learning process.

MOOC: -

MOOC stand for Massive open online courses. Massive open online courses (MOOC) aims to provide online courses with unlimited participants and open learning through the web. MOOC provides course materials free access for students. MOOC also provides the discussion forum for students, Teaching assistant and Professor. MOOC courses are free as well as charged depending on colleges and courses. Awareness level of MOOC is less as comparative to other online learning techniques.

All India Council for Technical Education (AICTE) makes mandatory for the 10,800 technical institutes to come with the 10% of the curriculum for MOOCs. Present govt. of India tries to provide more and more online courses. Indian students who are interested for foreign studies can easily opt for the MOOC studies. By using MOOC students can get online courses in their interested areas as well as in their interested foreign colleges. Since, MOOC provides global classrooms there is a rapid growth in Indian students opting towards MOOCs.

Top 3 MOOCS of US based are Coursera, Udacity and Edx. Coursera has 4.3 million i.e. 43 lakhs of students, from these Indian students are a big part as compare to other country students. It has only 10% of US students. There is 139% growth of Indian students enrolling in past 6 months.EdX, a non-profit created by Harvard and MIT.

MOOCS provides you opportunity to learn multiple courses. Most of the students change multiple courses. This flexibility of MOOC is also the disadvantage of MOOC. MOOC enrolled students after the introductory video classes they either change to other courses or drop out. MOOC student require self-learning ability to high extent. It means they have to give more time in learning i.e. listening the lectures, reading the notes etc. MOOC while providing as well as enrolling both should not only try to provide and receive education but also towards the career point of view.

EDUCATIONAL APPS:-

Educational APPS is blessing for the students. As the present world is of mobiles and APPS, for digital Learning the mobile educational apps are created and offered to the students. To enhance the knowledge Educational APPS plays vital role is strengthen the generation. Students feel more comfortable for the use of mobile apps rather than opening the pc or laptop for learning. As it is more portable to use it is the first preference for the students for learning.The Apple App Store has more than 75,000 educational apps which much higherthan the Google Play Store. Educational apps give information you required or provides you in learning the new concept or even helps for completing the online courses.

Educational apps help student to learn new concepts, test what they have learnt by giving the test for concept they have learnt, and give a group test and also to compete with the friends. Few apps are made for all members involved in education i.e. Student, Teachers and Parents. Teachers can provide notes to the student and allot them a task to complete, and teacher can check whether the student has completed the task and the students' progress can be monitored by the Teachers at a same time parents can overview the process as well as the progress. 75,000 jobs are generated directly by the economy of app in India and it is expected to reach 600,000. Usage of educational app is grown by 217%. Student usage of educational app in Tier II cities has grown by 73% and in Tier I and metro cities by 99%.

Students of 1st to 5th class spent 32% more time on online studying than 15% more time spend by the students of class 6th to 8th. 32% more students of CBSE are studying now online where as 43% more of ICSE students are studying online. Which makes clear that 1st to 5th students use online education more and ICSE student use more for online education.

MOODLE: -

MOODLE is open source software for online learning. MOODLE stands for Modular Object Oriented Dynamic Learning Environment. IIT's, IIM's, TISS, Harvard Business School, University of UK and many other institutions over the world are using Moodle. It helps the Teacher and the student to interact with each other online digitally.You just need to download the MOODLE software from its website and then we have to install it on server machine. You can also create a Moodle app for the users. It has been translated in 100 languages. People from all over parts of world use it in their different languages as per their country.It is freely available software. It has a greater level of flexibility. It can be easily tailored as per the user expectations and the needs of customer. It provides free service.

Moodle has E-learning standards i.e. SCORM stands for Sharable Content Object Reference Model. Teachers has to share the learning contents i.e. notes in any format word, PPTs, Excel, etc. on the software the students can get and study from the content. On the other hand Teachers can give the test for the students in a MCQ or other format the students have to solve the test and submit. Also in a

same way assignments are given to the students and they have solve the assignments.The Services mainly provided by Moodle are Assignment submission, Files download and upload, grading marks, Moodle messages and E-mails, news and announcement, online quiz, MCQs, True and False, Fill in the Blanks, Activities such as business games etc. Following are the few statistics of Moodle.

Moodle Statistics: -

Registered sites	75,830
Countries	232
Courses	1.17,34,450
Users	10,04,40,687
Enrolments	33,55,72,076
Forum posts	20,72,44,158
Resources	10,43,26,683
Quiz questions	56,49,69,774

Moodle Statistics for Registration: -
Top 10 Countries for Registration of Moodle

Country	Registrations
United State	10,181
Spain	7,287
Brazil	4,445
Mexico	3,561
United Kingdom	3,476
Italy	2,581
Germany	2,467
India	2,308
Australia	2,294
Colombia	2,147

CONCLUSION: -

India tops globally with 55% growth rate in digital learning followed by China and Malaysia with 51% and 48% respectively.Indian students are very much attracted through the digital learning and it one of the fast accepting country towards digital learning. Digital Learning helps the student to learn as per there requirement without any barriers of classroom, no any limit of time, no rulesIt gives the new opportunities for the students to learn through E-learning, to do courses through MOOC, to learn and give test and get grade through Moodle etc.

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