



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

SPECTRUM

The Newspaper of SRMIST

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Racing to the Top...



Government of India
Ministry of Human Resource
Development



ARIIA

ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS



Government of India
Ministry of Human Resource Development



ARIIA

ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS
RANKING 2019

S.R.M. Institute of Science and Technology, Chennai

ranked Third under the category of **Private or Self financed Institutions.**

Dr. Anil D. Sahasrabudhe
Chairman, AICTE

Shri R. Subrahmanyam
Secretary (Higher Education), MHRD

Dr. Abhay Jere
Chief Innovation Officer, MIC, MHRD

Looking At India Differently

STAFF WRITER

Development journalism is an area that requires sustained interest and regular follow up for the simple reason that issues and concerns raised in this area of media studies are not resolved in a time bound fashion. This two day conference organized by the Department of Journalism and Mass Communication on Development Journalism, focused on India but looking at it differently on 14th & 15th March 2019.

Day 1

The first day of the conference focused on the growing need for development journalism in India as we do not cover crucial developmental problems in our nation, especially the aspect of uneven development. The conference commenced with an inaugural session in the presence of guests of honor Mr. M.J. Prabhu, Green Cause Foundation and Senior Journalist and Mr. Elango Ramaswamy, Global Grassroot Icon.

Another session on Communicating Development which included speakers such as Dr. T. Jaisakthivel, Assistant Professor, University of Madras and Ms. Shirley Deepak, Global Media Consultant who shared their knowledge and experience on understanding community radio. They spoke on the various opportunities in the sector of radio and international broadcasting and also shared success stories of various women from rural and tribal areas who are established radio broadcasters today. "Community Radio gives a voice to the voiceless", says Ms. Shirley Deepak who had started the Holy Cross Community Radio in 2006. The speakers also highlighted the importance and benefits of starting a community radio



Mr. M.J. Prabhu, Green Cause Foundation



Ms. Shirley Deepak, Global Media Consultant



Mr. Venkataramani,
Former Agri-Correspondent, The Hindu



Mr. Sam Daniel, Senior Journalist, NDTV &
Mr. David Vijaykumar, Pallavan Grama Bank



Mr. Ponnusamy, President, TN Milk Dealers Association &
Mr. Durai Mahendran

as well as pointers on how to source revenue for the same as funding community radios has always been a major challenge.

DAY 2

Day 2 of the National Conference on Development Journalism started with a panel discussion on 'Bridging the Gap' which was moderated by Dr. Sridhar Krishnaswami,

Deputy Dean, SRMIST and Mr. Jai Ganesh... The panellists included Mr. Sam Daniel, Senior Journalist, NDTV; Mr. Ponnusamy, President, TN Milk Dealers Association; Mr. David Vijaykumar, Pallavan Grama Bank and Mr. Durai Mahendran, a fisherman. The objective of the discussion was to bridge the gap between the known and the unknown, with regard to

issues faced by the rural areas in India. The audience which included students and faculty of various departments were able to understand the different problems that the rural parts of the country have to face from the perspective of people who actually live and work in these regions on a daily basis. They were also able to reflect on the significant role that journalism

has to play in this area.

The conference was ended in the presence of Mr. Venkataramani, Former Agri-Correspondent, The Hindu, who enlightened the audience on the importance of agricultural and environmental journalism. He also stressed on the significance of sustainable development which is the need of the hour for our country.

SRMIST organized one day seminar on Tamizh Poetry

STAFF WRITER

Department of Tamil, Faculty of Science and Humanities, SRMIST organized one day seminar on Tamil Poetry 'Thamizh Kavidhaiyil' on 19th March 2019 in Kattankulathur campus. The seminar began with the Head of the department Dr B

Jaiganesh's welcome address and the Dean Dr Jothikumar's felicitation.

In this seminar, renowned Poet and writer Kavijar Thanjavur Kavirayar, poet Ravi Subramaniam and poet Raja Chandrashekhar took part as special guests. They addressed the first year students and helped

in instilling the finer qualities of appreciating poetry in their young minds. Their effective use of the medium of poetry to convert otherwise a mundane thought into a sublime one was immensely appreciated by all. And thus the one day seminar came to an end with its purpose achieved.



Racing to the Top... and Staying There

STAFF WRITER

It may be recalled that SRM Institute of Science and Technology, (formerly SRM University) has been accredited with the highest grade A++ (A double plus) by NAAC (National Assessment and Accreditation Council) in August 2018 which is considered as one of the biggest achievements yet by SRMIST. This has been further reinforced by the ranks secured by SRMIST in 2019 – NIRF-MHRD (National Institutional Ranking Framework) released by the Honorable President of India on 08.04.2019.

SRMIST has also secured

third position in MHRD's ARIIA (Atal Ranking of Institutions on Innovation and Achievements) among private universities in India. ARIIA rankings bring forth the excellence in campuses which is conducive to inculcation of entrepreneurial capabilities in the students so that they become employers and not job seekers as they leave the portals of SRMIST.

SRMIST with 50000 plus students and 3200+ faculty members offering programs in the disciplines of Engineering, Medicine, Science, Humanities, Management, Law, Health Sciences, Dentistry, Hotel Management, Agricultural Sciences and Teacher Education is one of the few biggest multi-

disciplinary universities in India ranked high by NIRF and ARIIA

SRMIST has been conferred graded autonomy by UGC-MHRD and is now a Category I institute as per the classification of UGC-MHRD- one of the very few private institutes to have been accorded this honor.

In October 2017, SRMIST QS (Quacquarelli Symonds Ltd) an UK based world renowned ranking agency has rated SRMIST as a "4 Star" institute with "5 Star" ratings in Teaching, Employability and Inclusiveness. The same agency has accorded 'Diamond Rating' to SRMIST recently.

SRMIST also regularly and consistently figures in World/Asian/BRICS rankings by QS and Times Higher Education (THE-UK). For the first time, SRMIST has been ranked in 'Subject Category' also by THE.

SRMIST has international program based accreditations also to its credit. Five of its engineering programs offered at Kattankulathur campus have been accredited by commissions of ABET, USA (www.abet.org) and four by UK based IET (The Institution of Engineering and Technology). Such international accreditations have resulted in close to 900 students from 64 countries studying at SRMIST.

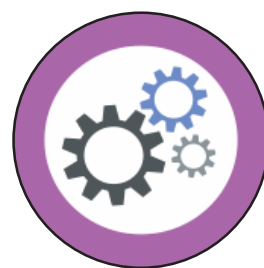
All the above mentioned awards/distinctions awarded to SRMIST are due to the culmination of many innovative measures benefitting the students and faculty alike resulting in an invigorating learning atmosphere. Adoption of IDEAL (Inter-Disciplinary Experiential Active Learning) curriculum with option to go for specialization



University - 31
(Up by 9 positions from 2018)



Pharmacy- 14
(Up by 13 positions from 2018)



Engineering -36
(Up by 10 positions from 2018)



Medicine -22
(Retains the position)



at undergraduate level itself, implementation of FIIP (Faculty Industry Immersion programme), scheduled interaction sessions with students by top management and performance linked incentive schemes for faculty are but a few of the measures which have instilled a sense of purpose among the teachers and the taught.

National IP Award 2018 in the category of Top academic institution for Patents and

Commercialization by Ministry of Commerce and Industry, GoI and establishment of NewGen IEDC (Innovation & Entrepreneurship Development Cell) at SRM with a funding of 2.87 Crores by NSTEDB (National Science & Technology Entrepreneurship Development Board), DST, GoI have given further impetus in addition to NAAC accreditation, NIRF and ARIIA rankings.

Bringing together young Minds and Dreams

STAFF WRITER

AARAMBH is a start-up club of SRM Institute of Science and Technology, Vadapalani Campus that brings together the young minds with dreams of becoming an entrepreneur in the field of engineering and technology.

Aarambh'19, Youth Startup Summit was held in Vadapalani campus recently. The summit commenced at 9:30 am. The inauguration of the ceremony was followed by the felicitation of keynote speakers Mr.Dorai Thodla, Founder & CTO Technology strategies and Dr. N.Suresh Kumar, managing director & founder at 360 degrees academy. The morning session

was concluded by Dr. N. Suresh Kumar who motivated the students to create their own future and be their own inspiration.

I, The afternoon session the panel discussion was lead by Mr.Eshwar Sabapathy, Partner-Eshwars, House of Corporate and IPR laws who was the moderator for the discussion. The other members of the panel were Mr.V.Muthu Kumar, proprietor Rakki dental lab, Mr. Avira Tharakan, CEO-Docswallet, Mr. S. Lakshmi Shankar, CEO-Top Reach Solutions and Mr. Karthikeyan Emayavaramban, Managing Director-Thirukural Unavagam. The panelists discussed about the "Challenges and opportunities in various Sectors of Startup".



Showcasing Talents of Design

STAFF WRITER

Design And Innovation Club is a hybrid club of SRM Institute of Science and Technology, Vadapalani Campus that brings together the young minds with dreams of becoming an innovator to showcase their talents of design and innovation in the field of engineering and technology.

The inaugural ceremony of The Design and Innovation Club was held recently. The inauguration of the ceremony was followed by the felicitation of the Chief Guest, Mr. A. D.

Padmasingh Isaac, MD, Aachi group of companies. The session involved the inauguration of the club logo followed by the inaugural address by the Chief Guest who motivated the students to create their own future and be their own inspiration. He inspired the students by asking them to have a vision, put in persistent effort, hard work and have the quality of perseverance. After which, he spoke about how the brand of a person is his/her character and attitude. Queries were raised by some students which he answered

with enthusiasm and deep insight. One of the questions was about who were his major competitors.

He gave an answer which induced laughter but at the same time was shrewd. His answer was that the housewives were the major competitors as his products were aimed at replacing or providing a viable alternative to their homemade masalas.

Finally, the ceremony was successfully concluded by awarding young innovators for their ideas and projects around.



A Bazaar of a different kind

DRUTHI JITHENDRA

TANYA AGGARWAL

"Take all your problems and rip them apart or carry them off in a shopping cart".

Whoever said so managed to perfectly capture the state of the students after those sleepless nights and stressful days spent preparing for the first round of internal exams. The students and the faculty of the SRM School of Management gave the masses a huge stress buster in the form of Penta Bazaar also known as, Bazaar 5.0.

The bazaar, which was held from the 13th to the 15th of February, lit up the dim streets of SRM with its decoration and

lighting. Full of diverse stalls and a bright atmosphere, the bazaar attracted a lot of people. Be it clothing or accessories, people were found with hands full of shopping bags, empty wallets and a satisfied smile on their faces. The bazaar included a range of products, from notable brands like Timex to wallet friendly goods that students could afford. For all the fun-loving people, Penta Bazaar also had various game stalls including 'shoot-the-balloon' and 'fruit-shots'. The biggest crowd puller, however, was the helium balloon stall where participants were allowed to inhale helium gas and make funny, squeaky noises. Tattoo and face painting stalls, Syrian



Student enjoying Bazaar 5.0

food stalls, kebab stalls and rustic ice candy stalls helped in bringing variety to the event.

Penta Bazaar was not only a different and fresh experience for all those attending it but also

for the students who participated in the event by setting up stalls of their own.

Patriotic state of mind of the Gen – Z

SADHANA UPENDRAN

Born in the era of technological advancements and momentous changes in morals and lifestyles, the Gen-Z, as we fashionably call ourselves have been a generation of torpid individuals always at the brink of staying or falling off from their 'cool' status. The times have changed since the independence when the youth dreamt of a country that would soar high in every possible field of advancement. The youth of the country now dream of PUBG, the number of likes on their Facebook posts or their next Instagram story.

To put in simple words, the essence of realism in thoughts have regrettably disappeared from us. The thought of progress as a country and our valuable contribution towards it has taken a back seat in the race for social media updates and e-connection. Have we lost track? Well, the answer could be a yes and a no

depending on individuals. As we march into the future we are bound to understand our responsibilities as citizens of this country with a conscious desire to make a difference. Does our patriotism last just for a day or two after incidents like the Uri surgical strike or the recent Pulwama attacks? Or do we just salute our flag on Independence and Republic day only? How is it fair that only 0.004% of the population under the Indian Armed Forces and their families are expected to fight for the country while we scroll down endlessly into the unfathomable depths of social media? An answer to all the above questions is the biggest change one could make in their respective lives as even 'one' thought can act as a catalyst to a plethora of chain reactions that might escalate the country's status. As simple as acknowledging the fact that every person matters in a country could be the first step.

Unfamiliar yet remarkable books

ESHA DUTTA
SWATHI BALAJI

Humanity shapes literature as much as literature shapes humanity. Here are a few recommended, lesser known fictional masterpieces that escaped public scrutiny:

The House on Mango Street

A recipient of the American Book Award and a New York Times Bestseller, this is a coming of age novel by Sandra Cisneros revolving around the life of a teenage Latina, as she struggles to survive in a Puerto Rican neighborhood in Chicago in the 1980s. The book delves into the male-dominated culture enmeshed in a Mexican household, as it tries to keep up with the American culture that it has recently been introduced to. Discrimination, abuse, sisterhood, and love, this book explores it all.

Night Circus

It is the debut fantasy novel by Erin Morgenstern. Set in the 19th century, a nocturnal circus

travels around the world and drags the captivated readers along. It becomes the arena for two trainees of rival magicians to compete until only one survives. An intense battle of imagination and determination form loose strings that tie together to stage a flawless ending. Acrobats, odd twins, intricate clocks, and exuberant dinners provide a peculiar twist on childish fantasies

The Yellow wallpaper

Written by Charlotte Gilman in 1892, it is a pioneer in leading the first wave of feminism. Due to mainstream media being reluctant to publish works of a utopian feminist, it took a while to earn its rightful acclamation. It is a chilling tale of a woman driven to the brink of insanity by being confined to a country house by her husband to treat her hysteria.

THE YELLOW
WALLPAPER

CHARLOTTE
PERKINS
GILMAN



The Vivo IPL 2019 trophy

IPL – Aiding Economic Growth Since '08

STAFF WRITER

In a country like India, cricket undeniably brings together people from all walks of life, irrespective of culture, gender or nativity. The sport is widely watched by people from all over the world and has various leagues that are played all year long. Cricket here is nothing less than a religion and every tournament is considered a festival. The Indian Premier League (IPL) is one such month-long festival that is celebrated with pompousness and grandeur.

Every year, the IPL grows to be bigger and better, with bigger names and bigger bucks. The tournament has not only

largely impacted the craze for the game, but has brought in bamboozling levels of money with it. The effect of the IPL on the economy is unquestionably immense. The tournament influences the growth of sectors, which is a major contribution to the growth of the income of our country. With broadcast rights, sales of team merchandise, title and team sponsorships, the IPL has proved to be a separate sector of employment and revenue-creation in itself. Additionally, the tournament brings with it spectators from various countries, who are often fascinated by the cultural diversity of India, and hence aid in the blooming of the tourism sector of the economy. Hotels,

flights, buses, food and beverage are few of the various services that are availed by the people involved in the tournament, thereby adding to the escalation of their usage. The DTH providers don't sit back when it is their time to increase their revenue. The subscription rates of the channels that broadcast the matches also increases. The advertising industry sees a jump in its income as well. Overall, along with all the action that the tournament has to offer, it offers a lot of financial growth to the Indian economy. Every year, the tournament gains popularity and spectatorship. With this increase, it is only natural to expect the forthcoming years to be bigger and better.

Lost in space: an adieu to opportunity

SAMADRITA SAHA

When "Opportunity" landed in Meridiani Planum, a plain just off the equator of Mars, it was expected to last a maximum of 90 days on the Red Planet.

However, it outlasted its estimated life span by a staggering tally of 14 years and travelled over 28 miles on the terrain of Mars while returning over 217,000 images of the planet.

Opportunity was launched in the summer of 2003 with the objective of exploring Earth's neighbouring planet. From the very beginning, it hit the scientific jackpot and provided compelling scientific evidence that water in its liquid state had once been present on Mars, establishing the physical habitability of the planet. Over the years, the rover continued to plod on the surface of the unknown planet, demystifying its secrets and



An artist's portrayal of Opportunity, the Mars rover

breaking all records. The end came in the form of a severe dust storm in May 2018 that blanketed the rover and eventually grew to enshroud the entire planet. The thick sunlight-blocking dust prevented Opportunity from recharging its batteries and it slipped into a sort of hibernation. Scientists spent the next eight months issuing

over one thousand commands to restore contact with the rover but to no avail. On February 13, 2019, after sending a final series of recovery commands that eventually proved to be futile, scientists put Opportunity to sleep with Billie Holiday's 'I'll Be Seeing You' amidst condolences pouring in from all over the world and hence.

The Floundering Bluebird

SANKALP SARKAR

“Oh, you wonderful free bluebird!”, the silent whispers murmured around the Stadiwm Dinas Caerdydd as Sankalpa Sarkar delves deep into the mysterious circumstances surrounding the death of Argentine footballer Emiliano Sala.

As the world mourned the loss of Argentine Sala and the pilot of his private jet, David Ibbotson, introspection would be futile in an epoch of pseudo-intellectual brokerage. The mystery clouding around Sala’s crash and subsequent apathy from the British government and the investigations surrounding both FC Nantes and Cardiff City FC stands testament to the pseudo-empathetic shadiness lurking in the murky underwood of the posh offices. A GoFund page funded by a host of international footballers including the likes of Lionel Messi, N’golo Kante, Neil Warnock among others, flew into the rescue of the mourning families after Guernsey Police

called off the official search, citing weather quandaries. Incidentally, three days after the resumption of the search, Sala’s corpse was recovered from the wreckage in the British Channel. If renegading ennui was inscribed into the chain of chicanery that stemmed from Sala’s record transfer to Cardiff could be disseminated, it would give birth to a series of vivaciously pertinent queries that remained unanswered: Why did Cardiff allow their record-transfer to fly to Nantes via a private jet, instead of the putative protocol of a commercial flight? In spite of failure to take off twice in a row, why was the faltering jet allowed to take off? The shadowy tentacles that hang around the elliptic maxims would prove to be futile as the world bid adieu to a talent lost in the gloom of time.

I am a thousand winds that blow, I am the diamond glints on snow, I am the sun on ripened grain, I am the gentle autumn rain.



[Oh captain! My captain]

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 sridhar.k@ktr.srmuniv.ac.in
 - Coverage of a certain event or receipt of an article does not guarantee publication.
- Editor

Techutsav’19: Binary and Beyond

SARVESH VISHNU

SAMADRITA SAHA

The sixth edition of TechUtsav, a national level technical fest, was conducted recently, by the Faculty of Science and Humanities, SRM Institute of Science and Technology. The two-day long extravaganza comprised an amalgamation of technical and cultural events ranging from a paper presentation and technical quiz to theatre and gaming, offering to all students a unique opportunity to not only portray their talents but also enhance their knowledge.

The event was inaugurated and convened by Dr. G. Kalpana, Department of Computer Science and Dr. Albert Antony Raj S, Department of Computer Applications. The technical fest got off to a very energetic start with numerous students participating in its wide array of events. The idea behind every technical event was to test the scientific calibre of the participants and their ability to conceptualize unique and innovative ideas that could be adapted feasibly in the real world. ‘Lit Up There’, the paper



The lighting of the kuthuvilakku flags off the event

presentation event witnessed a number of students formulating ideas that held the promise of transforming the field of technology if implemented correctly. Students also flocked in to participate in the recreational cultural events of theatre, meme creation, photography, and gaming. Techutsav’19 concluded with its closing ceremony where the convenors elaborated on the significance of technology in today’s world and also motivated the students to constantly think out of the box to come up with unconventional ideas. Techutsav plans to return next year with



A participant presents his ideas with great passion

even greater zeal and enthusiasm to inspire and awaken the spirit of scientific thinking.

The Case of Integrity

VAMRUTHA

“In a world of Peter Keatings, try to be a (albeit a mellower version of) Howard Roark.”

It is considered almost a blasphemy if an architect/ architecture student hasn’t read The Fountainhead. It’s a dense read and it’s not really everyone’s cup of tea. Maybe it’s their cup of coffee, or milk. Or maybe they’re lactose intolerant. We’ll never know. Because that’s how diverse the opinions about the book are. On one hand we have Peter Keating - poster boy of the architecture of the late 1920s, worshipped by commoners and

critics alike. He graduated top of the class, and went on to become what we now know as a ‘starchitect’.

On the other hand, we have the brilliant yet misunderstood Howard Roark. He’s the one who went against the grain, got expelled from his institute for his design acumen which was too ‘daring’ and ended up working for an architect who was tagged a ‘blotch in the fabric of architecture’.

What separates these two is their underlying integrity. Roark’s passion for spaces is on a higher plane, too difficult for people to comprehend. His raison d’être was to craft spaces, every morsel of concrete being entwined with his very soul.

Keating however, catered to the people’s aesthetic aspirations. In a sense, his buildings seemed to be a bromide - something easy, soothing and conforming to the masses. His buildings were an ungrateful mélange of borrowed

legacies, from Roman to Greek to French Renaissance. Keating subconsciously knows this but doesn’t have the temerity to acknowledge his own incompetence as compared to Roark.

Roark’s character taught me about having integrity - being consistent with what you are and what you do. There’s this synergy between his personality and his work which lent him his authentic, complex character arc. And it’s this synergy that resonates most with architects.



Cover art by Nick Gaetano. “To ask nothing. To expect nothing. To depend on nothing.”

Roark’s passion for spaces is on a higher plane, too difficult for people to comprehend

The first sight of black hole

NIKHIL GAUR

“Hey! Champ look at this, it’s a black hole!”, if somebody comes and says this phrase to you, you are definitely not going to believe him, but soon you are going to witness “the most remarkable discovery of the era in the field of astronomy”. The observations made by the scientists of the project ‘The Event Horizon Telescope (EHT)’ are expected to unveil the most eagerly awaited scientific announcements of 2019.

Black holes are phenomenally dense objects which distort the fabric of space-time in their vicinity, causing objects and light to appear deflected from its path. Until now, a black hole has never been directly observed. The main barrier being that black holes are so compact that a telescope roughly the size of earth would be required to see the nearest one!

The EHT uses a technique known as interferometry,

in which astronomers from observatories on different continents simultaneously observe the same object, and then collect the combined data on a supercomputer. The EHT has two primary targets- SAGITTARIUS A* and M87, a supermassive black hole situated at the centre of the Milky Way galaxy and the Virgo cluster of galaxies respectively. M87 is about 60 million light years away from earth but 1000 times larger than the one present in our galaxy, the astronomers hope would be visible.

No one is sure what the image will look like but theoretical predictions show it will be like the one depicted in the film “Interstellar”. This discovery will also reveal whether they have properties predicted by the Einstein’s theory of general relativity. “If we get an image out of it, it will become one the most iconic images of science”, says Prof. Peter Galison, member of EHT from Harvard university.



Cool as a cucumber: Final year students celebrating the success of Unido '19

Unido'19 – A Gastronomical Gala

V AMRUTHA

The Annual Theme Luncheon Unido'19 was hosted by the students of SRM Institute of Hotel Management, Kattankulathur recently. The event saw the august presence of Mr. Sunil Tandon, General Manager, ITC Fortune Hotels and Mr. Karunakaran, Assistant Manager, Food & Beverage, ITC Fortune Hotels.

The luncheon was held as a formal event for students to showcase their culinary creativity and calibre. This year the event's theme was 'Carnival' and celebrated the fusion of Indian and Global culinary delights. Every year theme lunches are organized by the final year students convert their theoretical knowledge into practical operations.

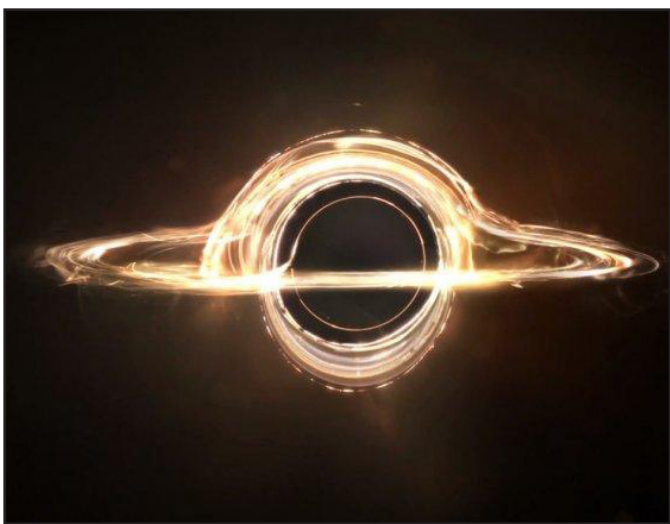
The inauguration was done by the chief guest, Mr. Sunil Tandon which preceded the menu orientation and video presentation by the faculty. The students displayed their extra-curricular talents through

This year's theme lunch was really challenging because of the multiple cuisines we had to explore. At the end of the day all of us co-operated very well and made it successful.

cultural performances, which was just the icing on the cake.

Says Sudeesh Menon, 3rd year, HM, “This year's theme lunch was really challenging because of the multiple cuisines we had to explore. At the end of the day all of us co-operated very well and made it successful. We lived up to the theme name - Unido and found everyone working as a team as well as being united

so it was a great event.” Upon asking about the dishes served, Menon adds, “We prepared dishes catered to a more universal palate, adding an Indian twist to the global cuisines. Dishes like Gulab jamun, Cheesecake and Gajar Halwa macaroons proved to be a great hit.” The event culminated with a vote of thanks to the chief guests from the host students.



“A black hole isn't so black from outside as it radiates plasma flames at the speed of light!”

Electruser (eBaja) Team of SRMIST the Champion of Champions!!!

STAFF WRITER

Electruser (eBaja), a student team from Mechanical Engineering department has participated in the event “Champion of champions” organized by Imperial Society for Innovative Engineers (ISIE) at KL University, Vijayawada, AP.

Around 22 Teams from various

colleges/Universities across India participated in the event. The All Terrain Vehicle developed by student team of SRMIST passed all the static & dynamic tests and entered into final endurance test. The vehicle successfully completed the given distance of 24 km in One hour and was placed first. Electruser's (eBaja) vehicle has won the followings

medals Best Endurance, Best Land Maneuverability award and Over all ATV First Runner up in Endurance.

The winning team is captained by Mr. Surya Pranith, Student of Mechanical Engineering and Faculty advisors are Dr. T. Rajasekaran, Professor/Mechanical and Mr. Arulkumar, AP/Mechanical.



Imparting and Improving Leadership Skills

STAFF WRITER

School of Management, SRM Institute of Science and Technology, Ramapuram Campus initiated a student outreach program “EETHAL”, in association with Indian Development Foundation on 29-1-2019. This program is designed as a student leadership program to make potential use of the student’s leadership qualities towards creating a better society.

The objective of this student leadership program is to impart and improve the leadership skills and life skills among the school students, who in turn will contribute to a better society. It was inaugurated by The Dean, science and humanities and the Head of the department, which followed an introduction to the program.

The morning session was taken over by the guest of the day Mrs. Manju K. Manohar, social ambassador of IDF, who is an entrepreneur, a career coach

and a motivational speaker. The session involved a brief introduction to the program, interaction among the students and gaining insights from the students. The session also dealt with the strengths behind this Student leadership program and their importance. The afternoon session was handled by Mr. Imran, program co-ordinator, IDF and Mr. Selvendhiran, program co-ordinator, IDF. The afternoon session involved training the

students for mentoring. This leadership program focuses on mentoring the government school students in key leadership areas like time management, anger management, personal hygiene along with other structured life and leadership skills. Students from school of management, SRMIST actively participated in the training program and gained a deeper insight towards mentoring and it’s process.



Dean (S&H), HOD/MBA and Coordinator honoring guest on Mrs. Manju K. Manohar, social ambassador of IDF



Dean (S&H), HOD/MBA presenting memento to 2015-2017 batch alumni Mr. Promod Kiran, Managing Director, SRJ Proteins, Chennai

Sharing Experiences

STAFF WRITER

The School Of Management, SRM Institute of Science & Technology, Ramapuram Campus, conducted two alumni talks for MBA first year students. In the first talk the gathering was addressed by Mr. Promod Kiran, Managing Director, SRJ Proteins, Chennai and an alumni from 2015-2017 batch. He shared the importance to start a business and tactics to be successful in

the running a business. The students were inspired by his speech and participated with joy. Later the session went on with question answer round where the students clarified their doubt with Mr. Promodh on entrepreneurship. It was a nice gesture by the management to have arranged this program to students to emphasis.

On the perks of starting a business and being a successful entrepreneur.



Ms. Thanuja Srinivasan a passed out graduated from the same college, now working as Assistant Manager - Finance in ITC Hotels addressing students.

In the 2nd talk the gathering was addressed by Ms. Thanuja Srinivasan a passed out professional from the same college, now working as Assistant Manager - Finance in ITC Hotels.

She shared her beautiful experience in college and encouraged the students to enjoy the college life with both fun and studies. Moreover she shared how her studies have helped her gain an edge over others in her office.

The students were very inspired by her speech and applauded enthusiastically. Later the session went on with question answer round where the students clarified their doubt with Ms. Tanuja. It was very thoughtful of the management to have brought a beautiful opportunity to students.

Eethal events at Hussainy School

STAFF WRITER

School of Management, SRM institute of science and technology, Ramapuram Campus initiated student outreach programme “Eethal” as part of brand building activity recently at Hussainy School, and Ramapuram.

The objective of this student leadership program is to impart

and improve the leadership skills and life skills among the school students, who in turn will contribute to a better society and it is also part of brand building activity.

Students Assisi Matriculation School, Sivanthi Matriculation of the school handled Student Leadership Programme sessions. Dr. G. Kannan and Faculty member accompanied the students. The

programme started with briefing about SRMIST, courses offered and highlights of Ramapuram Campus. Topics covered in the session were:

- 1) Time management
- 2) Money management
- 3) Unity is strength
- 4) Leadership qualities
- 5) Anger Management etc.



Dr. G. Kannan, Asst. Professor, Students of MBA addressing school students at Hussainy School

Paying homage to martyred Jawans



STAFF WRITER

SRM Institute of Science & Technology, Kattankulathur organized a silent procession in their campus to mourn and pay homage to the 44 martyred CRPF personnel in the wake of Pulwanna terrorist attack in Kashmir.

The Registrar, Director (E&T), Faculties, Staff and Students numbering 1500 took part in the procession and paid tributes and homage to the departed martyrs.

At the end, the procession observed 2 minutes silence to mark their respect to the departed soldiers.



Briefing the illustration on conservation



Awareness Rally on VOTING at Guduvanchery

STAFF WRITER

As the Lok Sabha elections are nearing, NSS of SRM Institute of Science and Technology organized an awareness rally on the importance and rights of VOTING to public in the area of Guduvancherry, recently between Srinivasapuram and Viswanathapuram as advised by Shri. VALLAVAN, DSP, Vandalur with the support of Dr.

N. Sethuraman, The Registrar and Dr. C. Muthamizhchelvan, Director (Engg and Tech), SRMIST.

More than 120 NSS Students of participated in the rally at Guduvanchery. Welcome address was given by Dr.T.Rajasekaran, NSS Program coordinator and the rally was inaugurated by Dr. Logaraj, Head, Community Medicine, SRMMC&RC. Lenin Kavirichelvan, President, Lions

club of alpha city participated along with the club members. Refreshments were provided to the participants and volunteers. NSS volunteers were actively participated in the rally by raising slogans on the rights and importance of casting individuals vote for selecting their representatives. General public along with the local counsellors also joined the rally enthusiastically.



Interacting with the students



Awareness on Energy Conservation

Energy saved is energy produced.
Energy saved today is asset for future.
Save energy today for a better tomorrow.
Conservation of energy is everybody's responsibility

It is planned to create deep sense of conservation of energy in the young minds of the students community. To start the awareness campaign in the campus, it was planned to experiment in the class rooms of seven blocks: Tech park, Bio, Architecture, MBA, Law, BEL and UB. NSS Students are asked to carry plug card/ Banner with the slogans/quotes on Conserve energy for TWO minutes only and briefly lecture in front of the students.

It is understood that majority of faculty welcomed this awareness campaign, because this is the need of the hour. It was highly appreciated that all the students involved are very enthusiastically undertaken the campaign in the class rooms. Thanks to the Director (Engg. & Tech), Dr. C. Muthamizhchelvan for his suitable direction and the Registrar Dr. N. Sethuraman, SRMIST for his guidance and all the NSS faculty volunteers and program officers Mr. Ann Joe Martin, Mr. Prithviraj, Mrs. R. Devakunchari, Mr. K. Selvam for the active participation accompanied by Dr. T. Rajasekaran, NSS Program coordinator, to take up this for seven select blocks in the campus.

Few sample of awareness on energy conservation activities are shown in the pictures found below as the NSS students demonstrate, explain and interact with the students in presence of faculty handling classes.

The Scope of Hierarchically Structured Materials

STAFF WRITER

The Department of Physics, SRM Institute of Science & Technology, Ramapuram campus organised the 7th National Conference on Hierarchically Structured Materials (NCHSM 2019) recently. The conference was sponsored by Council of Scientific and Industrial Research, New Delhi.

Dr. V. Subbiah Bharathi, Director, Ramapuram campus, SRM Institute of Science & Technology presided over the inaugural function and he outlined the significance of gathering researchers and faculties to work for the advancement of science and technology. He also stated the role of science serving industrial purposes, and also to determine the problems in the physical sciences. Dr. Dr. K.N.Srinivas, Vice Principal (Academic), SRM Institute of Science & Technology, Ramapuram campus felicitated the gathering. Prof. V. Murugesan, Vice Chancellor, Annamalai University, Chidambaram graced the conference as Chief Guest. He delivered inaugural and keynote address and précised the scope of Hierarchically Structured Materials, how it engrosses in integration of science and technology and released the conference proceedings.

About 150 faculty members,

Scientists & Research scholars from various educational institutions along with various participants from Research & Development laboratories across the country attended the conference and presented their research findings.

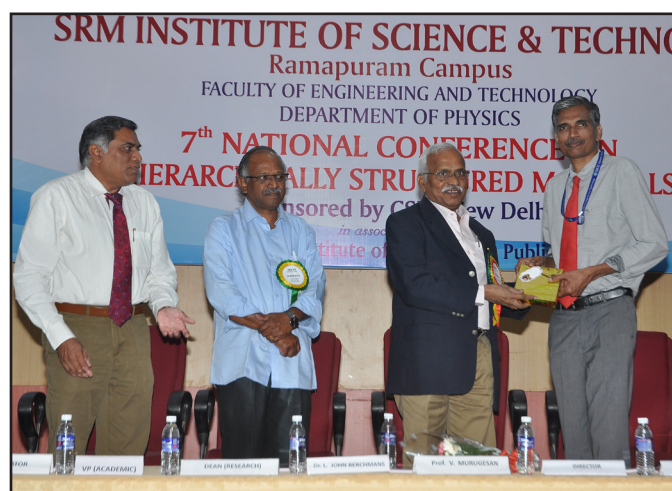
Dr. L. Sudha, Professor & Head of the Department of Physics, Convener of NCHSM 2019 welcomed the august gathering and presented the overview of the conference. Eminent scientists from prestigious institutions presented plenary and invited talks on a range of topics.

Renowned professionals like Dr. L. John Berchmans, Principal Scientist & Head, Electropyro Metallurgy Division, CSIR-Central Electrochemical Research Institute, Karaikudi, Dr. R. Jayavel, Professor Center for Nanoscience and Technology (CNST) Anna University, Chennai delivered their plenary talk.

Dr. K. Ramya, Senior Scientist, International Advance Research Centre for Powder Metallurgy and New Materials (ARCI), Centre for Fuel Cell Technology (CFCT), Chennai, Dr. T. Karthik, Scientist-C, Multilayer Ceramics Group, Centre for Materials for Electronics Technology, Thrissur, Kerala, Dr. D. Paul Joseph Assistant Professor, Department of Physics National Institute of Technology – Warangal,

Telungana State, Dr. Jayashree ETHIRAJ Young Scientist-Award winner –VIFRA, Institute Post Doctoral Fellow, Department of Chemistry, IIT Madras, delivered their invited talk which enthused the young researcher for technology transfer.

Research Scholars and Scientists from leading Universities, Colleges and R&D laboratories contributed and presented their research findings on topics such as Nanomaterials, Crystal Growth and Characterisation, Magnetic and Semiconducting Materials, Materials Characterization, Electronic Structure of Materials, Thin films. Based on the most innovative and challenging areas of conference, the best oral and poster presentations were awarded. This was a big boost for the budding scientists to carry on with their interest on research. In the valedictory function, Dr. B. Venkatachalapathy, Dean Research, SRM Institute of Science & Technology, Ramapuram campus felicitated the gathering and addressed the significance of research work in the field of hierarchically structured materials and mentioned that the conference which was conducted would enormously facilitate the academic community to allocate their knowledge for the betterment of society.



Need for India – Centric Development Model... Sri S. Gurumurthy

STAFF WRITER

SRM Institute of Science and Technology (SRMIST) recently organized a lecture under the banner “Paarivendhar Lecture Series” on the topic “Need for India – Centric Development Model” by Sri S. Gurumurthy, Chartered Accountant, Corporate Advisor and Journalist. Dr. Paarivendhar, Chancellor, SRMIST welcomed the Chief Guest, dignitaries and students for the program. He spoke about the achievements, popularity and distinguished qualities of Sri S. Gurumurthy.

In the key note address, Sri S. Gurumurthy spoke about his experiences he had by travelling across the country and observing people. He

highlighted the philosophies of Karl Marx, Max Webber, Walter Roster and many other economists. He also established the fact that Indian economy was at a high pace till eighteenth century. He emphasized that every educational institution must prepare students for the development of the economy and country, not for the marks and results. He recognized that there is no one size fit – all model and that each country must choose the model which suits its characteristics.

He spoke about the success stories of entrepreneurship ventures in small districts in India like Karur, Tirupur, Namakkal, Jalandhar, Morvi, Ludhiana. He also insisted that villages should be treated as a

business hub, since villages are the major contributors to the GDP. He quoted the example of ZOHO Corporation which is very successful in Software and Product Development.

He also insisted on the concept of original thought by quoting the example of Yugoslavia. Also he added how India came out of an economic crisis during 1998 by issuing NRI development bonds. He concluded by advising the students of SRM School of Management to tour the industrial clusters at least for fifteen days in a year to gain the first hand knowledge about business and entrepreneurship.

Dr. Sandeep Sancheti, Vice Chancellor, Dr. N. Sethuraman, Registrar, Dr. T. P. Ganesan,



Sri S. Gurumurthy Lighting the Lamp

Pro Vice Chancellor (Planning & Development), and Dr. R. Balasubramanian, Pro Vice Chancellor (External Affairs) were present in the function. Dr. Sridhar Krishnaswami, Professor & Deputy Dean,

Department of Journalism & Mass Communication, Faculty of Science & Humanities introduced the Chief Guest. Dr. V. M. Ponniah, Dean, School of Management proposed the Vote of Thanks.

Students of SRMIST win Smart India Hackathon 2019!!!

STAFF WRITER

A 6 member student Team (Binary_Bombers) from SRM IST participated in Smart India Hackathon – 2019 and stood first in the Complex Problem category put forward by India Health Link in order to come up with an innovative way to bring up a healthier India by harnessing the power of social networks. The team developed a social network that is based on health parameters which is seamlessly integrated with wearables and other devices for data collection. Also, it suggests ways to improve health for each person by using Neural Networks. The likes of Xiaomi Mi Band 2, Apple Watch, Fitbit Charge etc. were seamlessly integrated for data collection.

Also, the team came up with a very innovative idea to use an Android Phone's camera to measure Heart Rate, Breath Rate, Oxygen Saturation, Systolic Pressure and Diastolic Pressure. These metrics were collected and sent to a server to train the ML model

further for improved accuracy in suggestions. A completely user friendly dashboard was developed by the team, which worked without any hassles on all platforms. Emphasize on Mobile First strategy was praised by the judges as India has evidently higher proportion of smartphone users. Dashboard was integrated with a chat bot which could help users to clear basic doubts regarding the usage of the platform. Also, talk to a mentor was an attention seeking feature which enabled users to meet a mentor from the health industry via live video chat for further information.

After the 36-hour long hackathon, Binary_Bombers demonstrated their product to various industry leaders and judges. The team was praised for their India First approach and feasibility of the suggested business model. The entire team was offered internships and extended opportunities by multiple companies after having hands-on experience with the product.



Binary Bombers Team

The second edition of AGAM 2019!!

STAFF WRITER

AGAM is the platform where both students and corporate experts combine together through games and gain value addition through the activities they are engaged. The second edition of Agam 2019 was celebrated in Dr. T.P. Ganesan Auditorium SRMIST, Kattankulathur campus. The event was inaugurated by Thiru Ponniah, IAS Collector and District magistrate of Kancheepuram district, Mr Venkatesh Rajaratnam, COO, Gamesa India, Mr.M.K. Chandrasekaran, Vivadha Kalam host, Vendhar TV. The Chief Guest for the event was Actor Vikranth. The event was presided by The Registrar, SRMIST

Kattankulathur.

Thiru. P. Ponniah, on his speech narrated about Heuristic which means discover a land for themselves allowing students to learn by discovering things and learning from their own experiences rather than by telling them things. Mr. Venkatesh Rajaratnam in his Speech stated that two important things in business 1.Distructive practices in which mobile phones rule on today's world and 2.Banking today about the online transactions such as paytm, etc.

As a Entrepreneur we should be aligned with the latest practices to know on what's happening and changes around us must be considered and we must be

aware and agile to handle the problems in future competitions.

M.K.Chandrasekaran Vivadha Kalam Host Vendhar TV spoke about ethics and to work hard. He also stated that currency is not enough for survival but happiness is needed. Get the basic thing for survival and make your parents and your country. Micheal. J Barnes, Director of Faculty of Management highlighted the points of 7P's of being professional, cross-functioning of disciplines, developing the soft skills. He pointed out that SRM not only has disciplines like finance, HR but also includes global vermis, digital technology as well as leadership.

Technozarre 2k19

STAFF WRITER

Technozarre 2k19, a National Level Technical fest was organized by Department of Computer Science and Engineering, SRM Institute of Science and Technology, Vadapalani campus recently. The National level Tech Fest was inaugurated by Mr.Muthukumar Krishnan, Regional Group Head, TCS, Chennai. The event was presided by the welcome address of Dr.S.Prasanna

Devi, HOD CSE followed by the felicitation of the Chief guest by Dr.C. Gomathy, ECE HOD and Dr.S.Karthikeyan, Mechanical HOD. The Special address on the topic Industry 4.0 was delivered by the Chief Guest. His address was very thought provoking and it helped the students to know and understand this domain of technical industry, in an enhanced and better way. The Club report of White hat hackers club was delivered by the Technozarre Co ordinator Mr.Ashok.



L-R, D.Ashok, Dr.S.Prasanna Devi, Muthukumar Krishnan, Dr.C.Gomathy, Dr.S.Karthikeyan

Medical Camp and Swachhata Rally

STAFF WRITER

Unnat Bharat Abhiyan is a flagship programme under Ministry of Human Resource Development, Government of India to understand and work in rural areas to customize new technology and implement existing government programmes. SRM Institute of Science & Technology is one of the participating institutions under UBA and has adopted five villages – Orathur and Nattarasampattu in Kundrathur block, Thenmelpakkam, Anjur, Pattaravakkam in Kattankulathur block in Kancheepuram district.

A rally of enthusiastic students and faculties from NSS, highlighting the importance of cleanliness and recent notification from TN Government mandating “ban on one-time use and throw-away plastics” effective 1st January 2019, was flagged off by Dr.A.Sundaram, Dean (Medical), SRMIST followed by the medical camp.

The function began by observing a two-minute silence a tribute for the sad demise of our beloved CRPF jawans who lost their lives in Pulwama terror attack. Dr.V.Thirumurugan,

Associate Director (CL) and UBA Coordinator welcomed the gathering. In the augural address by Dr.A.Sundaram, Dean (Medical), he stressed the importance of inculcating simple personal hygiene practices in our day-to-day lives and extending the same cleanliness activities to our society. The chief guest of the day Mr. M.S.M. Vallavan, Deputy Supt. of Police (Vandalur Division) delivered important messages to the audience. He spoke about the martyrs of our country, encouraged students to be up-to-date with current events and patronize Tamil culture. The key message delivered by Mr.Vallavan was to wear helmets while driving. He specially mentioned about “Kavalan App”, which not only girls but anybody can download it and use on their phones for their safety. Mr.S.Christopher, Block Education Officer, Kattankulathur and Mr. T. Elumalai, Ex-President delivered special address thanking SRM for their commitment and relentless effort to take up rural development activities. Mrs.Chitra, Assistant Head Master proposed the vote of thanks. Ms. Irene Sambath, UBA Project Associate hosted the event.



Saur Urja Vehicle Challenge (SUVC) 2019

STAFF WRITER

Team ETROS from Department of Mechatronics Engineering has participated in the Saur Urja Vehicle Challenge (SUVC) 2019 held in HCET, Coimbatore recently. Many technical teams across India participated including our Team ETROS from SRMIST. Team ETROS fetched many awards including Best Overall Design Innovation Award in the event. The two seater solar car with 290Kg of weight can achieve 35kmph speed.



During appreciation from Director (E&T)

Tree Plantation Under Unnat Bharat Abhiyan At Nattarasampattu

STAFF WRITER

The students and teachers of Government Primary School at Nattarasampattu, Kundrathur block, Kancheepuram put forth a request to SRM Institute of Science & Technology for donation of plants, as there are no shaded trees in their school ground. SRMIST organized “Tree Plantation” at Nattarasampattu Government Primary School under the aegis of Unnat Bharat Abhiyan, a flagship programme of Ministry of Human Resource Development, Government of India with the aim to accelerate development and growth in villages through participatory and appropriate technologies. A team of 50 enthusiastic NSS student volunteers and staff from Maintenance Department with required equipments, planting materials and manpower visited the schools. A whole day was dedicated to this event as it required levelling the school ground with mud, followed by planting 28 saplings of Albizia saman/rain tree and Peltophorum pterocarpum/yellow flame tree, fencing and watering. Through this participatory process, local residents, students and teachers actively engaged in cleanup of the school ground and tree planting. Under the instructions of Head Master, the students volunteered to form groups and each group pledged to look after and nurture one tree.

On the same day, the students also took part in plastic awareness drives in the vicinity of the schools. This was in keeping with objectives of University Grants Commission’s directive to make swachhata part of



education and also Swachh Bharat Mission to achieve clean India by 150th birth anniversary of Mahatma Gandhi in 2019. There were interactive sessions

with students on the importance of cleanliness, sanitation and greenery. They shared their swachhata-related practices at school and home.

Enthusiasm of Mathematics

STAFF WRITER

A one day Engineering Mathematics Festival (EMF-2019) was organized recently at Faraday Hall, ESB block, Main campus under the aegis of Sri Ramanujan Mathematics club in the Department of Mathematics, Faculty of Engineering and Technology, SRM Institute of Science and Technology. The function took off with a report on previous activities on Sri Ramanujan Mathematics club given by the secretary of the club, Miss. NityaKumari. The President of the club Dr. A. Govindarajan, Professor and Head, Department of Mathematics welcomed the audience by giving a brief introduction about the origin and growth of Sri Ramanujan Mathematics Club from its inception in the year 1991 till date. He also explained how this club differs from other associations in the Engineering departments by its unique feature. The chief guest of the event Mr. S.Naveen Kumar, Co-Founder, CEO,

Navsar Engineering International, Chennai was introduced to the audience by the Vice-President of Sri Ramanujan Mathematics Club, Dr. V.Srinivasan.

The chief guest being an alumnus of the then SRM Engineering College recollected his memories dreading Mathematics as a student and realized how it has now become a part of his career. He was an active member of Sri Ramanujan Mathematics Club during his student days. In his address, the need and use of Mathematics both in profession and daily life was insisted. The guest of honour Dr. R. Rajagopal Director, Directorate of Distance Education, SRM Institute of Science and Technology, felicitated the function and declared the meet open. Entertaining events such as DUMB - C, QUIZ gave the fest more life. The individual events like CROSS-WORD, Brainstorm and Math Core paved the way for the students to display their individual talent and strength in the field of Mathematics. There were about 200 participants registered from all the leading Engineering and Arts and Science Colleges around Chennai.

The event was made a grand success by the enthusiastic participation shown by the students of various Engineering and Arts and Science Colleges. Certificates and prizes were given to the winners in all the events by the President, Vice-President of the club and Professors of the Department of Mathematics during the valedictory function held in the evening. The day long program came to an end with vote of thanks given by the Joint Secretary, Ms. Srishti Agarwal of the club followed by the National Anthem.



SRM IST Launches M.Tech Course with Virtusa

STAFF WRITER

SRM IST (SRM Institute of Science and Technology) has signed an MOU with Virtusa Consulting to launch M.Tech course on "Cloud Computing", from the academic year 2019-20.

This course, a one of its kind will see Virtusa involving itself right from the framing of syllabus, admission of the students, delivery

of the course and evaluation. Industry exposure and hands-on the latest technology are the unique features.

The students who will be admitted through a rigorous selection process, will be moulded to be industry- ready from Day-1.

The MOU was signed in the presence of Ms.Hema Mohandas, Vice President and Asia Head

(L&D), Mr.Krithivasan, Lead India Campus Hiring from Virtusa and Dr. Sandeep Sancheti, Vice Chancellor, Dr.N.Sethuraman, Registrar, Dr.C.Muthamizhchelvan, Director (Engineering & Technology), Dr.K.Ramsamy, Director (Faculty and Academics), Dr.Ganapathy, Director (Corporate Relations) from SRM Institute of Science and Technology.



Recent Trends in Robotics

STAFF WRITER

The Robotics club of SRM IST Vadapalani, organised it's annual National level TechFest "XION 19" recently. This 8th edition of Xion was packed with events like Robo Soccer, Line follower robots, Pick and Place robots, Technical paper presentation and two different workshops. The chief guest for the inaugural function was Mr. Senthil Kumar, project Director IT enabled services and the guest of honour was Dr.P.Ramesh Babu, Professor Anna University. The gathering

was welcomed by the Robotics club coordinator Dr. Anita Christaline. J and addressed by Dean (E&T) Dr. K. Duraivelu. The special guest gave an insight into the recent trends in Robotics based automation and the chief guest presented a technical talk on recent trends of software based robotic automation in IT core. Participants from many engineering colleges in South India participated in this mega event and showcased their talents in robotic design and control. One of the workshops was Robotic Process Automation in

IT core and the other workshop was Arduino based sensor bot design and Virtual reality. Both the workshops provided hands on training to the participants and competitions were held based on the training. The winners were sent for final rounds in IIT Mumbai and thereon to international level. This two day mega event was conducted with the support of Directors, Dean (E&T), HOD of ECE department Dr. C. Gomathy and other department heads. Winners were encouraged with cash prizes.



...Cross-Word, Brainstorm and Math Core paved the way for the students to display their individual talent and strength in the field of Mathematics

Awareness on the importance of helmets

STAFF WRITER

Riding a motorcycle gives riders a sense of freedom on the open road. However, there are serious dangers involved in riding without a helmet. A motorcycle does not provide the structural protection that a car does to keep drivers safe in the event of an accident. Motorcyclists need to take extra precautions to protect their body. The most important place to start is by protecting the head. It is important for motorcyclists to understand the risks of riding without a helmet. Riders who do not wear helmets are at risk of suffering a traumatic brain injury if they are in an accident. Without protection, the head is vulnerable to a traumatic impact in an accident even when traveling at low speeds. Badly, there are few incidents that take place within the campus also. Therefore, NSS planned



Medical college hospital and research centre. This orientation on the importance of wearing helmet was given by Dr. Gireesh, Deputy Dean, SRMMCH&RC, with the direction of Dr. N. Sethuraman, The Registrar and Dr. C. Muthamizhchelvan, Director (Engg and Tech) and the guidance of Dr. Sundaram, Dean SRM Medical College Hospital. Faculties organized and accompanied the program were Mr. Senthilraja, Mr. Iniyan, Ms. Asha wise, Mrs. Parimalam, Mr. Muruganandam, Mr. Veeranath, along with Dr. T. Rajasekaran, NSS Program Coordinator.

Students attended and participated enthusiastically and seriously understanding the issues in not wearing a helmet. All the students were administered a pledge for wearing helmet and ensured their friends and others who are in their loop also were helmets.

to create awareness among our students, particularly all first

year students dividing them in different groups for five days in

different venues with the support from own experts from SRM

Differential equations & its applications

STAFF WRITER

Differential Equations are absolutely fundamental to modern science and engineering. Differential equations have a remarkable ability to predict the world around us. They are used in a wide variety of disciplines from biology, economics, physics, chemistry and engineering. They play an important role in modeling virtually every physical, technical, or biological process, from celestial motion, to bridge design, to interactions between neurons, etc.

Department of Mathematics, SRM Institute of Science and Technology, Ramapuram organized one day workshop on “Differential Equations and Its Applications” recently. The purpose of this workshop is to bring together experts and young researchers and provide a common platform for discussion on recent advances and developments in Differential Equations and its Applications. More than 50 participants from various institutions participated in this workshop.

The workshop commenced with the inaugural function, with invocation and lighting of kuthuvilakku. Dr. Shakeela

Sathish, Head, Department of Mathematics and Convener of the workshop welcomed the gathering and spoke about the workshop. Dr. R. Sahadevan, Former Director, Ramanujan Institute for Advanced Study in Mathematics in his inaugural address, said that Mathematics is the language of Nature and is complicated and unpredictable. Any continuous process can be mathematically modeled in terms of equations and the governing equations are differential equations. Also he congratulated the Department of Mathematics for organizing such workshop to convey the importance of Mathematics. Vice Principal (Academic) felicitated the gathering. He emphasized the importance of applications of Mathematics and said that Engineering field cannot stand alone without Mathematics.

The first invited lecture of the day was given by Dr. R. Sahadevan, in “Analytic Methods to solve Non Linear Partial Differential Equations”. In his lecture he explained about the dynamical systems with examples. Classification of dynamical system, Non- linear Partial Differential Equations and the methods of solving them were elucidated. Hirota’s Bilinear

method, Bilinear method to Burgers equation, Bilinearisation of Korteweg – de Vries equation were discussed.

The second invited lecture was given by Dr. L. Jones Tarcus Doss, Professor, Department of Mathematics, Anna University, Chennai on “Mixed Galerkin Finite Element Methods for Kuramoto- Sivashinsky Equation. Difference between Riemann and Lebesgue integrable functions was explained. Sobolev space, Two point boundary value problem with strong, weak and classical solutions were discussed. Spline function space, Numerical method for Partial Differential Equations, Galerkin method were interpreted.

The next invited lecture was given by Dr. S.R. Manam, Associate Professor, Department of Mathematics, IIT Madras on “Connections between potentials associated with water wave scattering”. Scattering phenomenon in water waves and mathematical formulation of the same were linearised. Diffraction by a gap in a breakwater, connection between the potentials impermeable partial barriers in deep water problem, wave scattering by porous barriers, scattering by submerged porous



barrier were elucidated.

The next invited lecture was given by Dr. Nachiketa Mishra, Assistant Professor, Department of Mathematics, IITDM, Kancheepuram on “Homogenization and Multiscale Modelling, approaches and challenges”. Mathematical formulation of Heterogeneity, Homogenization of one space dimension, Cell

problem and variational form, projection operator, Galerkin Approximations, Conjugate Gradient method were interpreted.

Mr. R. Srinivasan, Coordinator, proposed the vote of thanks. The workshop was a great success with Faculty members from various institutions benefited through enriching lectures of the invited speakers

Need for Strong Math Background

STAFF WRITER

A two days workshop on Applications of Mathematics in Engineering (WAME-2019) was organised by the Department of Mathematics, Faculty of Engineering and Technology, SRM IST recently. The workshop was started with the invocation and was formally inaugurated by lighting of the kuthuvilaku by the Chief guest and dignitaries on the Dias. The convenor and Head of the Department of Mathematics, Dr. A. Govindarajan welcomed the gathering. He focussed on the problems faced by Mathematics teachers in fitting the subject to application areas relevant to the core branches of engineering. He also mentioned that the challenges faced by the Mathematics teachers are the difficulties to formulate and interpret an Engineering application. The need for e-courses and the expectation of the educationalists to make Mathematics more application oriented and not merely problem solving was emphasized. The theme of the workshop was to justify and strongly throw light on the need for strong Mathematics background to the current day engineering students. The presidential address was delivered by Prof. Kartar Singh, Director International Relations, SRMIST, Chennai. He complimented the department for having chosen a theme which is the need of the hour. He stressed the need for faculty members to be updated with current day applications of the subject and wanted it to be imparted to the students. He felt that students would understand and enjoy the subject when they come to know of its importance. This, he said, would help the students to develop their analytical skills.

Dr. Sundaraman Kesavan, Professor, department of Mathematics, SRMIST, introduced the chief guest Mr. T. Anand, Senior Manager, Vestas, Chennai-118 (ALUMNUS SRMEC-1995 batch) to the audience.

In his inaugural address, Mr. Anand shared his experience as a mentor with the audience. He emphasised the need to learn Mathematics with passion and said that he used Operations Research Techniques in most of his networking projects. The workshop souvenir was released



by the chief guest and a copy was given to all the members on the dais. One of the coordinators, Dr. Sheena Christy delivered the vote of thanks.

There were four eminent speakers drawn from esteemed institutions like IITs, NITs, Anna University and Arts and Science college, Ponneri, who enthralled the audience with their presentations ranging from basics to current research in the field of Mathematics.

The first session of the program witnessed the lecture given by Dr. B. R. Shankar, Professor and Head, Department of Mathematics and Computational Sciences, NIT, Surathkal, entitled "Eigen values, Eigen vectors, Cayley Hamilton Theorem and Quadratic form to Canonical form". He delivered a brief lecture on the above mentioned topic and emphasised the importance and use of Gauss Elimination method in solving system of linear equations. He threw light on different choice of bases which leads to various canonical forms like Jordan, Hermite and Smith, finally ended with Cayley Hamilton theorem. This was followed by an interactive practical session on the same topic. Nearly twenty questions were put forth and discussed with the audience. The active participation of the audience gave a sense of satisfaction to the speaker Dr. B.R. Shankar.

The post lunch session witnessed two lectures. Dr. Satyajit Roy, Professor, Department of Mathematics, IIT Chennai discussed briefly on the geometrical and physical aspects of vector calculus. Starting with basic concepts like gradient, divergence and

curl, he went on to show their applications in determining the direction of the vector and then the importance of the integral theorems by illustrating their applications in mechanics. He also gave the geometrical and physical interpretation of gradient, curl and divergence of a vector point function.

The third speaker of the day was Dr. S.P. Angeline Kirubha, Assistant Professor, Department of Biomedical Engineering, Faculty of Engineering and Technology, SRM IST. She enthralled the audience by giving the application of Matrices, Eigenvalues, and Eigenvectors in analysing texture features and developing biometrics. The first order and second order statistical measures calculated from grey level Co-Occurrence matrix (GLCM) and Run length matrix (RLM) aided in diagnosis of diseases such as cancer, tumours and to quantify bone mineral density. The slides and pictorial representations along with the mathematical formulae for analysing the deformities gave a strong notion of how Mathematics is involved in disease diagnosis and health sciences.

The second day started with the lecture by Dr. T. N. Shanmugam, Retired Professor from Anna University on the topic "Complex integration using Residues, Poles and Cauchy's Residue Theorem". Starting from line integrals and moving on to contour integration, a brief coverage was given on the topic. The applications of complex contour integrals and Pole-zero diagrams of Transfer functions were vividly explained. This was well supported by the tutorial

session covering all topics. He mentioned how complex functions are used in the field of Engineering and Technology, particularly in control system and how complex functions in t-domain is changed to s-domain and how discontinuous function is converted into continuous function using Z-transform technique.

Dr. Jeyaraman from L.N. Government College, Ponneri illustrated how, when physical problems represented by complex functions can be solved easily by the use of appropriate coordinate transformation/mapping. He gave the applications of Conformal mapping in Engineering. He also explained how it is applied in Electrostatics, Fluid dynamics, Magntohydrodynamics and Electrical engineering. He also elaborated the use of Laplace equation in interior and exterior Dirichlet problem, Neumann problem, problems in open disc and rectangular region.

The final lecture was given by our colleague, Dr. C. S. Boopathi from the EEE Department who highlighted the use of Numerical Linear Algebra in solving application oriented problems in TNEB using the day to day activities. He explained

how Guass elimination method and Newton Raphson method are very useful in predicting the voltage and current across the junction in Wheatstone bridge network. The practical session on linear algebra was provided by Dr. Selvakumar from the same department, who actually solved a numerical problem which is occurring in our day to day life.

The two days workshop came to a close and concluded with the Valedictory function. Prof. Ganapathy Subramanian, Professor, department of Mathematics welcomed the Chief guest and the audience. Dr. N. Parvathi, Professor, department of Mathematics introduced the chief guest Mr. Sai Prasad, (ALUMNUS, SRMEC, 1993 batch), Senior director CBRE South Asia Pvt Ltd, Chennai, to the audience. The chief guest shared his views on the importance of organising such a program and the benefits one could get from it. Dr. V. Srinivasan, Professor, department of Mathematics gave a detailed report of the two days event. The chief guest gave the certificates to the participants. The day came to close with the vote of thanks by Dr. G. Ramesh.

There were four eminent speakers drawn from esteemed institutions like IITs, NITs, Anna University and Arts and Science college, Ponneri, who enthralled the audience with their presentations ranging from basics to current research in the field of Mathematics

Importance of Personal and Work Ethics

STAFF WRITER

SRMIST, Vadapalani campus cheerfully celebrated its Decennial Annual day with a lot of relish on 22nd March 2019. The celebration commenced with the presence of Vice Chancellor, Dr. Sandeep Sancheti, Mr. J. Chandra Kumar, IAS, Campus Director and the Chief Guest Mr. Venu Uppalapati, RMG Global Head- Chennai Region, Tata Consultancy Services, and Guest of Honour Mr. A.L. Vijay, Film Director. The Annual day turned out to be a jubilant occasion with the welcome address given by Dr. K. Duraivelu, Dean (E&T).

The Chief guest Mr. Venu Uppalapati, as an electronic engineer, he spoke about recent technological innovations

in Industry 4.0, IOT, Cloud computing, AI, Virtual Reality, etc. Later he advised the budding engineers to equip themselves to be capable of getting lot of career opportunities in the above said fields. At last he insisted about both personal and work ethics which is the key to success. Director Vijay congratulated the award winners and advised the student community to come forward with their passion along with their academics. He also quotes that hard work never fails. Mr. Harish Kalyan, Actor, graced the Cultural events after the award ceremony. The students who have excelled in academics, sports, clubs, were awarded with prizes, to enliven them. Awards were facilitated to the achievers from academic and Co-Curricular areas.



SRMIST Team has wins First Place in GEO-GENIUS 2019 at IIT Madras

STAFF WRITER

A student team from the Department of Civil Engineering, SRM Institute of Science and Technology (SRMIST), has won First Prize in GEO-GENIUS 2019, a national level technical event organized by IIT MADRAS in association with L&T Construction during the period of 08.03.2019 to 10.03.2019 in connection with CEA FEST 2019. Many teams have been shortlisted from all parts of the country for final demonstration, out of which, two teams are from SRMIST and one of the team has won First Prize with cash award.

The teams were shortlisted based on the Team Description Paper (TDP) submitted to the event organizers. The submitted TDP includes the proposal for the composition of materials and reinforcement approach for the embankment.

The shortlisted teams of GEO-GENIUS 2019 were tasked to build up a model embankment with a combination of recycled construction materials and recycled reinforcement materials provided by the event organizers.

The winning team developed a model embankment using Quarry dust, GGBS and Fly ash and also used cloth bags to reinforce the embankment. The materials were combined

and compacted at optimum moisture content and maximum dry density based on prior experimental studies carried out in Soil Mechanics Laboratory and literature review. Using the materials at optimum combination, the angle of slope obtained by wrapping the batter face with cloth bag reinforcement was 43°, which was found to be the steepest among all other competing models. This approach facilitated the team to reduce right of way effectively and also minimize the fill requirements. This also enabled the model to perform well in stability check.

The judges of the event Professor Dr.Dali Naidu Arnepalli, IIT Madras, and Professor Dr.T.Thyagaraj, IIT Madras, had appreciated both the teams of SRMIST for their versatile approach towards the problem statement.

Further, The Director (E&T) of SRMIST Dr.C.Muthamizhchelvan, have congratulated the winning team comprised of third year undergraduate students, Vignesh Kumar S, Nihil Reddy G D and Jayasuriya S and wishes the mentor Mr.S.Chezhiyan, Assistant Professor, for guiding them. The Head of the Department Dr.K.S.Satyanarayanan and other faculty members also appreciated the winners and runners for their efforts made to bring laurels to the Department and University.



The entire SRMIST team of GEO-GENIUS 2019 with Dr.C.Muthamizhchelvan, Director (E&T), SRMIST and Dr.K.S.Satyanarayanan, HoD/Civil, SRMIST



SRMIST team of GEO-GENIUS 2019 with their embankment model

The varied activities of SaeIndia SRM

STAFF WRITER

SAEINDIA SRM Aerospace Collegiate Club of the Department of Aerospace Engineering was inaugurated by Dr. R. Vasudevan, HOD-Aerospace in the Aerospace Seminar Hall on 14th March 2019. The event was organized by the SAE faculty Advisors, Dr. S. Senthilkumar and Mr. S. Rajkumar. All the SAE student members as well as the office bearers were there to be part of the eventful day. The inaugural function was graced by the department faculty members, Dr. L.R. Ganapathy Subramanian, Dr. S. Sivakumar, Dr. B. T. Kannan and Mr. A. Vinoth Kumar.

There was a welcome speech by Dr. S. Senthilkumar who enumerated the SAE members about the functioning and purpose of this collegiate club.

The students were briefed about the various events that have been conducted in the past under SAEINDIA which motivated the students.

This was followed by a speech by HOD of Aerospace who encouraged the students to actively take up these activities and workshops with full ardour as this helps in giving the knowledge beyond books and classrooms. He congratulated the faculty advisors and the chairperson of the club, Mr. Parv Goyal,

Final year-Aero to have started this initiative.

The office bearers were all called up on the stage and were distributed with the official ID Cards by HOD, Dr. S. Senthilkumar, and Mr. Rajkumar and. The inauguration ceremony ended with Mr. Rajkumar giving everyone the vote of thanks.

This was followed by the RC Model Plane Workshop in collaboration with Garuda Aerospace (P) Ltd, which was organized in the Aerodynamics Lab in Hangar. This was a whole daylong event.

The theory session of the RC modelling workshop started immediately afterwards. The session was conducted by Mr. Vinoth Kumar, Assistant Professor who explained to the students about the basic principles behind an RC aircraft and briefed them about the components used. After the theory session, the students were divided in groups to fabricate the RC aircraft. The materials were supplied to each group and with the help of guide members and representative of Garuda Aerospace, the students were successful in modelling their plane by evening. Finally, flying session was conducted in the ground in front of Dr. T.P. Ganesan auditorium with the help of the flyer, Mr. Saravanan from the Garuda Aerospace for each and every group.



RC Model Plane Workshop - Theory Session



Saeindia SRM Aerospace Collegiate Club - Office Bearers



RC Model Plane Workshop - Flying Session





Developing cost effective solar PV systems

STAFF WRITER

Department of Electrical and Electronics Engineering, SRM IST, Kattankulathur, organized an IIEI sponsored two days All India workshop on Design of Solar Photo Voltaic (PV) Power System for Rural Applications. The objective of this workshop was to give the participants an intuitive understanding of solar PV systems, its design and procedure to develop cost

effective solar PV systems for rural applications. Around 30 participants from various institutions benefitted from this workshop. During the inaugural session, Dr. K. Vijayakumar, Professor & Head /EEE and convener of the workshop welcomed the gathering. Dr. K. Palani kumar, Chairman, IIEI-KLC gave the presidential address. He highlighted about IIEI, its various programs aimed for the development of students and

opportunities that IIEI presents to its members. Mr. B. Tripathi Patro, Executive Director, Visom Power Solutions Pvt Ltd, Chennai, inaugurated the workshop.

His valuable address expressed the importance of PV systems in day-to-day life. Followed by him, Dr. K. Vijayakumar, Prof & Head /EEE, felicitated the guests and Mr. C. Balaji, AP/EEE, proposed vote of thanks.



RCICD'19

STAFF WRITER

Research Conference on IOT, Cloud and Data Science was organized by Department of Computer Science and Engineering, SRM Institute of Science and Technology, Vadapalani campus on the 5th April 2019. The Conference was inaugurated by Mr. Manoharan Irulandy, Global Director-Operations, HCL Technologies and Dr. Karthikeyan Vaiapury, Scientist (R&D), Research and Innovation Retail Research Vision Head, Tata Consultancy

Services who were the chief guests for the day. Ms Rajalakshmi Srinivasan, Product Manager and Evangelist, Zoho Corporation Pvt Ltd, was the guest of honour. Dr. K. Duraivelu, Dean and Dr. S. Prasanna Devi, HOD, CSE felicitated the dignitaries. The RCICD'19 Souvenir-The book of abstracts was released and a copy of it was presented to the dignitaries. The keynote address on the topic "Industry and Ethical Outlook of IOT" was delivered by Dr. Manoharan Irulandy. He provided the students with an insight of Advancements in IOT,

The future of 5G Technology and Ethical and Legal issues of IOT. The Inaugural address was delivered by Dr. Karthikeyan Vaiapury. He highlighted the research aspects of IOT under the real time applications of Retail Automated checkout, Drones-forest tree and 3D Semantics Segmentation. The Keynote address on "Enchanting Times" was delivered by Ms. Rajalakshmi Srinivasan. She educated the students on "3 tips to innovate" and illustrated with innovative and real-time scenarios.

Solving Global Energy Issues

STAFF WRITER

To solve major global energy-related issues in a sustainable manner a three day national level workshop on "Energy Efficient Solution for Smart Energy Systems (EESS 2019)" from 14th-16th February 2019 was organised by department of EEE SRMIST, Kattankulathur sponsored by Tamil Nadu State Council for Science and Technology. The workshop started with the welcome address delivered by Dr. K. Vijayakumar HOD/EEE, Convener of the workshop. The chief guest Cdr. L. R. Prakash (Retd) Director, Centre for Development of Advanced Computing, Government of India inaugurated the workshop and

delivered the inaugural address. A Field visit was arranged for the participants to National institute of wind energy, Chennai. Technical sessions were handled by resource persons from industries and academicians, current research areas like Electric vehicle, IoT, etc., and their challenges were discussed. OPAL-RT real-time simulation technology was introduced to the participants. The programme witnessed 22 participants from various colleges, universities, industries and more than 50 students and faculties from SRMIST also attended the programme. During the valedictory function on 16th February 2019, the certificates were distributed to the participants.



J. Divya Navamani A.P (Sr.G) / EEE, Dr. K. Vijayakumar Convener of the Workshop and head of EEE department, Chief guest Cdr. L. R. Prakash (Retd) Director, CDAC, Chennai, Govt. of India and A. Lavanya A.P (Sr.G) / EEE



Dr. K. Vijayakumar HOD/EEE honoured the chief guest Cdr. L. R. Prakash (Retd) Director, CDAC, Chennai, Govt. of India

Konnichiwa Nihon!

DRUTHI JITHENDRA

Japanese culture has successfully managed to integrate itself into all aspects of life. From its food to its anime, people now recognize Japan and its culture from miles away. Known for being extremely polite and very helpful, these hardworking people have managed to make Japan a place that people long to visit at least once in a lifetime. SRM Institute of science and technology recognized this and also took an effort to introduce young minds to the opportunities that Japan presents by hosting a small seminar called Hello Japan! In which students were transported back to Japan through a series of introductory videos about Japan. Held on the 30th of March, this two-hour session proved to be very informative for students seeking to go to Japan for furthering their studies, as people representing the Japan continent explained their scholarships. Although these were important, the show stopper was the shodo (shodo) calligraphy thought to the students (Shodo calligraphy is a type of calligraphy indigenous to Japan where a brush is used to write the Japanese alphabet). There was also a Japanese quiz that held the student's attention as they strived to answer the questions related to Japan. Another highlight in the event was the one on one session with the Japanese representatives. On speaking to other students who attended this event, students had only good things to say. One student commented, "This was a new experience for all of us, we got to learn new things and it was enlightening". Some more highlights included our own SRM students addressing the dignitaries in both English and Japanese.

It's Makeover Time for Potheri Station

SADHANA UPENDRAN
INDHU KRISHNAN

Initiatives and visions have always changed the phase of this world, be it flying high up in the sky or exploring the depths of the oceans. But now it's a thought that changed the lives of thousands of people who use the Potheri railway station.

An NGO named 'Light and Life Foundation', founded by Ms.Nishtha Sen and Mr.Subhash Kumar and run by a group of enthusiastic students from SRM Institute of Science and Technology, has adopted Potheri station and maintains it. After seeking approval from the Southern Railways head office,

the work started on 10th February 2019 and involved sweeping the platform and clearing up the garbage followed by the removal of the illegal posters stuck on water taps and pillars. Working on Saturdays and Sundays as well, the group of volunteers managed to clean up the station. The most important and perhaps, the most gruelling challenge was the return of the posters. This too was resolved when, after multiple complaints, the defaulters gave in and stopped sticking posters. The next step was painting, which was meticulously done by painting every bench, pillar and finally the staircase.

Their unvarying effort and constant determination finally



The members of 'Light and Life Foundation', who reformed Potheri Station by sheer will and determination.

bore fruit when the project was completed on 3rd March, 2019 and was commemorated by placing dustbins and multiple boards saying "Swacch Bharat". The volunteers also mentioned that they were inspired by the Urappakam station adoption

project and explained how adopting the Potheri station has not just made it look spick and span but also benefited the user community by motivating them to keep their surroundings clean thus reiterating the motto of "Swacch Bharat".

"Period. End of Sentence"; Celebrating the Resilience of Women

SHIVANI ARAVINDHAN

It is said that the human race is one that is constantly evolving. Be it our thoughts or actions, we are always changing, and it is this change that has led to the creation of this short documentary on Menstruation. Menstruation is surrounded by a generous dose of stigma and prejudice. As a matter of fact many women, especially in the rural India, are struggling to break through, but the glass ceiling is starting to crack and that is the lens through which "Period. End of Sentence", an Oscar Winning documentary has been made. Directed by Rakya Zehtabchi, the film is based in Hapur, a small village in proximity to New Delhi. We are first introduced to the ugly realities emerging from the lack of education surrounding menstruation, to the various hardships that

women are forced to go through as a basic sanitary napkin is an unaffordable luxury. The film focuses on various women, all of whom represent different facets of the same issue. This small yet determined group of women gradually overcome these shortcomings by setting up their own unit to manufacture high quality sanitary products

sold at a lower price. By doing so, they not only manage to shatter the stigma attached to menstruation but are also able to be financially independent.

There have been several documentaries that cover the issue of menstruation, but what sets this one apart is that it chooses to look at the issue from an optimistic lens and though

we have a long way to go in terms of achieving menstrual equality, we are finally making slow but steady progress in getting there. In hardly 25 minutes, the Netflix documentary beautifully celebrates the spirit of womanhood and is sure to leave you with a restored sense of faith in what it truly means to empower a woman.



The stars of the Academy Award winning documentary

Ultron 3.0: A Melting Pot of Events

SAMADRITA SAHA

The CSE Association of SRM Institute of Science and Technology organized the third edition of Ultron, an annual fest with a plethora of events split over a multitude of domains,

from 29th March to 31st March 2019. Ultron 3.0 witnessed numerous participants competing with great passion and vigour in various technical, non-technical, gaming and sporting events.

Ultron was off to a blistering start as competitors in the cricketing event took to the field despite the scorching heat and enthralled the audience with an exemplary display of their prowess with the bat and ball. The coding event, titled

CodeWars, also grabbed a lot of eyeballs due to its unique format of one versus one competitive coding where a large number of programming enthusiasts squared off against one another to solve questions on various coding concepts. The other highlight of Ultron was the gaming event where avid gamers vied against each other to emerge as victors in popular games such as FIFA and PUBG. Besides, Ultron was also hosting a number

of non-technical events such as Fantasy IPL, Open Mic and Mock Placements. When asked about how he would like to see Ultron grow in the future, Sampanna Bhutada, the Secretary of the CSE Association, said, "Ultron should not be limited to just the CSE Department. I hope the students of this department are given the proper support so that Ultron is recognized as one of the most premier and quality fests of the college."



Mozofest'19: Fun, Frolic, and Beyond

ESHA DUTTA

AMEESHA SHRIVASTAV

SRMKZILLA, the official chapter of Mozilla Clubs at SRM Institute of Science and Technology inspired by the Mozilla Learning Network, was back this year with yet another edition of Mozofest: an annual three-day technical fest. A plethora of technical and non-technical events was organized which were thoroughly enjoyed by the students and staff. It was

held from 29th March 2019 to 31st March, 2019 in Tech Park and University Building.

A wide array of events was lined up. Various technical events were organized which consisted of a hackathon called 'The Debugger' that lasted throughout the last two days of the fest with three levels. It was a non-stop 2 days long competition which made the participants lose their sleep over coding. Moreover, a workshop on UI/UX was conducted on

30th March, 2019 and one on Cyber Security and Ethical Hacking was organized on the 31st March, 2019. In addition to this, there were two non-technical events as well: "Quibble 2.0" and "Chronicles of the Dark". Quibble, as the name suggests, was a captivating Quiz Contest. The latter was an adventurous game which required teams of two to participate in a mystery solving game. However, the highlight of the fest was a gaming event called "Strikeout 2.0" in which a variety of games were hosted like CS: Go, Rainbow Six Siege, FIFA'19, BLUR, and PUBG mobile. The highly successful fest was sponsored by reputed websites like WittyFeed, HackerEarth and StickerMule. The organizing committee of SRMKZILLA made every effort to make Mozofest 2019, an undoubtedly grand fest. The three days of fun and frolic were unforgettable for every participant.



The Mozofest team for the year 2019



Blood donation camp

STAFF WRITER

NSS and Red Ribbon Club (RRC) SRM Institute of Science and Technology, Kattankulathur campus organized a blood donation camp in association with SIMS Blood Bank, Vadapalani and VHSS blood bank in association with Rotary club Besant nagar, Chennai as an Alumni connect, on 4th April 2019 at MBA Block ground floor. Overwhelming number of Volunteers of different faculty and department of the university has participated with lot of enthusiasm. More than 100 donors including faculty, staff and students across the campus donated blood in this camp. A Certificate of appreciation, donation card, refreshments

was given to each donor as a token of gratitude.

The Camp was inaugurated by Dr. Leenus Jesu Martin, Director (CL) and participants included Registrar, Dr. N. Sethuraman, Director (Engg & Tech), Dr. C. Muthamizhchelvan, Dr. Raju Sivasamy, Vice president, SIMS Hospital, Vadapalani and Dr. N. Sethuraman, the Registrar, SRMIST with Dr. T. Rajasekaran. NSS Program coordinator, Mr. Senthilraja and Mr. Inian NSS Program officers. The camp was successfully conducted with the support from Dr. Gunalakhshmi, Medical officer, SIMS Blood bank, SRMIST Valapalani with team and Dr. Prema, Medical officer, Madras Voluntary Blood bureau, Chennai with team.

Being socially responsible

ARPITA RAVI

A Youth Festival was organised by the National Service Scheme (NSS) in SRMIST. The students participated in events like extempore, painting, drama and quiz, on an assortment of topics such as corruption, casteism, good governance, digital India, terrorism, start-up India, and many more.

The Chief Guests were Dr. Amutha, HOD, Department of Computer Science and Engineering, and Dr. T.V.Gopal, Director of Admissions, SRMIST.



The winner of the individual drawing contest receiving a certificate of merit

They spoke about how students are socially responsible and strongly help in society, taking an example of the Red Ribbon Club (RRC) activities. They further said that celebrations like this Youth Festival remind us that happiness is the centre of our lives.

The drawing and painting event had the theme 'Impact of Social Media', delivering a strong message on the negative effects of social media that we either ignore or are unaware of. There was apprehension in the air as the Quiz teams racked their brains to find the correct answer to questions based on digital and social India, current affairs and government policies. In the nail-biting finale, the winning team won by just a one question lead.

The winners of the events were all smiles as they were handed certificates of merit by the chief guests. The other participants received participation certificates as well, to keep their spirits up; it was the time to cheer after all! These two days truly celebrated the qualities associated with the youth; excitement, curiosity, creativity, spontaneity, and so much more.

#BalanceforBetter: Finding the Perfect Balance this Women's Day

ARPITA RAVI

AMEESHA SHRIVASTAV

To celebrate International Women's Day 2019, the Directorate of Alumni Affairs at SRM Institute of Science and Technology organised a Leadership Talk on 2nd March, where six alumnae graced the occasion. This year, the theme was 'Balance for Better', in the belief that better the balance, better the world.

Dr T. Mythili (PhD at SRMIST), Director, Student Affairs, spoke about her career, and how she balanced it along with her family. She had started her career after becoming a mother, climbing to the top by facing everything

head-on. Thirupurasundari Sevvell (B.Arch, 2011), the founder of Urban Conclave, highlighted the problems faced by women in the construction industry, where low wages is the main problem. Shweta Balambal (Bioinformatics, 2013) spoke about storytelling and how it changed her career outlook. Ujjwaal Bharadwaj (ECE, 2017), the founder & CTO at Stithi Innovations Pvt. Ltd spoke about her enriching journey from being a student at SRMIST to becoming a successful entrepreneur. Nayonika Basu (IT, 2017), Assistant Manager at Royal Enfield, was revelling in nostalgia, talking about her days at SRMIST. Nishtha Sen

(ECE, 2019), the founder of the NGO Light & Life, shared a few bits and pieces about herself and her path towards becoming who she is today.

Dr Deeptha Thattai (Civil, 1993), Associate Professor, Civil Department, gave some insight into this year's theme and marked that it is essential to teach people the various roles played by women in different spheres of life from local to international level. The end of the event made sure it was a global day celebrating the social, economic, cultural and political achievements of women - while also marking a call to action for accelerating gender balance.



Faces that made the talk a success

The difference between Learning and Understanding

TANYA AGGARWAL

Tell me and I forget, teach me and I may remember, involve me and I learn”, well said by Benjamin franklin and rightly implemented by SRM Institute of Science and Technology, which recently celebrated its 8th edition of Research Day on 28th February, 2019. It encouraged the students to think differently, work uniquely and perform splendidly. The event was held at T.P auditorium and began with the invocation followed by the words of Founder Chancellor Dr.T.R.Paarivendhar, who reminded the students about the minute difference between learning and understanding. He further explained the importance of effective learning which can be inculcated through research,

thus motivating them to choose an unconventional path which involves both creativity and innovation. Vice chancellor, Dr Sandeep Sancheti, and Honorable President Dr .P. Sathyanarayanan described research as a useful tool.

SRM invited Prof. Anurag Kumar, Director, Indian Institute of Science, Bangalore as the chief guest. He expressed his concern over the dire need for scientific population. According to him, our country’s population can be utilized as a major asset to the nation’s economy and development if it works on excelling in every aspect and field through research and practical knowledge. Dr.S.Guruprasad, Director General -PC&SI, DRDO, New Delhi was the



Chief Guest awarding prize to one of the winners.

guest of honor. As an expert in Computer Aided Engineering Innovation, he highlighted the importance of research in the field of engineering and the optimal use of technology. He wanted the students to adopt a

systematic, analytic and creative approach while solving complex problems.

Maintaining the legacy of SRM, the students showed an extraordinary performance in the

field of research and hence were awarded with prizes by Pro VC Planning and Development Dr T.P. Ganesan, Pro VC Faculty of science and Humanities Dr.R.Balasubramaniam and Dean Medical Dr.A.Sundaram.



EEE Alumni Entrepreneurs Meet

STAFF WRITER

Alumni Association of EEE organized an Alumni Entrepreneurship Meet in Faraday Hall, EEE Department . This event was inaugurated by Dr. Deeptha Thattai , coordinator Alumni Affairs SRMIST and Dr. K. Vijayakumar, HOD (EEE).

The program started with a welcome address by Dr. K. Vijaykumar followed by Presidential Address by Dr. Deeptha Thattai which was followed by the presentation of mementos to our Alumni as a token of appreciation for all that they have achieved. All six entrepreneurs shared their experiences and nuances involved in the business Idea, how to

go forward with idea implementation, their failures, the obstacles they faced and finally how they reached the position that they are in today. They also gave their contact details for students who were interested for internships or jobs.

The session was really informative and inspired our young business enthusiasts to go forward with their idea with proper planning, our guests also had a one on one session with the interested participants with regard to their ideas.

All in all it was a very inspiring, motivating and thought provoking session where all the students were completely absorbed in the event. Dr. R. Sridhar, Alumni Coordinator, EEE Department proposed vote of thanks.

Collaboration between Nokia and SRM IST, Vadapalani Campus

STAFF WRITER

SRM IST, Vadapalani Campus and Nokia Solutions and Networks Ltd have entered into an agreement for collaboration by signing a Mutual Non-Disclosure Agreement (NDA) at the SRM IST, Vadapalani Campus. The agreement would focus on arranging Industrial visits, Guest Lectures, Internships, Project guidance for SRMIST students, by the Nokia Team.

Nokia Solutions and Networks Ltd and SRM IST, Vadapalani Campus have also collaborated to support the IoT RESEARCH AND INNOVATION LABORATORY which is sponsored by The Institution of Engineering and Technology Chennai Local Network (IET CLN). The Lab was inaugurated by Mr. Ramkrishna Patra, Head – Manufacturing Solutions & IoT Cluster, Nokia Solutions and Networks Ltd. It is the first time in India that Nokia has supported such



Mr. Ramkrishna Patra was impressed with the students' projects based on IoT, Virtual Reality. He also gave constructive inputs to the projects.

a laboratory outside their Oragadam Factory. During the inauguration of the Lab Mr. Agni, Specialist, Innovation Management, Nokia Solutions and Networks Ltd spoke about the various projects completed by our SRMIST students for Nokia. He informed the audience that around 25 students have already been given Internship in Nokia and they have completed close to 15 projects for Nokia.

