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E-LEARNING TECHN TO IMPROVE QUALITY OF HIGHER EDUCATION 100% LITERACY BY DIGITAL EDUCATION AND MOOCS & ONLINE "SMART CLASS ROOMS"



By: M.S.Yatnatti: Editor and Video Journalist Bengaluru: Khan Academy frees courses, Free-learning: alison.com, <http://www.coursera.org>, <http://www.edx.org>, saylor.org, gcflearnfree.org, learnerstv.com, <http://www.engvid.com>, <http://www.udemy.com>, <http://www.youtube.com/user/crashcourse> <http://www.youtube.com/user/crashcoursekids> Use of computers and new technologies have become a crucial part of learning as well as teaching. . e-Learning enables learning opportunities to be tailored to students' individual needs and interests, improving achievement and engagement. India can now hop to realize its long standing dream of 100% literacy. Achieving 100% literacy does not seem impossible anymore with cloud based e-learning solutions .The cloud is generally third party and accessed through internet .It provides device and location independence to users ensuring the data can be accessed regardless of location and choice of device .Any time any where accessibility allows educators to transcend the geographical boundaries and provide seamless learning experience .Learners can stream videos attend classes take testes submit assignments edit files through cloud forms anywhere work home library etc .using various devices mobile laptop desktop computers. Thanks to cloud based e-learning .It is changing the way teacher's trainer's administrators and learners interact and collaborate. The Indian universities MHRD UGC AICTE and all regulators and MOOCs are not in sync with each other and great confusion exists even today and Digital India without digital education is not at all possible. Digital India will be big failure without digital education...MOOCs and online delivery is clearly the future, but UGC is not at all allowing aa Universities to launch online degree programmes and still it is talking and forcing territorial restrictions on universities when internet has no barriers of countries borders. All University should be allowed to run online international programmes without any territorial barriers " Many are again talking about innovation in higher education and it is a refreshing change. The most conspicuous, challenging and controversial subject of these discussions is "MOOCs" – massive open online courses. MOOCs such as Coursera, Udacity and edX, many other MOOCs, have received extensive media coverage accompanied by a lot of commentary. Many students are getting MOOCs certificates. The University education system need to be changed .The degree awarding system and examination system is need to be changed .UGC and Regulators are still in first century era and do not want to adopt 21 century digital technology. 500 hundred year old class room is still lovable to them and they come with several old decade notes they teach to students by just reading them and writing on boards. Digital India without digital education is not at all possible.

Union Government and UGC need to debate on online education with DEB outsourced labs before finalizing national policy and regulations on distance education . Higher education today is undergoing a radical change, posing new age challenges to universities and NAAC should rise to the challenges and face it head on and solve the issues of standardization of online distance learning. Instead of colleges only Labs needs to be outsourced as computer is class room , computer lab, play ground for online gaming ,library ,research center ,online mentoring ,online chat ,video conferencing and face to face online Online government are possible and run then why not online education with live teachers and outsourced labs online examinations and online evaluation and results and entire management of University with University management systems and UGC can manage it on real time basis on dash board every day and every minute for all Universities and research centers .UGC should formulate new education policy on online education with outsourced Research Labs with Lab Instructors /Teachers and specially trained online professors. Complete digital transformation with outsourced Labs and Excellence in technology that enhances teaching, learning and research and outsourced Labs is present and future of Digital Universities Education..Time is ripe .Educators need to adopt the technologies to impart education. Online education clubbed with outsourced Lab are the future of education .You agree or agree not to agree. This is a reality written on the walls on universities .Entire teaching and learning revolve around minds Getting and sustaining their attention and interest holds the key to success in this tricky process. Teaching and learning can be tech enabled. Smartphone's tablets laptops computers have become class rooms Library laboratories and research centers and playgrounds and virtually become everything..Sakai is a vibrant, international community that collaborates to create technology that enhances teaching, learning and research. Member organizations include large universities and small colleges, K-12 systems, hospitals, government organizations, research societies and political parties. In 2004, four leading U.S. universities, together with Jasig, the parent organization of the uPortal portal framework, began a collaboration to combine and synchronize their assorted learning software into a collection of integrated, open source tools.

Reportedly MOOCs are a form of "direct-to-students" education: Students do not need to enroll in a college or university; offerings are available on-demand to anyone. Students do not need to become involved in a federal or state student assistance program, paying little (even as compared to lower-cost community college tuition) or nothing for the offerings. Students are not bound by an academic calendar with semesters or courses and they are not part of a structured degree program. MOOCs provide an opportunity for connection between internationally known professors from elite institutions and millions of students.MOOCs take creative advantage of current technology that not only allows for a massification but approaches a universalization of higher education once barely imaginable. Offerings involve consideration of a concept or skill, generally via video, followed by exercises or quizzes. They sometimes rely on an approach to teaching and learning that removes faculty from the heart of the educational experience, pushing students to use their own initiative to seek out and benefit from learning experiences, much as the healthcare industry has modeled greater patient responsibility for sustaining health. This shift away from the traditional central role for faculty is one of the more controversial aspects of MOOCs.MOOCs also build on longstanding practices in higher education, including continuing education, online education and competency-based education such as the work of Western Governor's University (WGU) and Excelsior University. WGU, since its inception in 1997, has been offering online, competency-based education. Excelsior, founded in 1971 as Regents College in New York, has been a pioneer of adult and online learning. MIT's Open Courseware initiative has been around for 10 years, as has Carnegie Mellon University's Open Learning Initiative. Straighterline, a private company offering low-cost online courses since 2009, has established transfer partnerships with a number of institutions and, most recently, entered into agreements with Education Testing Service and the Collegiate Learning Assessment that allow students to be tested and attempt to transfer their Straighterline credits. However, the scale of MOOCs, their extensive online presence, their international appeal and tuition-free approach set them apart even as they reflect some traditional features. What is a MOOC experience worth to a student? Students can receive an acknowledgment of their achievement by earning certificates or "badges" that affirm mastery of skills or specific portions of learning. This can help with employers and obtaining a job. The Mozilla Foundation has constructed an electronic platform to support the issuing, collecting and sharing of badges. Students may also convert MOOC experiences to college credit. UC-Berkeley is exploring the award of transfer credit to California community college students who enroll in Berkeley MOOCs. Colorado State University-Global Campus is offering credit for MOOCs. Will longstanding organizations devoted to assessment of prior learning such as the Council for Adult and Experiential Learning and the American Council on Education's College Credit Recommendation Service include MOOC experiences in their scrutiny?.

According to reports premier institutions like the Indian Institutes of Technology and Indian Institutes of Management are planning to go the Massive Open Online Courses (MOOCs) way, in the backdrop of Prime Minister Narendra Modi launched ambitious the Swayam Bharat programme. While IIT Bombay (IIT-B) and IIM Bangalore have already announced the launch of MOOCs with overseas partners, IIM Calcutta (IIM-C) could be next in line, with the institute submitting a proposal to the HRD ministry. IIT Kanpur is developing its own platform for MOOCs called MOOKIT, which might soon start competing with popular international MOOC platforms like edX and Coursera."MOOCs and online delivery is clearly the future," says IIM-C director Saibal Chattopadhyay. IIT-B is currently trying out two courses, the basic computer programming course for undergraduates and a thermodynamics course, in the MOOCs mode. "More are planned. There have been multiple meetings with MHRD and IIT Bombay expects to be a very active partner in the government's initiative," .

AIUPASA demanding that all Universities need to adopt MOOCs information management system like open ERP or SAP and run its entire work with total computerization and simple manageable procedures and transparent management instead of dividing existing Universities into number of small Universities. Academic council must limit its activities towards academics and syndicate should limit its activities for policy decisions and framing regulations.Many universities partners, affiliated colleges and study are facing many number of problems and many of them felt that an organization was needed to fight for justice and equity and hence an organization was formed in the name and style of All India Universities Partners, Affiliated Colleges and Study centre association (AIUPASA) and which will resolve several issues faced by partners and affiliated colleges and study centers to contain corruption complaints in Universities.

Exam Reforms: Universities must change: Indian Universities must adopt open book examinations system as prevailed in USA and other developed countries as our Universities test memory capacity of students and not the knowledge or wisdom of students.Union Government and UGC need to debate on online education with DEB outsourced labs before finalizing national policy and regulations on distance education . Higher education today is undergoing a radical change, posing new age challenges to universities and NAAC should rise to the challenges and face it head on and solve the issues of standardization of online distance learning .Instead of colleges only Labs needs to be outsourced as computer is class room , computer lab, play ground for online gaming ,library ,research center ,online mentoring ,online chat ,video conferencing and face to face online Online government are possible and run then why not online education with live teachers and outsourced labs online examinations and online evaluation and results and entire management of University with University management systems and UGC can manage it on real time basis on dash board every day and every minute for all Universities and research centers .UGC should formulate new education policy on online education with outsourced Research Labs with Lab Instructors /Teachers and specially trained online professors. Heavy Demand for Online education and E-learning: Online government are possible and run then why not online education .Lot of teachers are trained to teach online and many teachers teach US students from India .When central government is providing TABLET computer and smart phones to every students at very affordable cost and 3G connectivity is available and online education is becoming reality through videoconferencing and video call. A new era of online education is dawning India and abroad .The LABS are outsourced to study practical's in engineering and science education for distance learning students without sacrificing quality of education. Engineering education through distance learning will make poor students to study engineering without botheration of huge donations /corruption / hurdles of entrance examinations and provide equal opportunity to study engineering and MHRD need to really commend the efforts of many universities in this respect. There is an increased use of virtual classrooms (online presentations delivered live) as an online learning platform and classroom for a diverse set of education providers. E-learning comprises all forms of electronically supported learning and teaching. The information and communication systems, whether networked or not, serve as specific media to implement the learning process. The term will still most likely be utilized to reference out-of-classroom and in-classroom educational experiences via technology, even as advances continue in regard to devices and curriculum. E-learning is essentially the computer and network-enabled transfer of skills and knowledge. E-learning applications and processes include Web-based learning, computer-based learning, virtual classroom opportunities and digital collaboration. Content is delivered via the Internet, intranet/extranet, audio or video tape, satellite TV, and CD-ROM. It can be self-paced or instructor-led and includes media in the form of text, image, animation, streaming video and audio. Abbreviations like CBT (*Computer-Based Training*), IBT (*Internet-Based Training*) or WBT (*Web-Based Training*) have been used as synonyms to e-learning.

ALISON :This learning portal is packed with free, high quality courses both certificate and diploma in over 100 categories, encompassing subjects such as art, business and finance, computing and programming, engineering, health, humanities, language, marketing, management, math, music, photography , vocational training, social media techniques and web development.All the courses are self-paced, so you can study whenever you want. You can even browse through the site by country (including India) to see what's popular around you. Once you have found a subject you want to study , register for a free account, and then click on the 'start course' button. You can take or re-take assessment tests any time you want, but you will require to score 80 per cent or over to pass. When you have cleared the tests, you can download your learner record as proof of your accomplishment. If you want something more official, you can also order a certificate and Alison will send it by post.alison.com

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EDX :This website, founded by Harvard University and MIT in 2012 is one of the largest providers of free Massive Open Online Courses (MOOC) offered by the top universities and colleges, including big names like Berkeley, Boston University, Caltech, Columbia University, Cornell University, Georgia Tech, Dartmouth, IIT Bombay, Seoul National University, Princeton, Purdue, University of Notre Dame, University of Tokyo, University of Queensland and Trinity College. And whether you are interested in computer science, languages, engineering, psychology, writing, electronics, biology or marketing, edX has a course for you. Before you decide on a subject, you can read through the course prerequisites and time commitment per week so you know what to expect. You can also sort courses by availability: current, starting soon, upcoming and self-paced. When you find what you like, click to register for the class(es). You are provided with learning tools that could include videos and game-like labs. Like Coursera, edX lets you earn your 'Certificate of Achievement', audit the course with virtual 'classrooms' that are open 24x7, and even connect with other students online. <http://www.edx.org>

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UDEMY :Udemy is an "online learning marketplace" for paid as well as free learning material that will help you add to your professional skill set in subjects such as web development, programming, office productivity, marketing, arts and crafts, photography, fitness and music. Currently, this resource is home to over 40,000 courses that have been put together by over 20,000 instructors and has recorded over 10 million course enrolments. Most of the paid courses offer discounts, and include detailed information on who it is meant for, what you will learn, and the skill level that you can achieve. These courses are accessible via Udemy's mobile app for Android and iOS devices, and you will even receive a certificate when you successfully complete the curriculum. <http://www.udemy.com>

CRASH COURSE & CRASH COURSE KIDS :Perhaps you're not in the mood for online university courses or their certificates, but if you're curious and still want to learn something new, turn to YouTube's Crash Course channel that debuted in December 2011. Till date, Crash Course has churned out close to 500 educational videos in subjects such as world history, biology, ecology, literature, chemistry, anatomy, economics, philosophy and physics. Each video is less than 15 minutes so you're served with knowledge on complex topics such as macro economics, human physiology and Cartesian scepticism in bite-size nuggets. For kids, Crash Course has a separate channel that's updated with videos every Tuesday and Thursday with presentations that are less than five-minutes in length. You might want to give these both a dekho before you move onto the other educational channels on YouTube. <http://www.youtube.com/user/crashcourse> <http://www.youtube.com/user/crashcoursekids>

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