



**SRM**  
INSTITUTE OF SCIENCE & TECHNOLOGY  
(Deemed to be University u/s 3 of UGC Act, 1956)

# SPECTRUM

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**Ms.Nethra Kumanan was felicitated by SRMIST's Pro Chancellor (Administration)  
Mr. Ravi Pachamoothoo. Also in the picture are the Vice Chancellor  
Dr. C Muthamizhchelvan, and Registrar Dr. S. Ponnusamy**

Pg.3



# World Blood Donor Day

## STAFF WRITER

NSS and RRC Unit, SRM College of Pharmacy, SRM Institute of Science and Technology organised an awareness program on World Blood Donor Day, in zoom online platform. The World Blood Donor Day awareness program started exactly at 5.00 pm with the welcome address given by Professor Dr. V Chitra, Dean, SRM College of Pharmacy. The program was followed by an eminent speaker Dr. Jaison John, MD., Professor, and HOD, Department of Pathology, SRM Medical College Hospital and Research Centre, who has shared his insights of BLOOD DONATION which was followed by an active interaction between both the

speaker and the participants. Then the program was organized with the support and motivation by Pro-VC SRM Medical College, The Vice Chancellor Dr. C. Muthamizhchelvan, the Registrar Dr. S. Ponnusamy, SRMIST and inaugural address by Dr. T. Rajasekaran, NSS Program Coordinator, SRM Institute of Science and Technology, and Dr. N. Dhamodharan, Vice-Principal, SRM College of Pharmacy, SRMIST. Approximately 120 participants including students and faculties from SRM College of Pharmacy and other colleges participated in this program.

They also took active initiation on spreading awareness regarding the donation of blood. A short segment on the importance of blood donation awareness was

performed by B. Mothishwaran, Pharm.D (5th year) and Arun G.R Pharm.D (4th year). Various events and competitions conducted for students to create awareness about blood donation. The events are e-poster presentations on the topic CELEBRATING THE GIFT OF BLOOD, Tamil and English oration and, quiz competitions. Students from B.Pharm, Pharm.D, and M.Pharm courses actively participated in the competitions, and the top three students awarded with certificates and mementos for each event. At the end of the program vote of thanks was delivered by Dr. Jagadeesan M, Assistant Professor & NSS program officer, SRM College of Pharmacy, SRMIST. The programme ended around 6:30 pm.

## Virtual lec-dem on 'Yoga for Immunity' held at SRM on International Day of Yoga

### STAFF WRITER

Over 217 students and staff of SRM Institute of Science and Technology (SRMIST), participated in the virtual celebration of International Day of Yoga. Organised by the Department of Physical Education and Sports Sciences and Department of Yoga, the event kickstarted with a virtual demonstration session where participants were guided by a Yoga master. SRMIST's Director (Sports) Dr. K. Vaithianathan gave the welcome address. SRMIST's Registrar (i/c) Dr. S. Ponnusamy gave the presidential address. Baskaran Manikam, Yoga Instructor from Malaysia delivered a speech on 'Modern Times Yoga'. In his presentation, he elaborated on the evolution

of yoga, its downfall in modern times, how it has survived, putting it into practice and how to apply Yoga to the current situation, namely COVID.

"Application of Yoga principles will help improve the panchabhoodhas. The practice of asanas, meditation, and pranayama – all of which improves blood circulation (water), air circulation (air), heat circulation (fire), and life force circulation (akash) Earth (flesh and bones) which forms the structure of body attain full force to fight Coronavirus," he said. Prof. Dr. K. Chandrasekaran, Professor & Head, Department of Physical Education, Madurai Kamaraj University, Madurai addressed participants on the importance of 'Yoga is the need of the hour'. He elaborated how

practicing pranayama can boost immunity and aid breathing, especially during post COVID recovery. "The benefits of Yoga can be put to use in many ways. It can help calm the mind and help those practicing it live a healthy, stress-free life."

He highlighted how Yoga can be incorporated into sports development such as improving flexibility and endurance. "Continuous, rhythmically and coordination form of doing Yoga will help in sports development," he added. Dato Thangavel, Malaysian politician attended the event. Also present were several Directors and Deans of various other Universities. The vote of thanks was proposed by SRMIST's Associate Director (Sports), Dr. R. Mohana Krishnan.



## SRM students score big on placements

### STAFF WRITER

The Covid crisis notwithstanding, SRM Institute of Science and Technology has kept up its reputation for high scores in campus recruitments this year too, with leading IT and core engineering companies coming up with over 7111 offers to the graduating class of 2021.

The highest offer, Rs.35 lakhs per annum, came from Bengaluru-based WorkIndia Information Technology and Service, rated among the topmost blue-collar job portals in the country. More than 600 companies have already visited the campus (virtually) since the commencement of the placement season. Many more are expected as the 'season' continues till the end of June 2021.

The centralized placement process organised at the Kattankulathur campus brings students from the SRM campuses including Modinagar, Ramapuram and Vadapalani, said Director, Career Centre at SRMIST Mr. N. Venkata Sastry. "Top companies are drawn to the SRM due to the cosmopolitan composition of the students and quality of students" he added.

About 2000 Super Dream (Rs.10 L Pa+) and Dream (Rs.5 L Pa+) offers have been made so far. Students are also recruited by companies from the Core Engineering sector. "At the conclusion of 'Day One' processes, Cognizant-1018, TCS-983, Wipro-634, Infosys-602 offers were made," said Venkata Sastry. Various prominent recruiters visited the campus for hiring this year such as WorkIndia, MotorQ, Amazon, Arcesium, DE Shaw, Paypal, Direct i, Barclays, Amadeus, Nielsen, Commvault, Oracle, Adobe, Capgemini, Deloitte,

Bank of America, ZS Associates, Fractal Analytics, EY and many others. Even among the core sectors, companies such as HeroMotocorp, Reliance Industries, Akzonobel, HUL, IFB, Siemens, Titan, Ceat, Hitachi ABB, Fiat, Linde, Schneider, TATA Chemicals, L&T group, Cummins, KPIT, Adani Group, Nilkamal among many others supported our endeavour to provide core opportunities to our students. A clear leader on the educational map of India, the SRM Institute of Science and Technology is located in Kattankulathur, about 35 km from Chennai. The 250-acre campus is home to over 50,000 students from all over India and abroad. It has state-of-the-art laboratories for engineering and technology students, a full-fledged medical college, hospital and research centre beside a School of Public Health which is a nodal centre for implementing the National Family Health Survey in Tamil Nadu and Puducherry. Semester Abroad programme at SRM enables students to do internships at Harvard and other top-notch foreign universities. SRMIST is accredited with the highest grade of A++ by NAAC and graded as Category I university with 12 B status. All Engineering, Pharmacy, Architecture, and MBA programmes are approved by AICTE. SRMIST has secured the third rank in the Atal Ranking of Institutions on Innovation Achievements (ARIIA). SRMIST is ranked globally by QS 983, Wipro-634, Infosys-602 offers were made," said Venkata Sastry. Various prominent recruiters visited the campus for hiring this year such as WorkIndia, MotorQ, Amazon, Arcesium, DE Shaw, Paypal, Direct i, Barclays, Amadeus, Nielsen, Commvault, Oracle, Adobe, Capgemini, Deloitte,





## SRM student becomes first Indian woman to qualify for Olympics

### STAFF WRITER

SRM Institute of Science and Technology's (SRMIST) student Nethra Kumanan has become the first Indian woman to qualify for the upcoming Olympics. She will be representing India in sailing and confirmed her berth in the Tokyo Olympics recently.

She qualified for the Tokyo

Olympics by coming first at the Laser Radial event in the Mussanah Open Championship, a joint Asian and African Olympic qualifying event.

A second-year engineering student of SRMIST, she has represented the country at the 2014 and 2018 Asian Games in Incheon and Jakarta, respectively.

She became the first Indian woman to win a World Cup medal

in sailing when she clinched a bronze medal at 2020 Sailing World Cup in Miami, USA. She will now become the first Indian woman sailor to represent the country at the Olympics. This 23-year-old professional sailor is a resident of Chennai and has made her Institution proud. She trains in the Canary Islands, Spain.

Nethra Kumanan was

felicitated by SRMIST's Pro Chancellor (Administration) Mr. Ravi Pachamoothoo, Vice Chancellor (Interim) Dr. C Muthamizhchelvan, Registrar (Interim) Dr. S. Ponnusamy and Director (Sports) Dr. K. Vaithianathan for qualifying for the upcoming Olympics and making her Institution proud.

On her part, Nethra thanked her faculty and Institution for

being her constant support. She said, "I am studying under the sports quota in SRM and the Institution has been very supportive of my sport. I train in Spain and every time I skip classes my professors have been kind enough to help me once I get back."

This young champ will soon be traveling back to Canary Island to continue her training.

## SRM shuttler wins gold at Lithuanian International Badminton tournament

### STAFF WRITER

India's No. 2 Malvika Bansod badminton champion and an I year B.Tech student of SRM Institute of Science and Technology, has won the gold in the RSL Lithuanian International Badminton tournament in Kaunas, Lithuania.

The four-day Future Series tournament was organized by the Lithuanian Badminton Federation and Third seed Malvika Bansod outclassed Ireland's Rachael Darragh 21-14, 21-11 in the final. A fastest-rising Indian shuttler, this 19-year-old dominated fourth seed Darragh in a 29-minute encounter.

Speaking after her victory stroke, Malvika said, "I am delighted to win this tournament.

I played with good consistency and could execute my game as per the plan. This is my second gold medal after the Uganda

International Series. I want to thank my mentor, my guide, and my coach Sanjay Mishra sir for training me in such a

challenging COVID situation. I thank my practice partner, each and everyone at the Police Parade Academy, Raipur for all their efforts. It is God's grace that I could participate in this tournament and perform well. Many thanks to my sponsors VIL Mr. Arun Lakhani of Go Sports Foundation and TOPS. Many thanks to MBA, NDBA, District sports office for their constant support. I would like to extend my heartfelt thanks

to my Institution SRMIST for their cooperation."

It may be recalled that earlier this year in March, Malvika won the Uganda International title. She has also made it to the quarter-finals of the Austrian Open a couple of weeks ago. We at SRMIST are proud to have Malvika Bansod as our student. The Chancellor and Pro Chancellors wish her all the best in her journey forward.





# SRM-AP achieves twin Placement of ₹ 50L with strategic partner of Google Japan!

## STAFF WRITER

The maiden graduating students of SRM University-AP unleashing the power and setting records - Incredible Placements, soar higher to International Universities, and Entrepreneurial Ventures and Start-Ups.

SRM AP is ever the first private university in India to achieve twin placement of ₹ 50 lakhs with PVP Inc., a strategic partner of Google Japan, SRM University- AP equips and provides world-class opportunities to its graduates to pursue their career across India and abroad.

“Every moment at SRM-AP was so defining. Academics and research, 24×7 student-run Next Tech Lab, Semester Abroad and Entrepreneurship at UC Berkeley, USA and winning Hackathon in Bay area competing with MIT, Stanford and Carnegie Mellon gave us the wide exposure of the real world, which would not have been possible without the continuous support of our faculty and university management. Now, it is time that we start our life in Japan, and we are very much looking forward to the new chapter” says Rajarshi and Saptarshi, students from B.Tech-CSE. The maiden batch creates a record of 100% placement with most students getting multiple offers. 71% of students got Marquee, Super Dream, and Dream offers of ₹20+, ₹10+ and ₹ 5+ lakhs respectively; and 600+ companies visited the university for recruitment. Top recruiters include Amazon, PayPal, Barclay, American Express, Bank America, Walmart, AB InBev, TCS, Cognizant, Infosys, L&T, AIS, JSW and Adani. The entrepreneurial ecosystem of the university with 200+ mentors and venture capitalists, seed-funded incubators and accelerators, UC Berkeley Collaboration for Innovation, Design and Entrepreneurship, helped the university mark the record of being the first-ever private university in India where the maiden graduating student start-up, OurEye, gained angel funding of \$120,000 Dr P Sathyanarayanan, President of



## STAFF WRITER

Twins Saptarshi and Rajarshi Majumdar, students of SRM University – AP, Andhra Pradesh, received a pay pack of ₹ 50 lakh per annum each with PVP Inc, a strategic partner of Google Japan. They were selected during the campus placement. This is perhaps the highest pay package for students graduating from Andhra Pradesh so far. Also, for the first time in the state twin brothers got placement in the same company with an equal pay package.

Saptarshi and Rajarshi are from the first batch of engineering students of SRM University – AP campus. The average annual package of the first batch was ₹ 7 lakh. The university on Saturday the

26th of June, 2021 felicitated the twins. SRM University – AP was one of the educational institutions of higher learning of set up in Amaravati, which was planned as an education hub for Telugu students.

SRMAP Vice Chancellor, Prof VS Rao praised the students who excelled in the placement drive and gave them a cash prize of Rs. 2 lakh each.

Saptarshi and Rajarshi thanked their parents and the university faculty for their success. “We never imagined we could achieve such big placements. We schooled together and grew together with similar thoughts. We worked with a motive of getting a job in the same sector and we have achieved it,” Saphthagiri said.

“Thanks to SRMAP for the incubation center and the



placement cell for guiding and motivating us,” Saphthagiri said.

We are working with a vision to offer quality engineers, entrepreneurs, and professionals to the country. In our maiden placement drive, our graduates have made the university a favourable destination for top

industrial recruiters. The maiden batch has created a record of 100% placements with most students getting multiple offers. Around 71% of students have got super dream and dream offers. Over 600 companies visited the university for the placement drive,” Prof Rao said.

the university, expressed, “It is indeed a very proud moment for us, seeing so many achievers in the maiden batch. This reaffirms our commitment in creating icons, not just graduates, making the university to become the first choice for engineers and entrepreneurs to pursue their passion and realise their dreams”. And, a good number of graduated students are admitted to global top universities for higher studies with half of them awarded impressive scholarships up to \$ 52,000. This

includes, amongst others, the University of California Berkeley, University of Wisconsin, Madison, Illinois Institute of Technology, New York University, and King’s College London. “SRM University-AP is founded with the vision to offer quality engineers, entrepreneurs and professionals to the country.

In the Maiden Placement Drive itself, our graduates have shown predominance making the university a favourable destination for top industrial

recruiters,” said Prof V S Rao, Vice-Chancellor, SRM University-AP. Pro Vice-Chancellor, Prof D Narayana Rao said, “SRM University – AP is established as a world class multi stream University to provide quality education such that the students excel in their chosen career paths : Placements in the prestigious companies in India and abroad; higher education in highly reputed global universities; and to become entrepreneurs. We are proud that our first batch

itself achieved the set goals and vision of the University”. Mr Vivekanandan, Assistant Director, Corporate Relations and Career Services, said that the department always looks for the best opportunities for the students, India and abroad.

The excellent performance of students, be it academics, research, internships, projects, and extra-curricular endeavours naturally drew the attention of best recruiters to SRM University-AP.



# Preserve mother nature as inherited from ancestors... Foundar Chancellor

## STAFF WRITER

SRM Institute of Science and Technology (SRMIST) observed World Environmental Day with an aim to reduce Carbon Footprint and mobilize students and faculties to prevent, halt and reverse the degradation of ecosystems. About 900 students, faculties, staff members and others participated in the event that was held virtually. SRMIST's Associate Director (Campus Life) and UBA Nodal Officer Dr. V. Thirumurugan welcomed the participants.

Speaking at the event, the Founder Chancellor of SRM Group of Institutions and Member of Parliament Dr. T. R. Paarivendhar said, "We must preserve our mother nature as a place to live as we inherited from our ancestors and pass on to our next generation and the environmental Day is an everyday activity for the global citizens and not pertaining to one institution."

Dr. Rajendra Shende, Chairman of TERRE (Technology, Education, Research and Rehabilitation for the Environment) Policy Centre and former director of UNEP, the chief guest for the event talked on 'Global Ecological Challenges – to make the youth Climate and Sustainable Development Goals (SDG) ready'.

SRMIST recently signed an Memorandum of Understanding (MoU) with the Smart Campus Cloud Network (SCCN) of TERRE Policy Centre, a not-for-profit organization dedicated to United Nations Sustainable Development Goals (SDGs) aiming to reduce carbon footprints and establishing SRMIST as a green and smart Institute. The Founder Chancellor of SRM Group of Institutes stressed the SRM Family members to follow the Ten Commandments agreed in the MoU between SRMIST and SCCN and committed to cooperate with TERRE in all avenues to make the campus a SMART CITY.

"SRMIST is like a small city and our aim is to transform it to a smart city," said SRMIST's (Interim) Vice Chancellor Dr. C. Muthamizhchelvan. "By collaborating with TERRE we would fulfil our ambition of making all our students and faculty future-ready and SDG-Ready"

"Through SCCN we aim to mainstream United Nations Global Goals (SDGs) by adopting education and research on SDG where young minds are motivated for spearheading to active participation to lay out the road map for SRMIST SMART CITY for better health and education", said Dr. Rajendra Shende.

SRMIST has also signed the Carbon Neutrality Pledge, "Not Zero- Net Zero Pledge" designed and monitored by SCCN of TERRE Policy Center. SRMIST will be the South-India's Regional Hub of Smart Campus Cloud Network (SCCN). TERRE Policy Centre through Smart Campus Cloud Network (SCCN) will provide the overall guidance and mentoring to SRMIST on United Nations SDGs and Climate Change issues. The success-stories will be showcased on network platform including discussions in the web site [sccnhub.com](http://sccnhub.com).

SRMIST is an active member of Higher Educational Institutes Network called Smart Campus Cloud Network (SCCN), launched by TERRE Policy Centre in 2017. The network is supported by UNESCO-Paris and India's Ministry of Education through All India Council of Higher Technical Education (AICTE) and University Grant Commission (UGC). This digital network of nearly 350+ universities and colleges (7 from abroad) promotes the practical activities in the campus that contribute towards United Nations SDGs. Thus SCCN makes campus as laboratory for SDGs and promotes 'learning by doing' within the campus.

The network of universities encourages the students and the faculties to share their experiences on practical projects related to SDGs in the campus. The projects deploy the digital technologies like IoT (Internet of Thing), AI (Artificial Intelligence), Cloud-networking, Machine-to-machine learning and Block Chain.

The projects like Energy efficiency, harnessing of renewable energy, waste to energy, zero-waste, green buildings, smart-grid, healthy sanitation, e-waste management, air pollution, zero-emission transport, conservation of biodiversity ban on single use plastic, water conservation and water use efficiency, Carbon



Neutrality, Sustainable Farming, Digital agriculture among others are undertaken in the campus. Ideation and research on SDGs are also encouraged in the campus. Importantly the results of the practical work in the campus is shared across the universities in the world through digital cloud dashboard that TERRE has developed.

Dr. S. Ponnusamy, SRMIST's (Interim) Registrar felicitated the program highlighting the dedication and commitment of SRMIST to preserve the environment quoting that more than 100 crores rupees have been invested during the past decade on green initiatives and renewable energy programs at SRMIST such as STP plants for recycling of waste water, Rain Water Harvesting Systems, Biogas plants, Solar panels, Solar water heaters, Solar cooking system, Specialized Solid waste recycling units such as Bio medical waste, E- Waste and paper waste.

Dr. Kantha Devi Arunachalam, Dean Center for Environmental Research, Directorate of Research, SRMIST thanked the Founder Chancellor, SRMIST for his

Presidential address in motivating the SRMIST stakeholders assuring that he is with them during this pandemic time. She appreciated Dr. Rajendra Shende – Chairman, SCCN for his dedicated guidance and the support during 2019 to organize the Core Group meeting on May 17th and a Round Table Discussion on SDGs in association with SCCN, UGC and AICTE inviting VCs and Directors from all Higher Education Institutes on May 18th in 2019.

The SRMIST Environment Day committee thanked the resource persons and experts like Dr. Gayathri – HoD, Anaesthesia, Dean and Pro VC Workshop for 3 days Pranayama workshop from May 30, 31 and June 1st. Ms. Kanimozhi and Dean – College of Agriculture for the presentation on Urban Farm Center, Narture Pharmacy and the Medicinal Cafeteria at SRMIST on June 2nd and interacting with the participant on the creation and maintenance of herbal garden. Dr. Abimanyu, and Dr. Chitra Pandian, Dean, School of Pharmacy for the demonstration on the Preparation of formulations of herbal sanitizers and hand

washing liquid and motivating the participants to prepare their own herbal sanitizers on June 3rd, 2021

Dr. C. Sheela Sasikumar, Director & Head-Clinical Research, Hi-care Super Specialty Hospital, Chennai was acknowledged for her enlightened talk on "Food Antioxidants for Prevention and Management of COVID" and mad the participants to understood the role and the mechanism of each bioactive components and its synergistic effect in managing and preventing the virus on June 4th. Over 100 enthusiastic participants attended all the workshops. The World Environmental Day (WED 2021) activities from May 30 - June 5th 2021 were organized and mentored by Mr. Sujith, Department of Medical Microbiology, SRM MCHRC and coordinated by Dr. Suriyaprakash - CENR. The Students, Faculties and Staff members from various disciplines of Faculty of Engineering and Technology, Medical and Health Sciences, Science and Humanities played a key role in scheduling the one week activities of WED 2021.



## Activities at SRM University Delhi – NCR, SONEPAT

### Innovation in Sustainability Initiatives in Cement Industry with particular reference to India

Webinar on “Innovation in Sustainability Initiatives in Cement Industry with particular reference to India” on occasion of World Environment Day celebrated on June 5th, 2021

SRM University, Delhi – NCR, Sonapat Haryana jointly with Indian Concrete Institute (ICI), Gurugram Chapter and in association with UltraTech Cement Ltd. organised a webinar on “Innovation in Sustainability Initiatives in Cement Industry with particular reference to India” to celebrate “World Environment Day 2021” – 5th June, 2021.

The dignitaries attending the webinar were Prof. (Dr.) Paramjit S. Jaswal, Hon’ble Vice Chancellor, SRM University, Delhi – NCR, Sonapat, Haryana, Dr. S. B. Hegde, Domain Expert in Cement by various International Bodies, Mr. Supradip Das, Vice – President (ICI) North, Mr. Rajeeb Kumar, Chairman ICI Gurugram, Prof. (Dr.) Manish Bhalla, Registrar, SRM University, Delhi – NCR, Sonapat, Haryana Prof. (Dr.) V. Samuel Raj Director (C4D) & Dean (Academic Affairs), SRM University, Delhi – NCR, Sonapat, Haryana and Mr. Manoj M. Kutty Director (Administration), SRM University, Delhi – NCR, Sonapat, Haryana and Prof. Vineet Bajaj, Head, Department of Civil Engineering, SRM University, Delhi – NCR, Sonapat, Haryana. Around 200 participants attended this webinar.

### Webinar on Stock Markets

A webinar on stock market was conducted on 31 May 2021 by the Faculty of Finance and Commerce, SRM University, Delhi NCR, Sonipat, Haryana. Sri Harsha who is a certified stock market analyst, active speaker in share market, article writer and also holds expertise in macro-economics spoke about fundamentals of share was the keynote speaker. The

webinar focused on the workings of the stock exchanges, how stocks are segregated by various stock exchanges, what market capitalization actually means and how it plays a vital role in analyzing a stock, what are the top stocks and how one can basically choose the stocks to be invested in.

### Live webinar on Introduction to securities market

A webinar on Introduction to Securities Markets was conducted on 25 June 2021 by Faculty of Finance and Commerce, SRM University, Delhi NCR, Sonipat, Haryana. Eminent Speakers like Ms. Himani Lath (Manager, NSDL, Delhi), Ms. Veena Kumari (Assistant General Manager, SEBI, Delhi), Mr. Pawan Bhardwaj (Manager, NSE, Delhi) enlighten the participants on stock markets workings, how stock market is organized and how it functions, difference between investment and trading, precautions to be kept in mind while investing in stock market, how stocks are analyzed technically and fundamentally, how to be a smart investor, how statistics plays a vital role in analyzing stocks.

### An Informative “Post-Covid Scope in the Hospitality Industry”

A webinar on “Post-Covid Scope in the Hospitality Industry” was conducted on June 04, 2021

By the Hotel Management Institute. The Director SRM-IHMs Group (Dr D. Antony Ashok Kumar) Dean Academic Affairs (Dr V Samuel Raj) joined the session and highlighted the skills required for the student during this pandemic. The esteemed speakers Ms Rosanna from Phillipines and Mr. Rachid Bakas from UAE discussed that how hospitality industry will change and what challenges in career opportunities lay ahead. The session was very successful as it allayed fears regarding career choice for students in the post Covid-19

era. The speakers also talked about their experience and gave some insights to the students, discussing the challenges faced by them and their success stories.

### Webinar on “Techniques to write a Good Research for Publication”

Institute of Hotel management organized an exclusive webinar on Techniques/Skills to write a Good Research for Publication. The faculties from various institutes joined this webinar. The expert speaker Prof. Filmor J. Murillo explained the importance of research in the educational field. The webinar helped to enhance the opportunities for scholars and faculties that would enable to improve their critical analyzing skills. Prof Filmor also suggested that one must consider the extent of readership of the journal, and the time duration required to publish the article in the journal. He mainly focused on how to write a research paper and tips for getting accepted in reputed journals.

### Webinar on “Opportunities in the Hospitality Sector in the Covid-19 era”

An exclusive webinar was organized by the Institute of Hotel Management on “Opportunities in the Hospitality Sector in the Covid-19 era” on June 21, 2021. The guest speakers for this webinar was Mr. Abdulla Al Farsi (Director of Rooms, Oman) and Mr. Najee N. Syriani (Corporate Vice- President- PJSC, Abu Dhabi, UAE). In this webinar the speakers discussed about opportunities in post Covid-19 world. They shared valuable insight on securing job and internships in the hospitality sector in the post-Covid-19 world.

### Demystifying Analytics

Faculty of Management, SRM University, Delhi-NCR,

Sonepat, in collaboration with IBM conducted a webinar on “Demystifying Analytic” on June 21, 2021. This webinar gave an overview about analytics and how essential it can be in upcoming times. The webinar was directed towards management, commerce and technical background students to provide hands-on-experience with managing analytics. The session was carried out by two speakers and moderated by Ms. Shefali Dutta working as Program coordinator with IBM itself. First session was channelized by Mr. Raman Puneet Singh, Security and Data Analyst at IBM who provided various insights on decoding the data and then clearing it for further usage. The other session was carried out by Mr. Gagan Aggarwal, Heads Operation and Delivery at IBM, who enlarged the knowledge base of the audience in the context of tactics of managing analytics.

### Entrepreneurship Start-up: Show me the Money!

Faculty of Management, SRMUH organized an exclusive webinar for management and commerce students that provided them with real-world decision-making modules through the experiences of the speaker in the context of entrepreneurship. The session was divided into two meta-sessions, namely, delivery and discussion sessions conducted by Mr. Shikhar Singal, Chartered Accountant and a Q&A session. Overall, the session gave valuable insights to the students in understanding the work ladder in which an entrepreneur is intended to put efforts into so that the goals are attained. The schemes provided by the government and institutions were well explained by the speaker and it instilled much confidence in our young managers.

### “Industries In India: Current Status”

A webinar was organized on the topic “Industries in India: Current Status” June 12th, 2021. The speakers were Dr. Bhuvnesh Sharma, Assistant Professor, Department of Mechanical Engineering, SRM University and

Mr. Rajeev Khurana, Ex-Senior Advisor (Training Academy), Maruti Suzuki India Limited.

### A webinar on “What we must know about COVID-19” and its complications”

A webinar on “What we must know about COVID-19” and its complications” was hosted by the Department of Biomedical Engineering, Biotechnology, and Microbiology on June 12th, 2021. The Guest speaker for the webinar was Prof. Sarman Singh. Dr. Sarman Singh, presently the Chief Executive Officer of All India Institute of Medical Sciences, Bhopal, had worked at the All India Institute of Medical Sciences, New Delhi for 30 years in various faculty positions. He has 7 patents and one technology has been commercialized, and taken-up by the Government of India in its kala-azar elimination programme. Dr. Sarman Singh said that vaccine and social vaccine that is mask are very necessary for preventing COVID-19. These are only tools to curb the disease and save your family and others.

### A webinar on “The protective capacity of constitutively expressed MHC class II on type II pneumocytes”;

A webinar on “The protective capacity of constitutively expressed MHC class II on type II pneumocytes” was hosted by the Department of Biomedical Engineering, Biotechnology, and Microbiology on June 19th, 2021. The Guest Speaker was Prof. Laurence Eisenlohr, Perelman School of Medicine at the University of Pennsylvania, USA. Prof. Laurence talked about type II alveolar cells (AT2s) and how critical are these for basic respiratory homeostasis and tissue repair after lung injury.



# The Greatest Poets: What Makes Them So Great?

AARYAN G SHARMA

Poetry is language at its most distilled and most impactful. It's fun to make and delightful to read. Poets are blooming all over the world but very few of them make it to fame. And when they do, they often rise to be some of the most influential writers. Moreover, there's been an abundance of extremely powerful poets that shaped the literature of their time—all the while making history for their works. But what makes these poets stand out from the rest of them: how they write or what they write?



Sketch of the Roman poet Ovid

**Shakespeare is still relevant because his works show us how to be human, and throw light on timeless themes of humanity.**

Works of poets like Homer and Chaucer have significant historical importance. Homer's *Odyssey* and *Iliad* were the only real evidence of the Trojan War for many years. The ruins of the city of Troy were only recently discovered. Up until then, people assumed that the city and the Trojan War were creations of Homer's mind. Chaucer's *Canterbury Tales* still gives historians a chance to see what life was like for a slew of different people in the Middle Ages.

Ovid happens to be one of the first relationship writers. The Roman poet was known

for advising on how to deal with pain and loss, as well as write exceptionally romantic poetry. Shakespeare is still relevant because his works show us how to be human, and throw light on timeless themes of humanity.

These poets can take readers places and into worlds they've never imagined. They are often tortured souls or great thinkers who allow readers a new view of the world which they never would have imagined. These great poets provide a brand of emotional connection to the written word that only a few can.

## The "His and Her" of Medical Diagnosis

DIKSHA AVIRAL

The roots of patriarchy stretch deeper into the psyche of humanity than any of us realize. Scientists are only now beginning to understand the extent to which misogyny might be harming women, and medical diagnosis is also complicit in this transgression.

Historically, diseases affecting women and the harm they cause have been either undermined or thoroughly misunderstood. For instance, up until the mid-

twentieth century, women with a wide array of ailments were declared to have an umbrella diagnosis of hysteria. Hysteria was believed to be caused by an excess of emotions. Thus, even women sick with severe conditions threatening their lives were prescribed nothing more than the treatment of a "lifestyle change". This prejudice is prevalent, consciously or unconsciously, to this day.

Up until recently, men were often used as the standard for medical research. This resulted

from the pervasive notion that the female body was similar to the male body in all respects except for the added reproductive parts. Even after this was debunked, women were mostly excluded from medical studies because it was generally agreed that the variations in the female body due to "hormonal cycles" might complicate the results. This led to widespread ignorance of what certain diseases look like in women.

This ignorance, paired with the deep-rooted prejudices against women, often leads medical professionals to wrongly assume that women are exaggerating or being "too emotional" while describing their symptoms, resulting in an under or misdiagnosis of severe conditions.

Fortunately, there is an increasing awareness of the differences between the male and the female body. Nevertheless, we need to stay vigilant and educate ourselves about these differences and what they would entail. It might just save a life.



Women are often underdiagnosed mainly due to the stereotype that women have a lower tolerance of pain and discomfort.



Rainforest in Assam

## Old practices are being Re-Embraced as humans go back towards nature

TYRA MINNAL VINAY

In light of the current state of our planet, humans have begun to realise their folly. Although their realisation has been excruciatingly slow, it's better late than never. The current pandemic has caused us to take a good hard look at our lifestyles and has made us see how harmful it has been to the environment.

As we did about a century ago and rapidly advanced towards the future (at the cost of our environment), we are now actively going back to our roots. We have begun to re-embrace practices that have existed for centuries, for example, sustainable and environmentally friendly architecture. People are now going back and looking for settlements that are not entirely devoid of nature. They are taking steps to make use of more architectural techniques to naturally cool their houses and conserve water instead

of simply wasting electricity and water. They have begun to reuse more sustainable building material such as bamboo for construction. People are opting not to paint their houses as paint includes loads of planet harmful substances—including toxic metals, planet-damaging solvents, carcinogenic additives, Volatile Organic Compounds (VOCs) which are harmful to our health and also contribute to global warming. People are also actively looking for organic products that are grown without the use of harmful chemicals or growing them themselves. People have begun to wear materials such as cotton, wool, and khadi. Clothing containing synthetic materials such as polyester and nylon leads to microplastic pollution. Often this pollution is released into the environment through loads of laundry. It is important to remember that even the smallest of steps help and small conscious changes are going to better the environment!

## Reporting for Spectrum

- Contributing reports should be confined to a maximum of 250 words and must be written by students only.
- Accompanying pictures must have captions. Pictures without caption will not be published
- Request for coverage in Spectrum by its editorial team must be made well in advance with an accompanying note and the invitation to sridhark@srmist.edu.in
- Coverage of a certain event or receipt of an article does not guarantee publication.

—Editor



# SRM alumnus develops an app for networking

## STAFF WRITER

SRM Institute of Science and Technology (SRMIST) has been providing a base for several of its students in starting unicorns or becoming entrepreneurs. Our students, both present and past, have been contributing towards the betterment of our society in an efficient, tech-savvy, and user-friendly way.

We at SRMIST are now proud to announce that our alumni, Ragul Ramachandran Uthama Singh (2017 graduate) from Electronics and Instrumentation Department, SRMIST, has made and launched a start-up application called 'Livathon'. This app has been receiving a lot of appreciation from many celebrities and reputed personnel.

This Chennai-based lad began working on his application after completing his Masters in Business Management from Brunel University, London. His app Livathon offers an interest/hobby-based networking of users in the location of their choice. It also offers a digital diary-like blogging platform that serves as a digital profile/background of the user. Like social media users can blog, share photographs, and message users within the platform.

"This application will be ideal for aspiring artists, sportsmen, charity organizations, especially

for people who have a passion for a particular subject such as music, writing, sports, arts, technology, etc. Such people can find and interact with like-minded people in the same locality to network," explains Ragul.

Users can blog, share photographs about their passion/interest, and network with like-minded people to form a dance crew, a sports team, a running/cycling club, or just share ideas based on their interest.

Ragul was inspired to create such an app during his master's program. "I was told to come up with an idea for a start-up for my entrepreneurship management module. That is when I developed an idea for an app called a digital diary - a platform to record the thoughts of a user and share them with their family. This inspired me to develop Livathon diaries."

The ideation, patent, user interface, market research, and marketing are entirely handled by Ragul while the technical side of the application is handled by an app development company called Trident Solutions, Chennai.

Ragul's app has crossed over 2500 active users on the application so far within five months of its release on Playstore and App store. His app can be download at - <https://t.co/Phs7ocsp57?amp=1>



*A still frame from Nomadland, 2021 Academy Awards' best picture winner.*

## A Dominant Year for Women in Cinema

### SHASHANK KUMAR

Chloe Zhao became the first Asian woman and the second woman in the entire 100-year-old history of the prestigious Academy Awards to win the highly coveted best director award. The fact that her movie, Nomadland won the best picture award and the lead actor, Frances McDormand won her third Oscar is remarkable! Nomadland, a movie about the struggles of modern-day nomads gathered great praise at the film festivals and also swept all the major film awards.

Even the Bollywood film industry saw an increase in movies not only made about women but also made by women. Be it Bulbul, a story about a young girl who was married and shipped off to a Lord or Thappad, a woman's mirage of a happy married life disappearing with domestic abuse. These are two of the many movies that got a lot of attention and recognition from not only the cinephiles but also the mainstream audiences. It is not merely of recent times that women have played a significant role in movie production. So why did this not

happen last year and the years before? Well, it is of strong belief that the lockdown has played a crucial role in this. With the major audiences staying home they have gotten the opportunity to use OTT platforms to view a variety of films over the experience of spending time and money to watch a single popular movie. The pandemic has layered a level ground for a lot of different films with varying budgets, star power to compete for the audience's attention, admiration and receive the recognition they deserve for their talent and art.

## Should Tattoos be Considered "Unprofessional"?

### AASTHA AGGARWAL

"I am a canvas of my experiences, my story is etched in lines and shading, and you can read it on my arms, my legs, my shoulders and my stomach," Kat Von D, an American tattoo artist. The newest generation of professionals face a challenge entering the workplace with visible tattoos, body art, and piercings. While tattoos or piercings may seem unprofessional, the ink and body jewelry do not do the person's work. They do it themselves.

Tattoos and body piercings have become more popular over the past few decades. They have become the modern form of self-expression and do not dictate an employee's professionalism and intelligence. They are just a way of expressing one's emotions and feelings. Whether good or bad, as long as they are not inappropriate, there should not be an issue regarding those.

If someone hides their tattoos in the workplace, it may be to avoid distraction. Still, neither of those reasons account for them to be deemed unprofessional. Scars are as permanent as tattoos, but no one ever asks to cover them.

Then why tattoos? Which would be more unprofessional—someone expressing themselves through body art or an employer judging someone based solely on their appearance? On the positive side, employees with tattoos and piercings can help

others embrace a creative, artistic environment. Nowadays, people have started to accept tattoos and piercings. They are not looking at people's appearance anymore, but as a person instead. It is about what's inside that matters the most. Qualifications and experience should speak for themselves. That is why companies should look past appearances and look at the work done. Working with people with tattoos is no different from working with someone without.



*Tattoos do not define professionalism, people do.*







*Celebrating love for what it is, beyond boundaries*

## Not Your Standard Rainbow

PRIYANKA SRINIVAS

Displayed from tall ceilings, short windows, empty roads and crowded shops, the pride flag is the most common way of expression for the LGBTQIA+ community. Since this community does not fit the traditional norm, representation makes a world of difference. It is commonly agreed that a flag symbolizes pride better than most forms of expression. Hence, what started as a flag for gay people is now a symbol of pride for the entire community. The first pride flag was designed by an openly gay artist from the United States named Gilbert Barker. It was intended to be displayed as a symbol of pride for the gay community at the San Francisco Gay Freedom Day parade in 1978. However, it has evolved quite a bit over the years.

The original flag had eight colours: hot pink (sex), red (life), orange (healing), yellow (sun), green (nature), turquoise

(art), indigo (harmony) and violet (spirit). Due to mass-production issues, however, pink and turquoise were dropped, and indigo was replaced with blue. This new 6-striped rainbow is the pride flag as we know it today.

The sub-communities in the LGBTQIA+ community have flags of their own. For example, the bisexual flag consists of three colours: pink, purple and blue. Similarly, the lesbian flag consists of seven colours from a pinkish-orange palette that represent non-conformity, love and community.

Not restricted to flags, the six rainbow colours can be used anywhere in the form of emojis, art renditions, food etc. Such usage is the most common way for LGBTQIA+ people to recognize each other in different social spaces. Due to their history and widespread recognition, the pride colours are vital for the LGBTQIA+ community to be heard and be equal.

## SRM student becomes India's 68th Grandmaster

STAFF WRITER

SRM Institute of Science and Technology (SRMIST) is proud to announce that its student Arjun Kalyan has become India's 68th Grandmaster recently. This 18-year-old is pursuing his first year in B.Com at SRMIST. He has crossed the 2500 ELO mark after scoring a win at the ongoing GM Round Robin "Rujna Zora-3" in Serbia. Arjun had come close to becoming a Grandmaster in the previous tournament last week but has missed it by a whisker. Arjun Kalyan is an IM with two GM norms and has an ELO of 2500. He scored his first GM norm



at the Biel Masters 2018 and followed it up with his second GM norm at the Roquetas De Mar. We are proud to have him as our student here at SRMIST and wish him many more laurels in the future.

## The Impossible Persian Pillow

NATALIA RISHMA A

For Alexander the Great, the world of the Iliad was a world of gallantry. He was enthralled by the effects the simplicity of the poem could have. He adored the writings of Homer so much that he was rumoured to have kept a copy of The Iliad with a dagger under his pillow. It was his most treasured belonging.

Ambitious is what one would imagine Alexander would define himself as. His treatment of Homer is an olio of his approval of Greek values and Persian customs.

To keep the Iliad under his pillow avowed his unequivocal allegiance to the model of Homeric heroism. His Iliad was not only a symbol of Homeric arete but also a mark of Persian ceremonial grandeur. Alexander was particularly enamoured by his superhero, Achilles, and the stories of his heroism. The Iliad influenced most aspects of his life, from his warfare stratagem



*A symbol of incredible value- Alexander replacing the Iliad and Odyssey in a casket*

to his relationships and morality, and propelled him to question his father's policies as King of Macedonia. Being a devotee of Greek traditions had quite an influence on his Persian mind. He romanticized the idea of creating an amalgamated land and aimed to do so by nullifying his opponents, entrusting a quota of administration to pliant nobility, encouraging mixed marriages, and building new cities with

mixed populations. But all in vain. Till his death, the Achillean motivation to lead a conquest haunted Alexander's ambitious mind. With Aristotle as his teacher, the seed of philosophy and Homeric values had been planted young. The Iliad was his shelter and companion; it was his noblesse oblige. Keeping a copy of the Iliad with his dagger, the work of a pen with a sword, was a true checkmate.

## Made on Earth... Sourced from "Out of this World"

RAMAY RAJ SINGH

Metal, food, and water – a triad that defines regions, their standing, and their abilities. Humanity has so extensively integrated itself with tools made of minerals, mostly metals and semiconductors, making them an inseparable part. The use of elements found in the earth's crust, control of rivers and farmlands has decided fates of endless civilizations. We have indulged ourselves into countless skirmishes for dominance over these major resources.

In the grand scheme of things, there was no such shortage of them. We never overdid the planet's capability to renew, ensuring a prolonged balance. Lately, however, a shift is in effect. Since the 1970s, we are taking more from the planet than it could replenish, 1.7 times more. In other words, we are running out of these inextricable elements which, in effect, run our modern society. But it seems the solution to these problems lie right behind us.

The asteroid belt which lies between Mars and Jupiter has hundreds of thousands of asteroids, almost all of which have valuable elements which could be excavated for use. The list includes elements like water, gold, silver, silica etc, which form the bedrock of our civilization. Similar deposits have also been found on celestial bodies in our solar neighbourhood.

John D. Rockefeller, the

richest man in modern history with a net-worth of +1 Trillion Dollars made it so by creating a stronghold in the Oil industry in the US, and it is widely believed that the next man to reach or cross this threshold would be someone related to mining celestial bodies. But the justifiability to disturb the balance that has existed in the solar system by plundering it all as we have on earth, to satisfy our needs is unknown.

### The Colossal Untapped Value Of Asteroids

The most valuable asteroids in our solar system (in quintillion U.S. dollars)\*



\* Asteroids in the belt that lies between Mars and Jupiter. Value based on mineral and element content. Quintillion=1,000,000,000,000,000 Sources: visualcapitalist.com, wired.com



statista

*Estimated financial value of Asteroids based on the composition of its crust (Statista.com)*



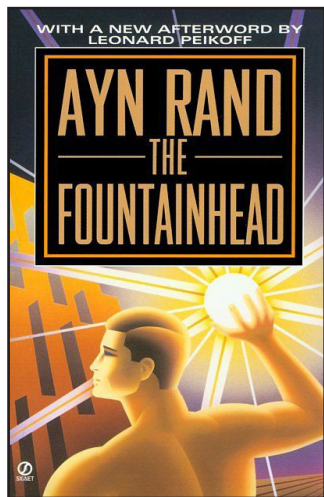
# The Fountainhead: A Reflective Read

SUMISHA MOHAN

The Fountainhead belongs to a unique type of storytelling. It falls under the genre of philosophical fiction wherein the author, Ayn Rand, puts forth her worldview by infusing it with the protagonist's very being and letting the readers observe it in the way that the protagonist carries himself and reinforces it with every decision he makes. Spanning over 700 pages, the readers are taken along to witness the protagonist's life with all its struggles and mundanities.

The protagonist Howard Roark is born to be an architect and he works towards his goal with a relentless passion. However, the world does not see buildings the way that he sees them and we see him employ unconventional, but never unethical, ways to do what he loves.

Roark is the epitome of an individualistic human being. The novel pits individualism against collectivism which is exemplified by Howard Roark and Ellsworth Toohey's lives respectively. The novel also features various points of view of the main cast of characters, offering a glimpse into their thought processes as the story unfolds. The reader is allowed



Cover of  
The Fountain head

to draw their own conclusions while seeing the characters come into power as well as lose it over the course of their lives.

Roark is written to be the ultimate hero. He has harnessed all of his talent and reached the peak of his potential. Even after being beaten down at every turn of his life by those richer and more powerful than him, his belief in his principles remains unshakeable and he continues to live life on his own terms. Reading this novel is bound to make you question how the world defines success, love and happiness, and whether you yourself are living while being true to yourself. Happy introspection!

# Cricket During COVID 19 Crisis

RUDRA PRATAP SINGH

We saw various sports tournament make a come back last year after the first wave subsided although with necessary precautions and empty stadiums. Cricket was no different too with various tournaments being organized in several places such as the IPL in Dubai, Border Gavaskar Trophy in Australia and the India-England test series in India. Fortunately, with proper planning and regulations the events didn't face any setbacks from the pandemic.

However, in the year 2021 the unprecedented delta variant of Covid19 created havoc in India with the second wave that began in March'21. The Indian Premier League was organized amidst these conditions entirely on the efficiency of the "Bio-Bubbles". After 29 matches conducted from April to May, the bio-bubble was breached and many players got infected. Several players also stepped back from the tournament in order to support their families



The former Indian Captain at the airport.

infected by the virus. This led to the BCCI suspending the tournament indefinitely. Though the new disappointed a lot of the fans, it was the right decision to make.

From the 18th June of this year "The Words Test Championship Finals" is set to be played between India and New-Zealand in England. Amid the rise in cases in India and the speculation of transmission of cases from India to England, the Indian team

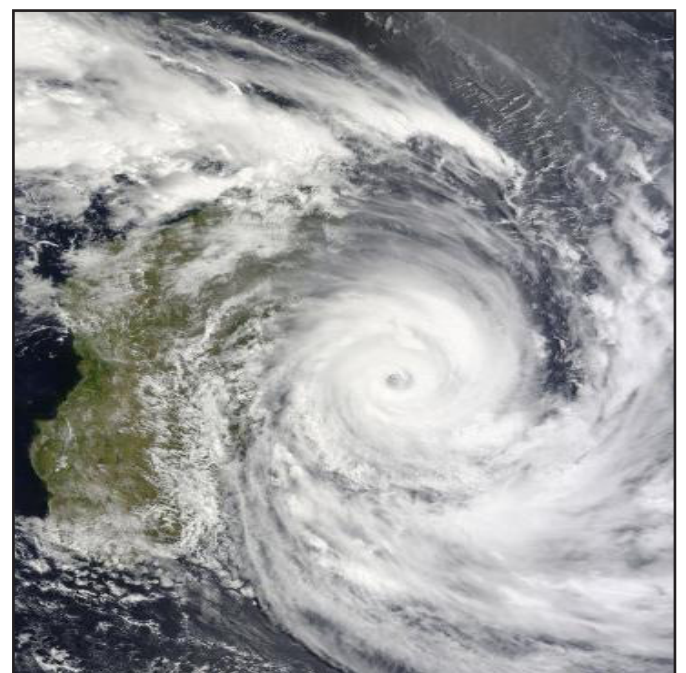
has been asked to quarantine for 14 days prior to practice sessions. The "World Cup T20" is also set to be played later this year. Although, there are lots of uncertainties looming around it as well. We ought to be positive attitude towards all the negatives around us and be hopeful in these circumstances. Successful organization of the upcoming tournaments will surely add to this positivity for the fans in the near future.

# Cyclone Tauktae and Yaas

ASMITA SOOD

The Indian Meteorological Department (IMD) classifies cyclones under the categories of 'severe', 'very severe', 'extremely severe', and 'super cyclonic storms' based on the maximum sustained wind speed generated by the cyclone. Tauktae was an 'extremely severe' cyclone i.e., it had an MSW of 90-119 knots. It wreaked havoc on the Western Coast of India, killing at least 150 people and rendering damage of 2.1 billion USD. Apart from the destruction caused by heavy rainfall in Goa, Maharashtra, Karnataka, the cyclone also reportedly caused the displacement of about 200,000 people in Gujarat, where it ultimately made landfall. Widespread damage to infrastructure and property was observed.

Cyclone Yaas was another Cyclone that hit India in the latter part of May. Yaas was termed as a 'very severe' cyclonic storm i.e. it had an MSW of 64-89 knots. It had significant devastating effects on West



Cyclone Yaas

Bengal and Odisha, the latter being the state where it made its landfall. It was first monitored by the IMD on May 23. Wide-scale evacuations were done in India and Bangladesh and rescue teams were set up but the flooding of houses and inundation of low-lying areas was inevitable. It was the source of widespread devastation.

The coastal areas are home to about forty percent of the Indians. The recent agro-industrial activities of humans have led to an increase in the sea level which in turn has increased the frequency of hurricanes and cyclones. Perhaps these two cyclones serve as a reminder to rethink our actions and align them with sustainability.

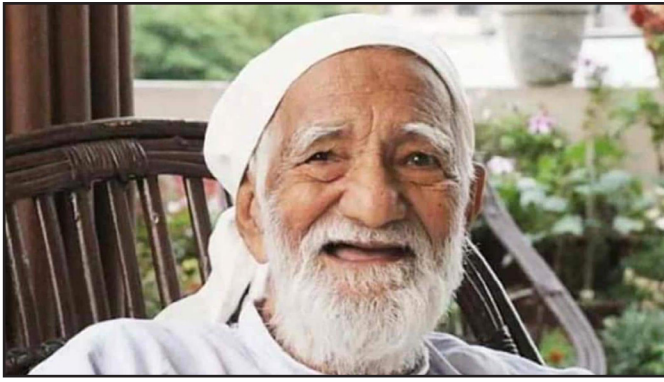
## Is 2 - DG the next miracle drug?

V.REVATHI AISHWARYA

The process of drug discovery and clinical trials is extensive and tedious. When technicians have a limited period of time they tend to turn to drugs that are already on the market - drugs which have shown positive results against similar diseases and passed the safety protocols. 2-DG or 2-deoxy-D-glucose developed by DRDO in association with Dr. Reddy's Laboratories (DRL) is one such drug. This drug showed promise in certain antiviral therapies and was thus studied against COVID - 19. It was an investigative drug to diagnose cancer among other diseases. It was even used in addition to chemotherapy to prevent the growth of certain tumors. The positives of the drug are that it is easily manufactured in large quantities and can be consumed

orally. But here's the catch, the effectiveness of the drug is doubtful. This is because the trial has significant scope for bias and hence the results lack reliability. 2 - DG was approved by the Drug Controller General of India on May 1st for emergency use in patients with moderate to severe COVID - 19. But this process lacked transparency. The data released by DRL show major flaws in the design of the trials. Predominantly, the lack of blinding in phase 2 and phase 3 trials. The clinicians monitoring the patients should not be aware of those taking the drug and those taking the placebo to prevent manipulation of the outcome. Furthermore, selective reporting of the positive outcomes of the drug is still a concern. Therefore most experts agree that the data isn't convincing enough to be a vital drug against COVID - 19.





Renowned environmentalist, Sunderlal Bahuguna.

## Through the Looking Glass: Sunderlal Bahuguna

SHRUTI RAMESH

Prominent Indian environmentalist Sunderlal Bahuguna succumbed to COVID-19 on 21st May 2021, at the age of 94. Most popularly known for the Chipko Movement and his protest against the construction of Tehri Dam, Bahuguna left a lasting impression on people from across the globe. A man of the mountains, Sunderlal Bahuguna dedicated his life to the conservation of nature. While his journey began as a wide-eyed teenager, it was the Chipko Movement in the '70s that put him on the map. Originally his wife's idea, the movement sought to curb deforestation through a peaceful Gandhian protest involving "hugging" trees to impede felling. The movement gained widespread traction, and Bahuguna's popularity rose amongst rural folk, who he believed were the best protectors of nature. Such was the influence of Sunderlal Bahuguna that, after a brief

meeting with the then Prime Minister in 1980, a legislation was passed to ban the cutting of trees in the Himalayan forests for 15 years. During his journey, he spearheaded multiple strikes, marches, and talks to shed awareness on the importance of being ecologically sound and to promote sustainable living. His passion for nature even won him the Padma Vibhushan in 2009.

Bahuguna's followers credit his warm nature and charismatic personality with their motivation to take on his pursuits both locally and internationally. His mantra, "ecology is permanent economy", inspired myriads of people to follow in his footsteps. If there are several young environmentalists and climate activists in India today, it is only because Sunderlal Bahuguna sowed the seeds of environmentalism in the country. One can only hope that his spirit will carry on in the hearts of nature-lovers for generations to come.



A teach for India classroom

## Teach for India

GAYATRI RAMYA KOTHURI

"Be the change you wish to see"; Teach for India has asked its fellows to take this famous quote by Mahatma Gandhi since the idea was in the development stage.

The fellowship focuses on the development of the children academically and by virtue and helps the fellows grow as a person. The movement was initiated in 2006 by Shaheen Mistri after 17 years of the Akanksha Foundation and is operational in Mumbai, Pune, Delhi, Chennai, Hyderabad, Bengaluru, and Ahmedabad. She felt that all the kids throughout

India should be educated, and not just the kids from Maharashtra to achieve their goal of ending the educational inequity in the whole country. The organization convinces low-income school principals to let the fellows teach in their school where the fellows not only teach the children studies but the way to live life cheerfully and develop the potential in them through arts. While helping a child find their potential, fellows learn to see the best in a person and how to make them achieve it.

Through all the struggles of teaching, they learn to be more patient, determined, and imaginative. Seeing each kid grow

makes them more confident and experienced as a leader which can be seen by everything the alumni did after their fellowship. Teach For India Alumni are serving more than 33 million children; 1 in 10 Indian children is now approached by a Teach For India Alumni. A recent study also says that the community has founded more than 150 organizations. "Everything you do comes back to you"; Teach for India shows us this quote in reality. While helping the kids grow as a person and making their lives better, the people connected to the cause grow as a person themselves and get a purpose in life.

## Suspense in the absence of uncertainty

ANAHITA GUPTA

How is it that one feels suspense after repeated viewing of a film or re-reading a book? Even though it is believed to be somewhat set in stone in philosophy and psychology that suspense requires uncertainty, many claim to have watched their favorite film various times and still be able to find it suspenseful. The conflict between the theory of suspense and the account of viewers creates a problem we know as the paradox of suspense.

It is an incontrovertible fact that people can consume the same suspense fiction again and again with only a slight loss of affect. Someone may

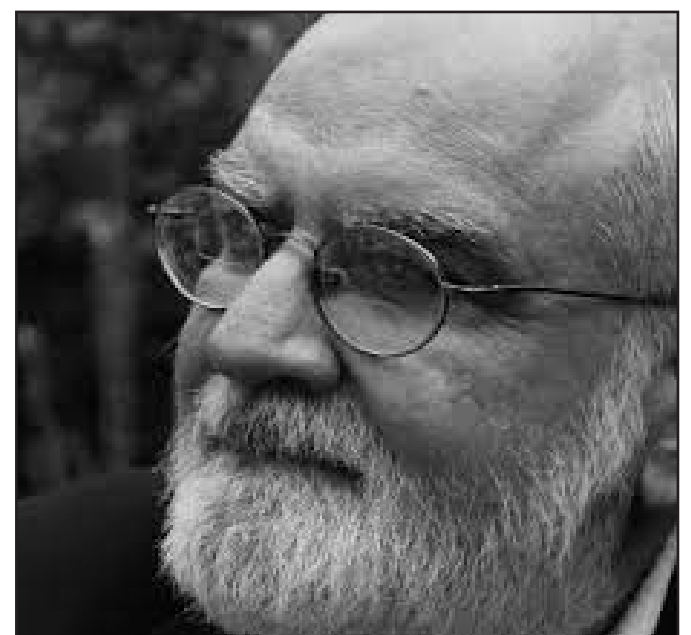
reread Dennis Lehane's 'Shutter Island' and, nevertheless, on the second, third, and hundredth time around still be caught in a similar grip of suspense that ensnared them in the first place. Like all paradoxes, several solutions have been proposed.

The thought theory of entertained uncertainty argues that suspense requires entertained uncertainty, not actual. Suspense can be easily created by merely imagining that an event's outcome is uncertain.

The moment-by-moment forgetting proposes that while viewers are immersed in a fictional scenario, they effectively cannot remember the outcome.

The desire-frustration theory explains that neither entertained nor actual uncertainty is necessary for suspense. The emotional misidentification view holds that the viewers are not feeling suspense, only anticipation by having misidentified the emotion they are experiencing.

Though the four theories each have their own set of complications, two facts can be concluded - one, the rate of suspense often declines after we have watched a movie, and continues to do so on subsequent viewings and two, although narrative fiction is extremely effective at creating a suspenseful environment, we rarely feel suspense in our everyday lives.



Noël Carroll offered a persuasive account on dissolving the paradox



# Madurai: The City That Never Sleeps

M KAVIN RAMNATH

Green fields, towering temples, rich culture and breathtakingly delicious delicacies- Madurai, the city that never sleeps, gives its visitors a truly enchanting experience. The land of temples, its main attraction is the world famous Meenakshi Amman Temple, around which the city was initially built in the shape of a lotus. Several other ravishing temples also grace the city including the Koodal Azhagar temple and Thiruppuramkudram.

Madurai is famous for its “Malli” or jasmine flower. This flower can be traced to the early Sangam period, when King Pari gave his chariot as a support for the jasmine climber. The soil and weather conditions

make this jasmine unique, with its fragrance lasting for 36 hours. A visit to Madurai is incomplete without digging into all the delicacies that it has to offer, starting with Jigarthanda, Prema vilas Halwa on a lotus leaf, Azhagar kovil fried dosai, Parrotta and several other non-veg goodies. Konar mess Kari dosai, for which people stand in long queues to relish is a special mention.

The Chithirai thiruvizha, that takes place during the Tamil month of Chithirai, is a grand festival, exclusive to Madurai. It celebrates the marriage ceremony of Lord Meenakshi Amman and Lord Sundareswarar, the rulers of Madurai and also narrates the story of Kal Azhagar, who, on learning about his sister's



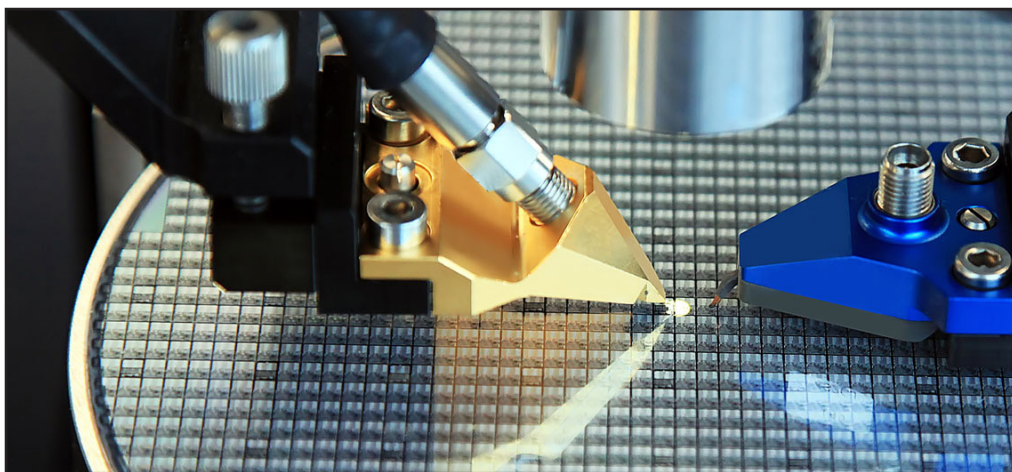
Chithirai thiruvizha

marriage, departs from his temple and heads towards Meenakshi Amman temple. However, by the time he crosses the Vaigai River, the marriage ceremony is already over and hence, heads

back to his temple, without attending his sister's marriage.

Words can't fully describe this wonderful city. Experience, as they say, is the best teacher. The beauty and sheen of the

two thousand five hundred year old Madurai, often referred to as Athens of the East, is one to behold and bask in and should be a must-visit destination for the travel-hungry.



A silicon chip being manufactured.

## Global Economy impacted by The Global Silicon Shortage

PRAKHAR BHARADWAJ

Semiconductors, also known as microchips, are essential components in every electronics product. Manufacturing a microchip typically takes more than three months and involves giant factories, dust-free rooms, multi-million-dollar machines, molten tin and lasers. The end goal is to transform wafers of silicon into transistors that form the basis of the circuitry that gives all electronics their crucial capabilities. While the chips themselves are resilient, made to handle extreme conditions, the global semiconductor supply chain is relatively fragile, prone to disruptions from natural and man-made shocks. The

COVID – 19 Pandemic had already put enormous pressure on supply chains, especially for consumer electronics, as it forced people around the world to find new ways to work and play. Car manufacturers cancelled chip orders after incorrectly forecasting lower demand for the rest of the year because of the pandemic and lockdowns. When car sales bounced back faster than expected in the third quarter last year and carmakers tried to ramp up production again, chip factories could not respond fast enough given the long lead times needed to schedule orders. Following the immense pressure put on chip manufactures by the car companies, the dearth of semiconductors then

quickly spilled over to other industries, such as consumer electronics and home appliances, which suddenly found themselves unable to secure adequate supplies to meet the increased demand. Intel, the biggest chip manufacturer in the world, has predicted that this shortage will last till the 4th Quarter of 2022. Due to this shortage in chips, all industries will continue to underperform and underproduce which will only lead to a bigger hike in the prices of all electronics, cars, computer parts and anything that uses a microchip. This will have a huge impact on the global economy and some economists predict that this could lead to a whole new recession.

## Saying Goodbye to one of the most influential Mangakas – Kentaro Miura

RITIK SHRIVASTAVA

The man behind the narrative of the painfully brutal and bleak world of the Dark Souls franchise. The man who influenced the twisted story of the Devil May Cry series and was the very reason behind Cloud's ridiculously large sword from Final Fantasy 7. It's Kentaro Miura, the creator, author, and illustrator of the genre-defining manga, Berserk. Berserk, the series that brought Miura onto the scene and almost instantaneously into the limelight of the manga community started serialising in 1989. Taking inspiration from classic series like Violence Jack and Fist of the North Star, Miura began crafting a meticulous tale that deeply delved into abstract subjects like destiny, morality, and the fundamental reason for humanity's very existence. All of that was beautifully woven

into a story that wasn't afraid of jumping into the darker and murkier themes of graphic gore and revelations that would make the readers easily uncomfortable. No authors and illustrators would ever fully embrace such ideas, yet Miura made that one of the staple characteristics of the series, consequently creating something devoid of any creative boundaries opening up infinite possibilities. Every quiet detail in the narrative would come together in panels so incomprehensibly intricate that one could be forgiven for thinking that it's something straight out of a classic adorning the walls of the Louvre. On the 6th of May, Kentaro Miura succumbed to aortic dissection at the age of 54, leaving behind a legend forever incomplete and a legacy forever expanding. Rest in peace Kentaro Miura Sensei.







*All for love and love for all*

## Evolution of the Pride Parade

**NANDINI NIGAM**

The Pride Parades are a reflection of the LGBTQIA+ community: out, loud and proud. They are events that seek to promote social and self-acceptance, legal rights and remembrance of the history of the movement. The late 1960s saw an uprising of people from the LGBTQIA+ community pushing back against police discrimination at many small occasions in cities like L.A. and San Francisco. The Stonewall Uprising in the year 1969 stood as a pivotal movement that led to the first-ever Pride parade on June 27th, 1970 in New York.

The idea of queer people marching through the streets of New York City, proudly declaring their existence at a time when pride and love were considered extremely revolutionary. Rising to break free from social norms and oppression was an act that required immense courage. By 1980, Pride parades had taken place around the world in cities

like Montreal, London, Mexico and Sydney. This small event that started from the streets of New York had gradually become a global event by 2003 when people from Japan, Europe, India, Africa, Serbia and many more nations marched to celebrate their existence.

2011 marked the organization of the world's largest Pride parade that took place in Sao Paulo, Brazil with over 3.5 billion attendees. What initially started as a movement to come out of the shadows into sunlight turned into something much bigger that is embracing diversity, feeling safe and comfortable in one's skin and creating awareness.

People often struggle with uncertainty, fear and disbelief. Living out their truths is the best way to help them develop into strong, kind beings who don't shy away from embracing who they are. A huge reason to celebrate Pride is so that their struggles are not forgotten and to help continue progress.

making it unclear whether it would be back for 2021. It did return, albeit more digitally than one desired. Due to the digitally fragmented presentation system

## Proud to Love: The Seven Husbands of Evelyn Hugo

**NANDITA BHYRAVBHATLA**

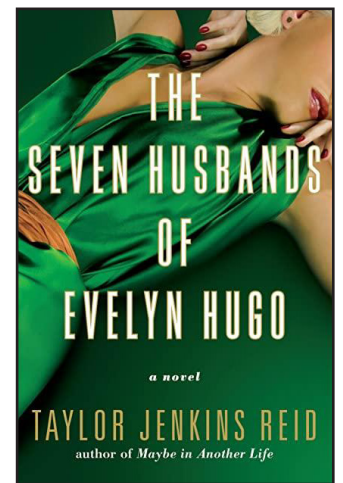
With pride month in full swing and people all over the world embracing their true

identities, the battle for the right to love is as fierce as ever. Taylor Jenkins Reid understands this battle, making her novel, "The Seven Husbands of Evelyn Hugo", a must-read. In this breathtaking story, protagonist Evelyn Hugo embarks on a journey to understand the meaning of love, the love of power, and the power of identity.

The book recounts the story of Evelyn's eventful life from her perspective. Overcoming her horrific childhood, Evelyn Hugo had become "the next best thing" of 1960s Hollywood.

Decades later, she sits down for a tell-all interview where

she speaks, in retrospect, about her passionate and often aggressive attempts to make it in a cut-throat movie industry using the only weapon she ever knew- her body. She also narrates the rise and fall of her 7 famous marriages- full of power dynamics, calculated moves, passion, and pain. However, the true essence of the book is the love story that never made it into the newspapers. Evelyn Hugo had a secret- a forbidden love that she should've never had to hide. Reid spins a gut-wrenching, yet empowering tale that makes the reader feel for her protagonist's trials as a bisexual woman in the late 20th century. Evelyn's journey, though fictional, is a story many people share today; a story of love that is deemed disreputable and flagrant. However, love is



*"A story of love and power"*

boundless and everyone has the right to love freely. Evelyn Hugo was 16 years old when she first sold her body for what she thought was love. It was not until years later, her heart chose a different path. It was a path most people misunderstood, but one just as beautiful.

## The rise of NFTs and the economics behind them

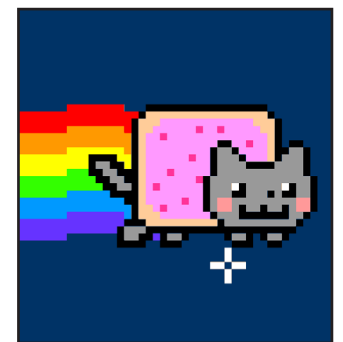
**LAWRENCE S.**

From the 'Nyan Cat' which sold for \$580,000 to top shots from NBA which sold for millions, 2021 saw a frenzy in the purchases of Non-Fungible Tokens (NFTs) made possible by industry players of social media, music, and sports. While NFTs seem complex in concept, they can be understood simply as blockchain-based stored units of data that certifies a digital asset to be unique and not changeable or fungible.

People tend to have a long attached emotional and aesthetic value to art or objects which give

them a higher personal value. But this is hard for digital goods as they can easily be copied, recycled and in essence, be fungible. This is where NFTs come in, as they use blockchain technology to further decrease the fungibility making each individual set of data unique to itself, attracting many young collectors of the mythos that is digital data and or digital art. Still, the images themselves can still be easily used by anyone as the ownership of an NFT does not inherently grant copyright to whatever digital asset the token represents.

The craze for NFTs was led



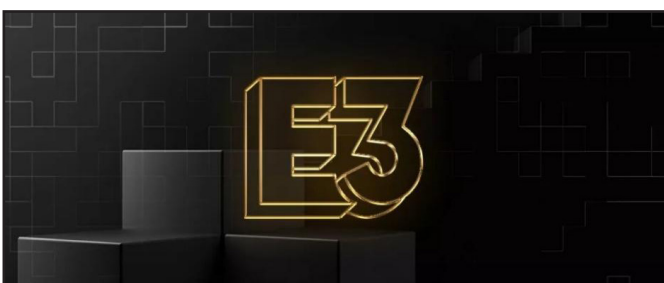
*NFT of the Nyan Cat sold for \$580,000 in February*

largely by speculative investors and by April 2021, experts called their popularity to be an economic bubble after a substantial rise and fall in the market causing prices to drop significantly. Still, NFTs may just be the beginning for a whole new generation of technological assets that compile together to revolutionize digital economics.

## E3 2021 – A lukewarm course with some amazing side dishes

**RITIK SHRIVASTAVA**

In the year 2020, E3, one of the largest Gaming expos, took a break due to the pandemic,



*E3 2021 was held from the 12th to the 15th of June, through an all-digital presentation system.*

making it unclear whether it would be back for 2021. It did return, albeit more digitally than one desired. Due to the digitally fragmented presentation system

and a year filled with delays, the reception to the first couple of days was lukewarm at best. That is not to say that presentations did not have their moments of glory but a lot of those were few and far between. With that out of the way, here are some of the announcements that carried the weight of the show pulling the 'hype' train with their sheer brilliance. After months and months of teasing, players finally got a proper glimpse at From Software's newest endeavour, Elden Ring. A story

crafted in collaboration with George R.R. Martin, the man behind The Game of Thrones, set the audience on fire with a barely three-minute-long trailer. Following that explosion was Ubisoft's presentation giving us an up close and personal look at the new villain from Far Cry 6, Anton Castillo, played by the legendary Giancarlo Esposito. Ubisoft also teased a mysterious game-mode which would have the players play as the all too iconic villains from the Far Cry series, single handedly dialling

the excitement to eleven. While Bethesda hit the viewers with two consecutive bombshells, showcasing Starfield, their new IP set in uncharted space and Stalker 2, the sequel to the cult classic Stalker set in the irradiated Chernobyl. There were also some surprise announcements like Replaced, Twelve Minutes and Atomic Heart. With everything showcased so far, it seems like a good couple of years for games, dotted with a little something for everyone is finally coming along.



# Tokyo Olympics

ANAMIKA TRIPATHI

The Tokyo 2020 Summer Olympics, which was supposed to be held in the year 2020, between 24th July 2020 and 9th August 2020, got rescheduled due to the still-petrifying COVID-19 pandemic. It was the first time when a multi-sport event of such humongous spectatorship had gotten postponed. An announcement addressing the postponed dates was released by the International Olympic Committee (IOC) and Tokyo Organizing Committee of Olympic and Paralympic Games (TOCOG), on 24 March 2020. According to the announcement it had declared that the 2020 Summer Olympics and Paralympics would be rescheduled to a date “beyond 2020 but not later than summer 2021”. According to recent developments and announcements, the event has been scheduled to be hosted from the 23rd of July 2021 and last till the 8th of August 2021. Despite being rescheduled for 2021, the event retains the Tokyo

2020 name for marketing and branding reasons. About 11,091 athletes have participated this year from across 205 nations. Under the new IOC policies, they have allowed the host organizing committee (TOCOG), to add new sports to the Olympic program, to augment the permanent core events. What’s even more unique about this year’s Olympics is the introduction, addition, and recall of some new and old competitions. Some of this year’s new competitions include the 3 x 3 Basketball, Freestyle BMX, and Madison cycling, along with further mixed events. The debut of Karate, Sport Climbing, Surfing, and Skateboarding, which were planned to be introduced at last year’s Olympics, has been scheduled this year. Adding on to which Baseball and Softball will make a comeback for the first time since 2008. With 339 events derived from 33 various sports having 50 disciplines, the event will truly be an eventfully glamorous one to be organized in the Japan National Stadium, not worth a miss.

## Aviation’s Non-Zero-Sum Game Strategy

KRITIKA MALHOTRA

It is estimated that global aviation accounts for roughly 2.5% of the total CO<sub>2</sub> emissions. Although long distance travel has become ingrained in many, environmentally, its consequences are substantial.

Airbus, a French aircraft manufacturer, has come up with ZEROe, a set of 3 eco-friendly aircraft designs. The company says these could be in service by 2035, and form part of their wider plan to ‘decarbonise’ the aviation industry. Two of the three designs, the turboprop and turbofan, resemble modern-day aircrafts – with the exception of the turboprop using twin propellers for propulsion. The third design, called the Blended-Wing Body, is shaped like a cross between a space shuttle and an aeroplane – making it both ambitious and unfamiliar. Its advantage – it is more aerodynamic. Hydrogen cells, which power these aircrafts, works by generating electrical power using an electrochemical process which consumes only



Clockwise from left: Airbus’ logo, the Turbofan design, The Blended-Wing Body design and the Turboprop design.

Hydrogen and Oxygen by utilizing the quick release of energy in Hydrogen molecules. This kind of fuel system is eco-friendly compared to conventional systems for two reasons; first, because of its relatively safe by-products (water and small amounts of nitric oxide) and second, because of how Hydrogen is produced from seawater using green technologies (such as wind). Like any other conventional fuel, quantity that can be carried becomes its limitation but as

Hydrogen is relatively light, this creates plenty of possibilities!

Airbus’ idea has gained cynicism in the industry; from those pointing to the development of sustainable fuels for use in the current aircrafts, without engine modification which is already in process on a small scale – but not as eco-friendly.

With some luck, Airbus’ idea might offer commercial flight without guilt of compromising our planet’s future!

## Travel post COVID-19

LAKSHMI VIBHA

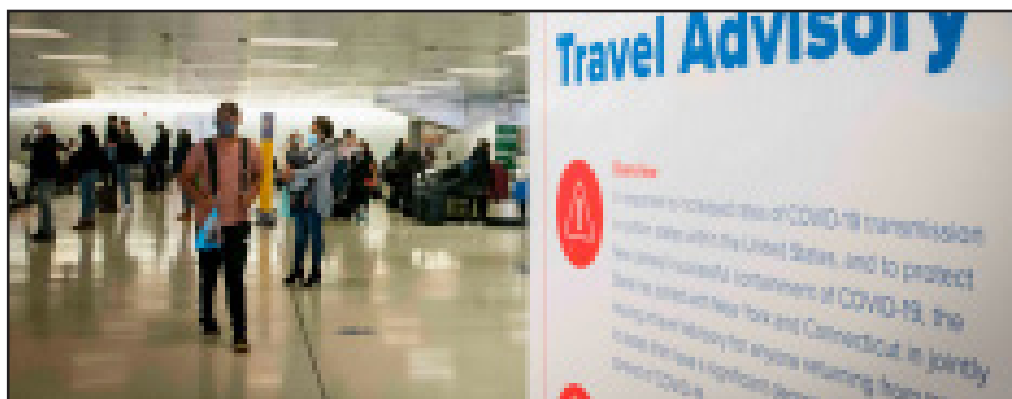
Travel plays a huge role in anyone’s life goals. Going on vacations will no longer be a carefree affair. Wandering through bustling streets and from one busy city to another were the signs of a satisfying and fulfilling holiday. Feeling the quiet noise of multiple conversations around you was therapeutic even. But now, the only thing that cognisant people will be after is vacations in solitude or places that offer so. With the ongoing and completely unreliable trends of the pandemic crisis, vacationing, if one must absolutely have, the best places will be where one could be

scarcely in contact with others. The travel industry will now have to revise every itinerary in order to follow the social distancing norms, and will also have to keep in mind the safety and availability of the area they are based in.

Donning a mask for a whole day is irritating even if one were to not take part in particularly strenuous activities. Having vacations in places which offer the same comforts but with less people around will now be an ideal vacation. Checking whether the staff is vaccinated and are taking the necessary safety precautions is another must on travel checklists.

Many parameters will have to change with safety being the utmost priority. The choice of airline will not be based on price alone, the destination will no longer be based on the level of luxury but on the social distancing norms and hygiene standards.

Since the sudden onslaught of the Coronavirus, many families have been unable to meet each other, so small group tours where quality time is possible would be sought after. Travel experts will be another option for small circles and also that they should be well informed lest any sudden surge of the virus occurs.



Following travel restrictions and norms



Miraitowa

The name **Miraitowa** comes from “Mirai”, which means future, and “towa”, eternity.

This name was chosen for the Olympic mascot to **promote a future where the hearts of people around the world are filled with hope.**



Someity

The name **Someity** comes from the word “Someiyoshino”, a popular type of cherry blossom in Japan and the English phrase “so mighty”. The mascot represents Paralympic athletes who tackle obstacles and redefine the limits of possibility.



# Digital education carries a boon that no one can ignore ... AICTE Chairman

## STAFF WRITER

The Tenth edition of the University Distinguished Lecture (UDL) Series, organised by SRM University-AP, expounded on a pertinent problem of the current time, "Higher Education in India in the Post-COVID-19". Prof Anil Sahasrabudhe, Chairman of All India Council for Technical Education (AICTE), delivered the Distinguished Lecture, and Shri Satish Chandra, IAS, Special Chief Secretary, Higher Education, Government of Andhra Pradesh, gave a special address. In his welcome address, Prof D Narayana Rao, Pro-Vice-Chancellor of SRM University-AP, set the context of the event, emphasising on how the unprecedented COVID-19 crisis has resulted in the temporary closure of about 1000 Universities and about 40,000 Colleges in the country, severely disrupting the teaching and learning process and research activities. The transition to "Learn From Anywhere (LFA)" happened overnight and people had to get used to it. National Education Policy (NEP) 2020 recognises the importance of leveraging the advantages of technology while acknowledging its potential risks and dangers. Online education calls for carefully designing and appropriately scaled studies to determine how the benefits of online/digital education can be reaped while addressing or mitigating the downsides. There is a need to establish a "Digital and online Wing" in the Departments of Education in different states of the country Prof Anil Sahasrabudhe in his Distinguished Lecture, delineated

that the use of technology in the education environment has been initiated in the Pre-COVID days. Platforms such as Swayam, National Programme on Technology Enhanced Learning (NPTEL) came into existence to digitally bring quality education to everyone. Digital education carries a boon that no one can ignore, i.e. making physical distance irrelevant in education. Digital education has the ability to reach students anywhere and everywhere provided they are equipped with gadgets and internet connectivity. Thus, the Government of India has undertaken a nationwide project under, Bharat Net, Unnat Bharat Abhiyan to connect every corner of India through the internet. Prof Sahasrabudhe accepted that all subjects cannot be taught online, especially lab-based practical courses that will have the need to attend physical classes. Music, Drama, sports, other performing and fine arts, which are an essential part of a pedagogical system, cannot be studied online. Moreover, a digital class can never replace the bonding humans tend to develop while working in close proximity. However, it cannot be debated that the education system as we know it has changed. The future of education comes with a blended environment. Fortunately, National Education Policy-2020 envisioned the change long ago and introduced a relevant policy to ensure the educational growth of the country. Multidisciplinary Education and Research Universities (MERU), Academic Bank of Credits, National Academic Depository are some of the revolutionary changes that are going to benefit

the next generations in the post COVID days. The government has already established National Research Foundations to support mega research projects, which may need several crores of rupees. Prof Anil Sahasrabudhe emphasised that studying in one's native language is an essential requirement that NEP looks into. Prof Sahasrabudhe asserted that proper administration, governance and autonomy are some of the deciding factors for the education sector in the coming days.

While concluding his speech, he further elucidated AICTE's initiatives towards the advancement of the education sector-Curriculum Revisions, Project-Based Experiential Learning, Faculty Training, Industry Internships, Students Internship Programmes are soon to be inseparable aspects of the changing education sector. Shri Satish Chandra highlighted the challenges associated with online education in respect to the state of Andhra Pradesh. 3000 colleges and 17 universities with 12 lakhs students in Higher Education Sector have got affected because of the pandemic. However, the future of education brings a blended environment with both online and offline teaching-learning options. He opined that LMS, Online Platforms, gadgets such as desktops, laptops or tablets are going to be a part of the new normal of the education sector.

The Government of Andhra Pradesh strives to help economically backward students by providing the gadgets at an affordable cost under various scholarship schemes.



## SRM now offers M.Sc. Atmospheric Science for students

### STAFF WRITER

SRM Institute of Science and Technology (SRMIST) is offering M.Sc in Atmospheric Science from the academic year 2021. This program is offered by the Department of Physics, School of Applied Sciences, SRMIST. Masters in Atmospheric Science is an emerging programme attracting many students to pursue their careers in global warming, climate change and weather forecasting.

This program offers the Learning Outcomes based Curriculum Framework (LOCF) as recommended by University Grants Commission (UGC), Govt of India. Skill based courses such as Atmospheric observations, weather modeling lab etc., are included in the program.

A dedicated semester is allotted for carrying out the project in the national scientific laboratories and institutions. The training and knowledge gained by the students of M.Sc Atmospheric Science will help them to grab the scientific positions offered by India Meteorological Department (IMD), National Institutions, private weather forecasting, air quality agencies, and in NGOs working in the areas of climate change, environmental modeling etc. It is also helpful in clearing the screening processes for several atmospheric positions offered by the international agencies such as NASA, NCEP NCAR etc.

At SRMIST, we provide special coaching for students appearing in competitive exams such CSIR NET, JEST etc. which will benefit students wishing to pursue their Ph.Ds in

**SRMIST is equipped with several state-of-the-art instruments to do research in atmospheric science and this will help the master students in carrying out the frontline experiments of their course.**

prestigious national institutions such as Physical Research Laboratories, Vikram Sarabhai Space Centre (VSSC), Indian Institute of Tropical Meteorology (IITM) etc.

SRMIST is equipped with several state-of-the-art instruments to do research in atmospheric science and this will help the master students in carrying out the frontline experiments of their course. Artificial intelligence, project internships, training on weather monitoring with satellite, radar images etc of the programme are special attractions and highly useful to the students for their employment. Faculty collaborations with reputed national and international scientists help the masters' students to get the international/ national exposure. For more details visit SRM Admissions office in Kattankulathur or visit [www.srmist.edu.in](http://www.srmist.edu.in).

