

Ed-Lines Today

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Ed-Lines Today**

SEGMENTS

THE BIG LEAGUE INSTITUTIONS

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. *Page no- 3*

FOUNDER'S DESK

In a classroom of students still building their verbal and writing skills, every child portrays a different ability, something inbuilt which is a result of their environment, disposition, upbringing, and education. *Page no- 4*

VOICE OF THE EDUCATOR

In life, one gets to play varied roles and responsibilities. This role, the current one, has been the most satisfying. Some call it the role of a teacher and some reframe it as educators. Literature has ways of instilling the concept of Gurus, and based on my experiences, I have a different perspective on it. It is more of a learner than anything more. *Page no- 5*

PRINCIPAL'S DESK

DAV Public School, Uppal's Southend, Sector-49, Gurugram is a leading C.B.S.E. affiliated School of the region, functioning under the aegis of DAV College Managing Committee, a 135 years young organisation. *Page no- 6*

EDUCATOR OF THE MONTH

Frankly speaking, I have always been bogged down by the most basic thing in my role and capacity as a teacher of English, which is: to be able to teach and guide my students well, to improve my knowledge, skills and understanding of my subject *Page no-7*

EDITOR'S DESK

To all our readers, we wish you good health in keeping up with the extremities of this summer season!

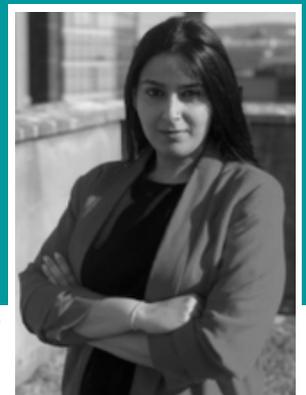
This edition of Edlines brings views on the transforming role of principals in the current scenario with respect to the VUCA world in the Principal's Desk column by Ms. Charu Maini Further, the column highlights the effectiveness of saying 'No' to children in order to set boundaries and provide healthy learning. Next, the Voice of Educator section by Ms. Soma Guru brings thoughts on the life of a teacher in pursuing a challenging yet satisfying profession of being an educator. This edition also features the growing career options and aspects of STEAM, as observed by Ms. Devyani Kapoor.

This edition features Dr Sanjay Kumar Misra in the Educator of the Month column who gives us very candid views on his journey as an educator. Last, but not the least, this edition features illustrious faculty in Data Science, Machine Learning, Biometrics technology from Amrita Vishwa Vidyapeetham in our Big League Institutions.

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DR. SUPRIYA KAPOOR

*Assistant Professor
Finance Technological University
Dublin, Ireland*



AMRITA VISHWA VIDYAPEETHAM COIMBATORE

THE BIG LEAGUE *institutions*



Dr. Prashant R. Nair

Vice-Chairman

IQAC & Associate Professor, Department of Computer Science & Engineering, Amrita Vishwa Vidyapeetham, Coimbatore

Biometrics technology has become a daily part of life now because of the massive advantage it provides to its users. It has now become a must-have rather than a good-to-have. Biometric technology provides you with the empowerment of creating a unique experience for clients or end-users. The goal is to identify the perpetrator in a security setting before he or she has the chance to carry out an attack. This course provides an overview of the fundamental concepts, characteristics, and processes of biometrics. As a result, the learner can apply physiological and behavioural modalities for real world problems towards identity management system and also design multi- biometric systems by analysing the performance of various traits/indicators or identifiers for verification and recognition.

Currently handling course on Industrial Engineering where industrial engineering techniques like work study in which improvement in work method and standardization of time for improving productivity were discussed. Plant Layout design involving the arrangement of equipment, material flow and work flow in a work space of an industry is dealt with. Workstation design, ergonomic design of workspace, equipment and tools are considered for reducing the health risk of workers, providing job satisfaction and also improving the quality and productivity of the manufacturing process.



Dr. P.K. GIRIDHARAN

*Professor
Department of Mechanical Engineering Amrita Vishwa Vidyapeetham University*



Dr. Gopalakrishnan E. A.

*Associate Professor
Centre for Computational Engineering & Networking
Amrita School of Engineering, Coimbatore
Amrita Vishwa Vidyapeetham*

Probabilistic reasoning is extremely essential to find solutions for problems pertinent to Data Science. In this subject, students learn about various tools and techniques related to probabilistic reasoning. Often the data available for analysis need not emerge from a deterministic system. The stochastic system of interest can be modelled as a Bayesian network and meaningful inferences can be obtained about the variables involved by observing the data. This introductory course on probabilistic reasoning helps the student to pursue further research in the upcoming area of "causal AI".

Machine Learning course provides foundational and working knowledge in the field. The students gain experience to handle various kinds of data and its prepping / transforming techniques. Foundational theoretical concepts are linked to working of the supervised and unsupervised learning techniques. Through the practical exercises, students learn to experience real world challenges and acquire expertise to effectively handle them.



Dr Peeta Basa Pati

*Professor
Department of CSE, Amrita School of Engineering, Bengaluru*



Dr. P Shankar

*Principal
Amrita School of Engineering,
Chennai Campus Amrita Vishwa Vidyapeetham*

Industry 4.0 demands smart systems integrated with intelligence to have a better human-machine interface. This programme on B.Tech in Automation and Robotics Engineering is designed to educate and train the students to meet the upcoming requirements of the new industrial revolution. This includes the design, development, and maintenance of smart robots & automation systems for various engineering, medical, defence and daily life applications. With the best-in-class faculty members and state-of-the-art laboratories, the mechanical engineering department, ASE Chennai is rightly placed to take the lead in this direction.



Ms. Devyani Kapoor
Mentor, Founder - Edudevs

FROM THE FOUNDER'S DESK

Escalating the Scope of Knowledge

In a classroom of students still building their verbal and writing skills, every child portrays a different ability, something inbuilt which is a result of their environment, disposition, upbringing, and education. As these children grow into the role of a student, they are exposed to a myriad of opportunities and skills, which they pick and choose from, trying to find a perfect fit. The process of growth continues further, inculcating skills of collaboration, sparking a will to excel, and inspiring ideas of success.

For those who discover themselves captivated with the charms of technology, analytical skills, argumentation, design and critical thinking, and the foundational urge to look for and construct solutions, the field of STEM provides the perfect platform of practical and theoretical knowledge to pursue some of the most sought-after careers in the 21st century. STEM – Science, Technology, Engineering, and Mathematics, broadly covers some of the most coveted subjects necessary for building on the knowledge of humankind through research and problem-solving.

Yet, the concept of STEAM has also begun gaining appreciation and traction. STEAM – Science, Technology, Engineering, Art, and Mathematics, is not necessarily an upgrade from STEM, but it is a more inclusive field for those who have the capability of fusing art into the dynamic skill of problem-solving. STEAM is, for example, a field for students who aspire to be engineers but also designers, coders but within designing, technology-driven but to create art. STEAM has emanated the rise of several new age careers including web designing, 3-D modelling, animations, product and graphic design, and even art conservation.

STEAM has proven to be a doorway to a whole new arena of opportunities for students to explore their interests and build on a fusion of the best brain-development adroitness. STEAM establishes competency in spatial awareness and hones prowess in observation of the world, reality, imagination, and the people and surroundings of the pursuer. This field is also like a breath of fresh air, it removes from the mind the idea of innovative inhibition, i.e., the mentality that innovation needs to follow certain boundaries and processes. But art is not confined to boundaries, and thus gives scope for new ideas and research. STEAM is more process focused, it drives innovation and cultivates sustainable thinking.

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TEACHER COMPETENCY SKETCHPAD



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Ms Soma Guru
PGT Sociology
Mater Dei School | New Delhi

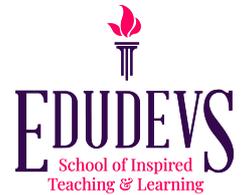
VOICE OF THE EDUCATOR

TEACHER, EDUCATOR AND LEARNER

In life, one gets to play varied roles and responsibilities. This role, the current one, has been the most satisfying. Some call it the role of a teacher and some reframe it as educators. Literature has ways of instilling the concept of Gurus, and based on my experiences, I have a different perspective on it. It is more of a learner than anything more.

The first day, the day I thought I would be the teacher, was the day I realised I am amidst a lot of sharp, observant, keen to follow and learn jewels, leaving less room to falter and flaw. I try to be on time, I try to be updated, I try to be a good listener, I try and keep calm. Basically, the realisation dawned on me that I could not expect till I performed. Their simple yet profound questions always leave me introspecting and I try to empower them to look for solutions with a little nudge here and a little there, and what comes out is – Eureka! and a content smile on my face.

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FROM THE PRINCIPAL'S DESK

SHARED VISION AND STRATEGIC PLANNING

The Changing Roles of school Principal

DAV Public School, Uppal's Southend, Sector-49, Gurugram is a leading C.B.S.E. affiliated School of the region, functioning under the aegis of DAV College Managing Committee, a 135 years young organisation. The Vedic values that our institution inculcates in our students broaden their minds and turn them into responsible citizens and resilient and virtuous human beings. In the light of NEP 2020 and after having braved the unprecedented Covid-19, the outlook and horizon of a principal's area of work has broadened. A principal has to see to the 360-degree growth of the school, with sincere efforts to maintain outstanding results, a sustainable financial status and an excellent level of satisfaction among all the stakeholders.



The future beckons to blended learning through offline and online modes. Let us move in that direction in real professionalism.

Ms. Charu Maini
Principal
D.A.V Public School
Sector-49 Gurugram

THE ESSENCE OF EDUCATION THROUGH CREATIVE BENTS:

The first and foremost task is to plan and implement synchronous and asynchronous teaching-learning methodology to have a better learner-teacher connect with clear goals given to the teachers such that every activity chosen is taken up with learning outcomes and the skill sets it would cater to. We need to remember to prepare our students for this VUCA world, a world that is so Volatile, Unpredictable, Complex and Ambiguous.

Contemplating on the current scenario, one can say that every adverse circumstance around us has a positive face, which one should focus upon. For maximum benefits, students have been exposed to various online inter/intra school activities and competitions like debates, declamations, comic strip designing, storytelling, character analysis from Shakespeare, movie making and virtual trips, etc. The students have been involved in work education activities clubbed with art and craft, singing, dancing, designing, aerobics, yoga, and other leisure activities and various motivational talks for their physical, social, and mental well-being.

ASSESSING THE MILESTONES:

"Understanding the criteria, as well as the ability to apply them, is critical to provide focused and relevant feedback and evaluation."

As per the need of the hour, a principal has to guide her team prepare the learner to a self learning metacognition and self regulatory mode. To give the child a platform to assess self performance, regular activities are being taken up through peer-assessment sheets, google forms, Padlet, Kahoot, Socrative app, Word Wall, Quizzes, Mentimeter, Interactive White Board, Google Earth Tool, PHET, Think-link and many more in a set timetable.

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EDUCATOR OF THE MONTH



Dr. Sanjay Kumar Misra

Associate Professor
Department of English | R.B.S. College, AGRA

Date of Birth - 21 November 1972

Place of birth - Gola Gokavannath, District - kakhimpur Khervi (Uttar Pradesh)

Favourite book- currently reading - Thomas Hardy's novel *The Mayor of Casterbridge*, especially, its subtitle *(The life and Death of a Man of Character)* and its moving and masterly exposition in the narrative.

The quote I live by - Bernard Shaw's "The reasonable man adapts himself to the world: the unreasonable one persists in trying to adapt the world to himself. Therefore, all progress depends on the unreasonable man."

01. As an educational leader, what has been one of the biggest challenges in your career so far?

Frankly speaking, I have always been bogged down by the most basic thing in my role and capacity as a teacher of English, which is: to be able to teach and guide my students well, to improve my knowledge, skills and understanding of my subject. If and when, despite all your qualifications and work experience, you are not able to make your students understand what you want them to understand, you fail as a teacher, as an educator. It does not matter that a large number are impressed by your scholarship; what matters is how many of your students have been able to follow your advice and make amends in their academics, career and life; and, even if only one student of yours practises one bit of what you have taught, you are successful as a teacher.

01. As an educator you have interacted with and inspired several students. Any event that left a mark on your memory?

It is difficult to say if I have been able to inspire any student of mine. There have been students who have showed interest in my ways of teaching and imparting knowledge and education to them. But I fail to recall any outstanding case. In my interactions, my stress has always been on making the learning fascinating and enjoyable. I strongly believe that in order to understand something, you must enjoy it and like it. If you don't enjoy it, you won't understand it. I immerse myself into the subject I am teaching, be it a poem, play, fiction or criticism. If I am not into it, I won't be able to navigate my students into the world of pleasure and understanding which a literary work offers.

01. If not an educator, what would you have been? Perhaps a journalist.

I have always been fascinated by the printed word; my initiation into the world of the English language, reading, ideas, etc., happened when I picked up the English dailies and magazines read regularly by my father. I began to like the printed word and became fond of reading newspapers and magazines of all sorts. I nurtured aspirations to become a journalist or an author, but that didn't happen. I became a teacher in a college, which has kept my passion of reading and intellectual pursuits alive though.

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FROM THE PRINCIPAL'S DESK

For your children to be raised happily at home, you need to be happy yourself, so that they have a great role model to look up to. Give maximum time to your children. Your children need your presence more than your presents.

Don't say yes to everything. Hearing the word "NO" is also very important in your child's life. According to child psychologists, saying "NO" to your child helps with setting boundaries and limits, and to develop a healthy, positive attitude, patience, values and a clear code of behaviour. This in turn aids in their development - emotionally, physically and mentally.

Read books together every day with your child. It not only helps with the development of their language but also helps you and your child spend some quality time together. Expect efforts from your child and not perfection. To emphasize this point I would like to recall an anecdote which I read in my childhood days:

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"Behind every young child who believes in oneself is a parent who believed first."

Ms. Sathya Bama Jayaraman
Principal
Radiant Public School



Ms Soma Guru
PGT Sociology
Mater Dei School | New Delhi

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