



THE

BIG LEAGUE *institutions*

POWERED BY - Amrita Vishwa Vidyapeetham / 9th EDITION, MAY 2021



AMRITA VISHWA VIDYAPEETHAM COIMBATORE

At the foothills of Bouluvanpatty ranges of the Western Ghats in Tamil Nadu, in a scenic village named Ettimadai lies the 400-acre well-planned campus infrastructure of Amrita University. With its roots dating back to 1994, Amrita's first campus in Coimbatore is also the administrative headquarters of Amrita Vishwa Vidyapeetham. The School of Engineering and Business, Department of Social Work and Communication, Research centers including AMBE, CEN, CES, and Cybersecurity are also located on this campus. Currently, the campus is home to nearly 3500 students and about 600 faculty and staff members. The campus is well-equipped with high-standard laboratories, a state-of-the-art PARAM 10000 supercomputer, stable campus networks, a library with large collection of books and journals, a rich intranet digital library, vast recreational facilities, well-maintained tennis, badminton, and basketball courts, a modern gymnasium, and an Olympic-size swimming pool. With an environment secluded from all sources of pollution, the pristine atmosphere at Amrita Vishwa Vidyapeetham fosters good health and learning in all students on board.

DIGITAL EDUCATION- THE NEAR FUTURE

One of United Nation's Sustainable Development Goal is that every one of its 193 member states spends 4-6% of GDP and/or 15-20% of total public expenditure on education by 2030. So **what do educators expect will happen in the future?**

Computers will soon take care of every statistical analysis, and describe and analyze data and predict future trends, thereby rendering **mathematics, considered one of three literacies**, less relevant. Therefore, the **human interpretation of these data** will become a much more important part of the future curricula. Applying the theoretical knowledge to numbers, and **using human reasoning to infer logic and trends** from these data will become a fundamental new aspect of this literacy.

Skills that will be valued may perhaps be **creativity and intuition**, which only the human mind can offer (at present). The ability to **innovate, communicate and collaborate** in global teams will be valued. **Critical thinking and problem solving** will take precedence.

Learning does not necessarily happen in the classroom or lecture hall, it also happens from each other, the environment, at the dining table or the coffee shop. One fundamental question that already presents itself to educators is that **how do you teach a digital native when they can just Google it?**

Based on a recent study published by the Forbes, Teaching will be less a vector of knowledge than peer-to-peer learning. With the emergence of **diversity and personalization in the learning process**, there will be **more independence** built into the education system. **Mentoring will become fundamental to student success**. Teachers (and educational institutions) will form a central point in the jungle of information that students will be paving their way through.

More on how challenges in eLearning can be leveraged into our lives at:-

<https://shouryoryx.wordpress.com/2021/04/08/e-learning-for-social-emotional-skills-pros-and-cons/>



DR. SHOURY KUTTAPPA

ACADEMIC MANAGER & COUNSELLOR
IN THE OFFICE OF THE CHAIRMAN
ADMISSIONS & OUTREACH AT SCHOOL
OF ENGINEERING



THE JOY OF LEARNING THROUGH ART

It was the documentary *Cave of forgotten dreams*, featuring the oldest known human-painted images in Chauvet caves of Southern France, that I began to ponder upon the motivation behind the creation of such masterpieces, dating back to 32,000 years ago. In times when even the survival was a constant challenge, these images could not be merely the expression of arts in pensive moods of mortals. There must be a definitive purpose aimed to convey something much more meaningful to the fellow human beings. Or was probably in these caves that the awakening of civilisations happened? To my mind, the paintings were an effective and efficient way of communicating ideas, feelings and information such that even before the existence of a language or script, it was art that became the instrument of educating each other about life. Art is an expression of our thoughts, emotions, intuitions, and desires, but it is much more personal than that; Art is about sharing the way we experience the world, which for many is an extension of personality. Therefore, art must have played a critical role in the inception of civilization

With the growth of civilization, art has retained its aesthetic significance and popularity; however, as strange as it may sound, art has increasingly faced existential crisis in its role of shaping the personality of people. This can be attributed to the allocation of the right of artistic creation to only a few selective individuals- branded as artists, who unknowingly transformed art into a discipline. Art is life! Indulging in any form of *art- visual or performing*, impacts the basic intellectual processes and personal attributes of an individual that are at the core of cognitive, social and emotional development. Therefore, it is mandatory for young people to get authentic learning experiences such that it engages their minds, bodies and soul towards better personality. This is not abstract and many contemporary authors recognise a source of

inspiration in justifying the necessity of including the arts in education to realise intrinsic benefits as well as developing the capacity to face contemporary challenges within the framework of citizenship education

As an example with whom we can all relate, *Rabindranath Tagore*, the first Asian recipient of Nobel Prize for literature in 1913, was not just a great poet but also a multi-talented personality. Tagore came up with the first of its kind school- the Shanti Niketan and actively contributed as one of the greatest educationists of modern age. Tagore propagated the idea that real education is the cultivation of intellect that cannot be gained by the mere reading of books. Putting simply, this implies that instead of putting a lot of

emphasis on the memory, education should be a medium to develop thinking, creativity, imagination, whereby these can significantly be attained through art, poetry, theatre, dance, music, etc. In Tagore's words about his experience of education, *Fortunately for me I was brought up in a "family where literature, music and art had become instinctive. My brothers and cousins lived in the freedom of ideas, and most of them had natural artistic powers. Nourished in these surroundings, I began to think early and to dream and to put my thoughts into expression. This made us fearless in our freedom of mind, and we tried experiments in all departments of life. This was the education I had in my early days, freedom and joy in the exercise of my mental and artistic faculties..."*

In coming up with this age that has witnessed an overhaul leading to significant transformation in the educational system, the current scenario calls to an urgent need of designing policies that imbibe the relevance of art in modern day education. This is to initiate an awakening to the ever-lasting impact of art in life, reinforced in the core structure of education. A silver-lining in this direction is the new National Education Policy (NEP) 2020 that significantly amends the education directive with the inclusion of added emphasis on the integration of art in curriculum. Prior to understanding what NEP 2020 expects and the ways by which they are expected to be achieved, let us first delve into what is an art integrated curriculum.

Integration of arts with other subjects simply means that arts (visual arts, performing arts and literary arts) shall become an integral part of teaching-learning processes. It also implies adopting an art-integrated curriculum, where art becomes the basis of classroom learning. Arts at the centre of the curriculum, helps in clarifying concepts. Art-integrated curriculum can provide means to bridge content of different subjects in logical, learner-centric and meaningful ways. All subjects such as mathematics, sciences, social sciences and languages and their abstract concepts can be correlated, linked, concretised and learnt effectively with art at the centre. Learning by this method becomes holistic, joyful and experiential. While engaging with arts,



MS. DEVYANI KAPOOR
FOUNDER, MENTOR - EDUDEVS

learners go through different stages, such as observing, thinking, imagining, exploring, experimenting, deducing, creating, recreating and expressing. These stages need actual involvement of all the three domains: cognitive, psychomotor and affective. Hence, it is experiential in nature and leads to the holistic development of every learner. The benefit of such experiential learning creates the basis for better learning in other subjects. Finally, if arts is integrated as a pedagogical tool, it would make learning a joyful experience for the learner. As a result, every teacher, and not the arts teacher alone, need to understand the skill of integrating art in the curriculum.

The NEP 2020, by integrating art in the curriculum, has enhanced the role of the arts teacher. Arts departments in schools would now have a completely new addition to their set of responsibilities like never before. Arts teachers would assist other subject teachers in planning their lessons with the help of integrating art as a pedagogical tool and assisting them in classroom teaching as a team teaching mode. On the part of other subject teachers, it is expected that they clearly understand and are able to discern between art as a subject and art a pedagogical tool. They are able to relate that art if used as a pedagogical tool leads to a truly holistic and experiential learning. The teachers are expected to go beyond the text book and create modules that would promote life skills such as resilience, empathy, collaboration, critical thinking, problem solving, etc. in the learners and make learning a purposeful experience.

To conclude, one of the most important aspects of art is that there is no right or wrong answer. **Knowledge is approached** in an experimental manner. As art is an expression of the self, it helps the disadvantaged to express their innermost feelings through their works of art. Art helps the children to engage with one another by breaking all the barriers, where despite belonging to different backgrounds, they can communicate among themselves and enjoy the education process.

WATCH OUR LATEST EPISODE HERE



DECODING NEP-2020

WEB SERIES-EPISODE 9

Formalising Elementary Education

Part 2





Ms. Devyani Kapoor
Educationalist Thought leader,
Founder & Mentor Edudevs
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Moradabad, Uttar Pradesh



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Headmistress, G.D. Goenka Public
School Sector 48, Gurgaon



Dr. Vinata Sai
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School of Engineering, Amrita Vishwa
Vidyapeetham, Chennai Campus

29 MAY
4.00 PM IST

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<https://www.youtube.com/watch?v=Qe-riSmJQ-U>





VOICE OF THE EDUCATOR

LEARNING CAN TAKE PLACE FROM ANYWHERE AND REACH EVERYWHERE

With the advent of Artificial Intelligence (AI) and machine learning, students and teachers have a brighter and smarter future. AI Technology enhances learning, it allows children to understand, discover and explore.

As we learn to live with machines, we are changing socially, emotionally, and culturally. There is a common assumption that AI might make the job of teachers obsolete, I believe that with the introduction of AI the role of teachers and learning pedagogies are going to change, but not for the worst. More of personalized, blended, and project-based learning will come in where the teacher will be a guide by the side and play a role of a mentor.

AI software and apps will allow customizing learning. The students will be assisted as per individual needs. It will also allow analysis of assignments and scores which can be done with the help of data analytics and each student can be catered at a more personal level.

Feedback plays an important role in teaching-learning process. There are AI smart tutoring systems like Carnegie Learning's "MIKA" software which offer quick feedback and help students and teachers using cognitive science and AI technologies. These systems are soon going to become fully operational helping educators to build strong relationships with their students.

Education has no limits, and AI can help teachers and students to eliminate boundaries. During this pandemic we all have adapted technology beautifully and it has taken a drastic transition. With more AI powered equips and more training, we in the field of education, will help our children build the foundations for the rest of their lives. Learning can take place from anywhere and reach everywhere.



MS. NIDHI TIWARI
TECH EDUCATOR SPRINGDALES SCHOOL, PUSA ROAD, NEW DELHI



FROM THE PRINCIPAL'S DESK

"...Education should try to preserve the most remarkable features of the young mind - its adventurousness ... its resourcefulness, its generativity and its flashes of flexibility and creativity." - Howard Gardener

PROJECT BASED LEARNING

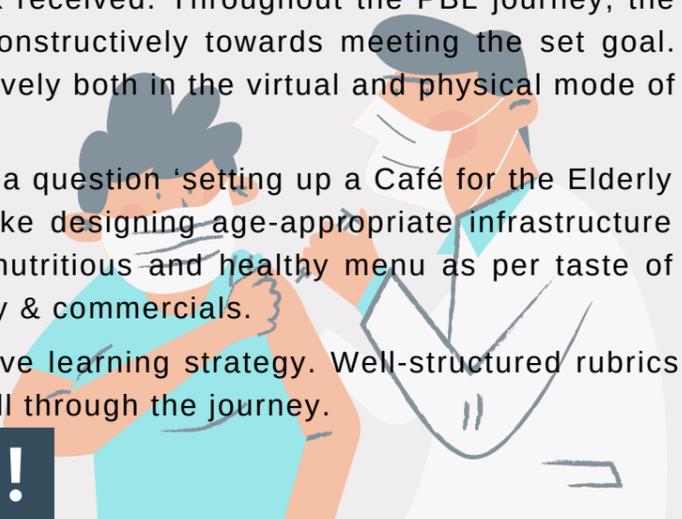
Project Based Learning (PBL), a pedagogical innovation is a perfect alignment of Gardener's aforesaid purpose of education as PBL shifts the onus of learning from the teacher to the student. It is important to understand that compared to traditional projects, the impact of conducting a project-based learning activity is far richer and deeper. A project limits the involvement & focus of the learner on the end product and is often used for **"Assessment of Learning"**. PBL, on the other hand, focuses on the process of learning and learner-peer-content interaction. It is in sync with **"Assessment as Learning"** and aims to develop the learners as researchers, innovators, collaborators, and metacognitive thinkers.

The key steps in PBL involve working in groups on smaller tasks that involve assimilation of previous knowledge, research, data collection & analysis, brainstorming using innovation & creativity to arrive at a tangible solution or product. The product or solution is then presented to a large audience including experts from relevant field, teachers, parents & peers, and is improvised based on feedback received. Throughout the PBL journey, the teacher acts as a guide, directing students constructively towards meeting the set goal. Having followed these steps, PBL works effectively both in the virtual and physical mode of learning.

PBL can be best understood with this example where students of middle school worked on a question 'setting up a Café for the Elderly in your city'. The students worked in groups on various aspects of setting up the café like designing age-appropriate infrastructure including comfortable furniture, ramps etc; pick and drop services, appealing ambience, nutritious and healthy menu as per taste of elderly people, indoor games & popular music of relevant era for entertainment and publicity & commercials.

This example indicates how pedagogically, PBL is an innovative, engaging, and progressive learning strategy. Well-structured rubrics need to be designed for the assessment of PBL along with constant & elaborate feedback all through the journey.

It's time to get Vaccinated!





RENDEZVOUS

DO YOU THINK DIGITISATION OF INDIAN CLASSROOMS HAS IMPACTED THE QUALITY OF LEARNING? HOW?

Education is a basic need for every human being and digital education is the current trend and necessity for every student, especially during the COVID-19 pandemic. Digital education broadens the horizon and opens up an ocean of knowledge for students in easier and different ways than before. It also reduces the learning time. Until the recent past, traditional education system was mostly dependent on textbooks and classroom teaching. But nowadays it is easier to find any text book and other learning material by using digital educational tools. Children explore and take the ownership of learning. Virtual tours, experiential learning projects, flip learning and various other learning apps like quizzes have made teaching and learning process student-centric rather teacher-centric.

In spite of these advantages, online education has lowered the quality of learning as online education creates a monologue and not a real dialogue in the learning environment, which is required. Social interaction at school helps in the development of language, communication, social, emotional, and interpersonal skills in children. In online learning it is difficult for teachers to find teachable moments and develop life skills in children.

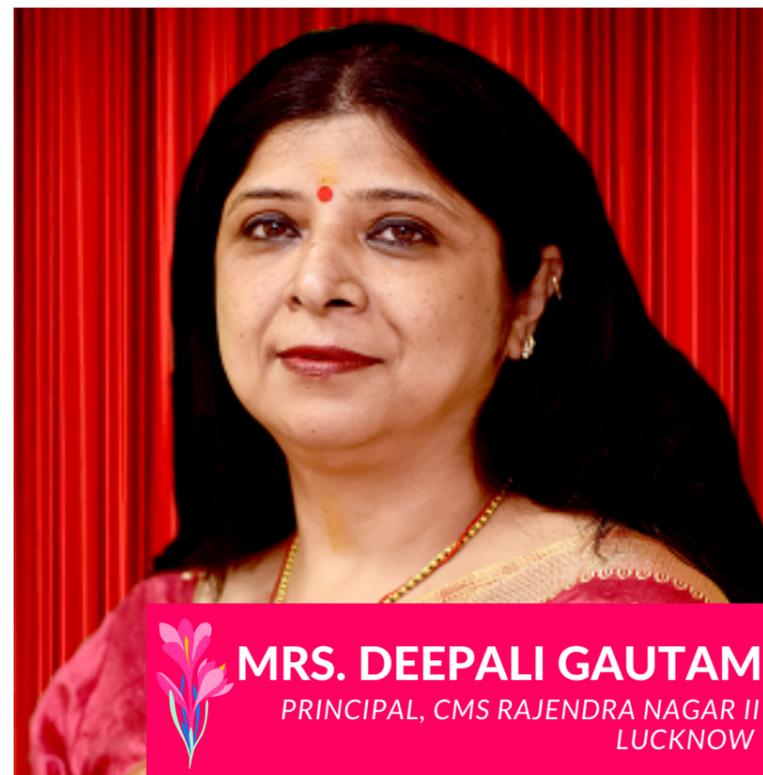
THE ENTIRE ASSESSMENT SYSTEM SHOULD BE RE-EVALUATED TO MEET THE FUTURISTIC NEEDS. WHAT WAYS DO YOU SUGGEST IN REFORMING THE ASSESSMENT SYSTEM?

Marks still continue to play the most important card in deciding the future of students and this often comes down upon them as a burdening factor. The pressure of marks often makes students underperform as instead of focusing on the concepts, the students value more cramming of what is taught. Rather, the focus of evaluation should be classroom participation, project-based learning, communication & leadership skills, extra-curricular activities, and develop the 6C's that are collaboration, creativity, communication, character building, critical thinking and citizenship. There needs to be a continuous assessment system wherein teachers monitor the students' progress throughout the session instead of just assessing them twice through an exam where they produce what they have been able to learn and retain in a day or two while preparing for exams. The format of the assessments or question paper too needs to have less questions on recalling knowledge and more of application-based and higher order thinking to develop critical thinking skills of students.

Students must also be taught in-depth about the morals of life and inculcated with humanistic values. They should be taught that life is much beyond money and success is not measured in money.

CAN THE ASSESSMENTS BE DIGITISED WHILE BEING FAIR AND TRUSTWORTHY? AND HOW CAN THEY BE PROCTORED?

Yes, the digitalization of assessments can be done while being trustworthy and fair as it gives equal opportunities to all students and is not subjected to human bias and provide opportunity for inclusive education. Live proctoring and recorded proctoring can be used to proctor assessment. Students must also be taught in-depth about the morals of life and inculcated with humanistic values. They should be taught that life is much beyond money and success is not measured in money.



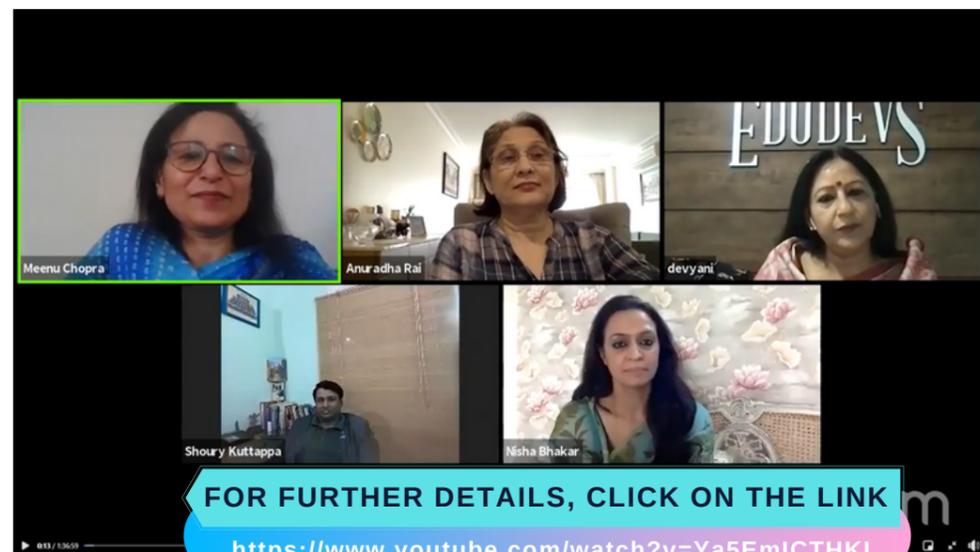
MRS. DEEPAI GAUTAM
PRINCIPAL, CMS RAJENDRA NAGAR II
LUCKNOW

HOW CAN WE PROMOTE DISCIPLINE OF SELF-LEARNING WHEN STUDENTS ARE NO LONGER IN THE CLASSROOM AND IN THE PRESENCE OF AN EDUCATOR?

Ways in which we can promote self-learning in students:

- Help students identify the learning goals.
- Monitor the learning process.
- Use game-based motivation strategies
- Cultivate intrinsic motivation
- Share achievements in learning with peers and teachers
- Create personal learning record.
- Providing opportunities to practise what they have learned.
- Ed Tools like mentimeter, quizzes, practice of flip learning, experiential learning projects, making power point presentations and then presenting to the class has made students independent learners. Break out room feature of Zoom leads to group work where students learn to collaborate, share and exchange ideas leading to student driven class and not teacher centric.

WATCH OUR PREVIOUS EPISODE HERE

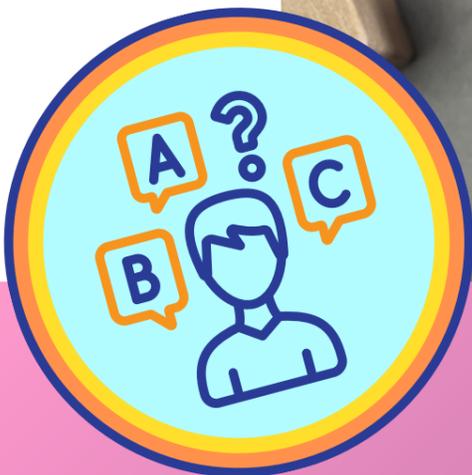


FOR FURTHER DETAILS, CLICK ON THE LINK

<https://www.youtube.com/watch?v=Ya5EmICTHKI>



Avoid touching surfaces and interacting with others needlessly to stem viral transmission.



QUIZ



TEACHER COMPETENCY SKETCHPAD



- According to Kohlberg in _____ level, moral development is based on saying good boy/girl.
 - Pre conventional
 - Conventional
 - Post conventional
 - Concrete
- Language plays a central role in mental development. This is a principle of _____ theory of development.
 - Kohlberg's
 - Piaget's
 - Vygotsky's
 - None of these
- _____ is a broader concept of the following.
 - Self-esteem
 - Self-image
 - Self-concept
 - Self-efficacy
- _____ is not a principle of growth and development.
 - Principle of specific to general
 - Principle of complex process
 - Principle of interrelation
 - Principle of individual differences
- The social ability in emotional intelligence include _____.
 - Self-awareness
 - Motivation
 - Empathy
 - Self-regulation
- According to Piaget's development theory, in _____ stage child can learn that symbols represent something else.
 - Sensori - motor
 - Pre-operational
 - Concrete operational
 - Formal
- Slow learner is related to _____ difference.
 - Physical
 - Emotional
 - Mental
 - Social
- According to Gardener's theory, 'know thy self' is characteristics of _____ intelligence.
 - Intrapersonal
 - linguistic
 - logical
 - Spatial
- _____ parenting style is the most effective in the development of child.
 - Authoritarian
 - Uninvolved
 - Permissive
 - Democratic
- The _____ is called as period of semi-maturity.
 - Infancy
 - Adolescence
 - Youth
 - Childhood

APRIL EDITION - QUIZ ANSWERS

- Collaborative projects
- Good girl-good boy orientation
- Active exploration of the environment by the learner
- The stages of moral development.
- Preoperational
- Biological
- Need of verbal teaching
- Children learn through social interaction with peers and adults
- Gardner's multiple intelligence theory
- 'Gestalt' theorists

Send your replies with your name and contact details at info@edudevsn.com
The first correct respondent's interview/article will be featured in the upcoming issue.

https://docs.google.com/forms/d/e/1FAIpQLScrFJa5g3-krUvOpYzztSRDMkeME2NJVZ2NEGSi3nlsSOFdbA/viewform?usp=sf_link



VOICE OF STUDENT



VARUNAVI CHAUHAN
NOMINATED BY MS. DEVYANI KAPOOR

Varunavi Chauhan is currently a final year student at **University of Delhi**. She's passionate about marketing and entrepreneurship. She is the founder of PaperWorks, a seed stationery business that's transforming the office supplies market. Besides being a budding entrepreneur, she works with a number of **social organisations** to help everyone progress towards a sustainable lifestyle.

GROW THROUGH WHAT YOU GO THROUGH!

Here are three ways on how you and your business can give a solid comeback to the COVID-19 setback that young entrepreneurs all around the world are facing!

When the entire world has been put on pause and we await for this pandemic to pass, it may be difficult to think about future plans, but as a young entrepreneur, you must hold onto your vision! You must brace for the political, social and economic challenges that are yet to come; however, this does not mean that you cannot strategize and align your businesses with the operations of a post-pandemic world. Here are a few ways on how you can unlock your potential to grow through what you're going through:

STAY SOCIAL, STAY ONLINE!

"THIS DIGITAL WORLD IS WHAT YOU MAKE OF IT IN THE END"
Utilise the power of social media to connect with your target market. Use email newsletters, videos, creative campaigns, and even interactive webinars so that your business remains at the forefront of your clients' minds. Within social media, using hashtags can expand your outreach and help people find the content that matters to them. Ensure that you update and try personalising your marketing messages so that they are oriented with this surge of digital work, whilst keeping the current climate in mind- simply ending a marketing message with a positive note or a call for action can make a big difference in the impact of that message.

CREATE RELEVANT CONTENT

Create a buzz about your brand by looking for emerging trends that will come out of this pandemic, and creatively present as much knowledge as people can digest. Analyse your strengths and opportunities and nourish them, diversify your playing field so that you have a finger in different industries, and find the "it" factor that will make your target customers not think twice about coming on board with you or purchasing something from your brand.

DON'T GO WITH THE FLOW!

"TREAT THIS CASH CRUNCH AS A BLESSING IN DISGUISE"
Allow the fund issues to steer you towards smart and efficient use of your funds, keeping frugality at the heart of your operations. By making use of such an opportunity, you can have an edge over most funded companies because they are always seeking a more efficient route to a profitable goal. Frugality gives way to innovation and sustained growth. The ability to flow, adapt and persist through tough times is one of the greatest advantages that small and medium businesses have over large corporations and what better time to harness this advantage and re-route to cater to the new world than now.

Thus, always remember to embrace your hustle and chase your dreams to get past any struggle that you're facing.



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"There are two types of education: education for a living and education for life."

- Sri Mata Amritanandamayi Devi
Chancellor, Amrita Vishwa Vidyapeetham



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From the Editor's Desk

To all our readers, a warm welcome into the season of Mangoes and extended daylight!



DR. ANUJ PRATAP SINGH
ECONOMIST, CENTRAL BANK OF IRELAND

This edition of Edlines brings close observations and insights on Project Based Learning (PBL) in the *Principal's Desk* column. PBL is a pedagogical innovation that shifts the onus of learning from the teachers to students through a combination of multiple small tasks. Next, the *Voice of Educator* section sheds light on the role of Artificial Intelligence on learning and smart assessment.

AI has far-reaching outcomes on the education sector and its full potential is yet to be realised. This edition also features the usefulness of arts in education and the relevance of newly introduced NEP 2020 in turning the dial to integrate arts in education process, as observed by *Ms. Devyani Kapoor*.

This edition features *Ms. Anuradha Rai* in the *Educator of the Month* column and the Rendezvous with *Mrs. Deepali Gautam* discusses the relevance of digitalisation in the education sector to support the new ways of learning in the absence of direct classroom teaching. Last, but not the least, this edition features *Amrita Vishwa Vidyapeetham in our Big League Institutions*.



Educator of the month

YOUR FIRST DAY AS A PRINCIPAL:

Oh, you don't want to know! It was in the year 2010 when I took up this assignment of setting up a new school. There was excitement of course because I wanted to do so many things but there was also the sense of trepidation- hope I can do justice. What helped was the blessings and encouragement of my mentor Padmashri and Padma Bhushan Dr Shayama Chona who had immense faith in me. And the rest as they say is history.

THE BEST THING ABOUT BEING AN EDUCATOR:

For me being an educator is a blessing and a great responsibility. I enjoy interacting with children, their vibrant energy, passion, sense of wonderment and love for learning is something I connect with. I consider it one of the most value creating 'jobs' if one can call it that as what could be better than fostering the next generation? Also, the unconditional love that you receive from them is better than any rewards that one could hope for.

WHAT DO YOU CONSIDER YOUR GREATEST STRENGTH?

I would say my ability to have and concrete goals and that vision of my ability as ability to

YOUR FAVOURITE MEMORY OF YOUR STUDENT DAYS:

Well that was such a long time I think more than anything I remember the time spent in the playground, our English class, marching as a house captain and travelling back in the bus after a long hard day.

THE LIFETIME LESSON THAT YOU WOULD WANT YOUTH TO LEARN:

To always work hard with a standalone spirit and not shy away from challenges as they are opportunities to bring out the best in us, to stay undefeated, to see the best in everyone and always create value, no matter what situation you are in. And most of all always stay a learner.

EDUCATION TO YOU IS:

I am a firm believer in the Soka Education philosophy which is based on the belief that human beings, regardless of their circumstances, have an intrinsic capacity to generate value and meaning personally and interpersonally in their own lives and in the lives of others. Therefore, to me education is about bringing out the best in every individual so that they are agents of change and add value wherever they are- in their homes, work places, families, society.

ONE PIECE OF ADVICE FOR EDUCATORS:

As the late Rita Pierson said, 'Every child needs a champion; an adult who believes in them'. Please be that champion for your children. Listen to them, believe in them even when they themselves don't, build relationships with the students and see them blossom.



MS. ANURADHA RAI
PRINCIPAL - AMBIENCE PUBLIC SCHOOL, GURGAON

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FAVOURITE BOOK
Non Violent Communication: a language of life by Marshall B Rosenberg

THE QUOTE I LIVE BY
May you live in such a way that others will say
"She is a woman who, though ordinary, somehow stands out, and has a beautiful story to tell." -Daisaku Ikeda