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The Founder Chancellor of SRMIST at the inaugural of ICRAMC'18 along with scientists from India and overseas.



Laziness is the biggest enemy... Founder Chancellor

STAFF WRITER

The culture of political parties and politicians doling out freebies will have to cease if the country is to grow in a meaningful and all round fashion but this will take some time, remarked the Founder Chancellor of the SRM Group, Dr. T.R. Paarivendhar.

“Our agricultural system is not properly planned and guided. Putting money alone is not enough. The government has spoilt everyone by freebies. This will only make the youth useless and lazy. And laziness is the biggest enemy”, Dr.

Paarivendhar observed.

The Founder Chancellor was at an interactive session on the Indian Budget and its implications with Mr. Soma Valliappan, renowned economist, chartered account and prolific writer on financial issues. The Founder Chancellor stressed the importance of entrepreneurship and agriculture in India but generally made the point that what the country lacked was confidence. “We have to create that confidence” he maintained.

Mr. Valliappan, for his part, talked about the different aspects of the budget—the structure,

purpose and effect along with its strong connect to the Indian constitution. The Budget of 2018-19 had as some of its features the inclusion of the Railway Budget, the first after coming into effect of the Goods and Services Tax (GST) and the last budget before the Parliamentary Elections of 2019. The next budget will have no frills or freebies, it was pointed out. The distinguished speaker also spoke of other aspects related to the Union Budget such as the Economic Survey of India, the Twin Balance Sheet, doing business with or in India, direct and indirect taxes.

SRMIST Bags Top Award For Patents

STAFF WRITER

Recognising the outstanding contributions of faculty members and students of SRM Institute of Science and Technology towards the creation of Intellectual Property in India, the Intellectual Property Office under the Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India awarded SRMIST the most prestigious National Intellectual Property Award 2018 in the category of “Top Indian Academic institution for Patents & Commercialization” in recognition of significant achievements in the field of Patents.

This award was received by Prof. Sandeep Sancheti, Vice Chancellor, SRMIST from Mr. Suresh Prabhu, Minister of Commerce and Industry, Govt. of India at a felicitation ceremony on April 26, 2018 at Hotel Le-Meridien, New Delhi.

“...Government of India awarded SRMIST the most prestigious National Intellectual Property Award 2018 in the category of “Top Indian Academic institution for Patents & Commercialization”



Digital Marketing and Re-engineering Productivity Guest Lectures

STAFF WRITER

A Guest lecture by Mr. Mohamed Imram, Business Development Manager, Mrs. MadhuSmitha Satapathy, Placement Coordinator and Mr. Kaalvin, Business Development Manager of Synergy School of Business Skills delivered a series of lectures for the students of SRM Ramapuram B-school.

Mr. Mohamed Imran addressed students on the title “Trends in Digital Marketing”, Mrs. Madhusmitha delivered a talk on “Scope of Human Resource Management in current scenario and Mr. Kaalvin presented a lecture on “Importance of soft skills for MBA graduates”.

The lecture has proven to be very informative for the students. He also shared his contact details for further queries.



Mrs. MadhuSmitha Satapathy, Placement Coordinator Synergy School of Business Skills addressing I MBA students



Mr. Mohammed Imram, Business Development Manager, Synergy School of Business Skills delivering a lecture to I MBA students

STAFF WRITER

SRM Ramapuram B-School organised a guest lecture on the title “Re-Engineering Productivity” recently for I MBA students. Mr. Hareesh Iyer, Chartered Accountant, Cavinkare Private Limited, Chennai addressed the students and shared his real time experiences.

The major topics discussed were, how company focuses on maintaining customer needs, how to reorganize business into cross-functional teams and redesign core process using information technology. Students found the session very interesting and informative. The energizing and encouraging words of Mr. Hareesh have made a positive impact in the minds of students.



Mr. Hareesh Iyer, addressing the students



The Director of Faculty of Science and Humanities Dr.R.Balasubramanian presenting a memento to Ambassador Ganapathy with other dignitaries looking on

Media and National Security: Sensitising the Faultlines

STAFF WRITER

Journalism and journalists seem to be under siege and not just from totalitarian regimes and tin pot dictatorships. Media houses are feeling the heat even from established democracies and civilized societies who have the supreme onus of protecting freedom of speech and expression. A guarantor of rights, the state is now increasingly seen as standing in the way of the right to report and the right to know when it comes to issues of national security. Even in India the issue of “reasonable restrictions” has been addressed by the apex court which has determined that “reasonable restrictions” cannot be arbitrary or excessive. But who determines or defines what is “arbitrary” or “excessive”?

On March 12 and 13, 2018, academics, journalists and bureaucrats familiar with Media and National Security gave their views and interact with the student community at SRM Institute of Science and Technology, Kattankulathur Campus under the aegis of the

Young Journalists’ Association of the Department of Journalism and Mass Communication, Faculty of Science and Humanities. The two day conference was held in association with the Observer research Foundation, Chennai as Knowledge Partners.

The inaugural session saw the participation of Mr. N. Ravi, Publisher of The Hindu Group, Ms Lauren Lovelace, Consul for Public Diplomacy and Public Affairs, Consulate General of the United States of America in Chennai and Mr. M. Ganapathy, Former Secretary (West) of the Ministry of External Affairs, GOI. The Director of the Faculty of Science and Humanities, Dr. R. Balasubramanian welcomed the gathering with the Vice Chancellor Dr. Sandeep Sancheti and Registrar, Dr. N. Sethuraman of SRMIST offering felicitations. Ms R. Harini of first year B.A. Journalism and Mass Communication rendered the invocation dance. Dr. Archana Arul, Head of the Dept. of Journalism and Mass Communication proposed the vote of thanks.

At the Valediction the main speakers were Dr. Narayan Lakshman, Associate Editor of The Hindu, former Ambassador of India to Iceland, Mr. S. Swaminathan and Mr. Seshadri Vasan, former Commodore of the Indian Navy and currently Director of the Chennai Centre for China Studies. Dr. Gladson Clifford Joe and Mr. Shiva Shankaran Assistant Professors in the Dept. of Journalism and Mass Communication welcomed the gathering and proposed the vote of thanks respectively. There were two panel discussions: first, Understanding Mindsets Chaired by Colonel R.Hariharan, former Military Intelligence of the Indian Army and Managing Editor of Puthiya Thalaimurai, Mr. Karthigaiselvan. The second was on National security, Law and Media, Chaired by Dr. Geetha Madhavan, President of the International Law and Strategic Analysis Institute, Mr. N. Sathiya Moorthy, Director of the Observer Research Foundation, Chennai and Dr. Vinitha Revi, Senior Researcher of ORF in Chennai.



The Vice Chancellor, Dr.Sandeep Sancheti greeting Ms.Lauren Lovelace, Consul for Public Diplomacy and Public Affairs, American Consulate, Chennai.



The Registrar, Dr.N.Sethuraman, giving a memento to Mr.Ravi of the Hindu



Ms.Lovelace addressing the Conference





Dr.K.Duraivelu, Dean (E&T), Dr.K.Jayanth Murali, IPS, ADGP (Crime Branch), Vice Chancellor, Dr.Sandeep Sancheti, Mr.Anbuselvan, IAS, District Collector, Chennai, Mr.J.Chandra Kumar, IAS, Campus Director

Success is definite with hard work...VC

STAFF WRITER

SRM IST, Vadapalani Campus cheerfully celebrated its 9th Annual day with a lot of relish on 23rd March 2018. The celebration commenced with the presence of our highly esteemed Vice Chancellor, Dr. Sandeep Sancheti, Mr J Chandra Kumar, IAS, Campus Director and the Chief Guests Mr. Anbuselvan, IAS, District Collector, Chennai, Dr. K. Jayanth Murali, IPS, ADGP (Crime) Govt. of Tamil Nadu. The Annual day turned out to be a jubilant occasion with the welcome address given by Dr. K. Duraivelu, Dean (E&T). During his speech, The Campus Director advised the students to be determined, set goals, work towards it to be successful. In the presidential address the Vice Chancellor assured that a lot of improvement is to happen in days to come via networks, Virtual Labs etc. and hence



Prize distribution to the academic toppers

there is a need to for students to achieve great heights in all shapes like Academics, Sports, Cultural. Every Individual is Unique and success is definite with hard work. The Chief guest Dr. Jayanth Murali, marveled the students with thought provoking facts and said in order attain success he urged the students to have massive dreams, write down the ideas, action plan and work towards the same with dedication and do all it takes to achieve success. Mr. Anbuselvan, inspired the students to become entrepreneurs so as to give jobs

to the citizens of India by using various schemes offered by the Government to start small and large scale business. The students who have excelled in academics, sports, clubs, were awarded with prizes, to enliven them. The cultural events were grandstanded to leave the audience stand in Awe with a blazing performance of band show, stunning style walk and unparalleled dance performance. This Annual day happened to be where "Memories are unforgettable, remaining ever vivid and heartwarming" - Joseph B Wirthlin.

Merchandising at its best— Bazaar 4.0

INDHU KRISHNAN

The 4th edition of Bazaar, a lifestyle retail expo organized by SRM School of Management, witnessed a large footfall during its scheduled span. The opening ceremony was graced by entrepreneur Vijay Kapoor, founder of one of India's leading fashion brands, Derby Jeans. Each year, Bazaar brings students, start-ups, commercial retailers and sponsors under one roof where they market their business ideas and products to the targeted customers. This year's edition, convened by Professor Bensing Joshua (SRM School of Management), had 70 stalls in total and the variety ranged from clothing and fashion products to gadgets and accessories. Some of these included exhibits of the students' artwork and craftsmanship. A plethora of food and beverages stalls also packed the Tech Park Avenue, the prime location of the Bazaar.

Student participants were

allowed to set up their stalls in a group of a maximum of 5, assisted by a faculty member. The motive was to give them a practical insight into entrepreneurship, retailing and marketing. To furnish them with the experience of a challenging market, competitions were also held among the students. Prizes and mementos were awarded under different categories including Best Innovation, Best Visual Merchandise and Best Participation on the last day of Bazaar 2018. All participants received a Certificate of Participation. "We've gained a good practical knowledge of finance, marketing, and sales, all by setting up one small business at this place," asserted Divya Kohli, a 1st year BBA student, who ran a successful food stall with her friends at Bazaar 4.0. Bazaar has also proven to be profitable to its sponsors like Yamaha, Wildcraft, and Nightingale over the years and observed participation from them yet again in this edition.



A food stall being set up by the students of School of Management on the 2nd day of Bazaar 4.0

REACT 2018

STAFF WRITER

REACT is the national conference organized by Department of ECE, SRM Institute of Science and Technology, Vadapalani. It focuses on recent research in electronics and communication Engineering. This is the 4th national conference conducted by ECE dept in our campus. It offers a platform for young budding engineers and research scholars to showcase their research work.

The inaugural function commenced with lighting of "kuthuvilaku", a symbol of wisdom. Dr.C.Gomathy, HOD of ECE department, addressed the dignitaries on the dais and welcomed the gathering. Dr.A. Shirley Edward, Coordinator, REACT'18 presented the Conference report. The special address was given by Dr.K.Duraivelu, Dean (E&T). He spoke about industrial revolution to digitalization. The chief guest Dr. Latha Christie, Associate Director and Scientist

G, DRDO Bangalore, delivered the inaugural address. She spoke on basics of electromagnetic spectrum for space and warfare application. The guest of honor was Mrs. Naveena Swamy, Chief innovation officer, IIT Madras Research Park. She spoke about innovations and startups. The inauguration was followed by keynote session on "EM spectrum for space and warfare applications" by Dr. Latha Christie followed by a keynote session on "Startup Fairy Tales from Silicon valley and India" by Mrs. Naveena Swamy. On the second day a session was arranged on "Engineering problem Solving"

by Dr.Shreepad Karmalkar, Professor, IIT Madras followed by the paper presentation sessions.

The papers of the Conference were segregated into four broad areas namely: VLSI and

Embedded Systems, Sensors and Instrumentation, Wireless Communication and Networking and Signal and Image Processing. Around 160 papers were selected out of the papers received for the conference.



(L to R) Dr.C.Gomathy, HoD, ECE Department, Dr.Latha Christie, Associate Director, Scientist-G, DRDO, Bangalore, Ms.Naveena Swamy, Chief Innovation officer, IIT Madras Research Park, Dr.K.Duraivelu, Dean (E&T), SRMIST, Vadapalani, Dr.A.Shirley Edward, Co-coordinator, REACT'18



Participants at the workshop

Recent advances in fluid dynamics and its applications

STAFF WRITER

Mathematics is playing an important role in the physical and biological sciences, provoking a blurring of boundaries between scientific disciplines and a resurgence of interest in the modern as well as the classical techniques of applied mathematics

Fluid dynamics, the behavior of liquids and gases, is a field of broad impact in physics, engineering, oceanography, meteorology, etc., yet demands full understanding of fluency in higher Mathematics. Fluid dynamics has a wide range of applications, including calculating forces and moments on aircraft, determining the mass flow rate of petroleum through pipelines, predicting weather patterns, understanding nebulae in interstellar space, modeling fission weapon detonation, biomedical research and medical diagnostics, etc.

Department of Mathematics, SRM Institute of Science and Technology, Ramapuram organized one day workshop on “Fluid Dynamics & Its Applications” recently at TRP auditorium, Ramapuram campus. The purpose of this workshop is to bring together experts and young researchers and provide a platform for discussion on recent advances and developments in Fluid Dynamics and its Applications. More than 50 participants from Various Educational Institutions participated in this Workshop.

The day began with the inaugural function by invocation and lighting the kuthuvizhakku. Dr. Shakeela Sathish, Head of the Department of Mathematics and Convener of the workshop



Dignitaries lighting the kuthuvizhakku

welcomed the gathering. Dr. G.S.V.L. Narasimham, Chief Research Scientist, Indian Institute of Science, Bangalore, in his inaugural address, said that Fluid Dynamics is rich with vast concepts. Without Mathematical background it is not possible to study Fluid Dynamics.

Dr. K.C. Udaiyakumar, Vice Principal (Academic), delivered the Presidential address. He praised the Department of Mathematics for taking efforts in conducting a workshop on Application of Mathematics in Fluid Dynamics. He further said that critical thinking is required when it comes to research.

Inaugural session was followed by invited talks by eminent Mathematicians. The first invited lecture of the day was given by Dr. G.S.V.L. Narasimham on “An Overview of CFD Techniques”. He explained about CFD which is used for formulating and solving problems involving fluid flow, heat transfer, mass transfer, combustion etc. Limitations of CFD, steps for solving a problem of CFD, vorticity- velocity formulation were explained. He then elucidated about the types

of meshes through diagrammatic examples. Algorithms for primitive variable formulations, Convective differencing schemes were discussed.

Dr. Y.V.S.S Sanyasiraju, Professor, Department of Mathematics, IIT Madras delivered a talk on “True upwinding using RBF based meshless schemes”. He discussed about Polynomial Interpolation where he said Radial basis function came as a replacement to Lagrangian Interpolation which can’t be used on surfaces. RBF as an interpolation tool was explained. Finally, RBF as a collocation to solve PDE’s, asymmetric collocation, convection- diffusion equation were discussed.

The next invited lecture was given by Dr. R. Usha, Professor, Department of Mathematics, IIT Madras on “Spin Coating”. She explained thin film through the example of thin tear film over the cornea which prevents dry eye syndrome. She discussed about spin coating for application of thin films. Important factor in spin coating- Repeatability, spin coating process, static and dynamic dispense, acceleration and drying step, spin speed, film thickness, balance between centrifugal force and viscous resistance were all explained effectively. Applications of spin coating, theoretical and computational model of spin coating, numerical solution for infinite and finite acceleration and acceleration phase of the spinning disc were interpreted.

Dr. Satyajit Roy, Professor, Department of Mathematics, IIT Madras, gave the invited lecture on the topic “Non – uniform Mass transfer and inverse problems in Boundary Layer Flows”. Topics such as temperature dependent viscosity and Prandtl number, uniform and non- uniform mass transfer through slot, potential flow velocity, and Varga’s algorithm were discussed. Flow model, potential flow velocity and inverse problem in boundary layer flows were explained.

The intensive exposure to the subject, through presentations and discussions led by multiple experts, renewed our motivation to pursue higher productivity and fulfillment of professional and academic goals. Mrs. R. Vijayalakshmi, Coordinator, proposed the vote of thanks. The workshop was a great success with Faculty members from various institutions benefiting through enriching lectures of the invited speakers.



Prize distribution

Mathematics is the basic of all fabrications...

STAFF WRITER

Mathematics is applied in technology, engineering, media, medicine, finance, business, science, nature, sports, etc. The Association of Mathematics “Fractal” of Department of Mathematics, SRM Institute of Science and Technology, Ramapuram, conducted three days Math Fest “Mathema 2018” recently. The purpose of conducting Mathema - 2018 is to enhance the mathematical talents and skills of the students.

The inaugural function was held at the Seminar hall of Block III. The event began with the welcome address by Dr. Shakeela Sathish, Head of the Department, Mathematics. The office bearers of Mathema 2018 were officially presented by Dr. K. C. Shivakumar, Professor, Department of Mathematics, IIT Madras by handing over the Badges to them. Vice Principal (academics) felicitated the gathering.

Dr. K. C. Sivakumar in his inaugural address encouraged the students to participate in more number of such events which will sharpen their mathematical skills. Dean (E&T) in his Presidential address expressed his astonishment on astronomy which is a mathematical science for predictions. He said that mathematics is the basics for all the fabrications from nature where it finds its applications in architecture, music, etc. Vote of thanks was proposed by Mrs. S. Padmapriya, Assistant Professor, Department of Mathematics. Various competitions were conducted on the first day of the event.

The second day of the event commenced with a Guest talk by Mr. S. Rajesh, a budding entrepreneur. He is a HR consultant in ARMS (Academic

Relationship Management System) and partner of Madras curry cup—well known south Indian restaurant. He shared the journey of his career. His multiple ventures in multiple domains where he also started House of Tutor in 2015. This won 3 best startup awards. After the guest talk by Mr. S. Rajesh, the competitive events of the second day were held which were organized by various startup companies run by our own students.

During 3 days various events like Count Me In, Aloha, Divide and Conquer, Dig-It, Dumbstruck, Play ON, Matheminch, Math π rates, Impatient Funtion were conducted. More than 300 students participated in the competitions. The final day of the event commenced with the participants who were qualified from the first two days, competing to win the prizes. Dean (Science and Humanities) was the Chief Guest for the Valedictory function. He said that Mathematics will nurture various aspects like creativity, critical thinking and problem solving ability of the students. He then distributed the prizes to the winners. Asim saket samad, Pratik Agarwal, Saurabh Jain of IT 3B won the first prize. Neha Nithanth. Jabelul Islam, and Himanshu Mishra of I year Civil secured the second prize. Shubham Gupta, Shraman Das, Pranav Kulkarni of First year CSE-B won the third prize. The office bearers of the association were honored with certificates of appreciation.

Vote of thanks was proposed by the President of the association “Fractal”. The event was successful where students didn’t just solved problems but also analyzed how difficulty level of a problem can be minimized with a slight change of perspective.

Hawking: - The theory of everything

DRISHTI PARWANDA

Stephan William Hawking is a great researcher, theoretical physicist, cosmologist, the former Lucasian Professor of Mathematics (a position once held by Sir Isaac Newton) at the University of Cambridge and author of "A Brief History of Time" which is an international bestseller. Born in a small town in London, Dr. Hawking studied Physics at the Oxford University although he wanted to pursue mathematics. He later joined the Department of Applied Mathematics and Theoretical Physics (DAMTP) at the University of Cambridge to do

research in cosmology, because there was no one working on this at Oxford that time.

In 1963 he was diagnosed with Amyotrophic Lateral Sclerosis (ALS), a motor neuron disease and given two years to live. In spite of this knowledge, he continued to work in the field of Cosmology and astrophysics. He gave the theory on black holes and the formation of the universe as well as the fact that these black holes emit 'hawking radiations'. While his disease slowly took away his ability to walk, swallow and talk due to progressive neuron degeneration, his intellect remained intact. The



Stephan Hawking experiencing weightlessness.

physical disability was barely a barrier to the greatest theoretical physicist of all time. Professor Stephen Hawking received

thirteen honorary degrees. He was awarded many awards and prizes for his work to study time, black holes, the universe and the

theory of everything in general. His life was the inspiration to the the award-winning film of the same name and many other TV series. His life is an inspiration to any modern day scientist while his disease constitutes only a small part of it, which is evident from his own website. He had a family, three children, grandchildren, great sense of humor and immense knowledge, that made him a great public figure. Thanks to the Zero-G Corporation, he experienced weightlessness in 2007 and always hoped to make it into space one day.

With his death, the world mourned the end of a legacy while we still live in the awe of what else is left to be discovered!

World Rare Disease Day

SYED ABSAR HUSSAIN

Rare disease day is celebrated around the world on 28th February. The main objective of Rare

Disease Day is to raise awareness amongst the general public and decision-makers about rare diseases and their impact on patient's lives. Statistically, there

are 14000 rare diseases in this world out of which 7000 have no diagnosis, thus the celebration of this day encourages researchers and decision makers to address such diseases and work for the people suffering from it.

Rare disease day was organized by the Department of Genetics Engineering SRM University in association with the Cambrionics Life Science (Start Up). Children were called into the SRM University campus from the Sankalp School and the students from the genetics department spent a full day with them playing, singing, dancing and drawing. The two speakers called in on the day of the event were Dr. Sujatha Jagdeesha and Dr. Govindasamy Kumaramanickavel who spoke extensively on rare diseases, its importance, diagnosis, problems the society faces, etc. At the end of the event, the students from the Sankalp School were provided with lunch packets.

A fundraising event for these students was also organized in the form of a Marathon called the Rareathon on 4th of March 2018 in which about 100 students from the campus took part. Poster presentation competition was also organized, the registration fees of which also went to the specially challenged students from the Sankalp School for the special. The students of the genetics department along with faculty left no stone unturned in adding all the good and positive elements to the event and made it a grand success.



snapshots from Rare disease day

समाज में बढ़ते मनोविकार हृदय साहित्य के परप्रेक्ष्य में।



तकनीक और करियर में खोए समाज को हृदय के व्याकरण की जरूरत है। प्रेम, श्रद्धा, उत्साह, भक्ति, करुणा जैसे शताब्दियों से मनुष्य के जीवन को उत्कर्ष देने वाले भाव भी आज के समय में बीमार नजर आ रहे हैं। यो प्रेम से बड़ा कोई रसायन नहीं है, पर इतने फलिमी गीतों और वॉलेंटाइनों के बीच जीवन में प्रेम का दाम्पत्य- राग तलाक में बखिर रहा है। श्रद्धा तथाकथितों के चरणों में विकलांग है। करियर की चिता युवा शक्ति को मैकेनिकल दौड़ लगवा रही है। ऐसे में साहित्य उन मनोभावों को सींचने का काम कर रहा है, जो वास्तविकताओं से टकराते की प्रतरोध शक्ति देता है और कोमल समवेदनाओं से जीवनी शक्ति भी देता है। ये वचिर एसआरएम वज्जिज्ञान एवं तकनीकी संस्थान के वज्जिज्ञान एवं मानविकी संकाय के हृदय विभाग द्वारा आयोजित राष्ट्रीय संगोष्ठी में साहित्यकार प्रोफेसर बी.एल.आच्छा ने व्यक्त किए।

संस्थान द्वारा समाज में बढ़ते मनोविकार हृदय साहित्य के परप्रेक्ष्य में' वषिय पर आयोजित राष्ट्रीय संगोष्ठी को संबोधित करते हुए डॉक्टर सुधा त्रिवेदी ने कहा कि आक्रमकता, क्रोध, हसि जैसे मनोविकार हमारी जदिगी का हसिसा बनते जा रहे हैं। करियर का दबाव भी युवा पीढ़ी के मनोवज्जिज्ञान का चतिनीय हसिसा है। इन सब से ऊपर है जदिगी का आनंद और इसी को पाने में हमारी सार्थकता है। लेखिका रोचिका शर्मा ने मनोविकारों के संतुलन के लिए सकारात्मक उपायों की चर्चा की और युवा रंगकर्मी नखिलि यादव ने भी युवा शक्ति की समस्या और उनसे नजित पाने के लिए सकारात्मक दृष्टि पर बल दिया। आरंभ में हृदय विभागाध्यक्ष एस.प्रीति ने अतिथियों का स्वागत किया और बताया की कैसे हम अपने समाज में खासकर युवा पीढ़ी में बढ़ते मनोविकार को कम कर सकते हैं। आज हम समाज को एक नई दशि दे और युवा पीढ़ी में नई बदलाव लाये इसलिये आज हम सब यहाँ एकत्रित हुए हैं। अंत में सभी का आभार प्रदर्शन सहायक प्रोफेसर डॉक्टर रजिया बेगम ने किया।

The Element Enigma: CHEMFLUX '18

AMEESHA SHRIVASTAV
AISHWARYA A R

Chemflux is an Annual National level Technical fest conducted by the Department of Chemical Engineering, SRM Institute of Science and Technology. The fest foments the engineer within the students and gives them an opportunity to interact with industrial experts. The event was initiated in 2014 and has aided over 1500 students to sculpt their abilities through more than 30 events in its previous editions.

This year, the fest was themed on advancements in chemical technology and futuristic applications. It was organised recently in the Bioengineering block. As part of the fest, four major technical events were conducted—Chemaze, Recalibrate, Paper Presentation and Poster Presentation. Each event deeply focused on shaping the thought process and enhancing the abilities of students. The topics for paper and poster presentations were Fuel Optimization, Advancements in Reaction Chemistry, Waste to Energy Conversion, Separation of Techniques, Green Chemistry, Advanced Water Treatment Methodology, Fluid Mechanics and Industrial Applications, and Heat Transfer through Nanoscale and Bioprocess Engineering. The topics helped students relate their studies with the new advancements in their field of study and modern world logistics. It also emphasised the fact that subject knowledge is incomplete without awareness of the upcoming trends in the field. The fest also comprised events of collective interests



The chief guest inaugurating the event



Students participating in various events

for the bibliophiles as well as the dexterous ones. The non-technical events included Minute To Win It, Treasure Hunt, Pictionary, Turn Coat, Memory Match and Football which the students found new, refreshing and educative.

A large number of students participated in the event and treated their brains to an educative roller coaster ride. The organisers and students passionately worked towards making the event a success and look forward to doing so in the future as well.



Decorations for the event

The Quest for Knowledge begins at Nocturnes '18!

TAVISHI PRIYAM
SHUBHENDU OJAS
TEWARY

The SRM Quiz Association, consisting of a talented bunch of quizzers from SRMIST, organized a National Level Quiz Fest, Nocturnes '18 recently. The fest consisted of 4 quizzes with different fields of focus and was held at the MBA Seminar Hall of the SRM Institute of Science and Technology.

It commenced with one of the most popular quizzes, SciBizTech, hosted by the esteemed quizmaster Mr. Kiran Vijayakumar. The India Quiz followed, handled by Abijit Hariharan and Anantharaman V. Along with the participants, the audience members were given equal opportunities to answer some of the questions and win attractive prizes. The third quiz was an amalgamation of several different fields of interest - Movies, Entertainment, Literature, Arts and Sports (MELAS).

With participants from several states across the country and a total footfall of over 300, the fest was a major success. The student heads of the Association, Venkat Lakshmanan and Varsha Suresh, when asked about their experience said, "Nocturnes turned out to be everything we had hoped for and more. The event was a grand success and the look of sheer joy and excitement on every participant's face through the quizzes assured the same and gave reason to pat ourselves on the back. It means a lot to us and all members of the association for this was, and shall always be, an event that is

“
Nocturnes
turned out to be
everything we
had hoped for
and more
”

one of a kind on our campus. We're looking forward to a similar response next year."

The event came to a bittersweet end on the second day with the prize distribution for the final quiz, Lone Wolf. All the participants and the organisers were extremely happy celebrating the success of an amazing fest that provided incredible opportunities and unforgettable memories. Being the first flagship event organised by the SRM Quiz Association, Nocturnes '18 left every person longing for the next edition.



Mr. Kiran Vijayakumar elucidating a particular question in the SciBizTech Quiz



The organising committee of Nocturnes '18

Sharing Experiences

STAFF WRITER

SRM Ramapuram B-School organized an alumni talk by Mr. Shri Sudharsahn (Alumni 2009-2011 Batch), Head-Operations, S P Global Ventures Pvt Ltd, Chennai. It was an inspiring speech by Mr. Shri Sudharsan, where he shared his experience in SRM

University and his workplace. He talked about placements in SRM. He was the second student to get placed in placements in S P Global Venture Pvt Ltd with a very good package, on seeing his extraordinary performance; he was given promotion and he enjoyed taking responsibilities. He shared a few experiences where he was put down by his co-workers. He also shared his thoughts about recruitment process in Sp Global Ventures and Air Asia. He assured students that he will assist them in guest

lectures, industrial visits, internships, projects, etc. It was an interactive session and students got valuable information about the Aviation industry and he also gave an idea about how to choose our specialization.





MILAN 2018

STUTI ARORA
ESHA DUTTA

With immense expectations for a star-studded line up, the 11th edition of the national level annual cultural fest of SRM IST, MILAN 2018 was inaugurated recently. Since its inception in 2008, Milan has raised the bar every year and has gained the reputation of being the most awaited cultural fest of the year. The five day festival was held from the 7th to the 11th of March and was superintended by the Directorate of Student Affairs.

The inaugural function on the 7th of March was presided over by Dr. T. R. Paarivendhar, Founder Chancellor, SRM Institute of Science and Technology along with Vijay Devarakonda—Tollywood Actor, Vice Chancellor Dr. Sandeep Sancheti, Registrar Prof. N. Sethuraman, and Dr. (Col) C.P. Ramchandani Director—Student Affair & Campus Life. Vijay Devarakonda interacted with the students and inspired them to do better by following their dreams with true grit. Mr. Devarakonda's presence was electrifying as the crowd was excited about his presence. His speech was followed by performances by the students. The inaugural function was followed by a showing of the movie, 'The Shape of Water', by master storyteller, Guillermo del Toro.

On the second day, as the clock struck midnight, the basketball court witnessed breath-taking matches. Despite it being an odd time of the day, the participants displayed immense enthusiasm and dedication towards the sport they worshipped. The next morning started with the cricket field being flooded with spectators to watch the Gentleman's game. Later in the day, cultural events like Journalism, Stage Play, Western Dance, Block and Tackle, and Word Power were keenly participated-in, by more than 800 students from various colleges. The evening witnessed a power-packed performance by the renowned singer and performer, Amit Trivedi. With his songs, he got the crowd on their feet and the melodious night was etched into everyone's memory.

Day three witnessed the next

round of sport events. Team spirit and leadership were displayed in ounces as every individual gave all that they had to make it to the other side of the finish line. A plethora of various other cultural events were conducted throughout the course of the day. Fun-filled events like Picturepedia, Human Snakes and Ladders, Water Balloon Toss, and Picture Freak were organised to engage the crowd. The food stalls were a constant source of attraction for the foodies, as the menus ranged from mouth-watering burgers to crispy spring potatoes, and from juices to thick shakes. The 'ChoreoNite' had a huge turnout in which a multitude of dance groups from various colleges came to participate. And later in the evening 'The DJ Battle' was a show of talent by the young aspiring DJs, who enthralled the crowd with their skills. The night was star studded with Miss India Pankhuri Gidwani, and Bala Krish arriving in style to judge the Fashion Show 'Vogue Way'.

'Battle of Bands' was an event in which student bands competed against each other for a cash prize. The western version of the competition took place on the third day, and was continued by the eastern version on the fourth day. The enthusiastic students in the audience applauded and cheered to the display of the skill and coordination of these performers.

The fourth day of Milan witnessed a concert by Nucleya. The opening show was an exhilarating performance by the popular Indian DJ, Gritty Kid. The evening was thoroughly enjoyed by the students. Nucleya made the audience groove to some of his most popular songs, 'Bass Rani' and 'Laung Gawacha'. The event was enjoyed by the artist as well.

"SRM Chennai was awesome!! What an incredible crowd :)", said Nucleya in his instagram post. The fourth day also saw a wider variety of events that many colleges came to participate in which included the final round of sports, GOT Trivia, Spotlight, Beatbox battle, Rap battle and tons of other events. An open mic also took place that invited people from the audience to come to the stage and perform poetry, sing, and dance.



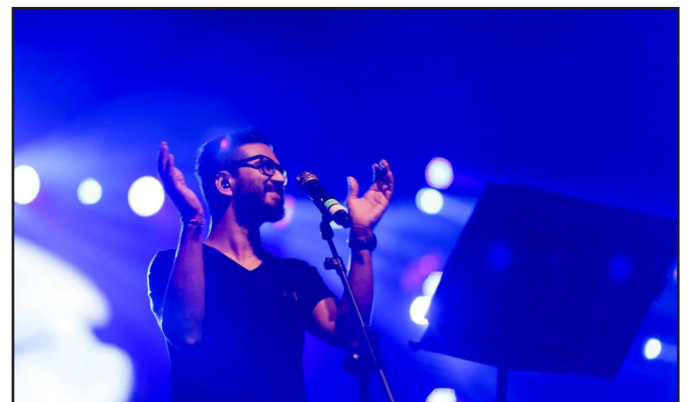
Actor Vijay Devarakonda during an interactive session with the audience.

The fifth day continued with a mime and various other shows held at T.P. Ganesan Auditorium. Students came to showcase their drama talents, solo as well as in groups. A comedy show on the last day of Milan featured acclaimed stand-up comedians Sorabh Pant and Rahul Subramanian. The five days ended with a Valedictory function, addressed by renowned actress and social media influencer Yashika Anand, who was invited as the chief guest for the evening.

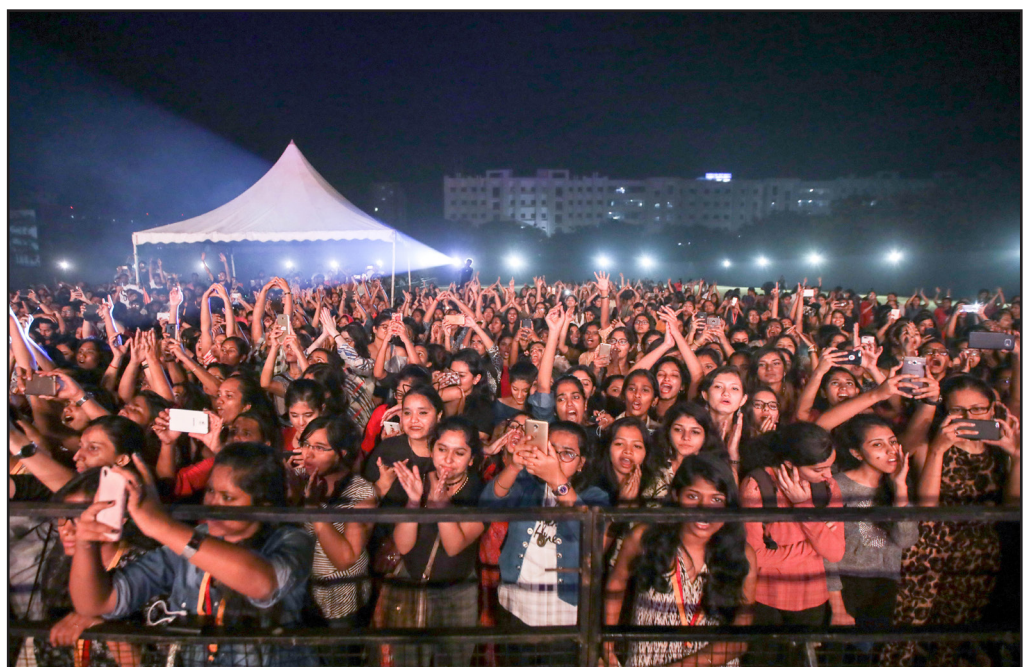


Nucleya during his concert at Milan.

Milan is a fest that never fails to live up to its stature. This year's edition lasted a memorable week and provided a platform for students to create many fun memories. Milan 2018 witnessed a total footfall of over 70,000 people from all over the country. Milan's grand success has left a huge mark in the history of cultural fests across our nation and will continue to do so in the future.



Singer Amit Trivedi during his performance.



Remembering Dr.APJ Abdul Kalam with a Propulsion Laboratory

STAFF WRITER

On this day Prof. C.Muthamizhchelvan Director (E&T) inaugurated the newly established Aerospace Propulsion and Material Testing labs. The two storeyed structure housing these labs is located next to the maintenance workshop in the annexure campus. This building has been most appropriately named in honor of Dr.APJ Abdul Kalam, a celebrated Space scientist, former President of India and an internationally known Youth icon. Dr.R.Vasudevan, Head of Aerospace Engineering department welcomed the chief guest of the inaugural function by presenting a bouquet. Immediately after the ribbon cutting ceremony

the Director was briefed by Mr.T.Selvakumaran, Mr.A.Vinoth Kumar and Mr.KB Ravichandra Kumar, (faculty members of Aerospace Engineering) about the experimental facilities available and their significance in grooming undergraduate students.

In the B.Tech (Aerospace Engineering) curriculum there are two theory courses namely i) Air breathing Propulsion and ii) Rocket Propulsion. The experimental facilities available in the Aerospace Propulsion lab will be very useful in providing the students of Aerospace Engineering with much needed practical understanding of the various concepts of Aerospace Propulsion, taught in the theory lectures. Similarly the Material

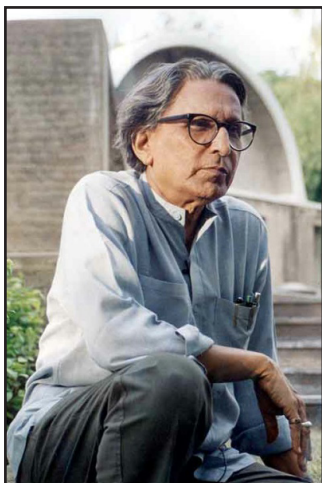


Testing laboratory has the testing equipment needed to cater to the requirements of the course in Applied Solid Mechanics as prescribed in the 2015 regulations.

After the briefing the Director addressed the students and advised them to excel in academics. The function concluded with a vote of thanks.



Prof. C.Muthamizhchelvan cutting the ribbon



Putting India on the map:
Ar. B. V. Doshi.

Doshi: A Dialect of Design

AMRUTHA VISWANATH

When one thinks of architecture in the Indian context, one often pictures either ancient temples of the Cholan era or modernist giants of Ar. Hafeez Contractor. Seldom does one think of realist, sustainable and eco-friendly edifices? However, the recent felicitation of the Pritzker Prize - often dubbed 'the Nobel of Architecture' - to Indian Architect Balkrishna Vithaldas Doshi has shed light on Indian architecture in a holistic manner. The Pritzker jury described him as "serious,

never flashy and never followed trends".

Ar. B. V. Doshi's approach towards architecture and design has always been straight forward: a sound understanding of the materials, a hunger for finding solutions and most importantly, deep respect towards Mother Nature. His works exhibit unimposing grandiosity, a character seldom found in the concrete and glass monstrosities that modern Indian architecture has sometimes witnessed. There is a precision and intellect in his ideologies yet his buildings use a humble language to convey their relatability to the common man.

All of his works illustrate his design principle, prominent ones being M. F. Hussain Art Gallery, Ahmedabad (nicknamed AmdavadniGufa), Indian Institute of Management, Bangalore.

He co-founded the prestigious Centre for Environment, Planning, and Technology in the year 1962 where he also teaches.

Architecturally inclined from a young age, Doshi graduated from Sir J. J. School of Architecture. His collaborations include the likes of Louis Kahn and Le Corbusier, receiving mentorship from the same. With Doshi being the first Indian Pritzker laureate, an open dialogue has commenced between the architecture fraternity of India and the Indian citizen.

An Architectural Amalgamation : Exploring the extent of the Indian Architectural Identity

V. AMRUTHA AISHWARYA A R

The third edition of the Festival of Architecture and Built Environment - abbreviated FAB 2018 - was organized and hosted by the School of Architecture and Interior Design, SRMIST, recently. This year's event had 'Architecture in Search of Indian Identity' as its underlying theme.

The commencement of the fest took place with the inauguration by chief guest, Architect Prem Chandavarkar of CnT Architects and the Head of the Department, Ar. C T Lakshmanan. The inauguration was followed by

a guest lecture and a presentation by Ar. Chandavarkar, where he explained his exciting projects and his take on Indian architecture. Apart from academic enlightenment, day one witnessed a display of vibrant talents through performances by the students of the host department. The fashion show, especially, livened both the hosts and the delegates and was a big hit. The second day brought in a series of enriching guest lectures from eminent personalities of the architecture fraternity, such as Ar. Krishnarao Jaisim, Ar. Prasad Shetty and Ar. Swapnil Valvatkar. Back at the department,

on-the-spot competitions like Tri-hard, Apocalypse and Cluedo engaged both the host as well as delegate colleges, helping in the cross pollination of ideas among young minds.

FAB 2018 served as a platform for budding architects and architectural academicians to interact, inspire and be inspired by one another. The festival culminated with a guest lecture and presentation by prominent architect, author and research scholar, Ar. Yatin Pandya followed by a vote of thanks from faculty coordinator, Ms. Devika Ganesan.



To many more such successes: the FAB student and faculty coordinators

For Progress: A Women's Day Celebration

TAVISHI PRIYAM

The International Women's Day is celebrated on 8th March throughout the world every year. Whether it is to celebrate the progress women have made over the past few decades or to raise awareness for the still prominent gender inequality, this day is the focal point of the global movement towards gender parity.

SRM Institute of Science and Technology took the initiative to celebrate this day in order to unite the students and motivate them to act gender inclusive. The General Secretary of Tamil Nadu Bharatiya Janata Party, Smt. Vanathi Srinivasan was the chief guest for this occasion. The ceremony took place at TP Ganesan Auditorium. The theme for the day was "Press for Progress" which blended well into the pious atmosphere of the event. Mrs. Meenu Subbiah, Director, M/S. Meenu Subbiah Diamonds LLP and Ms. Shruthi

Nagarajan, Professional Indian Woman Racer also graced the audience with their presence as the special guests of honor. The ceremony commenced with a classical Bharatanatyam performance by the students of the institute. The welcome address was delivered by Dr. N. Chandrababha, Director of Medical & Health Sciences focussing on the theme of the event and the need for gender equality in these times.

Female faculty members and students participated in various events and won awards for the same. In addition to this, devices such as hearing aids and TLM (Teaching Learning Material) kits were distributed to children by the National Institute for Empowerment of Persons with Multiple Disabilities. The entire day was extremely bright and left a smile on everyone's face. The day came to a bittersweet end as the vote of thanks was delivered by Vice-Chairman, WGRC, Dr. E. Poovammal.



The auspicious lighting of the lamp by the dignitaries



Enfuse: The Student Chapter 2018

SHREYA CHAUDHARY

ENFUSE (Energy and Fuel Users Association of India) is a non-profit organization (NGO) comprising many Indian Organizations who are producers and users of all forms of energy. It was formed in 1950 with the main purpose to maximize the effectiveness of energy and fuel usage in our country.

The event was inaugurated recently by the chief guest Mr. S. Ramalingam, National president of ENFUSE along with the student chapter core team members. The ceremonial lighting of the lamp officially started the event with the host

welcoming the core members of Team ENFUSE of SRM IST, President of the student chapter, Mr. A. Aswin, Rd. Vijayakumar (HOD of EE Dept.) and Rd. R. Sridhar (faculty coordinator)

The main purpose of ENFUSE

is to spread awareness on the efficiency of energy management by conducting conference, seminars, workshops and training programs in different regions of the country. It is the hope of this student chapter to bridge the link between the industries and the student body, here at our campus.

The guest of honor spoke for a few minutes about the core meaning of what ENFUSE

stands for and what is expected of the student council. He also articulated all the collaborations that ENFUSE has with various industries and companies, focusing on the facts about energy saving and various methods already provided by ENFUSE. National Mission on Enhanced Energy Efficiency (NMEEE), amongst others, was one of the many

important pieces of knowledge he shared with the audience.

Once his talk was over, prizes were handed out to students who won a contest held previously and then after a brief questionnaire round the host gracefully signed off and thanked everyone in attendance as the turnout was grand.



ENFUSE core team of the dept. of EEE in SRM IST, Chennai.



Chief guest Mr S. Ramalingam, National president of ENFUSE(left), student and staff members of ENFUSE core team SRM IST, Chennai.



A workshop underway



The organizing team of Mozofest'18

Mozofest: An open source carnival

SAMADRITA SAHA
SHUBHENDU OJAS
TEWARY

SRMKZILLA, the Mozilla Campus Club of SRM Institute of Science and Technology, organised the third edition of Mozofest, an open source technical fest, recently. The fest included a hackathon, a number of workshops and various technical and non-technical events.

The first day of Mozofest witnessed a large number of enthusiastic participants turning up for the coding and quizzing events. Two workshops were conducted on the second day: one on WebVR by Karan Ganesan and another on Rust by Jayesh Katta Ramalingaiah. A twenty-four-hour-long hackathon that aimed to empower the participants to solve day to day problems also kick-started on the second day. The participants could work on

any one of the four available tracks (including Artificial Intelligence, the Internet of Things and Augmented and Virtual Reality) and had to come up with a minimum viable product at the end of the stipulated time. A FOSS (Free and Open-Source Software) meetup was held on the third and final day of the event. The meetup was graced by experienced professionals from the Mozilla community who spoke on topics encompassing web technologies, machine learning and content management systems. Among the many speakers present were Mr. Mehul Patel, who conducted a session on multi-factor authentication and Mr. Suresh Kumar who spoke on the subject of networking.

With an overall turnout of around six hundred students, Mozofest'18 was a phenomenal success and it promises to return next year with even greater zeal and splendour.

Ultron 2.0: A Diversified Platform

BHAVYA MISHRA

The second edition of the Computer Science departmental fest, Ultron, was organized by the CSE Association recently. The event was categorized into four domains - Technical, Non-Technical, Gaming and Sports. Ultron 2.0 received an overwhelming 600+ registrations, a significant increase over the previous edition.

To give a glimpse of what the fest had to offer, a roadshow was conducted, attracting students across all departments. The crowd witnessed numerous beatboxing battles amongst talented students of SRM. Students along with some teachers grooved to the head-banging beats of DJ Zymace

and took home some unforgettable memories.

The technical domain had the events Tech Quiz and Tech Hunt to test the technical knowledge of the participants. The non-technical domain was categorized into Open Mic, Shipwreck, Filmmaking and Stranger Quiz. The last rounds of the Tech Quiz and the Stranger Quiz were conducted in collaboration with the SRM Quiz Association to make the quizzing experience even more wholesome. A variety of games like FIFA 18, CS: GO, Blur, Mini Militia were offered under the Gaming domain while the sports domain provided the participants with options like badminton, cricket, football and basketball for the adrenaline

rush. Ultron 2.0 also provided the participants with a number of internships to choose from. Internships were offered by various nationally recognized organizations like Internshala, The Climber, SPI Cinemas, MyCaptain, Stoned Santa, Campskil and more.

Rishabh Anand, Joint Secretary, CSEA, said, "Pulling of a fest in a matter of 7 days including ideation, curation, publicity and sales made Ultron 2.0 the most memorable event of my life. This was all possible because of the team. Kudos to the team! Ultron is now a brand." The fest came to a successful conclusion, as the organizers and participants enjoyed every moment of the journey.



Participants engaged in an intense CS:GO game



Participants engaged in an intense CS:GO game

ICAME - Exploiting Innovations

RIYA MAURYA

The 2nd International Conference on Advances in Mechanical Engineering (ICAME) was conducted in SRM Institute of Science and Technology recently. Dr.T.R Paarivendhar, Chancellor, SRM Institute of Science and Technology inaugurated the conference. The chief guest for the event was Mr. S.Sarvanan, General Manager, Ford Motor Company Private Ltd. The Guest of Honour, Dr. Lung-Jieh Yang (Professor, Tamkang University, Editor in Chief Journal of Applied Science and Engineering, Taiwan) about the importance of sharing publications and research work.

The conference lured experts and intellectuals from around the world, who came in to discuss and exchange ideas on the recent developments in the field of Mechanical Engineering. About 520 technical presentations were made from India and abroad. Five plenary keynote speakers from renowned international institutions were the highlight of the conference. This was followed by a round-table meeting where the latest technical findings were discussed in depth. Dr.

The conference lured experts and intellectuals from around the world, who came in to discuss and exchange ideas on the recent developments in the field of Mechanical Engineering

Se Jin Park, Director, Korea Research Institute of Standards and Science (KRISS), South Korea gave his talk on the use of IoT to monitor the health of older adults. Mr. Adrian Harris, Senior Scientist, Micro Materials Ltd, UK conducted a tutorial workshop on Nano Mechanics and Measurements. Selected papers from the conference were published in Scopus Indexed Journal.

The Vice-Chancellor, SRM Institute of Science and Technology Dr. Sandeep Sancheti, in his felicitation speech wished success to all delegates and expressed gratitude to all the experts and scholars for gracing the conference with their knowledge. Dr. D. Kingsly Jeba Singh, Dean, School of Mechanical Engineering, praised the department for conducting such a wonderful conference.



Eminent speakers of the ICRAMC '18 conference being presented with mementos by Dr T. R. Paarivendhar, Founder Chancellor, SRM Institute of Science and Technology

Providing a platform for young minds

AKSHAYA RAJAN
AISHWARYA A R

The Department of Chemistry, SRM Institute of Science and Technology hosted the 2nd International Conference on Recent Advances in Material Chemistry (ICRAMC'18) recently. It was held in association with the Alternative Energies and Atomic Energy Commission (CEA), France and IRD India at Dr. T. P. Ganesan Auditorium.

The conference began with the inaugural function. The chief guest of the conference, Prof. Virander Singh Chauhan, Chairman, NAAC Executive Committee, inaugurated the event with a brief speech on the theme of the conference. He also gave a very informative presentation on translational research. He focused on inter-disciplinary research and the importance of having a platform for discussion on scientific advancements. The conference was then presided by Dr T. R. Paarivendhar, Founder Chancellor, SRM Institute of Science and Technology, who



gave a presidential address and spoke about how the conference provided a platform for young minds to learn and share innovative ideas. He concluded his speech by inviting the other speakers on stage and presenting them with mementos. After the inaugural function, the technical sessions began. There were 12 technical sessions conducted by the speakers – Dr. Ing. Jens Hauesen from BMTI, Germany, Dr. Eric Doris from CEA, France, Prof. Chang Woo Lee from Kyung Hee University, South Korea, Dr. B. Chandrasekaran, CLRI, Chennai, Dr. David Audisio, Dr. Edmond Gravel, Dr. Frederick Taran and Dr. Gregory Pieters from CEA, France along with a couple of speakers from DGIST,

South Korea. 300 research articles were received during the conference which were submitted as manuscripts for publication in the Materials Today Proceedings. Poster presentations and contributed talks were also held. Honourable Prime Minister, Shri. Narendra Modi and Honourable Vice President, Dr. Venkaiah Naidu wished the students success through their messages. The students along with faculty who attended the conference said the event helped them gain international exposure and knowledge. They also said that it would be a stepping stone for their future endeavours and were glad to have attended such a prestigious event.



Dr. Sandeep Sancheti, Vice-Chancellor, SRMIST, concluded the conference with his words of praise and motivation.

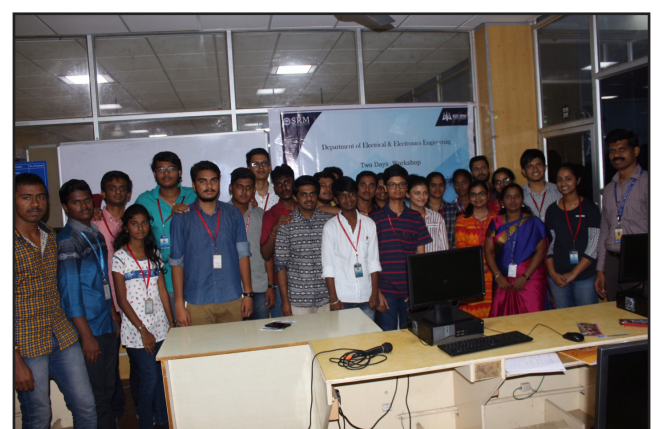
Simulation Softwares for Electrical Engineers

STAFF WRITER

The EEE department in association with IEEE SRM Student Branch organized a two days workshop on "Simulation Softwares for Electrical Engineers". This workshop was conducted recently at Simulation Lab in ESB block. It was an initiative taken by the EEE department under the guidance of Dr. K Vijayakumar, HOD/EEE and Dr. S.Padmini Assistant

Professor (S.G). The workshop started with the networking among the various participants, where they gathered knowledge and escalated their idea with one another. This workshop paved the way of offering the student community common discussion ground in advocating the utilization of different simulation softwares for electrical engineers using the emerging recent advanced techniques and resources as it would help the students to bridge the gap between academics and

the industry orientation. This workshop provided a platform to share the knowledge and expertise in the usage of several softwares as mentioned below Dig SILENT, Power World Simulator, Magnet, Typhoon HIL Simulation, Lab View, Proteus, Mat Lab, Solid Works The workshop ended with a feedback from the students advocating for further arrangement of such workshop in the near future and for further enriching their knowledge and skills.



Student members, Dr.S.Padmini, Assistant Professor (S.G), Dr.K.Vijayakumar (HOD/EEE)

A stride nearer to hierarchically structured materials, a calming reality

STAFF WRITER

Many materials exhibit hierarchical structure; the hierarchical aspects of structure can be considered for descriptive purposes, for analysis and for synthesis. Hierarchical material microstructures can exhibit dramatic increases in compressive strength compared with that of solids of similar density with conventional structure. An intriguing possibility is that of simultaneously achieving high values of strength and toughness, for which ordinarily there is a trade-off. Hierarchical structure can also permit one to achieve extremal values of unusual properties such as negative Poisson's ratios. There is the further possibility of designing new materials with extreme values of other physical properties such as thermal expansion or piezoelectricity.

In view of the above, the Department of Physics, SRM Institute of Science & Technology, Ramapuram campus organised the 6th National Conference on Hierarchically Structured Materials

(NCHSM 2018) on February 16 & 17th 2018. The conference was sponsored by Council of Scientific and Industrial Research, New Delhi.

Dr. V. Subbiah Bharathi, Dean (E&T), SRM Institute of Science & Technology, Ramapuram Campus presided over the inaugural function and he outlined the importance of gathering researchers and faculties to work for the progress of science and technology. He also stressed the role of science serving industrial purposes, and also become decisive to solve the problems in the physical sciences. Dr. K.C. Udaiyakumar, Vice Principal (Academic), SRM Institute of Science & Technology, Ramapuram campus felicitated the gathering. Dr. B. Amudha, Director (Inspectorate & Research Division), Regional Meteorological Centre, India Meteorological Department (IMD), Chennai graced the conference as a Chief Guest. She delivered inaugural and keynote address and specified the scope of Hierarchically Structured Materials, how it

involves in integration of science and technology and released the conference proceedings. She also delivered a plenary talk on "Meteorological Structures".

About 100 faculty members, Scientists & Research scholars from educational institutions along with various 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 2018 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 Prof. S. Balakumar, Director, National Centre for Nanoscience and Nanotechnology, University of Madras, Guindy Campus, Chennai Dr. P. Murugavel, Associate Professor, Department of Physics, IIT-Madras, Chennai, Dr. R. Justin Joseyphus, Assistant Professor, Department of Physics, National Institute of Technology, Tiruchirappalli & Dr. V. Sridharan, Scientific Officer SOG, Condensed Matter Physics Division, MSG, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Dr. G. Sai Saravanan, Scientist 'G', Defence Research and Development Organization (DRDO), SMRC at Gallium Arsenide Enabling Technology Centre (GAETEC), Hyderabad, Dr. Santoshkumar D Bhat, Senior Scientist, Central Electrochemical Research Institute (CECRI), CSIR Madras Complex, Taramani, Chennai and Dr. N. Vijayan, Senior Scientist, Crystal Growth and X-Ray Analysis Section, CSIR-National Physical Laboratory, New Delhi delivered their invited talk which enthused the young researcher.

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



Dr. V. Subbiah Bharathi, Dean (E&T), SRM Institute of Science & Technology, Ramapuram Campus, Chennai delivering Presidential Address in NCHSM 2018 on 16th February 2018.

Dr. V. Subbiah Bharathi, Dean (E&T), SRM Institute of Science & Technology, Ramapuram Campus, Chennai honouring the Chief Guest Dr. B. Amudha, Director (Inspectorate & Research Division), Regional Meteorological Centre, India Meteorological Department (IMD), Chennai in NCHSM 2018 on 16th February 2018.



Participant received Best oral presentation award from Dr. N. Vijayan, Senior Scientist, Crystal Growth and X-Ray Analysis Section, CSIR-National Physical Laboratory, New Delhi.



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 in research.

Dr. N. Vijayan, Senior Scientist, Crystal Growth and X-Ray Analysis Section, CSIR-National Physical Laboratory, New Delhi encouraged the potential research contenders to achieve and speculate in their field whilst delivering the valedictory address. 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.



Release of Conference Proceedings in NCHSM 2018.



Best Oral Presentation Award to Participants.