



Accreditation Process a Boon or Burden to Educational Institutions and its automation using software based platform IonCUDOS

By Prof Yogesh Mahadevaiah, Manager- Product Solutions

Educational Institutions require to get accredited by various accreditation bodies to maintain the standards and quality of education offered by the organization and often this process requires documentation to ensure that the educational program regularly meets certain criteria. This process of documentation is a mere burden on the faculty and organization as it requires lot of manual /clerical work and involves a lot of man hours by the faculty/ educators in preparing the documentation and its analysis. A software tool is essential to facilitate this process which would ease the burden on the faculty and Institutions by saving a lot of time and money. Web-based tool **IonCUDOS** designed to assist and facilitate the collection of data, incorporate the best practices in teaching-learning process, improve overall performance of students and faculty by automating academic and learning processes and achieve academic excellence through implementation, monitoring and improvement of outcome-based education with generate all the required reports of accreditation process.

Keywords: Accreditation, Education, Academic Excellence, Continual Improvement, Automation, Educator, Outcome based Education.

Read More: <https://docs.google.com/document/d/e/2PACX-1vTD0iUvWKveoM8z0vB9QdUEg08-OGsaQ9aI4OXI16IMl4fQsH2Rh0CbeMMPTF0yA/pub>

E-Learning Is Transforming The Face Of Education In India

The E-learning industry in India is a prolific one, witnessing a steady growth rate of 25 percent year-on-year and is projected to be a \$1.96 billion industry by 2021

We are in an era of digitization and technological advancements have an impact on almost every aspect of our lives on an ongoing basis. From the way, we communicate to how businesses are run. The impacts of digitization are also visible in the field of education and have effected major changes in how education is being imparted and consumed. Rote learning and reliance on printed material or book based learning are fast becoming a characteristic of the past.

Till the end of the last century, the education system in India was working on traditional classroom-based learning, where the students didn't get the opportunity to participate in the interactive sessions. To face the challenges of the changing time, it became necessary to make concepts more clear and students competent enough to cope up globally. Hence, the concept of Digital Learning evolved in 2002 - 2003. With technology spreading its wing to the education sector, the typical classroom which was once characterized by boring hour-long sessions now transforms into an interesting, fun-filled environment. Digital education made life easier for both, students and educators.

The E-learning industry in India is a prolific one, witnessing a steady growth rate of 25 percent year-on-year and is projected to be a \$1.96 billion industry by 2021. With a network of more than 1.5 million schools and 18,000 higher education institutes, the market for digital education in India is enormous. Today, digital learning is no longer a luxury but the implementation of digital tools of learning has become a necessity in schools.

The key factors leading to the growth of the digital market in India are rising demand from various segments, a growing number of smartphone users, improving penetration of the internet, and increasing participation at the government level. New age technology platforms help in assessing the performance of students, teachers, and institutions as a whole and are increasingly being adopted by educational institutions in India. Cloud-based platforms which help classroom go paperless are also finding takers. Also apart from the latest developments in ICT classrooms, Augmented Reality and Virtual reality is being adopted in the field of education.

Further, the launch of a plethora of IT related platforms has generated huge entrepreneurship opportunities, and many education startups have sprung up with new and improved versions of e-learning modules in line with the demands and ever-changing needs of the students. E-learning contents are

designed to present a holistic picture with audio supplements, which makes learning a lot more interesting as learners now utilize both visual and audio senses. MBD has been instrumental since the last one decade to take e-learning to schools and students in various forms and today we support more than a million learners across the country with digital content.

Also, Innovative deployments of ICT solutions have been instrumental in transcending multiple barriers to providing access to education in the country. With increasing digital literacy in the country, ICT solutions have gained momentum in driving quality education to the nooks and corners of the country. With government initiatives such as 'Digital India' with a vision to transform the country into a digitally empowered society and the knowledge economy, ICT solutions will play a more critical role not only in promoting education but also towards driving digital literacy.

With access to smartphones and the internet in the country growing by the day, the scope for the growth and development of the e-learning industry is immense. The pace at which changes happen in today's world is truly unprecedented. Education and technology are sectors that effect changes and are in turn affected by changes around them. The best one can do in such a scenario is to be innovative and have the agility and willingness to adapt to new developments surrounding them.

However, it must be noted that technology is just an enabler, requiring a human to operate it and make use of it. Thus the perceived advantages or for that matter disadvantages of technology when it comes to students is merely an outcome of the way technology is used or handled. The outcome of any technological intervention is dependent on the manner and purpose with which they are put to use. What is important is the responsible use of technology. Students should use it intelligently to learn more effectively. It will help in mapping the requirement of a child, assess his/her learning outcomes as well as make learning more receptive.

[Link: http://www.businessworld.in/article/E-Learning-Is-Transforming-The-Face-Of-Education-In-India/01-12-2018-164717/](http://www.businessworld.in/article/E-Learning-Is-Transforming-The-Face-Of-Education-In-India/01-12-2018-164717/)

NEP 2020: A Game-changer In The Education Sector

NEP 2020 has many game-changing pointers that underline the progression of education delivery in the long run.

The New Education Policy (NEP) 2020 marks a tectonic shift from the earlier standardized to more customized learning. While providing holistic and skill-based learning, the NEP 2020 promotes the changes that will boost multidisciplinary education and remains a move towards transforming the country into a vibrant knowledge hub.

To be implemented in a phased manner from the 2020-21 academic year, with the government-funded institutions taking the lead in adopting the new norms first, NEP 2020 has many game-changing pointers that underline the progression of education delivery in the long run.

Learning in mother tongue: With a student-centric approach, NEP 2020 promotes the adoption of a mother or native tongue as an option to teach children in their early years. This is an impactful point mentioned in the policy.

The NEP 2020 also includes the three-language policy wherein all students will learn three languages in their school. At least two of the three languages should mandatorily be native to India.

The core aim is towards increasing the Gross Enrollment Ratio (GER) in higher education. The cause for dropping out has been found to be the inability to cope with languages like English.

Usage of technology in the delivery of education: The policy recognizes the usage of information and communication technology (ICT) for both student and teacher learning.

At the primary education level, the policy proposed that coding be introduced in school curriculums as an important skill-set.

Similarly, the policy aims to promote interdisciplinary research and innovation. For example, Higher Education Institutions (HEIs) would serve the purpose of start-up incubation centres and technology development centres and a National Research Foundation is also proposed to be set up to nurture a culture of research.

Curated curriculum: In a more holistic move towards education and assessment, there will be infrequent exams only in classes 3, 5, and 8. A change is expected in class 10 and 12 board exam patterns in the future, too.

While being more aligned with the global education system, all these education reforms will boost multidisciplinary education. The process will continue even in higher education with all institutes set to become multidisciplinary and more focused on research in the long run.

Teacher training: There was a need to introduce a paradigm shift and include emerging subjects like child psychology and development, information and communication technology, issues related to health, safety, and nutrition of children. It was also felt that teaching-learning and child development should go hand in hand. The NEP 2020 suitably addresses these issues.

A move will be initiated to convert standalone Teacher Education institutions into multi-disciplinary institutions by 2030 offering a 4-year integrated teacher preparation program.

Special focus on Early Childhood Care and Education (ECCE):The first five years of life are extremely vital when a child's brain remains the most flexible and more receptive to learning. These first five years form the central building blocks for the holistic development of the faculties of a child. The NEP 2020 has focussed on ECCE and included it in its pedagogical structure in the form of the foundation stage.

Benefits of NEP 2020:

Multiple entry-exit options

The NEP 2020 has introduced one of the biggest changes by bringing in a 4-year undergraduate or Bachelor's degree with multiple entry-exit options. A student would now be able to decide how much to study as well as will be able to decide when to study. For example, a student may need to start working after four semesters, but have the right and ability to go back at a later time to complete their education and graduate with a 4-year degree.

Offering a broad-based education

The NEP 2020 offers students the ability to have a broad-based education through multidisciplinary institutions. It has been observed that students in India generally tend to focus on their subject matter at an early age, whether it is engineering or medicine, or law. They miss out on exposure to other aspects of life such as humanities and music and arts. A general consensus exists among educators that student learning with multidisciplinary learning leads to higher-order thinking abilities and more in-depth learning.

Moving away from rote learning

Students all this while have been used to rote learning and memory-based assessment. A student should be capable of understanding the process of learning and how to integrate different viewpoints and to generate their responses depending on the changing environment and inputs. There is a need for students to develop their thinking process and to deal with uncertainty, which is more in tune with the real-world scenario.

[Linkhttp://bweducation.businessworld.in/article/NEP-2020-A-Game-changer-In-The-Education-Sector/17-12-2020-354808/](http://bweducation.businessworld.in/article/NEP-2020-A-Game-changer-In-The-Education-Sector/17-12-2020-354808/)

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process and SAR of all types of programs such as Engineering UG / PG (Tier 1 & II), Polytechnic, Pharmacy, MBA, MCA, Architecture etc.
For more details, please write an email to edu@ionidea.com

IonCUDOS® (Outcome Based Education Software)

Integrates Curriculum Design, Delivery Planning, Assessment Planning and Attainment of Course Outcomes (COs), Program Outcomes (POs) through direct and indirect measures. Helps in institutionalizing outcome-based education by reducing the faculty workload, effort and time significantly.

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Fair, Transparent, Innovative, Robust Evaluation platform which automates the entire Evaluation of Answer scripts reducing the Cost, time involved in result processing and Provides versatile reports, real-time analysis of evaluator, Evaluation, and posts evaluation data for Post Examination Data Processing like Result processing, Grading and OBE in a secured Manner.

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OBE enabled Learning Management System is a comprehensive system to enhance Teaching Learning Activity to achieve excellence in academics through Teacher & Student Success. Students can learn at their own pace through versatile Web and mobile based applications with teacher monitoring the progress of each individual student and their contributions towards the course.

IonEXAM

A remote Examination Solution which is a simple to use and efficient solution to assess students remotely with the safety of students and staff on top priority. The solution is customizable and meet all implicit and non-functional needs such as security, scalability, reliability, browser compatibility, user experience etc..

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IonIdea

38-40, EPIP Zone, Whitefield, Bengaluru, Karnataka 560066

Office Phone: +91 (80)-665-81500 (extn. 1052, 1064)

Email : edu@ionidea.com | Website : <http://www.ion-education.com/>

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