

DIGITIZATION OF EDUCATION

The changing face of education can be seen in the technological innovations spotted in the sector. By Bindu Gopal Rao

For a long time distance education was driven by reading material that used to be sent by post. However, technology has opened up a whole new world. Now teachers can train distance education students online. Naturally course material has to be put online too. Hence the increasing need for digitization.

But simply digitizing old material is not a great idea. Universities and institutes have to create audio visual material, which is engaging, easy to



understand and apply. “Many of our courses are full of checklists, mind-maps and templates that can be used for actual work rather than just text material or recorded videos. Also, we ensure that while studying students can ask questions, discuss issues and interact with each other within the learning environment,” says Ramanuj Mukherjee, CEO, iLeaders.in. “Let’s say you are studying a specific point in a corporate law course and have a doubt. You mark that portion and ask a question. Then others can come and discuss. Experts can reply to your query. Now that discussion also became a part of the study material for those who will read it in the future. This is how the studying experience gets even more enriched.”

The digitization process involves scanning or photographing materials and putting them on a website.

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MERCEDES-BENZ TIES-UP WITH NIET, GR. NOIDA

The emerging competition in the field of higher education has raised the demand of innovative and focused approach of different engineering institutes not only to fill their seats but also to support the students in fulfillment of their career aspirations. The students join a college with lots of expectations and it is the responsibility of

the college to live up to their expectations. Noida Institute of Engineering & Technology, Gr. Noida is one of those successful colleges who have always worked towards bridging the gap between industry and academia; and to provide students with the best of facilities. One such recent effort taken by the Institute is the collaboration with Mercedes-

Benz India, to start a unique Advance Diploma in Automotive Mechatronics course for developing vocational competence that enables students to learn the modern automotive technology and make them skilled personnel in the global market. NIET is one of the first institutions to have tied up with Mercedes-Benz India for the renowned Mechatronics course. This type of course is not included in current educational syllabus. The collaborative course will enable students to be trained as per the highest standards of modern automotive technology and thereby will bring added synergies between technological innovations and market demands for skilled personnel. NIET is setting up a dedicated lab in the campus featuring a Mercedes-Benz C-Class sedan.

Digitization helps ensure that preserving and continuing digital materials are available as technologies change. “Digitization can be a tough project to embark on, but there are many benefits to digitizing the course materials. It can provide easy exposure to the digitized materials, can help you share course materials with other organizations, and showcase your knowledge base to wide range of students. Digitization of course material also improves student’s education by enhancing interaction between schools as well as parents and providing data-driven decision support system,” says Satish Modh, Director, VESIM, Vivekanand Education Society.

Dr. Sarika Lidoria, Vice-President - Enterprise Systems, ITM Group of Institutions, adds, “By dissolving the barriers of time and space an online library makes it possible for students



and teachers to be connected, at almost no cost, to resources literally at the other end of the globe. It ushers a cost, space and time efficient alternative to the traditional pen and paper, brick and mortar form of education.”

Digitization of course materials open up a host of opportunities for adding a richer learning experience for students. “For example, in a course on

high school geography, if a module is devoted to how volcanoes work, along with the explanatory text one could have a video showing the pressure building up under the volcano and eventually leading to an eruption. Standardized lectures could be recorded and played back by students at their leisure. Worksheets could be automated to give feedback to students on a real

G.L. BAJAJ STUDENTS GET PLACEMENT OFFERS FROM INDUSTRY GIANTS

Students studying at G.L. Bajaj have been among the top choices of recruiters over the years. Hence, campus placement at G.L. Bajaj has been a big success with around 1200 plus placement offers for Batch 2018. Till April 2018 the campus hosted around 130 companies

and students found recruitment opportunities in sectors ranging from IT to management, from core companies to multinationals and even to e-commerce and startups, including Fortune 500 companies.

“Hauling out the latest industrial practices has been one of our major focus. Therefore, since the first batch of students who have graduated in the year 2009, we have been witnessing unparalleled placements. In the current batch, in spite of having adequate time to finish this academic year, we already have 1200 plus placement offers for the students and placements are still continuing,” informs Mr. Pankaj Agarwal, Vice-Chairman of the

institute. “Batch 2018 have got 1200 plus offers from industry moguls including Capgemini, TCS, IBM, Saint Gobain, Ashok Leyland, NTT Data, Bosch, Infogain, KPIT Technologies, United Health Group, Mindtree Ltd., etc.” Commenting upon this incredible success, Pankaj Agarwal, Vice Chairman of the Institute, says, “This sustained demand of G.L. Bajaj students can be attributed to its ability to ensure its teaching methodology remains industry-relevant and by providing additional certifications like MTA, PTC, Cloud Computing, Java, Networking, Artificial Intelligence, Big Data, etc. Hence, the students get additional advantage at G.L. Bajaj educational institutions.”



time basis eliminating the need for a teacher to have to grade worksheets”, says Arjya B. Majumdar, Associate Professor, Jindal Global Law School.

British Council offers ‘myEnglish Workplace’ an online and interactive platform for young professionals to develop their English language and business communication skills. Combining online resources with live digital classes imparted by internationally qualified teachers, myEnglish Workplace offers top quality learning in a flexible and interactive way and helps jobseekers and professionals enhance their career prospects.

Technology has been at the helm of rehashing business and customer experiences. Learning has been no different as innovation and technology are changing the paradigm in on-the-go experiences and practicality of the concept being discussed. “We

TECHNOLOGY HAS BEEN AT THE HELM OF REHASHING BUSINESS AND CUSTOMER EXPERIENCES. LEARNING HAS BEEN NO DIFFERENT AS INNOVATION AND TECHNOLOGY ARE CHANGING THE PARADIGM IN EXPERIENCES



at SCMA have focused on skill based learning via our digital methods of teaching and assessment. The right skills and knowledge met with the demands of a constantly changing environment of enabled learning and improved retention. Knowledge is very prominently associated with retention when we discuss the applicability of learning and the millennial era of knowledge is a combination of text and visual based learning that empowers sustainability in the learning tangent and a modicum of quicker recaps,” says Udit Karan Chandhok, Marketing Manager, SCMA. With Big Data, AI, AR and VR making giant strides in education, India is at the threshold of a great societal change.

“I think digitization holds great promise both inside and outside the classroom. Learning becomes engaging in the classroom with simulations,

JAIPUR'S UEM MAKES ITS MARK



The sun is shining brighter in Jaipur this summer and the University of Engineering & Management (UEM) Jaipur is getting more and more visible to people across the globe. It has now been rated the topmost university of Rajasthan, ranked by the NPTEL examination initiative of the Ministry of HRD, Govt. of India. The university never feels as much pride of its enormous accolades, as much as it does for the topmost quality of 1000+ students that have passed out in the seven years that it has been around. Students of all passout batches of UEM Jaipur have ensured more than one job offer for themselves. They are passing out with even six job offers in 2018, with some of them being offered the highest salary of more than Rs 10 lakh per annum. The highest job offer for its



parent institute IEM reached Rs 40 lakh per annum in 2018 (offered by Adobe). Alumni of the parent institute IEM are present all across the globe in Google, Microsoft, Adobe, Amazon USA, and are also present in all top universities of the world including Columbia University, Carnegie Mellon University, Stanford University, Harvard Business School, etc.

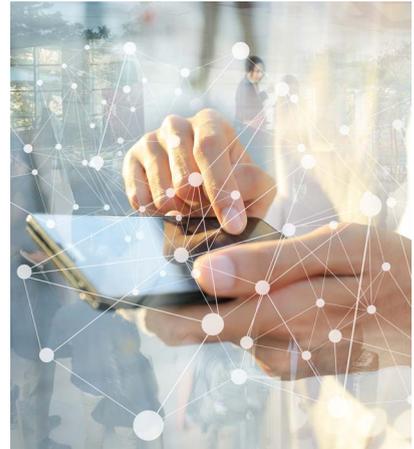


audio-visual content, activities and interactive assessments. Outside the classroom, learners can access material anytime and anywhere,” says Beas Dev Ralhan, Co-founder and CEO, NextEducation. In a survey conducted by statista.com, 92 per cent of the student community worldwide has shown an ardent interest in digitalization and its practice. “In a developing country like India, with 200 million internet users, one can only imagine the effects of digital learning. Digital tools are used not just at colleges or university level but also at schooling level,” says Karan Sachdeva, Co-Founder, MereExams.

In the K-12 arena, schools are making major strides towards blending traditional course formats by utilizing online course delivery platforms in addition to digital materials which allows teachers and students to connect

and learn beyond traditional ideas of the school day. Access to quality teachers and practitioners has become possible due to online learning. Vikas Gupta, Managing Director, Wiley India, avers, “Immersive learning is the future, learners today look forward to participating in project-based problem-solving learning experience. This has also fueled the emergence of virtual learning environment that enables peer learning and mentoring in a highly productive pedagogy. The mode of accessing information is dramatically shifting, even when it comes to learning and skilling. Content is now accessible round the clock and few clicks away and terms like Digital Libraries, Hybrid Libraries, and E-Learning, are floating around the news media.”

Digitization of course materials and online delivery of courses solves the problem of access and reach of



EXPERIENTIAL LEARNING AT SISTER NIVEDITA UNIVERSITY

Sister Nivedita University (SNU) at New Town, Kolkata, has been inspired by the teachings of Swami Vivekananda and Sister Nivedita. SNU aspires to be a “university of choice” for students who seek an experiential learning that is value-based and holistic. The curriculum focuses on various disciplines with one overarching goal: transform lives, one student at a time. The degree programmes are designed to attract students from all facets of life. SNU is committed to empowering women and the disadvantaged, and plans to emphasise on entrepreneurship



to transform educational opportunities in West Bengal and India. SNU’s curriculum is research-based and constantly upgraded to include contemporary global development. It has a holistic approach towards education which is discipline-based. SNU encourages faculty and student

interactions and has in place an industry-designed curriculum that facilitates job placements and internship for students. SNU provides an educational infrastructure that is state-of-the-art, conducive to intellectual growth and quality research, and which promotes effective exchange of ideas and free thinking. SNU courses are designed by industry experts like TCS, BSE Institute and many more which makes the student industry-ready from Day 1. The courses are approved by UGC, AICTE and NAD. The various courses can be undertaken at the following SNU Schools of Study: School Of Engineering, School of Business, School of Natural Sciences and School of Humanities & Social Sciences.

For more details, log on to www.snuniv.ac.in or call 1800 2588 155.

quality educational content to students across demographics and geographies. “Today, students residing in smaller and remote towns and villages of India can get access to quality education from a well-known university or college, which they otherwise would not have considered given the financial and proximity challenges. For the urban learner too, digitization of education has its advantages, convenience being the prime factor. In addition to access to course material at any time and from any place, students have the liberty to learn at their own pace and in a geographical location of their convenience,” says Karthik Kadampully, Co-founder & CEO, AEON Learning.

Rupal Dalal, Executive Director, JD Institute of Fashion Technology says, “Recently we did a web telecast of a master seminar that saw stalwarts of the design industry like Rina Dhaka

and Sonali Bhagwati. The seminar was addressed to an audience of 400 plus budding designers providing practical knowledge. The seminar was shared with over 2000 students across centres of JD Institute of Fashion Technology through live streaming video technology. With cloud computing technology, our students can access the content of the seminar anytime from our official sites.”

E-books are integrated with features such as annotation, select and highlight, addition of notes or reference and extraction of specific passages to create own learning trail. “As special content get created E-books will bring multi-media content with colour, dimension, audio, video and even interaction through touch and type. E-books and documents come with various advantages of being easy to produce, update, store, search and



DIGITAL RESOURCES

- www.swayam.gov.in
- <http://nptel.ac.in>
- <http://www.vlab.co.in>
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- <https://www.khanacademy.org/library>
- <https://www.coursera.org>
- <https://www.udemy.com>
- <http://www.vidyaonline.net/index.php>

THE RAMAGYA GROUP REFORMS INDIAN EDUCATION



Ramagya Group of Institutions is a pioneer in the education industry. With a history spanning more than 15 years, the Ramagya Group has established itself as a beacon for expanding educational access and is a leader in instructional innovation. Under the ambit of Ramagya Group of Institutions lie various schools, sports academies and coaching institutes for higher education, both as classroom teaching and online support. Ramagya School, the frontrunner in their portfolio, needs no introduction in Delhi-NCR. Ranked amongst top 30 Great Indian Schools by Forbes India magazine, it has been constantly ranked among the top 5 senior secondary schools in the region by ToI. With a sprawling WiFi enabled campus, spreading out to more than 3 acres,

the infrastructure is unmatched. Ramagya School also boasts of having a curriculum designed as per globally accepted standards. While the school takes care of the formal education of students, Ramagya Sports Academy hones the physical capabilities of the students. Ranked among the top 10 leading sports academies across the nation, Ramagya Sports Academy caters to individuals of all ages. Physical well-being, sportsmanship and team spirit, among other virtues, continue to bloom under the expert guidance of the mentors at Ramagya Sports Academy. While the schools and sports academies provide the much-deserved nourishment to students early on in their life, Ramagya offers more. Ramagya Institute prepares students to excel in competitive exams.



DIGITIZATION OF TEXT BOOKS ALONE DOESN'T NECESSARILY HELP STUDENTS. IT ONLY HELPS WHEN THEIR LEARNING IS COLLABORATIVE AND INTERACTIVE IN NATURE. TODAY EVERYONE IS MORE INVOLVED WITH THE DIGITAL WORLD

research, retrieve, carry, hold and read. With advanced encryption and security it is possibly even more effective than paper in preventing unauthorized duplication," says Prof Mahadevan Subramaniam, TAPMI.

Digitization of text books alone doesn't necessarily help students. It only helps when their learning is collaborative and interactive in nature. "Students get the flexibility to make their work more comprehensive and detailed with the availability of content online. Further, you will need devices that students work on both from home and in school," says Christopher Hanvey, Director Operations, Genesis Global School, Noida. Today, everyone is more involved in a digital world, and the traditional brick and mortar systems of learning have caved in to digitization. Students benefit in many ways as they would not have to make

those errands to classrooms or even for on boarding one such course.

"The entire process right from admissions to examinations and also alumni enrolments can be done online. Digitization of course materials have facilitated better consumption of content as students learn from these modules as per their schedules," opines a spokesperson from MeritTrac Services. Major textbook producers continue to expand their offerings by providing digital textbooks that allow students to interact with content beyond traditional print. "Digital textbooks provide content through media like video, simulations and data visualization which help students engage with course content on a deeper level. Digital textbooks offer even augment traditional studying by including interactive assessment that provides students and teachers

REVA EXPO-2018 SHOWCASES TALENTS OF TECHNICAL STUDENTS

REVA University organized a two day event, REVA EXPO-2018, to showcase ideas and talents of technical students through project exhibition and poster presentation on April 27 and 28, 2018. REVA EXPO-2018 was inaugurated by Dr. Keshav Dattatreya Nayak, distinguished DRDO scientist and Director of Advanced Numerical Research and Analysis Group in Hyderabad along with Dr. P. Shyama Raju, Chancellor, REVA University. There were 250 stalls installed in the REVA University campus, where more than 500 science and technology oriented projects were exhibited. The REVA EXPO witnessed projects related



to automobiles, agriculture, autonomous robots, agro-based, smart infrastructure, mechanisms to test the structures, alternate materials for roads and building, soil testing, innovative ideas of cloud computing, optimization of process parameters in computing and modeling. In addition to the project demo by students, PSUs like ISRO exhibited all models

of satellites, BEL on defense products, BEML on heavy duty earth moving machineries, and NAL and ADA on various fighter flights and their developments. SLN Technologies exhibited several defense and DRDO based projects for the benefit of students. Few of the successful startups also showcased their products at the startup pavilion. The Aero Show was organized by Airyetails at REVA University premises. An exquisite display of miniature aircrafts whizzing around and performing enthralling stunts and synchronized sequence left everyone in awe. This event created enthusiasm in students and also had fun elements added to it.

SPOTLIGHT EDUCATION

with critical feedback,” says Dr. Beverly Sortland, Head of School at Stonehill International School.

Overcoming the major milestone of high costs involved in establishing online education, India has successfully been able to adopt the path of digital education since the past decade. “This phenomenon has thereafter contributed in improving the quality of education and made learning an interactive experience. With more people demonstrating adaptability, even the rural parts of India are now developing acceptance for online education,” says Pratisht Nair, MD and Founder, PKSBE. Digitalization is a positive step and it is only improving every day. With rising demand for digital education, the classrooms are being changed into interactive rooms for education.

“The growth of online education in India will be driven by a combination



JOINT MD OF ST. ANGELOS VNCT VENTURES WINS PRESTIGIOUS AWARD

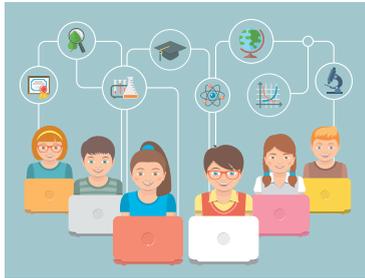


The CREDAI-MCHI Woman of the Year 2018-2019 award was given to Ms. Geetha Nagu, promoter and joint managing director of St. Angelos VNCT Ventures for developing the White Villas across multiple cities of India and the White

Villas at Shahpur near Thane and Mumbai, designed by Ms. Sussanne Khan. This clearly defines woman power. Ms. Amruta Devendra Fadnavis, the wife of the honourable Chief Minister of Maharashtra, was the guest of honour who handed over the prestigious award. The awards ceremony was held on May 5, 2018 at The Dome, NSCI, Mumbai and was attended by hundreds of developers and real estate connected vendors from across India. Ms. Geetha Nagu was thrilled with the award and felt that her hard work and focus had paid off. She expressed that these are the moments which define the course of action for further achievements.

The directors of company were thrilled with the recognition and the award and expressed satisfaction for the work they do. Mr. Agnelorajesh, the chairman of SAVV, said, “This recognition makes us more responsible for our commitments and also motivates us to do better.” Mr. Nagu, the Managing Director, said, “It’s our dedication and thought process which differentiates us from the others. And we will keep excelling in what we do.” Sugra Athaide, director of SAVV, felt proud with the recognition and mentioned that she would always work towards goals which would benefit the customers and create new levels of satisfaction for them.

GROWTH OF ONLINE EDUCATION



Online learning can be an essential tool and platform for student education. The Indian online education sector in India is showing promising growth and is estimated to grow at a compound annual growth rate of 52 per cent to reach \$196 billion by 2021, according to a joint study by Google and KPMG. The online education sector in India is growing massively and now government bodies are also promoting online education.

“The key factors that are actually driving the inclination towards online

education are the convenience, increased reach and the personalization of course offered in online modules,” says Dr. Mun Mun Ghosh, Deputy Director & Head, Academics, Symbiosis Institute of Media and Communication, Pune. UGC is also coming up with its online courses regulation.

Kunal Choudhary, Founder, DSIM, says, “The online education market in India right now remains at USD 247 million and is likely to see an 8x growth over the next five years. Seeing comfort, adaptability with beginning and varieties of study material are key motivational factors to approve online channel.”



of demand, supply and macroeconomic drivers. E-learning and test preparations are leading the market, but in future gaming and application of technologies like Virtual Reality and Artificial Intelligence is going to make an impact in the culture. India has exciting opportunities in the ed-tech sector with rising young population, increasing internet penetration and acceptance of online learning as a cost effective channel,” says Eric Wei, Senior Sales Director, ViewSonic Asia-Pacific. Naresh Babu Challagulla, Founder, Studymonitor, concludes, “The true revolution in education can only be achieved via digitization of education so that students can learn at their own speed both within and outside the classroom. Their learning upgrades while they carry on to advantage from fostering, mentorship and direction of their teachers.” ■

NEW AGE CO-EDUCATION AT VIJAY BHOOMI



Nestled at the foothills of the Sahyadri mountain range, in the village of Jamrung, Karjat, Maharashtra, Vijay Bhoomi International School (VIS) India, is set to embrace all open-minded individuals seeking to realise the benefits of combining a good head and heart with a

balanced mind and healthy body into making a positive difference within society. Surrounded by hills on three sides with a sublime valley in the west, VIS is a testament of its love for the elements of nature. The primary school will follow the time-tested Singapore curriculum. Later the IGCSE and

IB Diploma programmes will be offered. The school offers one of the best boarding facilities in South-East Asia for boys and girls between Grades 3 and 12. These include full-time boarding facilities, week boarding and day boarding facilities. Being mid-way between Mumbai and Pune, weekly boarding is an ideal choice for young aspirational working couples in Mumbai and Pune. Given the promise of academic excellence, a strong sports programme and a range of co-curricular activities, VIS promises benefits of an educational system with an international edge in a peerless and secure learning environment at an affordable price.

ADMISSIONS OPEN For boys and girls into grade 3-6.

For details visit <http://www.vijaybhoomischool.com>