



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

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**DAYSPRING UNIVERSITY
DALLAS, TEXAS, USA**



An honorary degree of Doctorate of Philosophy was awarded to Dr. Ravi Pachamoothu, Chairman, SRM Group, Pro Chancellor (Administration) SRMIST, from the Dayspring University, Dallas, Texas, U.S.A. by Dr. P. Mannar Jawahar, former Vice-Chancellor, Anna University and in the presence of other dignitaries.

SRM Group of Institutions Chairman conferred with Honorary Doctorate

STAFF WRITER

SRM Institute of Science and Technology, Kattankulathur, Pro Chancellor (Administration), Dr. Ravi Pachamoothoo was conferred an Honorary Doctorate by Dayspring Theological University, Texas, USA. The Dayspring Theological University is a biblical training institution

dedicated to preparing leaders for the challenges of the twenty-first century church and society.

Its lively global expansion confirms God's call to Christian education, as well as the essential need to have men and women spiritually qualified to lead lives that have an impact on our world. Dr. Ravi Pachamoothoo

is the Chairman of the SRM Group of Institutions and Pro Chancellor (Administration) at SRMIST. He believes that SRM Group of Institutions aims to imbibe the quality of personality development and create a thirst for knowledge and determination to succeed within the students. He also says that SRM Group's prime concern

is to address the students and their well being.

Our goal is to deliver world-class, problem-driven programs that inspire students' curiosity to explore novel areas of knowledge and research. Our collaborations strengthen our academic and research programs with 50 of the world's best universities and

215 corporates supporting this dissemination of knowledge.

Students of SRM Institute are committed throughout their lifetime to be pioneers in innovations through research, transfer of discoveries worldwide, and help us educate the leaders and entrepreneurs of tomorrow to build a better future.

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Can we envision a future without new art?

Literary Works That Changed the World

M HAASSHIM

P.G. Wodehouse once said, “There is no surer foundation for a beautiful friendship than a mutual taste in literature.” Literature has been the most culturally ingrained and virtuously influential piece of art in history. It has sustained for centuries; a few works of literature have had an impact that cannot be overlooked.

The greatest works of literature paved the way for greater things of the future. An example is *The Republic*, written by Plato in 300 BCE. It is considered to be one of the earliest and most influential pieces of political writing. Fast forward to late 1847, Karl Marx’s *Manifesto of the Communist Party* also played an important role in framing modern-day politics. While many books framed crucial parts of the world’s system, literature was also a pastime for plenty. William Shakespeare’s works in comedy

and drama structured the various narrative styles we see today. One such example is Herman Melville’s *Moby Dick*, a novel with several literary symbolisms that also serves as a simple man-chasing-whale story. Literature is incomplete without poetry, the earliest media of communicating emotions and feelings. The *Iliad* and *Odyssey* by Homer revolutionised the way literature was perceived.

Modern-day literature has several genres to choose from and the biggest one is fantasy. While George Orwell’s 1984 laid the foundation for dystopian literature, JK Rowling’s magnum opus, the *Harry Potter* series, spearheaded the fantasy genre. Rowling’s work influenced a whole generation of young teens to become ‘wizards’ and ‘witches.’

While genres vary, the best part of literature is its democratic nature of being entirely subjective.



JK Rowling’s Harry Potter series revolutionised the fantasy genre and amassed countless fans.

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 spectrum@srmist.edu.in
- Coverage of a certain event or receipt of an article does not guarantee publication.

-Editor



The key findings of the National Family Health Survey (NFHS-5) for the state of Tamil Nadu and Puducherry was released by Dr. P. Kuganantham, member of the Tamil Nadu Chief Minister’s Expert Advisory Committee for COVID19, at event held in SRM Medical College Hospital and Research Centre. Also seen are SRMIST’s Vice-Chancellor Dr. C.Muthamizhchelvan, Pro-Vice Chancellor (MHS) Lt Col Dr.A.Ravikumar, Dean (Medical) Dr.A.Sundaram, Dean (School of Public Health) Dr.Padma Venkat and other members of SPH.

SRM School of Public Health disseminates Key Findings of NFHS -5 for TN & Puducherry

STAFF WRITER

School of Public Health (SPH) at SRM Institute of Science and Technology (SRMIST), Kattankulathur celebrated the successful completion and dissemination of the key findings of the National Family Health Survey (NFHS -5) for the state of Tamil Nadu and Puducherry at SRM Medical College Hospital and Research Centre (SRM MCH&RC). NFHS-5, the fifth in the NFHS rounds, provides information on population, health, and nutrition for India and each state/union territory (UT) and also provides data at the District Level.

NFHS-5 includes some new topics, such as preschool education, disability, access to a toilet facility, death registration, menstrual hygiene, and abortion. The scope of clinical, anthropometric, and biochemical testing (CAB) has also been extended to include measurement of waist and hip circumferences, and the age range for the measurement of blood pressure and blood glucose has been expanded. SRM SPH surveyed a total of 27,929 households, 25,650 women, and 3,372 men in

Tamil Nadu and 3,520 households, 3,669 women, and 534 men in Puducherry. Chief Guest of the event, Dr. P. Kuganantham, member of the Tamil Nadu Chief Minister’s Expert Advisory Committee for COVID19 said, “This is an eye-opener about the health status of India. Data helps to

make decisions. It highlights the public health of the community and the nation at large.”

He elaborated that the strategies used in Survey 1 conducted in 1993. He said that public health is always side-lined. During a pandemic, it was Public Health that came to the rescue in Tamil Nadu. “During the COVID only a one third of the affected were admitted in hospital, while the others were treated through a good public health system in TN.” He added, “The development of a national, will only come from the development of a family’ mother and child. Health is not just physical or mental but includes economic, religious and social well- being.”

Appreciating the dedication and hard work done by SPH, Pro Chancellor (Academics), Dr.P.Sathyanarayanan said, “The aim of such ‘Findings’ is to prevent pandemic such as COVID 19.” He elaborated on how such findings alert the people and the precautions they need to take. “SPH has done extremely well in this research.” He said that SRMIST is doing extremely well in research and urged the institution to keep up the work.

Congratulating the remarkable achievement by SPH, SRMIST’s Vice-Chancellor Dr. C. Muthamizhchelvan said, “Collecting data is difficult, and doing it during COVID is much more difficult. Data is very important, as it leads to making informed decisions. Modern technology helps us to size-fit enormous data and

helps decision science.”

SRM MCH&RC’s Pro-Vice Chancellor (MHS) Lt Col Dr. A. Ravikumar said, “This is a landmark history in Medical and Health Science at SRM MCH&RC. “Authentication of data is a very big achievement as it involves planning, fieldwork among others. This NFHS -5 has a lot of interesting finds to help the health of the country.”

The key findings of Tamil Nadu and Puducherry were released on the occasion. The team members that completed the NFHS -5 Project for SRM SPH were also felicitated. Present on the occasion was Dean (Medical) Dr. A. Sundaram, Dean (School of Public Health) Dr. Padma Venkat and other members of SPH SRMIST.

SRM SPH, a pioneer in Public Health Education in the State of Tamil Nadu strives to bring a holistic approach to Public Health education by focusing on Academia, Research, Outreach, and Enterprise.

“The development of a national, will only come from the development of a family mother and child.”

SRM University-AP celebrates its 1st convocation

STAFF WRITER

On an auspicious December evening, SRM University-AP observed its 1st Convocation conferring degrees to 294 undergraduates. Dignitaries across the world joined together to embrace the special moment on December 01, 2021, at the SRM University-AP campus in a hybrid mode. Dr. Andrew D Hamilton, President, New York University, graced the event as the Chief Guest. An Honorary Doctorate was awarded to the Guest of Honour Dr. Sethuraman Panchanathan, Director, National Science Foundation, USA.

Dr. Hamilton expressed his greatest admiration towards the new university and its first batch of students. Being associated with established heritage universities all his life, he expressed his utmost joy to be a part of a nascent university full of promises and potential to create a long and illustrious history. The achievements of the past three years are an active example of the limitless possibilities that SRM University-AP nurtures. Dr. Hamilton expressed his opinion saying that this era is in critical need of higher education. Similar to the story of Robert Louis Stevenson, universities have the responsibility to 'punch through darkness', and SRM University-AP must be one of the vanguards. "It is extraordinary to see so many laurels to be brought by the students amid COVID-19 and a worldwide pandemic," opined Dr. Hamilton extending an open invitation to SRMAP fraternity to visit NYU and be a part of it.

In his speech, Dr. Sethuraman Panchanathan expressed his sincere gratitude upon receiving the honorary doctorate. In his advice to the graduating batch, he presented a mantra of 6 C's to follow in life to be worthy of honour and respect. First, a great journey begins with 'curiosity'. To propel towards progress, you must foster curiosity and never cease



Dr. T. R. Paarivendhar, Founder Chancellor, SRMIST, Dr. P. Sathyanarayanan, Pro Chancellor (Academics), SRMIST and President, SRM University AP, Dr. C. Muthamizhchelvan, Vice Chancellor, SRM IST, Dr. V.S Rao, Vice Chancellor, SRM University AP, Dr.D. Narayana Rao, Pro - Vice Chancellor, SRM University AP, Chief Guest Dr. Andrew D. Hamilton, President, New York University and Dr. Sethuraman Panchanathan, Director, National Science Foundation, USA presents certificate and medal to the rank holder at the 1st Annual Convocation held at the SRM University premises, AP.



Rank holder of SRM University, AP campus receiving medal and certificate from Dr. T. R. Paarivendhar, Founder Chancellor, SRMIST, and Dr. P. Sathyanarayanan, Pro Chancellor (Academics), SRMIST and President, SRM University AP.

asking questions. Second, you must always find the 'courage' to stay positive. Trust your abilities and embrace your failures making those into stepping stones towards success. Third, true success can never be achieved alone. It is always a 'collaborative' game. Fourth, effective 'communication' is the key. Get people excited about what you are doing and

accelerate the development with your expertise. Fifth, 'commitment' is the essence of success. Be a life-long learner and dedicated to excellence. Lastly, 'compassion' is the factor to bind all these together. Dr. Panchanathan encouraged the graduands to learn these mantras by heart, and success will find them in life. "SRM University-AP was established

with a vision of catering for the educational needs of the students of Andhra Pradesh and India. Our motto from the beginning is to provide a holistic education for the overall personality development of the students. On the occasion of the 1st convocation ceremony, it gives me immense joy to share that our first batch of students has been able to imbibe the

vision of the university into their lives. They were able to prove their mettle on every parameter, be it academic, extra-curricular activities or research," opined Dr. T R Paarivendhar, Chancellor, SRM University-AP.

President of SRM University, Dr. P Sathyanarayanan, said that the education system in India is going through a transformation with the newly enacted National Education Policy-2020. SRM University-AP aims to be the vanguard of this transition. After the successful introduction of academics, SRMAP embarks on an even more ambitious challenge of extending its research wings to add value to society. "I am proud to confess that despite being a nascent university, SRM University-AP has created a niche for itself through its research projects funded by the Government of India and reputed industry giants," asserted President Sathyanarayanan, congratulating faculty for their incessant support and guidance to the students. "Above all, I extend my love and appreciation to my dear graduands who are joined here to receive their degrees," added Dr. P. Sathyanarayanan.

Prof V S Rao, Vice-Chancellor of SRM University-AP, mentioned, "Today's convocation ceremony is to acknowledge the merit to those who have been trained, examined and undoubtedly found worthy both in character and in learning." He further implored the graduands not to be content with the initial academic instruction but always to aim high and dream big. "All of our dreams come true if we have the bravery to follow them, if we believe in ourselves and have the courage, commitment, passion, and competitive drive to sacrifice the minor things in life in order to pay the price for the things that are worthwhile," advised Prof V S Rao. The event ended with the presentation of degrees and medals, followed by joyous celebrations.

Community activities- 2021

“Community Engagement is a form of experiential education where learning occurs through a cycle of action and reflection as students seek to achieve real objectives for the community and deeper understanding of skills for themselves. In the process, students link personal and social development with academic and cognitive development. Experience enhances understanding; understanding leads to more effective action.”

- Janet S.Eyler, Vanderbilt University

Community Activities Under Unnat Bharat Abhiyan And Srm School Of Teacher Education And Research

As a part of community engagement, in the month of September, 2021 the second year students of the SRM School of Teacher Education and Research were involved in community activities in villages notably Kolathur and Chettipunniyam. This provided a good opportunity for the students to apply what they have learnt in the ‘real world’, understand problems facing the

community and development of critical thinking skills. The villagers actively directed the students into their villages and were happy to see the students interested in learning about their village.

Students gathered relevant data from the inhabitants to be used for the planning and implementation of community welfare development programmes by the central Government of India. This is a part of the community development undertaking by SRM Institute of Science and Technology along with the Government.

The residents warmly welcomed the students into their home and provided the requested information. Students were pleased by the hospitality. Residents offered water and some even offered food. It served as a novel experience for the students who were used to the city life. Students were motivated by the response from the residents and involved themselves more in learning about the community. Students didn't mind the hot sun and collected all the required details such as name, age, identification, family members, education, work, income, land ownership, home ownership,



agricultural activities, water facilities, sanitary facilities, electricity facilities and any encountered problems.

The students visited the Kolathur middle school and observed the running of the School. The students interacted with the children in the school and were curious to learn about their community. The School visit provided an abundantly useful and memorable experience for the students which cannot be replicated in the classroom. Students also learnt how a school in a rural setting can be very different when compared

to the city schools. Overall, the school visit provided experiential learning, improved critical thinking skills, and reinforced classroom material. Students also learnt how the local culture can influence the education of rural students. Students actively engaged in data collection and worked hard to collect as much data as possible from the residents. Students were happy to contribute their part for the welfare of the community and were very positive and vibrant about their participation. They cheered, encouraged each other and continued their hard work.

They used this opportunity to practice their leadership, problem-solving, collaboration, time management and communication skills. They gained inter-cultural understanding, improved social responsibility and citizenship skills. Many students even talked about working in a rural school after graduation in order to promote the educational opportunities of the community. Students worked with each other as a team along with teachers and other staffs from the SRM Medical College. All members supported and complimented each other.



Pg 1 continued...

SRM Group of Institutions Chairman conferred with Honorary Doctorate

He has been conferred with ‘Dharma Darana’ award by ‘Sudesi, a leading international magazine. SRMIST has bagged various laurels, Awards and recognition under his stewardship. He has addressed numerous Seminars and Conferences and contributed articles on topics relating to Medical care, Education and Hospitality Management.

Dr. Ravi Pachamoothoo has initiated several scholarships for meritorious and economically challenged students to enable their empowerment and progression in life. Books, uniforms and tuition fees are provided to the children from economically weaker sections of the society.

Unnat Bharat Abhiyan : Service to the Government Schools

STAFF WRITER

SRM Institute of Science and Technology, Kattankulathur. Unnat Bharat Abhiyan (UBA) offered Computers, Desk with benches, Chairs and housekeeping materials to the following schools with the help of Unnat Bharat Abhiyan, Nodal Officer and Associate Director Campus Life.

List of Schools:

- Government PUM School- Chettipunniyam – 20 sets of three seated desk with benches and 05 sets of computers delivered on 04.10.2021
- Government High School- Karanaipuducheri – 20 sets of three seated desk with benches, coconut Broom-05, chair-05 and 05 sets of computers delivered on 06.10.2021
- Government High School - Kattankulathur – 20 sets of three seated desk with benches



delivered on 16.12.2021.

- Government Higher Secondary School - Chunambadu – 60

sets of three seated desk with benches delivered on 28.12.2021.

SRMIST Opens Hi-tech Centre for Clinical Trials & Research

STAFF WRITER

SRM Institute of Science and Technology (SRMIST), Kattankulathur through its Faculty of Medical Camp; Health Sciences has set up a 5000 square feet Research Faculty in SRM called the 'Centre for Clinical trials & Research'. This facility is located at SRM Medical College Hospital and Research Centre (SRM MCH&RC). This world-class clinical trial research center is capable of handling clinical trials of drugs, vaccines, and medical devices.

The facility was inaugurated by Pro-Vice Chancellor (Medical & Health Sciences) Lt. Col. Dr. A. Ravikumar, Registrar Dr. S. Ponnusamy, Dean (Medical) Dr. A. Sundaram among others.

The facility has two wards with 12 beds and several rooms for sample collection, processing, data documentation, and monitoring. It has state-of-the-art equipment for preserving serum samples at -80 degrees Celsius and -20 degrees Celsius deep freezers, high-speed centrifuge, facilities for electronic data capture with high-speed internet, thermohygrometers, and data security is maintained with controlled access.

Congratulating the team, Registrar Dr. S. Ponnusamy



Professor of Pharmacology Dr. Satyajit Mohapatra being felicitated by Pro-Vice Chancellor (Medical Health Sciences) Lt.Col. Dr.A. Ravikumar, Registrar Dr. S. Ponnusamy for his contribution for COVAXIN Clinical Trials (Phase 1, 2 and 3) at SRM MCH&RC.

said, "SRM MCH&RC has come 46th position in research and such initiatives will help in increasing the hospital ranking." He then urged students to make use of this world-class center and undertake research activities.

"Research is the most important area that we are concentrating on these days," said Dean (Medical). "Students and faculty can do any types of clinical trials at this centre like the recent COVAXIN trial. Research should be given primary importance."

Lt. Col. Dr. A. Ravikumar in his presidential address said, "It is important to motivate the hidden talents in this Institution.

During the COVID, when we were awarded the clinical trial of COVAXIN, the minimum requirement was for a virology lab. This was met by developing, a world-class lab that was done entirely in-house."

Urging students to overcome the fear he said, "Only when you grow out of fear can you achieve anything in life." Recalling the Pro Chancellor's vision he said, "Research is to be the most important part of an institution."

The SRM Centre for Clinical trials & Research is headed by Professor of Pharmacology Dr. Satyajit Mohapatra, and supported by a team of Investigators



Pro-Vice Chancellor (Medical & Health Sciences) Lt. Col. Dr.A.Ravikumar, Registrar Dr. S.Ponnusamy, Dean (Medical) Dr. A. Sundaram inaugurating the SRM ' Centre for Clinical trials & Research.

Associate Professor, Dr. Melvin George, Associate Professor, Dr. Sangeetha Raja, and also from all branches of medicine (Clinical Pharmacology, General Medicine, General Surgery, Obstetrics & Gynecology, Pediatrics, Cardiology, Pulmonary Medicine, Nephrology, anesthesia and critical medicine, Dermatology). The same team has successfully conducted the COVAXIN Clinical Trials (Phase 1, 2 and 3) at SRM MCH&RC, which was the only hospital in Tamil Nadu chosen for this trial.

In the last ten years, more than 35 sponsored and academic clinical trials have been done in

SRM MCH&RC. Grants have been obtained from various funding agencies such as ICMR, BIRAC, DBT, DHR-ICMR National, and International Pharmaceutical companies such as Sanofi-GSK, Genova Pharmaceuticals to carry out these research activities.

The competency-based MBBS curriculum being followed at present gives the student exposure to Clinical Research in the pre-final year. Students can choose it as an elective subject. Our students get exposure to current Clinical Research and trials in this Centre.

International conclave on cryptocurrency

STAFF WRITER

Fintech Research Lab of College of Management SRM Institute of Science and Technology organized an International Conclave on Cryptocurrency to discuss 'Cryptocurrency: Is the Road ahead murky or Clear?' on Dec. 9 2021. Delegates from Taiwan, UK and India presented the current complexities and opportunities in investing in Crptocurrency. The fears, dilemmas, market positions and proposed policies were discussed elaborately. The benefits of the underlying technology, possible entry of foreign crypto exchanges in third world countries and the potential to generate employment for the talent pool, was also explored. The conclave was well received by Academicians, researchers, crypto enthusiasts and the millennial investors. Some of the experts of the conclave were: David Wu, Chairman of Picology,

Taiwan, an affiliate of Pionex, the world's leading cryptocurrency exchange explained that they are quite willing to expand to other countries by subjecting themselves to the regulatory requirements. He emphasized the strength of blockchain platform as a technology to take care of all concerns about data privacy and information security. Dr. Su-Hua Ou, Associate Professor, CEO of DCFC (Digital Currency and Financial Research Center), Soochow University, Taiwan highlighted the Non-Fungible Token (NFT) initiatives and substantiated the need for a broad-based approach to tokens that may move to Metaverse NFT. Arjun Vijay, Co-Founder & Chief Operating Officer, Giottus Cryptocurrency Exchange, one of the prominent Indian exchanges urged the policy makers to take a broader view of cryptocurrencies with suitable checks and balances in the form of a well conceived regulatory

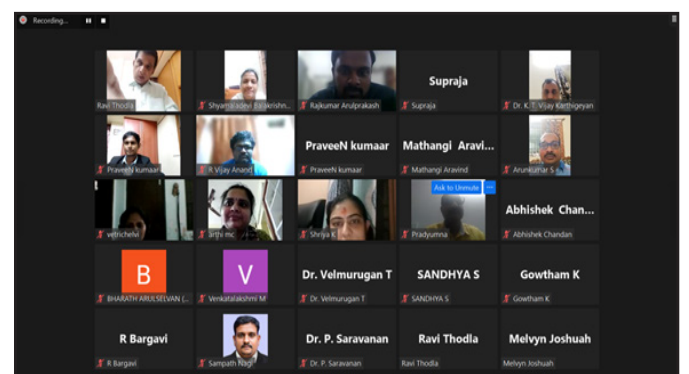
framework. He also expressed the willingness of his exchange to subject itself to all the norms and legal requirements as and when they are enforced. Austin, PM, CEO, EduCentral & Fintech Expert, India justified the strength of the underlying technology that drives cryptocurrency and was quite clear in his view that cryptocurrency has come to stay.

Phani Krishna Pamarthy, Principal Product Engineer, ZF Group, United Kingdom brought out the advantages of the technology to mitigate the misuse of data and also protect the privacy of investors.

Mr. S. Raghava Suresh, Industry Advisor (Banking and Financial Services), Tata Consultancy Services, India explained the salient features of the proposed Central Bank Digital Currencies (CBDC) by the Reserve Bank of India and how this may facilitate the move towards a cashless economy.

Avishek Kundu, Lead Decision Scientist (AI&ML), Ernst & Young, India argued that the possible misuse of technology can be easily controlled by the use of sophisticated technology by citing the example of Robotic Process Automation (RPA). The event was evenly represented by participants from academics and industry, particularly from the banking and financial services domain. There was an enthusiastic participation from students, research scholars and faculty members from various business schools. Dr.

P. Subhashree Natarajan Dean, College of Management, SRMIST welcomed the 103 registered participants, CXOs and resource people; and, underlined the relevance and timing of the event under the current context. Dr. Kavitha Shanmugam, Associate Professor and the Convenor of the event, College of Management, SRMIST gave the compelling data evidences in favour of the cryptocurrency industry. The session was well moderated by Dr. Ravi Thodla, Visiting Professor-Finance.



Three day workshop on developing Rural Communities

STAFF WRITER

A three-day training workshop on “Entrepreneurship Development Training on Dairy Cattle Farming and Digital Marketing for Rural Communities” was jointly conducted by Department of Electronics and Communication Engineering, SRM Institute of Science & Technology and Unnat Bharat Abhiyan in association with State Institute of Rural Development & Panchayat Raj (SIRD & PR) from 24th to 26th November 2021 at Nattarasampattu village. More than 100 villagers participated.

The inaugural was presided by Samuel Inbadurai, Director of SIRD & PR (Chengalpattu district). On 24/11/2021 The training program was organised by Dr.V. Thirumurugan (Associate director of campus life and UBA nodal officer), Dr. T. Deepa (Associate professor, SRMIST), UBA faculty co-ordinators and student co-ordinators along with village panchayat president Vasanthi Sambasivam and Sambasivam, village panchayat secretary Mr. Seetharaman and Nattarasampattu village panchayat ward members.

After the inaugural, Samuel Inbadurai (Director of SIRD & PR) shared his insights on “Dairy Supply Chain Management”. Tamil Nadu Rural Transformation Project (TNRTP)’s district executive officer M. Dinakar Rajkumar spoke on how funding assistance can be provided for cattle and dairy management. Later in the afternoon, Dr. P. Gopu, Assistant professor from PGRIAS (Kattupakkam)

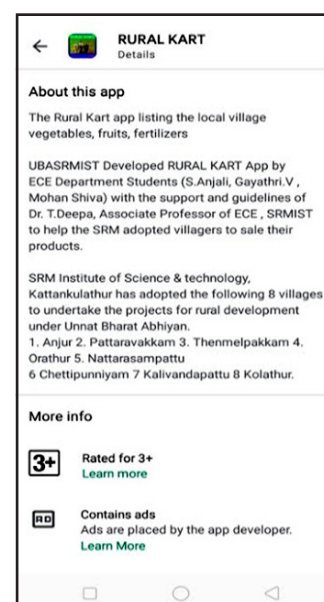
delivered his speech on different dairy cattle breeds available and cattle breeding management. Then, Dr. M. Vimalarani, Associate professor from KVK (Kattupakkam) insisted people on the importance of value-added dairy products and how it can improve the economic sustainability. On the second day of the training workshop, Dr. R. Murugeswari, Associate Professor from Institute of Animal Nutrition (Kattupakkam) trained the people on cattle farming techniques. The process of conversion of animal waste to manure and the various techniques were explained by Dr. V. S. Mynavathi, Assistant Professor from the Institute of Animal Nutrition. She also insisted the benefits of using natural fertilizers and pesticides than the harmful effects of the artificial chemical compounds.

The final day of the training program started with the interaction about importance of finding a good marketing strategy to sell the quality products produced by the villagers. Dr. T. Deepa, Associate Professor from department of ECE, SRMIST explained the people on “what is digital marketing?” and “How to use digital marketing?”. She shared her ideas on the various digital marketing techniques and their benefits. Then she trained people on the “Rural Kart” mobile application developed by the faculty and ECE students of SRMIST. The rural kart application is an entrepreneurship interface between the producers and the customers to sell their quality products. The workshop ended with a valedictory function



presided by the village panchayat president, panchayat secretary and ward members. They thanked the SRMIST, Unnat Bharat Abhiyan and SIRD& PR for providing such a wonderful training program. They also insisted the people to follow the ideas and insights gained from the training and to improve the economic, environmental and social stability of the Nattarasampattu village. Through this training, the village people now know how dairy supply chain management operates and plan their resources accordingly to produce high quality dairy

products and at the same time more profit. Apart from dairy cattle breeding management, training was provided on preparation of value-added dairy products and manure from cattle wastes. Finally, they were trained on using digital marketing techniques to get more profits. With the help of the certificate provided through this training, the village people together can approach to avail the schemes and facilities provided by the government. After this workshop, the people were very eager and determined to improve their livelihood in a better manner.



Blood donation camp by SRMIST

STAFF WRITER

National Service Scheme (NSS) and Red Ribbon Club (RRC) SRM institute of science and technology blood donation camp with The Madras Voluntary Blood bureau, Chennai and Rotary club of Madras Besant Nagar, Chennai. Blood donation is one of the most significant contributions that a person can make towards society.

Blood donation is a service to mankind. The body of a donor can regenerate the blood within few days. It poses no threat to the metabolism of the body. Blood donation is our human duty. Our body does not get affected if we donate blood. The body can repair the loss within a few days. So we must come forward to donate blood as it can make sure the return of a dying man again into the light

of life. 175 donors including UG students, PG students, Research scholars and faculty across different colleges donated blood voluntarily in this camp towards a noble cause.

The camp was inaugurated by Dr. Leenus Jesu Martin, Director Campus life, Dr. Subhashree, Dean, Faculty of Management Studies along with Dr. T. Rajasekaran, NSS program



coordinator, SRMIST and the delegates from Rotary club of Madras Besant Nagar, Chennai with the enthusiastic motivation

and encouragement by the Dr. C. Muthamizhchelvan, Vice chancellor and Dr. S. Ponnusamy, The Registrar, SRMIST.



Urban Flooding – A Man-Made Disaster

MOHAMMED FADIL

Urban flooding is the amassing of rainwater that occurs when the drainage system of a city reaches its capacity. It is a costly affair- India has spent over 4.7 lakh crores in the last century for the reconstruction of damages caused by urban flooding.

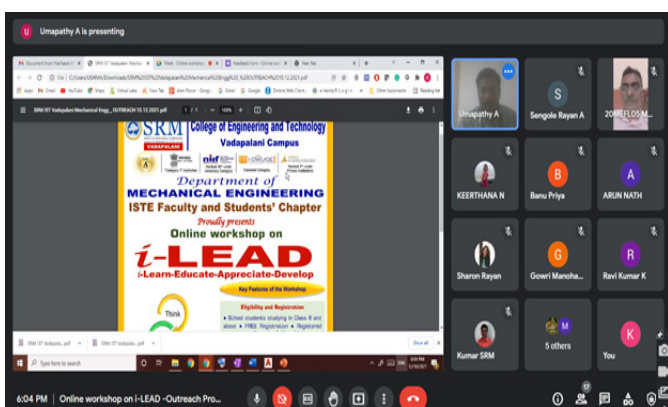
Urban flooding has occurred for as long as development has. There are two factors that come into play when we talk about this disaster- low drainage capacity and clogging. The main victims of urban flooding are people who live in low lying areas. Because of its nature, water flows from regions of higher altitudes to lower altitudes, which makes such regions prone to flooding. Due to increasing demand, construction companies are authorized to construct buildings such as apartments and houses near

areas where the floodwater has to flow, resulting in hindrances. To remove excess floodwater, municipal corporations devise a system in which the water gets collected in large underground reservoirs, or a drainage system. Unfortunately, many cities do not have a proper drainage system in place. Citizens are also a reason for flooding issues. Many people do not use the garbage for waste disposal and instead, throw their waste in rivers and on roadsides. This basically leads to clogging of the drainage system. Many techniques have been found to cope with urban flooding. These include the implementation of sponge cities and green roofs as well as improved flood warning systems. Each and every citizen has to take personal responsibility to make this a successful mission. It is always better to hope for the best but plan for the worst.

Online Workshop on “i-LEAD”

STAFF WRITER

The Department of Mechanical Engineering, SRMIST-Vadapalani campus has organized an Outreach program on i-LEAD (i-LEARN-EDUCATE-APPRECIATE-DEVELOP) on 10.12.2021. This program has been organized for the school students to gain basic knowledge in the concept of Design thinking. Students from various schools of Chennai participated in the event virtually. The Resource person for the workshop was Mr.A.Umapathy (Assistant Professor /Mechanical), who addressed the school students. They were taught with basic commands that can be used in AUOTOCAD designing. The students participated enthusiastically and excited as well.



NEP and the Art of Learning

STAFF WRITER

The latest buzz in the field of education is the introduction of the ‘National education policy - 2020’ by the Govt of India which is expected to be implemented sooner. We wanted to take a deeper look into the NEP.

For a deeper look we needed a meaningful categorisation to probe into the NEP policies. A deeper analysis with the critical lenses. The split up fell in naturally as Schools, College, Adult and Teacher Education policies. Our Students. Easwari and Rashmi shared their takes on the new policies and updates on Adult and College education as enumerated by NEP 2020, respectively. Sasikala’s lecture on the Teacher’s education impacts by NEP 2020 was analyzing the benefits of the changes in curriculum and the integrated teacher training courses and the models introduced in the NEP. Manju elaborated the policy changes and exciting features in the school education part.

A little before that Sathya took us through the lines of history to explain the importance of the National Education day and the story of how the National Education day came into existence. The acquisition of knowledge about the history of National education day and the upcoming Policy changes from NEP 2020 was the integral part of the day that did bind all the celebration and informations together to give the day a real meaning.

“Learning is an art, Art is the most powerful Weapon to persuade the masses”

The In-Line Celebrations: Ask any of us how to include art in teaching and make it a worthwhile, we will show you how it is done in the National education day. Did you know that the beatboxing was the ‘call and respond’ tool of the day? Pranitha - one of our comperes of the programme, the beat-boxing legend elegantly and heroically started the day by welcoming everyone informally but aesthetically. Her tips on ‘You too can Beat-box’ short-class is truly a crowd puller. Then came in the ‘Sindhanai sooravali’ Subha with a mass entry to join hands with Pranitha to co-host the day’s activities. You need at least an extra pair of careful ears to not to miss

the witty intros and comments these two made. The auspicious Tamizhthai vazthu, the graceful welcome speech from Saraswathy and the soothing Bengali song about the national unity by Ria and Madhulitha paved the way for an artistically acclaimed beginning.

We believe that Learning is an art and art is the most powerful weapon to persuade the masses and cultivate the minds. Gayathri’s classical dance portrayed the power of an educated women and how she turns the tables for the benefit of the society through her education.

The group song performances one in English and another one included almost one third of the whole class sung the peppy numbers from Tamil which aimed at providing the ‘You can do it’ mood and sprayed the positivity all around. It was a plain karaoke with the bunch of first timers holding the microphones on their shivering hands but what they did was an out of the world group singing.

We believe that education makes wonders. Tamilnadu is the land of revolutionaries and progressive ideas. We gave the revolutionary Periyar E Ve Ramasamy to the world. One of the E Ve Ra’s ideologies of educating women and making them stronger for the betterment

of the humanity was portrayed in the Skit/Drama named ARUVI. Aruvi though looked like an effortless puller, It involved more than 12 members performing on the stage to deliver the message - “An educated women will change the world for the better”. Surprisingly, the original story was penned by Mrs.Geetha, mother of one of the students Gayathri V. Aruvi is expected to make sequels or even some meaningful prequels in the upcoming celebrations as well. We all loved Aruvi IAS. The sweet word-fights between the comperers Subha and Pranitha and the short beat-boxing workshops by Pranitha to the professors were all awesome. We should thank the efforts of the artists around us who took a lot of effort in decorating the auditorium with their art-works, Ranglois, charts etc., The memories of the department theme song shared by Dr.Bharathi during her feedback was wonderful to hear. Not to miss mentioning the virtual cheers written and Directed by Dr.Diana. The detailed mentions of performance by Dr.Deepika and the accolades for 100% participation in activities pointed out by Dr.Prema turned to be the actual boosters of the day. The Vote of thanks rendered by Ezhil had brought an awesome day to an end.





Champions being champions!

A push towards victory

ANAMIKA TRIPATHI

The sports domain of SRMIST never fails to make their mark irrespective of the level of the competition as proven yet again by SRM men's kabaddi team, who won the state level open tournament by defeating Presidency College with a clear knockout of - 12 / 0. The tournament was organized by Namakkal District Kabaddi Association in Mick Daisan brother's kabaddi club, Namakkal from Oct. 24-30, 2021

Mostly composed of students from first-year/second year BSc/M.Sc in Physical Education, the team was able to bag the

first prize under the leadership and guidance of their coach R. Arivalahan. Not only did the team participate in the State Level Senior Kabaddi Tournament, but also secured their place in the finals by beating Annamalai University with the prodigious score of- 21 / 13.

Unsurprisingly, it's not the first time the men's Kabaddi team has brought home the first prize in their field's championship. The team has, in the past, lifted up the cup in the 68th Tamil Nadu Senior Kabaddi Tournament held in Arani, Vellore. This is indeed an applaudable effort by the team and a truly proud moment for all of SRMIST.

COP26: Unite for our planet

SUMISHA MOHAN

COP26, also known as The UN Climate Change Conference in Glasgow, was a 13-daylong event that saw the massive participation of over 120 world leaders and 40,000 registered participants. The outcome of COP26 was the Glasgow Climate Pact which builds upon the Paris Agreement and outlines measures to accelerate action on the global issue of climate change. It developed through intense negotiations amongst almost 200 countries and constant, in-person engagements spanning two years - since when the event got postponed from 2020 due to the COVID-19 emergency. Amongst the numerous aspects on its agenda, the most notable was that the COP26 addressed the tackling of coal and fossil fuel subsidies - a first for a climate change conference - making it a crucial step towards adopting clean energy resources. Nations vowed to limit emissions in order to contain global warming to 1.5 degrees Celsius. Countries' NDCs—which stands



A step towards a cleaner, brighter future

for Nationally Determined Contributions—shall aim to reduce carbon emissions by 45 per cent to reach net-zero by 2025.

Developed countries reaffirmed their pledge to provide developing countries with US\$100 billion as climate finance. At the heart of all progressive action are the people; panels featuring influential climate activists from all over the world emphasized the importance of diverse sections of society taking collective action to combat climate change. Emma

Watson, Greta Thunberg, Vanessa Nakate, Malala Yousafzai, Tori Tsui, Viviam Villafañá, Daphne Frias, Mya-Rose Craig, and Dominique Palmer together agreed that collective, coalition-led leadership is most conducive to the intersectional thinking that the climate challenge demands.

The pressing issue of climate change is slowly permeating mass consciousness that is imperative to drive any constructive social change. The COP26 was one stride forward in this long journey ahead!

SRM achiever's connect, 2021

SUVAM NAYAK

The Directorate of Alumni Affairs, SRM Institute of Science and Technology and SRM University - AP organized the 8th edition of SRM Achiever's Connect (SAC) from Nov. 20-22, 2021. It was a three-day flagship event consisting of esteemed chief guests who are SRM alumni, and a high number of participants.

The first day of the three-day flagship event kicked with Dr A. Rathinam, Director, Directorate of Alumni Affairs, SRMIST warmly welcomed all participants and introduced the esteemed alumni, Sai Vineeth, a software engineer at Samba

Nova Systems and Mr Sarvagya Tripathi, co-founder of Miyuki Technologies. They talked about making their years of engineering memorable and combining knowledge and experience to achieve the best professional result.

Day two commenced with an introduction of the speakers for the day: Abhishek Choudhary, a full-stack engineer at Microsoft and Vishvendra Singh Rathore, a clean code enthusiast at Google. Choudhary gave a well-rounded talk about the ubiquitous excitement surrounding a fresher's life at SRM. Rathore elaborated on his internship experiences, focusing on his stint at Amazon.

The three day programme concluded with three founders of WittyFeed and SRM alumni focusing on the networking element of college life, and how it helped them build their company. They elaborated on the importance of human connections, and how they help one excel in life. Overall, this edition was a large pot of knowledge for every student aiming to achieve the most out of their college experience and lay a solid foundation to form the best career.



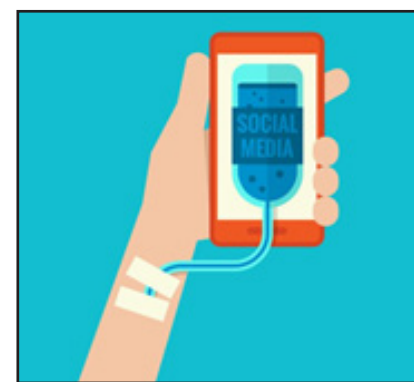
The successful line-up of speakers for the event

Is Empty Scrolling the New Smoking?

KIRAN LOTEY

Concerns stemming from social media are numerous now, and empty scrolling is just another addition. Empty scrolling or "doomscrolling" primarily refers to scrolling social media sites for hours without motive or conscience. One does not know what the actual reason is, behind scrolling for hours. By the time the realisation occurs, it has already been plenty of hours.

Empty scrolling can be compared to smoking. Similar to how smoking is injurious to one's physical health, empty scrolling is harmful to their mental, social and emotional health. It also does not feed our brains with the dopamine spike, as explained by psychologist Joshua Ehrlich. "It is really an addiction, and we're wired for this, the same brain pathways get stimulated as they do in a chemical addiction," he says. We have now entered a dangerous new era where the exchange of ideas and perspectives has diminished. Social media is keeping us inside bubbles of scrolling and out of touch with humanity. Just how smoking causes harm to not only you but also the people around you, empty scrolling affects society as a whole, since people tend to be more



Empty scrolling has the same effect as 15 cigarettes a day

empty-minded in their exchanges. Most of the energy is dampened in scrolling for endless hours, leading to a lack of communication and interaction.

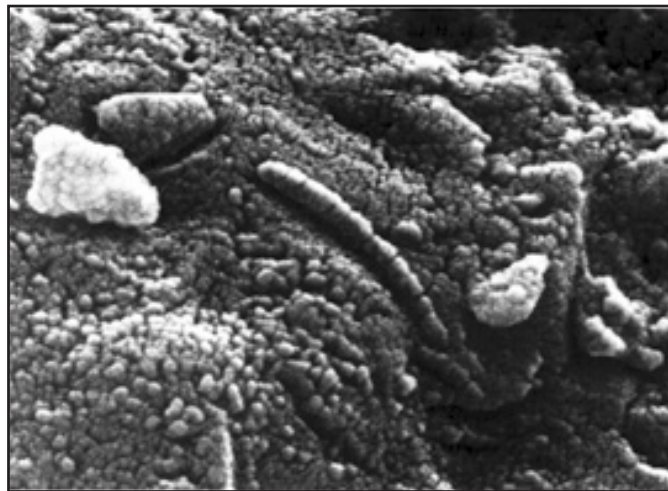
While there are certain ways to realize when a person is falling prey to empty scrolling, it is very difficult to consciously implement these ways. Hence, youngsters and teenagers are falling into the trap laid by social media platforms. Artificial intelligence and algorithms are diligently put into clever use and man is programmed to stick to it. We need to be more discreet about our decisions and more conscious of our surroundings. Social media is to be used as a tool. However, man is becoming a tool for the tool.

Life beyond Earth : The Search for Extra-terrestrial Life

ANAGHA SUNIL

Are we alone in the universe? This question has fueled the imagination of mankind for centuries. When we look up at the night sky, are we looking at civilizations that are millions of light-years away, or are we truly alone? Is life on Earth a bizarre cosmic rarity, or is it a repeating feature in our universe?

The possibility of extra-terrestrial life has had a tremendous impact on our culture. From bestselling novels, comic books, and films to scientific interest, the possibility of extra-terrestrial life is a source of intrigue. Movies like “The Predator”, “Independence Day” portray them as warmongering overloads determined to wipe out humanity, whereas “Superman” presented the beloved alien from Krypton as humanity’s saviour and a beacon of hope. Since the mid-20th century, research has been conducted to search for extra-terrestrial life. Some examples are the Viking Mars landers project, the Breakthrough Listen project, and Operation SETI. In our solar system, the



E.M. of Martian-meteorite ALH84001: some scientists believe the structures to be fossilized microbes.

planets: Mercury and Mars and the moons: Europa, Ceres, Enceladus and Titan are speculated to have conditions that might have supported or still may support life. A popular theory states that life did not originate on Earth but was brought to Earth by an asteroid millions of years ago. Scientists like Stephen Hawking, Fred Hoyle and Chandra Wickremasinghe believe that it would be improbable for life to not exist beyond Earth. Then why, despite our numerous endeavours, including searches

inside and outside our galaxy, scouring for radio signals and sending out messages, have we never come across any extra-terrestrial life?. There are multiple answers to this question, ranging from logical to bizarre; Theories range from inadequate technology to Earth and its life forms existing as part of an intergalactic experimental setup or even multiple dimensions. As technology advances and we explore more uncharted areas of our universe, we may soon find out.

Journey of a Snowflake

UTTARA PHATAK

My life is uncertain as long as I pertain. Even though I am rare, I make sure that there is always a variety in the shape that I wear. With the ice as my shield and pollen in my heart, I explore the cold places until only a certain part.

Up in the clouds, where there is only cold, I gather all my water fractions together around my heart. As the forces of this physical world help me, I form my hexagonal skeleton. My parent clouds feed me with water droplets and enthusiasm for becoming an enchanting entity. Once my personality gains enough weight, I jump off to take a flight full of expectations.

As I fall down I figure out that I am not alone, who was born to grow unique. I realize how turbulent the flow of life is. The little suspended water pearls against my fall hurt a lot, but I add them over and over to decorate myself. The new pearls begin to crystallize over my skeleton and I look

feathery as they increase their area of spread. Time passes by and I grow.

I grow up and I become more fragile than before, beginning to see a soft and snowy bed to rest on. Tired of the fall, I get ready to embrace my end. Mother nature blows me away, to a spot where I have to just wait for my final moment, longing for someone to compliment my beauty.



*We are like a
SNOWFLAKE,
all different in our
own beautiful way.*

*An entity so delicate,
a Snowflake*



SRMIST's tug-of-war team (left) and basketball team (right) emerged victors in national-level events

SRMIST's Sportswomen are on a Winning Streak!

ANAHITA GUPTA

Building on the growing list of achievements, two women teams from SRMIST – Basketball and Tug of War- emerged winners in national level events held recently. The basketball team, coached by K.Natraj, has won the Indian National Basketball League 3-on-3 open tournament. The event, organized by the Basketball Federation of India, was held on the Nov. 19-20, 2021 in Bangalore. With an astounding win ratio of 100 per cent over six games, the team - better known as the “Ballers”- brought home the trophy by securing first place with fifty-nine points. In parallel, the women's team of SRM represented Tamil Nadu in

the 34th Senior Nationals Tug of War Championship and secured a bronze medal. The championship was held at Mata Mandir Grounds, Palghar, Maharashtra between the Nov. 19-20, 2021. The basketball team includes Priyanka. P (II Year BA), Parthiba Priya. J (II Year MBA) and Rajeshwari .S (I Year MSc). The Tug of war team comprised of K. Mathumitha (I Year M.Sc), Kiruthika G.V (I Year MBA), Merin Sajan (I Year MBA), Reny Richard (I Year MBA), Nivetha S (III Year B.Sc), Trupti Laware (II Year B.Sc), Narmada (III Year B.Sc), Suveena. P (III Year B.Sc), and R.Nivetha (III Year B.Sc). The teams were lit with pride to have brought victory and joy to the institution.

Two-Day online hands-on training on MIT-MEEP

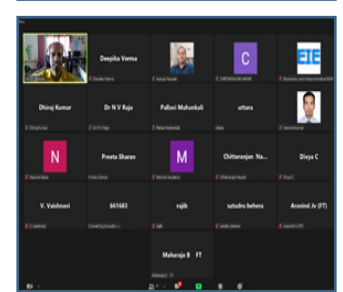
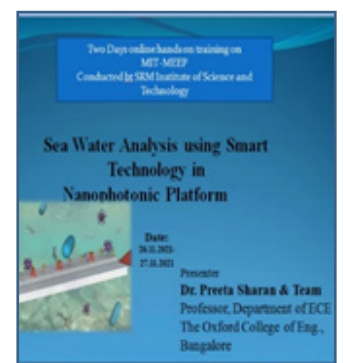
STAFF WRITER

The department of ECE in association with SRM optica conducted two-day honour on MIT-MEEP on 26th Nov., 2021. The hands on training introduced researchers in the photonics and optics community to setting up and launching electromagnetic simulations using the state-of-the-art finite-difference time-domain (FDTD) software package.

Started Day 1 session with Mettina Vice-President of SRM OPTICA student chapter to welcomed all participants and then she called Dr. Manohari, Assistant Professor, Dept. of ECE, SRM IST, to talk about OPTICA and chapter activities after that Dr. R. Kumar addressed about the importance of MIT-MEEP and how it will be useful for research activities. Later host called the Chief Guest of the hands-on training session Dr. Preeta Sharan.

Dr. Preeta Sharan, Professor, Dept. of ECE, The oxford college of Engineering, Bengaluru. explained about “Application of photonic crystal for biosensor design” with case study named Sea Water Analysis using Smart Technology in Nanophotonic Platform. Lab session started with Vaishnavi, explained the commands in Linux after that she explained design of ring resonator and its plots. At the end Anup M Upadhaya and Vaishnavi clarified all doubts raised by participants.

Hands-on lab session started with Ranjith B, explained about introduction to MEEP tool in Linux platform and also practically implemented different waveguide structures. Finally, he addressed the participants queries. The event concluded with vote of thanks by the SRM OPTICA student chapter member and specially mentioned thanks to participants, organizing committee members.



South zone inter university Tennis Tournmennt 2021 hosted by SRMIST

STAFF WRITER

SRM Institute of Science and Technology organized South Zone Inter University Tennis Women Tournament 2021 - 2022 from Jan 05 – 08, 2022 with Association of Indian Universities (AIU). Dr.Lt. Col.A. Ravikumar, Pro Vice Chancellor (Medical), SRM IST was Presided the function and Prof. Dr. E. Poovammal, Associate Director (CL Hostel), SRM IST was the Guest of Honor. About 40 Universities participated in the tournament. First Four positions are Qualified for the National Inter University Tennis Women Tournament 2021-2022 which is to be held at DCRM, Sonipat, Haryana. In the month of February 2022.

SRM NCC Naval Troop inaugurated on Navy Day

STAFF WRITER

The SRM NCC Naval Troop was inaugurated at SRM Institute of Science and Technology (SRMIST), Kattankulathur as part of the 'Azadi Ka Amrit Mahotsava' observed nationwide to commemorate the 75th Year of Independence and Navy Day. Organised by NCC Dte (TN P Camp) in association with SRMIST. The inauguration was done by Group Commander Gp. Capt. T. Arunachalam in the presence of Officer Commanding Lt. Cdr. Lalith Kumar CR, SRMIST's Vice Chancellor Dr. C. Muthamizhchelvan, and Registrar Dr. S. Ponnusamy. As part of the National Navy Day celebration a Boat Pulling Regatta for the 4 (TN) Naval Tech Unit NCC was held. About seven teams took part in this contest which was flagged off by Gp. Capt. T. Arunachalam. This was part of the nationwide event that is being held in 75 locations



in the country. In his address, Gp. Capt. T. Arunachalam said, "Navy Day is celebrated each year to remember the valor and courage shown by the Navy in 1971 war." He also wished SRMIST for opening the NCC

Navel wing in the Institution and offered his support where was possible.

The annual report was read out by ANO/ Army Lt. P. Jekan and the vote of thanks was presented

by CTO/ Navy Dr. Sakthi Prasath. The winners of the boat pulling regatta Team Vishal and Team Vikramaditya were awarded medals and felicitated by Gp Capt T. Arunachalam and Dr. C. Muthamizhchelvan.

Awareness Cycle Rally on Single-Use Plastic



STAFF WRITER

On Dec.18, 2021 Unnat Bharat Abhiyan of SRM University and Maraimalai Nagar Municipality together organized a one-time use plastic awareness bicycle rally event. The rally was flagged off by Mrs. Lakshmi, Municipal Commissioner, Maraimalai Nagar and gave a special address to the participants.

The event was felicitated by

Dr. Leenus Martin, Director campus life, SRMIST

The rally was presided by Dr. V.Thirumurugan, Associate Director, Campus Life, SRMIST. It was attended by university students, Faculties and government middle school students, headmaster and teachers. The bicycle rally started from the SRM college campus and proceeded to the adopted village of Kalivandapattu (about 35 km) and returned to

the university campus to raise awareness about the dangers of using plastic (one time use plastic carry bags). A pledge was taken not to use plastics. Certificates were presented to all the students who participated in the event by Dr. Thirumurugan, Associate Director Campus. The event was coordinated by Dr. Supraja Associate Professor, Dr.Rajkumar Assistant Professor, and Mr. Pradeep, Assistant Professor, Civil, SRMIST.



Omicron: What is Known

PRIYANKA SRINIVAS

A new fear has gripped the crowd with the spread of a new COVID variant. Hailed as extremely dangerous when it premiered, it has been studied a little more over a period of one month named Omicron, this variant has now seeped into all the corners of the world. But one can be the safest when the most aware. Hence, it is essential to learn about the nature of the new variant and its impact.

Omicron was discovered on November 23rd, 2021, and was immediately labelled a threat because of its large number of mutations, which are immunity avoidant. It was also related to a recent increase in COVID patients in the Gauteng province of South Africa. These two elements drew the attention of international medical bodies. More than 30 changes have been found in the variant's spike protein, which is the virus's key to unlocking and infecting human cells. This is more than double the number found in Delta. Concerns have been expressed that the antibodies from past vaccinations may no



Lockdowns may resurface due to the widespread Omicron

...only precaution and prevention will help the people.

longer be adequately matched due to this variance. Scientists predict that the virus will be more likely to infect persons who have immunity to earlier strains based only on the list of alterations.

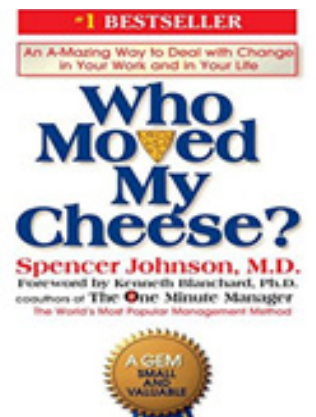
Many things about the current state of the variant are unclear, such as the effect of current vaccines or previously prescribed drugs or the severity of symptoms caused due to the virus.

Now that the variant has spread from Africa to Asia and America, many teams of scientists are involved in unearthing its secrets. From observation alone, it is evident that Omicron is extremely quick in spreading, but its symptoms are equivalent to or milder than those of Delta and COVID. In such a case of uncertainty, only precaution and prevention will help the people stay safe.

Who Moved My Cheese-Book Review

SHREYAS VADREWU

For most, the self-help genre seems excessively verbose and esoteric, with such books remaining in pristine condition in a remote section of our household libraries. Indeed, for all of its purported sagacity, we just cannot get ourselves to read it. Enter Dr. Spencer Johnson's 1998 bestseller titled 'Who Moved My Cheese'. His book has been credited with saving careers, marriages, and even lives with its timeless wisdom. 'Who Moved My Cheese' is a succinct parable about change, and how our response to it can be the difference between a rewarding life and a desultory one. It revolves around four characters, two mice and two 'little people', who spend their days combing through a gargantuan maze looking for 'Cheese'. The cheese is a metaphor for our aspirations; a promotion at work, robust relationships, wealth, or even fame. The maze represents how we work towards achieving those things. The story begins with both groups having discovered a substantial amount of cheese. The mice, Sniff and Scurry, are unassuming people who constantly



Who Moved My Cheese by Spencer Johnson

scour the maze for 'New Cheese' when the time came for it. The little people- Hem and Haw- however, allow complacency to set in after discovering the enormous haul of cheese. As the cheese inevitably "vanishes", the mice adjust and begin to acclimatize to the change, while Hem and Haw are in disbelief over this unwelcome disruption. While the latter goes on to see the folly of his ways, Hem is unable to adapt to this change in his routine. 'Who Moved My Cheese' is a riveting read that does not detract from its fundamental premise. It is indubitably an essential reading for young students aiming to adapt to change in their lives.

Taxation in India

SHREYA ANAND
BHAGWATWAR

Taxes are a nightmare that everyone wants to evade. Will Rogers once said, "The difference between death and taxes is death doesn't get worse every time Congress meets." In total, there are two main institutions that can levy taxes: the state and the central government, by the authority of the Constitution of India, Article 265.

There are various types of taxes that were supposed to be paid by the public, such as the service tax, value added tax, excise duty etc. Our tax

system was based on a system where the taxes were levied under different titles at the manufacturing level. They were also different for different states. This process gave rise to an increased level of corruption and tax evasion. But the new system which started from 2017 brought all indirect taxes under one nationwide tax when a consumer buys the good or service. The new system ensures that the taxes are levied at the end of the sale. The goods and service tax, GST, is limited to the 18% range as opposed to the previous tax systems.

But there are exceptions. Goods such as petrol, electricity, and liquor are not taxable under GST. Some taxes are levied by the state government and some by the center. Taxation is a subject that is dynamic and is essential for the growth of the country. It is the income of the government for its expenses and the development of the country.



(C-GST, S-GST and I-GST are the types of GSTs in which the tax payers have to divide the tax)

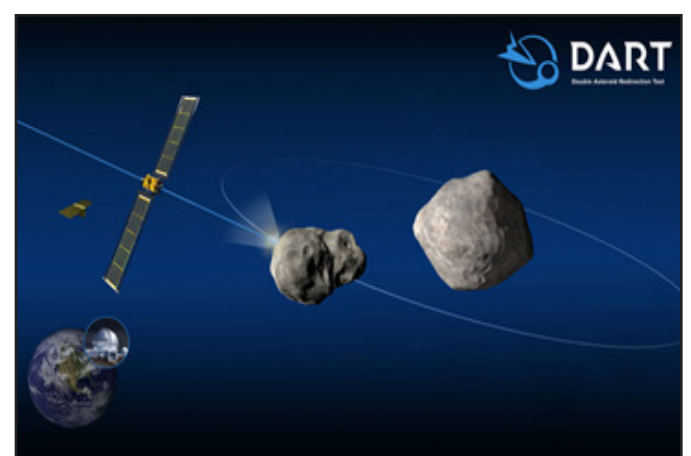
The Bullseye Humanity Cannot Miss

RAMAY RAJ SINGH

Heavens – if you come across someone using it, you might find them looking up while stating about it, up towards the skies, into the vast, vibrant void which is space. But as hollow our neighbourhood may seem, it packs quite interesting, nonpareil behemoths, visits of which don't usually end well for the host.

You see, we have been stupendously lucky, for the lack of a better word. The odds of a species being given enough time to evolve and thrive on a planet, in the vicinity of which lie hundreds of thousands of "cosmic bullets", is astoundingly low. Yet here we are. Humanity has been given a one in an infinite chance to go down this path.

But odds are just those, and the unpalatable could materialise, possibly without warning. With time and effort, we've learned to conquer threats from the inside,



Graphical representation of the DART mission (NASA)

like tsunamis, earthquakes, volcanic eruptions, and whatnot. But we're not, by any stretch of the imagination, ready to even put up a fight against an unwelcomed foreign aggressor, i.e., asteroids.

Double Asteroid Redirection Test (DART) mission by NASA is the first-ever in the line of missions targeted towards countering the asteroid threat. We have made our first steps towards it, though. The DART

spacecraft is to come in contact with an asteroid and is supposed to alter its trajectory. Although the target asteroid's trajectory showed no signs of collision with earth, this mission will pave the path for further exploration into the concept as to if and when the need arises.

Ruminate; what do you think? Will we ever need to use one, do we still stand a chance at hitting the mark, or are we too late?

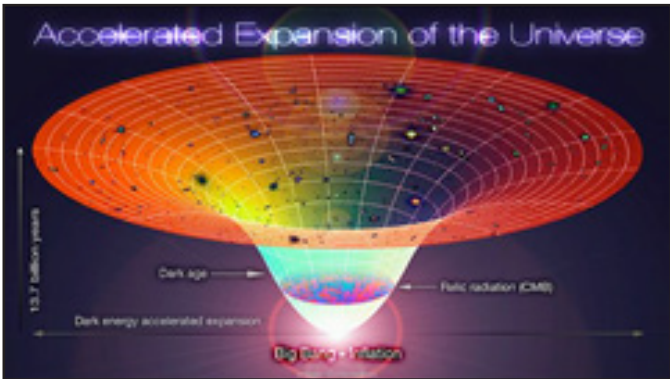
How Fast is our Universe Accelerating?

SHASHANK IYENGAR

A important question that arises in the field of cosmology is: how fast is the universe expanding? Edwin Hubble tried to calculate this back in the early 20th century, and we've been able to refine the answer a lot since then. It turns out that more distant objects are indeed receding away from our sight, described by the unit "velocity per distance."

When the distance is doubled, the velocity doubles too. This number in astronomy is referred to as the Hubble Constant. It's around 70 kilometres per second per megaparsec. For comparison, the Andromeda Galaxy is around 1 Mpc away from us. In a freely expanding universe, an object 1 Mpc away will recede from us at 70 km/sec and an object 20 Mpc away will recede at 1400 km/sec, and so on. In 1912, Vesto Slipher

discovered that light from remote galaxies was redshifted, which basically refers to an increase in the wavelength with a decrease in the frequency. Eventually, this was interpreted as galaxies receding from the Earth. A decade later, Alexander Friedmann used Einstein's field equations to prove that the universe is expanding. In 1927, theoretical physicist Georges Lemaître reached a conclusion similar to Friedmann and presented observational evidence for a linear relationship between distance to galaxies and their recessional velocity as well. A consequence of the expansion of the universe is the "heat death of the universe". Mass density would decrease with dark energy being constant which may cause all the matter to ionise into stable entities like electrons and neutrinos, with all the complex structures including us perishing away.



The universe has been expanding since the Big Bang, and will continue to do so.

Limits of the Known

ANSH JAIN

The human thirst for knowledge and our inherent curiosity has led us to create a multitude of things - from beautiful art to magnificent machinery over a short span of time. There are times in life when one goes into a trance like state, a jumbled mess of intense thought and meandering intention. But even stranded amidst this inner turmoil, humans are still constantly in action, raising this question-Can humans ever truly run out of things to do?

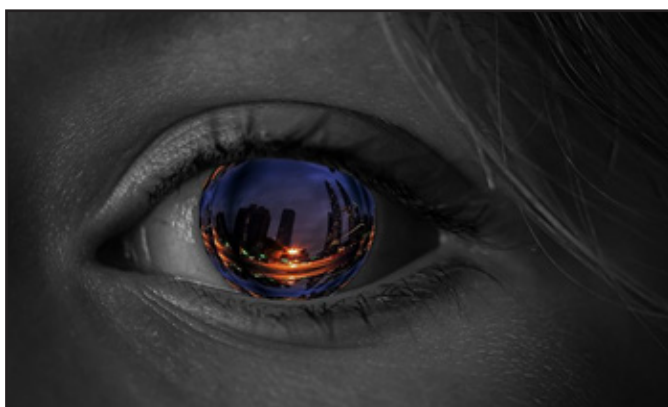
Recently, silicon companies achieved 5nm technology, a gap so low that the latency in those chips is nearly nothing. One would think that this is where our inventiveness comes to a standstill. But there are always talented minds on this earth who keep creating. There has been an increase in the number of complaints of songs becoming 'industrialized' and 'modern art' becoming a mere façade for the rich to launder money and evade taxes. It sometimes feels like there isn't much left to invent anew. And yet, despite these odds, our species create, and they do it simply because they can and desire to do so.

Whether it is scientists

working on quantum computing, questioning the limits set, artists who create art that captivates and gives flight to the mind or musicians who render heartfelt songs with genuine emotion; Humans are constantly developing. Although the number of notes in a musician's hands is limited, the combinations that exist with

it are endless. The speed of light is a barrier that we cannot cross, but we still have a long way to go before reaching it. Humans are curious creatures, and that keeps us longing for more to explore, create, and experience. As our history has witnessed, there are no limits to how far we are willing to go in our quest for answers.

The speed of light is a barrier that we cannot cross, but we still have a long way to go before reaching it.



Literature may be classified into genres but the influence it has on someone is boundless.

Operations confab 2021

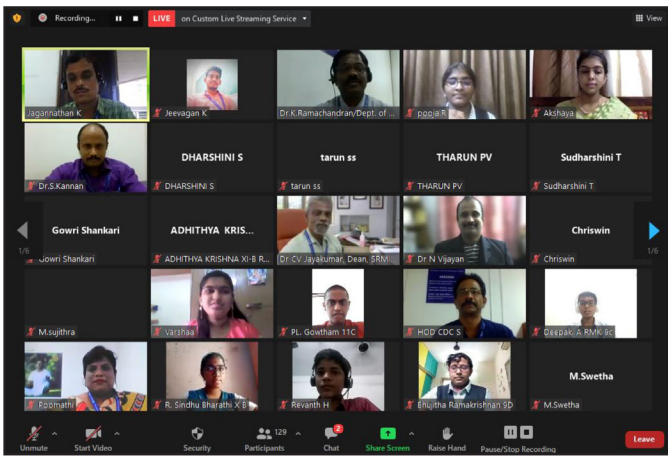
STAFF WRITER

The Department of Management Studies SRMIST VDP, has organized a Sustainable Management themed Operations Confab under the UN SD Goals 2030 for all the 2nd Year MBA students. The speaker of the Day – 1 (01.12.2021) was Mr. Siddharth Pal, Assistant Director, NPC, (Govt. of India) was welcomed by Dr Vimalnath V, DoMS, SRMIST, Vadapalani. The speaker elucidated on the area of Lean Manufacturing Systems, its applications and future scope under UN – Sustainable Development Goals 2030 No. 12 – "Sustainable consumption and production patterns". He majorly focused on TPS (Toyota Production System) with its basic key points. He explained in detail about Muda, Mura and Muri concepts and how we can eliminate the deadly unwanted wastages during manufacturing in the industries. Mostly he focused on the area of reducing the wastages that are generated during production or manufacturing. Finally he brushed upon various pillars that are responsible for lean manufacturing and the tools that are generally used in the industry like Lean5S, Jidoka, JIT etc. The speaker for the Day – 2 (02.12.2021) was Mr. Sathish Narayanan, Principal Consultant, CHOOLS Group. He explored the area of Digital Transformation, Data Science, its applications and future scope under UN – Sustainable Development Goals 2030 No. 9 – "Resilient Infrastructure, industrialization and foster innovation". He focused on various Digital Transformation Strategies that are actually present in our everyday life. Few real-world projects and examples in the field of digital transformation and data science were also explained. He explained a project given by Grofer's company to identify where all they can open their shops in Chennai city through the data collected from the corporation department. He said that the technology grows in steps like, Start Up, Step Up, Stretch Up and Leap Up. He insisted that on following these methods a company or the CEO can improve their technology to the next level. And he shared about their company's recent analysis on Virat Kohli's batting style. Finally, he said that Data, Design and Digital are the 3D that is going

... a healthy Supply Chain network that enables them to produce more products based on customers preferences and demands.

to be the future of technology in the upcoming years.

Mr. Laxman Subramanian, Senior Manager, Apple USA, was the speaker of Day – 3 (03.12.2021). He covered the area of Supply Chain Technology in Apple and its scope in the future as under UN – Sustainable Development Goals 2030 No. 9 – "Resilient Infrastructure, industrialization and foster innovation". He started the presentation by explaining about various software companies like Facebook, Apple, Tesla, Google, Microsoft, Netflix and many more. He explained in depth about MRP (Material Requirement Planning) and various parts of it and how it works and plays a vital role in the Supply Chain. He also explained about the role of Demand Program Manager, Factory Capacity Manager, Supply Program Manager. He insisted on the people coordinating within themselves and maintaining a healthy Supply Chain network that enables them to produce more products based on customers preferences and demands. He explained with the example of Apple company. According to that company, customers are always given the first priority. Before a product reaches the customers hand it goes through 4 to 5 iterations of testing within the company and its employees then only it gets ready to go to the market. He concluded his session with a Tamil thirukural "Vinaivaliyum Thanvaliyum Maatranvaliyum Thunaivaliyum Thukkichayal" which means the SWOT analysis. So he stressed to know the strengths, understand the competitor and find out the opportunities in the market and then to proceed with the idea.



PEW research center-text messaging most common activity on mobile phones.

Exhibition of Talents - 2021

STAFF WRITER

The EXOT- 2021 (Exhibition of Talents -2021), a special programme for school students was organized by the Department of Physics, SRM IST, Vadapalani campus in association with Indian Science Congress Association (ISCA), Chennai chapter on 19th November 2021 through virtual mode. Nearly 180 students from 13 schools in and around Chennai, Vellore and Trichy participated and showcased their talents through project exhibition, speech and quiz competitions.

The inaugural function was held through the zoom platform. Dr.K.Jagannathan, HoD/Physics and Convener of EXOT- 2021 welcomed the gathering and

presented the overview of the event. Dr.C.V.Jeyakumar, Dean (CET) presided over the function. In his presidential address, he encouraged the young minds by mentioning the achievements made by Indian scientists. Prof.S.V.Kasim Raja, Convenor, ISCA, Chennai Chapter, shared his research experience and explained the development of science from ancient to modern times. The Chief Guest Dr.N. Vijayan, enlightened the minds of young students with his scientific knowledge and also motivated students to work in the field of research and development. The programme came to an end with the vote of thanks by Dr.K.Ramachandran, AP/ Physics, SRM IST-VDP.



“Learn C and become expert in 33 hours”

STAFF WRITER

“Learn C and become expert in 33 hours” was a workshop on C programming conducted by DCSE - VDP campus from 06/12/2021 to 21/12/2021 which covered an entire concept of the programming language. It was a short term course yet, it was a highly beneficiary workshop. This workshop aimed for the I year Computer Science Department Students. The workshop was really interactive with hands-on practice and assignment. Overall the workshop was totally useful. The students learned a lot in a comfortable environment. The workshop was coordinated by Dr.V.Rajasekar.

Has texting made our life easier?

LAKSHMI VIBHA

The written word has always been the one of the most preferred modes of communication. Throughout the years, we have transitioned from long hand-written letters to condensed text messages. The earliest texting was done using a numeric keyboard and was limited to people having the same network. Humanity has come far since then. Texting really took off at the start of the millennium, when intra-network texting was enabled.

The reasons for popularity of texting can be attributed to its speed and an open rate of 99%. Texting has a 97% open rate of being read in the first 15 minutes after being sent. Even though these stand to be the majority reasons, there are other benefits to texting. Millennials prefer communication channels which aren't intrusive and interrupting. Texting gives the

	Colombia	India	Jordan	Kenya	Lebanon	Mexico	Philippines	South Africa	Tunisia	Venezuela	Vietnam
SENDING											
Send text messages	69%	42%	80%	85%	82%	85%	93%	84%	54%	94%	72%
Take pictures or video	76	45	74	59	82	78	65	71	51	69	68
Post pictures or videos to social media	51	28	61	28	67	46	49	45	37	47	49
Post their thoughts on social media	41	21	26	25	39	37	40	38	27	44	40
INFORMATION-SEEKING											
Look up information about health and medicine	66	28	70	42	61	70	68	49	54	68	59
Learn something important for work or school	61	27	59	56	52	75	69	62	51	61	47
Look up information about government services	30	28	39	37	27	42	54	40	25	49	27
Get news and information about politics	45	28	55	48	51	51	51	40	31	47	35
COMMERCIAL											
Look for or apply for a job	39	20	29	45	25	49	49	44	21	50	28
Buy or sell goods	24	10	29	45	37	32	36	24	30	35	39

PEW research center-text messaging most common activity on mobile phones.

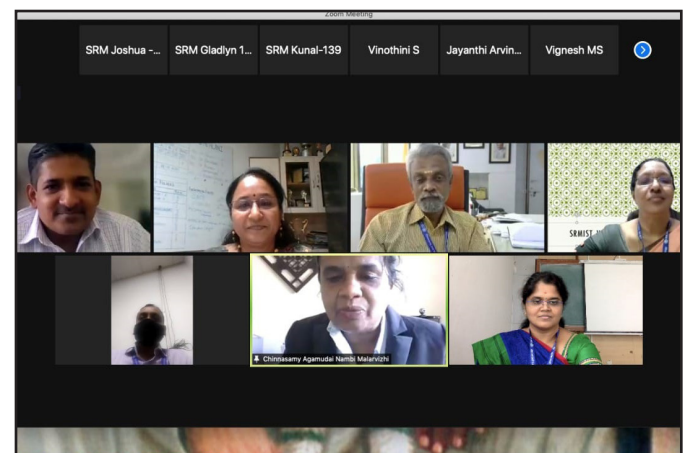
receiver the option to respond flexibly which helps maintain the fast paced schedule everyone has. It provides us with an easy option to maintain our network or social circles while staying in our comfort zone. The nature of work in business requires communication that has flexible timing, is not disruptive and is highly secure. Texting checks all of these boxes. Texting allows people to properly formulate responses, which during calls or in real life usually leads to

awkward gaps in conversations. Advertising is another industry that takes advantage of texting. People now prefer texting over all other forms of communication. Advertising through texting has proved to be widely received as compared to emails or calls. Research also says that 48% of people prefer receiving updates or information through texts. Thus, it is evident that texting has become the preferred communication of this new age and intends to stay so.

Webinar on Digital Transformation and Value Creation

STAFF WRITER

The webinar “Digital Transformation and Value Creation” was conducted by the Department of Management, SRMIST, Vadapalani Studies (DoMS) on 01-Dec-2021. The two speakers, Prof. C. Praseeda from DoMS, SRMIST, India and TS.PROF.Dr. Saravanan Muthiah from FOM, MMU, Malaysia shared their valuable thoughts and insights on the subject in the presence of the Deans, VPs, Faculty members, Research scholars and students participating from both Institutions. This Webinar successfully marks



the first, in the line of many collaborative events that will be executed in the near future. And the overwhelming moment of this

webinar was the Memorandum of Understanding, which was signed between SRM and MMU-Malaysia.

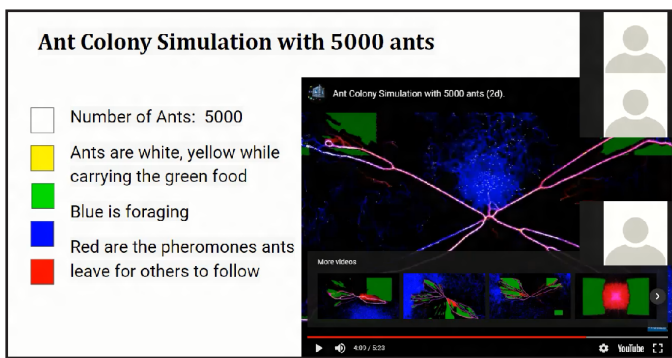
SRM outreach skill building Photoshop workshop-21

STAFF WRITER

DCSE-VDP Campus conducted an online three days' hands-on outreach workshop on Photoshop on 9th, 10th, 11th December 2021 for 8th & 11th Grade students of KRM Public School Chennai, S.B.O.A Matriculation

higher sec. school Chennai, The Schram Academy Chennai, Bhavans Rajaji Vidyashram Chennai. It was an engaging and informative session handled by Sriram R.M, a final year CSE student from the VDP campus. The session covered all aspects from basics to the intermediate level as the students were acquiring greater knowledge in designing and also had good amount of fun while learning interesting photoshop tools and how to use them for designing a poster in an advertising aspect. After the completion of the first day of the workshop all the

registered participants were asked to design a Christmas wishes card and Thanksgiving cards. It was very surprising that most of the designs from the participants were stunning as most of the participants had no prior experience in photoshop. This amazing 3-day event ended with gaining knowledge in designing and with the happiness of delivering an informative session to the participants. The event was coordinated by CSE Outreach coordinator Ms.Indumathi along with Ms.Steffina & Ms.Punitha from DCSE.



Online Two-week STTP on Research Opportunities in Artificial Intelligence and Machine Learning in Image Processing and Analysis

STAFF WRITER

As an effort to make faculty members aware of research opportunities and current trends in AI and ML in Image Processing two-week STTP on Research Opportunities in Artificial Intelligence and Machine Learning in Image Processing and Analysis, organized by DCSE, SRMIST Vadapalani Campus in collaboration with IET – Chennai Local Network from 29.11.21 to 10.12.2021. This STTP was jointly organized by Dr. P. Mohamed Fathimal, DCSE & CSE Department IET Coordinator Dr. J. Arun Nehru.

The following were the resource persons for various sessions.

1. Dr. S. Anbazhagan Department of Electrical Engg, Annamalai University
2. Dr. Arockia Jansi Rani Director Online Courses, DCSE, Manonmaniam Sundaranar University.

3. Dr. C. N. Subalalitha, Department of Computing Technologies, SRM IST, KTR, Chennai.
4. Dr. K. Vaidehi, DCSE, Stanley College of Engineering and Technology for Women, Hyderabad.
5. Dr. L. Rama Parvathy Program Director, Institute of AI & Data Science, Saveetha School of Engineering, SIMATS, Chennai.
6. Dr. Manish T. I., Dean, DCSE, Adi Sankara Institute of Engineering and Technology, Kerala
7. Dr. M. Indiramma, DCSE, BMS College of Engineering, Bangalore.
8. Dr. Balakrishnan. S, Professor and Head CSBS, Sri Krishna College of Engineering and Technology, Coimbatore
9. Dr. C. Ram Kumar, Dr. NGP Institute of Technology, Coimbatore
10. Dr. Jenica, Asst.Prof, DCSE, VIT, Chennai

Virtual conference on business research at SRMIST

STAFF WRITER

Scope and theme of the conference

Conferences bring together people who share a common discipline from different parts of the world, bringing different forms of ideas which build into something greater. It provides an opportunity to build networks with academics and experts in the similar field of studies all around the world and to share thoughts on recent advances and technological breakthroughs. The Conference provide access to various research activities, ground breaking ideas, discoveries and theories related to a particular subject with current findings and developments anticipated from them. This conference aims to investigate these changes and shifts in the functioning of businesses, corporates and human lives, in other words, the changes in the business ecosystems and the relevance of each prospect contributing to the change. Major topics incorporated in this conference theme are digitalization which is future of technology in trade and its reference towards commerce is major domain of the research conference. There are new innovations coming up every-day that is making the workspace and operations more time and cost efficient. It is drastically changing the way

offices work and information and communication systems work. It is interesting to observe these changes and how the future of technology could potentially affect human resources. Industrial and Economic transformations with the onset of the COVID-19 Pandemic, there have been industries that saw a boom in their revenue and some industries that have fallen completely in this period. ICBR 2021, have received almost 142 papers from various Universities, it has been tracked into 4 with keynote speakers. On 1st December, 2021 inaugural of conference was proposed with keynote speaker and on 2nd December, 2021 valedictory of conference was lead with 5 keynote speakers related to Commerce background. The conference made with a discussion of recent trends in trade,



commerce, marketing strategy, green sustainable functions, and new policy in HR, new policy in corporate like ESG, CSR and new learning platform. Conference places a prominent role in the view of event organizing experience and team coordination.

Virtual four days hands-on training program on data analysis using SPSS

STAFF WRITER

A hands-on training program on Data analysis using SPSS was organized from Dec.8 to 11, 2021 for the enrichment of research activities, this program focused PG students, Research Scholars and Faculties. The Resource person for this program was Dr. R. Kasilingam, Professor, Department of Management Studies, Pondicherry University. The program was scheduled with Introduction to Parametric test, its usage and detailed with Exploratory, cluster analysis and Discriminant Analysis. Almost 45 persons registered and benefited through this program, a detailed analytical procedure and interpretation were discussed, it make a fruitful session towards data analysis using SPSS.

SRM VDP CSE Outreach – Skill Building Workshops 2021

STAFF WRITER

Technology Enabler - New Age Technologies Workshops @ KRM Pubic School, Perambur, Chennai.

A one-day hands-on workshop on Python Programming was conducted for class 11 students of KRM Public School, Perambur, Chennai on 17-12-2021. Dr.Golda Dilip and Dr.Paavai Anand from DCSE, VDP campus acted as resource persons. Around 60 students enthusiastically participated in learning the new age programming language. The Skill building workshop was a successful one as the cooperation extended from the school was highly applaudable.



Amazon gift vouchers were given to the top 2 achievers. Along with that, Merit Certificates were also given to the 4 best-performers. The participation certificates were distributed to all active participants.

Skills and mindset you need to thrive in the open world

STAFF WRITER

The Alumni talk on the “Skills and Mindset you need to thrive in the open World” topic was conducted by DCSE, VDP campus on 17-12-2021. The objective of the program was to provide students with a basic knowledge on skills and mindset that students need to thrive in the open world.

The Resource person Mr. Shiven, Co founder & Tech Lead @Alfheimr Technologies, opened up the session on creativity. Creativity is the top and highly expected skill that a worker needs. With the avalanche of new products, new technologies and new ways of working, workers have to become more creative in order to benefit from these changes. He insisted on different strategies and ideas that inspired and made the listeners associate with the situation by transforming the pain into motivation. He elaborated on how to think out of the box with suitable examples from Steve Jobs by Issacson, Walte Innovator’s Delima. He also briefed on hard work and effort on improving the competence to win the game. He asked the students to make a stand on with incredible passion and by placing the mind in a non-distracted zone. Overall, the content of the session was exceptionally conveyed with easy grasping practical examples. IN a nutshell mindset is everything that one must hang on to.



Harshavardhan Crowned for Securing Silver Medal in the World Youth Super Final Chess Championship

GANESH ROCKY

Mr. Harshavardhan G.B. of I-B. Com SRMIST has Won Silver Medal in the World Youth Super Final Chess Championship which was held through online from 18th to 22nd December 2021 Organized by Georgian Chess Federation and he has won Bronze Medal in the Asian Junior Chess Championship which was held at Srilanka from 17th to 23rd December 2021



Sriram wins bronze medal in all India inter University athletics championship

GANESH ROCKY

SRIRAM.V of SRM IST have Secured Bronze Medal in the Event, Long Jump in All India Inter University Athletics Championship 2021-2022 held at Mangalore.

Athletes from Various Universities Across the country have clashed in this championship Title.

Silver medal for SRM - Yet another special

Hot Sun, Mild rain, Chilling Mist have not Prevented our Tennis boys team to perform in the recently concluded South Zone Inter University Tournament held at SRM IST, KTR Campus Tennis Teams from Kerala, Telangana, Andhra Pradesh, Pondicherry, Tamil Nadu, Karnataka took part in the tournament.

SRM IST Secured Silver medal in the tournament and

have qualified for All India Inter University Tennis Men Tournament and Khelo India Universities Games - 2022

TEAM PLAYERS LIST

1. Oges – I Mba
2. Krishna Teja – I Mba
3. Pragathish – I Bsc Phy Edu
4. Anish Frolin - I B.tech Mech
5. Pradhan Raghav – I B.com
6. Dr.n.c.jesus Rajkumar – Team Coach & Manager



SRM table tennis team hunted the championship title

GANESH ROCKY

Table Tennis men and women team have Smashed medals recently. They have performed marvelously. Men Team have won Gold in the recently concluded South Zone Inter University Table Tennis (Men) Tournament held at Reva University, Karnataka.

Women won Silver Medal in the South Zone Inter University Tournament held at AMET University, Chennai.

This is a great treat by our SRM IST Sports Persons to the entire SRM IST staff members.



Basketball



Hockey

SRM bags Brones and silver at south zone Inter university Championship

GANESH ROCKY

The Department of Physical Education and Sports Sciences feels immense pleasure to present the victories our SRMIST players have achieved in the recently concluded South Zone Inter University

Championship. Our Basketball Women (Silver Medal) and Hockey Men (Bronze Medal) teams have qualified for the National Inter University Championship and Khelo India University Games 2022.

SRM FOOTBALL BOYS Claims a Position in South Zone Inter University Football Tournament

GANESH ROCKY

SRM FOOTBALL Men have secured Fourth Position in South Zone Inter University Football Tournament which was held during 5th to 10th January 2022 at Kerala

Around 90 Universities From

south part our country have clashed and our boys have secured Fourth position this Tournament. SRMIST football team is the only one University from Tamil Nadu among 90 Universities which qualified for all India inter University Championship.



SRM Men Kabaddi Team Keeps All India Inter University Title Alive

GANESH ROCKY

SRM IST kabaddi (Men) team Secured 4 Position in South Zone Inter University Kabaddi Tournament. With

that they have Qualified for All India Inter University Kabaddi (Men) Tournament which is going to held at MD University Rohtak, Haryana.





SRM Creates History in the Association of Indian Universities Tournament

GANESH ROCKY

The only University in India to reach the victory stand in the recently concluded. All India Inter University Volleyball (M&W) Tournament held at KIIT University Odisha.

Volleyball (Women) Team- Gold medal

Volleyball (Men) team- Bronze Medal

This is a Rare Feat Achieved by our SRM IST and no other university in India have ever achieved.

Women Volleyball Team Secured First Position And Men Volleyball Team Secured Third Position Among 1013 Universities Across The Country..

With this Victory, the teams have Qualified for the Khelo India University Games Which Is Organizing By the Association of Indian Universities and Ministry of Youth Affairs and Sports, Government of India.

We dedicate this victory to all the supporting staff members who have worked day and night for the victory we have achieved.



SRM Boys bags Silver & Girls with Bronze

GANESH ROCKY

SRM IST Men Badminton Players Smashed the Silver Medal in the South Zone Inter University Badminton Men Championship.

And the Women Badminton Team Have Won Bronze medal in this Championship.

With this Victory, the teams have Qualified for the All India University Championship and Khelo India University Games Which is Organizing by the Association of Indian Universities and Ministry of Youth Affairs

and Sports, Government of India.

Participating in the Khelo India games is a prestigious thing. Only top 8 Universities from our country will be able to participate in that. So it was a great achievement by SRM Team players for Qualifying in the khelo India Games.

SRM IST is the only University from Tamilnadu to Participate In Khelo India Games in More Number Sports And Events. This is a great Milestone done by our Department of Physical Education and Sports Science, SRM IST.

