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The Chief Guest Film Actor John Abraham inaugurating Milan'16. Also in the picture (from left) are Director of Student Affairs, Pro-VC (Planning), Registrar, Vice Chancellor and Founder – Chancellor



Women's Day @ SRM

சர்வதேச மகளிர் தினத்தை முன்னிட்டு அறிவியல் மற்றும் மானுடவியல் புலத் தமிழ்த்துறை ஒருங்கிணைத்த தமிழக வரலாற்றில் பெண்கள்: நேற்றும் இன்றும் என்னும் கருத்தரங்கில் திருமதி அனிதா குப்புசாமி மற்றும் கவிஞர் தமிழ்ச்சி தங்கப்பாண்டியன் உரையாற்றினர்.

WOMEN'S DAY AT SRM GROUP



International Women's Day by Women's Grievances Redressal Cell

Staff Reporter

International Women's Day 2016 was celebrated on 8th March 2016 with the theme "pledge for parity" at SRM University. As a part of the celebrations various events and competitions were conducted, stalls were set up, students and faculty participated with overwhelming enthusiasm.

Dr. N.Chandraprabha, Chairman, Women's Grievances Redressal Cell while welcoming the gathering stressed the theme "Gender equality 50:50". Dr.T.P.Ganesan, Pro V.C (P&D)

in his inaugural address narrated elaborately the genesis of International Women's Day. Dr.K.Sridhar, Pro V.C (Medical) in his presidential address explained the importance of equality of gender given to God Arthanareeswarar.

The Chief Guest Dr. Ambika Kameshwar, Founder Director of "RASA" highlighted on topics like gender equality, women empowerment along with negative issues prevalent in today's society like female infanticide, sexual harassment and domestic violence. She said that the World cannot exist if

not for "Shree Sakthi" (i.e) "women power" emphasizing the need for men and women to work together for mutual benefit and that such a partnership between both genders would enable both the sexes to find their true purpose in life.

Prizes were distributed to the winners of the competitive events. As an important moment SRM Flood Relief Crew was honoured. The function came to an end with vote of thanks by Dr.Jayshree Suresh, Vice-chairperson, WGRC.,

A celebration of female empowerment

SanikaLakshman
Priyanka Murali

SRM University honoured International Women's Day by conducting a Women's Day Symposium from 22nd February to 2nd March. This year saw a wide range of events and stalls being set up by the students and faculty of SRM with an overwhelming participation from women. It focused on equal rights, self reliance, promoting women's entrepreneurship and empowering women. It also focused on showing gratitude, love and respect to womenfolk.

Entrepreneurship week (22nd- 27th March) gave students an opportunity to put up boutiques, mehendi designing, games, cosmetics and food stalls around the campus, none of which was outsourced. Self help groups were also among the stalls set up. The ultimate goal of the event was to enable students to learn firsthand about the basics of entrepreneurship with profit-making coming second.

The Ethnic Elegant Expo '16 (29th Feb - 2nd March)

included some vibrant events like 'Dancing Butterflies', 'Whistling Cockatiels', 'Power of Thoughts', 'Act and Speak More' 'Masters of the Mess', 'Harder the battle, Sweeter the Victory' etc. among other cultural programs.

Dr.Ambika Kameshwar, Founder-Director of "RASA", was the chief guest for the event. Dr.T.P.Ganesan, Pro Vice Chancellor, Planning & Development; Dr.K.Sridhar, Pro-Vice Chancellor, Medical; Dr.N.Chandra Prabha, Director, Health Sciences; Sr.Jayashree Suresh, Dean -School of Management were among the dignitaries present. In her special address Dr.Ambika Kameshwar highlighted. Topics like gender equality, women empowerment along with negative issues prevalent in today's society like female infanticide, sexual harassment and domestic violence. She said that the world cannot exist without "StreeShakthi" i.e "Women Power" emphasizing the need for men and women to work together for mutual benefit and that such a partnership between both genders would enable both the sexes to find their true purpose in life.

Women's Day @ Vadapalani Campus

Staff Reporter

Every year, 8th March the International Women's day is celebrated to bring out the success of women in different fields. This day is to encourage and honour the women achievers. The Spectacular women's day celebrations geared up with the most prominent

women achiever of this era, the Sagala Kala Valli- Kala Master as the Guest of Honour at SRM University, Vadapalani Campus. The gorgeous girls and staff of the campus welcomed the guest with the rocking live band of her favorite songs. Kala master highlighted the importance of education in women's life and motivated

students to aspire and never stop their dreams. She requested all the girls to show their gratitude to their mothers. The event was eventful with dhamaka dance, splendid melodies and enthralling Mime show.

The Event was successfully coordinated by Poomathi .P, Lora and Padma Rao.



DST INSPIRE Internship Science Camp at SRM University, Haryana

Staff Reporter

Innovation in Science Pursuit for Inspired Research (INSPIRE) is an innovative programme sponsored and managed by the Department of Science & Technology for attraction of talent of Science. The basic objective of INSPIRE is to communicate to the youth of the country the excitements of creative pursuit of science, attract talent to the study of science at an early age and thus build the required critical human resource pool for strengthening and expanding the Science & Technology system and R&D base.

For the first time SRM University Delhi-NCR, Sonapat (Haryana) has been given the opportunity to organize INSPIRE Internship Science Camp for the 1% top rankers of Haryana State Board Examination / CBSE for 10th standard. More than 150 school toppers of Haryana School who are pursuing 11th standard with science subjects from five districts (Panipat, Sonapat, Jind, Jhajjar & Rohtak) along with twenty teachers participated in this 5 days INSPIRE Internship Science Camp organized by the University.

This INSPIRE Internship Science Camp was inaugurated by Honourable Minister for Education & Languages, Technical Education, Tourism, Civil aviation, Parliamentary Affairs, archaeology & Museums and Hospitality, Govt. of Haryana,

Microbiology Ph.D. Scholar at Autumn School, University of Edinburgh, UK.

Staff Reporter

SRM University Delhi-NCR, Sonapat, Haryana is proud for the recognition it received through the selection of Ms. Pratibha Prabhakar a Ph.D. Scholar in the Department of Microbiology for the prestigious Autumn School of University of Edinburgh, UK. She was selected among many other competing institutions in India such as IISc., IIT, ISER, JNCASR, CSIR, ICMR etc. for



Ms. Pratibha

the Anti-microbial Resistant (AMR) DxC Autumn School during 16-20th November 2015. Ms. Pratibha Prabhakar successfully attended this programme and had the privilege of interacting with international AMR Experts on Diagnostics, Innovation, Interdisciplinary thinking, International collaboration. She was given the full scholarship for attending this programme by Medical Research Council, UK and Longitude Prize, UK.



A view of the INSPIRE Interns at the Inaugural Programme

Shri Ram Bilas Sharma in SRM University Delhi-NCR, Sonapat (Haryana)

Dr. D.K. Pandey, Director Innovation (IEEEEP) in his welcome address, said that this programme has been conceptualized by the Department of Science & Technology, Govt. of India in 2007, which is be-

ing organized throughout the country. He said this science camp gives an opportunity to the young generation to experience the thrill with excitement of invention, innovation and discovery.

Honourable Minister, Shri Ram Bilas Sharma while delivering the inaugural address stressed the urgent need amongst the younger generation to think something new and find out solutions to the problems of the community. He stressed the need to find out the innovative ways to proceed further and exhorted the children to have a creative mind. Furthermore, he wanted all students to think out of the box but necessity is to provide them suitable platform & opportunities to achieve the goal. He assured that his government will extend all possible support towards this goal. He also highly appreciated the commendable service of Founder Chancellor of SRM University, Hon'ble Dr. T.R. Paarivendhar, who had established several campuses of higher learning in different parts of the country. SRM University Delhi-NCR is

Founder Chancellor
Dr. T.R. Paarivendhar
delivering Special Address
in the Inaugural Function

Hon'ble Minister Shri Ram
Bilas Sharma delivering
Inaugural Address

focused on research and other related areas, relevant to the inclusive growth of the state which is the need of the hour. He blessed the INSPIRE Internship Science Camp children to become a great example for the society. He desired the teachers and the officials of Department of Education of his Ministry to be good learners along with good teaching. He informed the audience that the people of Indian origin have brought prosperity to other developed nations and with the present dynamic leadership of Shri Narendra Modi, Prime Minister of India, his visionary policies and plans will put not only Haryana but also the whole country towards development.

Dr. T.R. Paarivendhar, Founder Chancellor of the SRM University stressed the need for spirit of enquiry among the young children and assured the creamy layer of the students to make use of all infrastructure facilities in this university in order to fulfil their mission. He also welcomed these children to the 104th Indian Science Congress to be organized in his University at Chennai during January, 2017.

Prof. S. Rajarajan, Vice Chancellor of SRM University while presiding the function welcomed the student community and assured them that this university will not leave any stone unturned in providing the facilities in all university labs for experimenting

by these young minds. "Let them have different innovative ideas to find out the solutions of the problems" he said.

Dr. Umesh Sharma, Senior Scientist, DST, Govt. of India appreciated the efforts of the university for conducting this programme in SRM University Delhi-NCR and assured the audience to provide them all help in inculcating scientific temper among them in the coming years too and provide such opportunities in other campuses of SRM University also.

The function was attended by many senior functionaries of the University, Haryana Govt. and people's representatives. SRM University Delhi-NCR, Sonapat and its faculty alongwith the invited guest faculty of national repute (Fellow of National Academy) jointly developed the technical content for these 5 days on different themes along with hands-on-experiences in different laboratories of Physics, Chemistry, Civil Engineering, Mechanical Engineering, Biotechnology, Bioinformatics, Microbiology, Mathematics, Origami, Social Insects, Vermi Composting, Explaining Miracles, Planetarium, Earth Sciences, Climate Change etc. Special talk by PRIMSR doctors on Health Education for boys & girls was delivered. Feedback from the children & the teachers has also been collected for future improvement in such programmes..

SRM University Haryana celebrates National Science Day

Staff Reporter

National Science Day (Feb 29) was celebrated at SRM University Delhi-NCR (Sonapat) on the very first day of the reopening of the University, where hundreds of students participated with great zeal and enthusiasm. After the invocation, the Director of Innovations, Dr. D.K. Pandey, not only welcomed the august presence, but also offered the introductory note, where he emphasized the purpose of celebrating Science Day throughout our country. The Science Day, which is a brain-child of the Government of India, has been celebrated by the Department of Bio-Technology, and astonishingly this year, the Prime Minister's vision, "Make in India: Science and Technology Innovation" was the theme of the programme.

Dr. G.J. Samathanam, the Director of Research of the University, who introduced the chief guest and the guest of honour, emphatically articulated the need, progress and innovation



Dr. Ajit Kumar, Assistant Professor, Department of Chemistry was bestowed with the "Founder Chancellor's Best Teacher of the University" award 2015-16 by Dr. T. Madhan Mohan, Advisor, DBT.

discourse of the modern science and its importance in any developing society, perpetuated and imbibed with new modules in innovation, most specifically in Research.

Prof. S. Rajarajan, the Vice-Chancellor, SRM University, exhorted that the university is meant for research,

and so, designed and developed a 'Directorate of Innovation,' and added, Sir.C.V. Raman, the first scientist in Asia to have been awarded Nobel prize in Physics for his "refraction of light" was an innovative scientist and a representative, who climbed miles to reach that coveted position. Furthermore, he specified, any innovation in

science could only be achieved through rigorous observation and experimentation with an analytical mind.

Dr. T. Madhan Mohan, Advisor, Department of Bio-Technology, Government of India, who was the Guest of Honour, expounded the fact that Indian science has been recognized well in the global level, and pronounced that Sir. C.V. Raman always wanted to bridge the nation and people through science. Moreover, it was fascinating when he said that two out of three children globally, are getting-vaccinated by medicines produced in India, and estimated that India's pharma industry may attain a hundred million US Dollar growth in 2020.

The chief guest, Dr. Jitendra N. Verma, Scientist, innovator and entrepreneur himself in the field of pharmacology, in his address, explicated the idea of science and assured the students that he really stood for motivating students. Being the inventor of 'fungisome,' a low-cost medi-

cine for malaria vaccination, he has been into deeper scientific research for more than three decades, including his days in the United States, and was awarded by both Uttar Pradesh and Haryana governments for his achievements.

'Vigyan Ratna' The film 'fungisome' he produced was shown to the students, which had effervescent and imminent effects and values. Unsurprisingly, Dr. Ajit Kumar, a committed and devoted faculty of the Department of Chemistry, was bestowed with the 'Founder Chancellor's Best Teacher of the University' award 2015-16 with the merit certificate and cash award of ₹.10,000/- for his selfless services for the betterment of education.

Finally, it was mesmerizing to see "swatch bharat," a drama, staged by the students, focusing the importance of 'clean and green India.' The curtain of the function fell with the vote of thanks by the Registrar, followed by the national anthem.

MoU between SRM University Delhi-NCR, Sonapat (Haryana) and Loma Linda University, California, USA

Staff Reporter

SRM University Delhi-NCR, Sonapat (Haryana) which started its first academic session in August, 2013 as the first educational institution to start its programmes in Rajiv Gandhi Education City with first batch of 87 admissions has now grown within less than three years to more than 1200 students in B.Tech / M.Tech / Int. MBA / MBA / BBA-LLB / BA-LLB / LLB / LLM. Also from their more than 90 Ph.D. Scholars have also enrolled in research programmes. In the past, the University had signed MoU with several Universities from developed nations like UK, USA & Japan (London School of Hygiene and Tropical Medicine, UK, University of Pennsylvania, USA and Chiba University, Japan). Now SRM University Delhi-NCR, Sonapat (Haryana) signed with another top ranking University – Loma Linda University, California, USA for research collaboration, academic exchange of students, research scholars and teaching faculty, organizing joint conferences,

joint supervision of M.S. & Ph.D. scholars. This is the fourth MoU this young University has executed with this prestigious university of developed nations. The MoU signing programme started with a welcome by Dr. G.J. Samathanam, Director of Research.

Prof. S. Rajarajan, Vice Chancellor of the University while presiding over the function, informed the audience that the event of signing of MoU is an additional feather on the cap of this young University. The

association with Loma Linda University will pave the way for the joining of many other leading Universities of west coast of USA with us. Prof. Dr. Hansel M. Fletcher, Asst. Dean, School of Medicine, Loma Linda University in his speech informed that India has produced outstanding scientists and scholars. He was fascinated about the young campus of SRM University Delhi-NCR, Sonapat, the vision of the founders, impressive progress on the research front and the association of highly



Prof. S. Rajarajan, Vice Chancellor, SRM University Delhi-NCR, Sonapat and Prof. H.M. Fletcher, Loma Linda University, California, USA exchanging MoU documents

motivated top functionaries like Prof. Dr. S. Rajarajan, Hon'ble Vice Chancellor and his colleagues. One can imagine what will be the future of this University in another 100 years from now he added. He wished the University to have a productive future with mutual understanding and excellence in its contributions. He expressed his great satisfaction in this short visit and assured that their University will be happy to be associated in all the future endeavours within the purview of MoU.

Dr. Wilson Aruni, Associate Research Professor of School of Medicine, Loma Linda University in his remarks informed that their University is always happy to accommodate Indian students / researchers. At present there are five young scholars from SRM University, Chennai undergoing training under "Study in Abroad Programme". With the favourable support of their University, there is a bright future for SRM University Delhi-NCR, Sonapat to take part in various exchange programmes and collaborative joint research through this MoU. He profusely thanked Prof. Dr. S. Rajarajan, Hon'ble Vice Chancellor for

making it possible to execute this MoU and also for arranging all the logistics & hospitality extended to them.

After signing of the MoU, documents were exchanged between Hon'ble Vice Chancellor, SRM University Delhi-NCR, Sonapat and Prof. Dr. Hansel M. Fletcher, Loma Linda University.

SRM University Delhi-NCR, Sonapat also honoured the visiting dignitaries of Loma Linda University by appointing them as Adjunct Professors considering their rich contributions in the field of Microbiology, Molecular Genetics, and Biotechnology of Microbial diseases. The offer letters were handed over by Vice Chancellor to both the visiting dignitaries of Loma Linda University.

The function concluded with the Vote of Thanks by Dr. V. Samuel Raj, Director, Centre for Drug Design, Discovery & Development (C4D). The function saw the participation of senior functionaries such as Dr. Manish Bhalla, Registrar, Prof. C. Natarajan, Sr. Dy. Registrar, Dr. D.K. Pandey, Director (IEEEP) and the faculty of the University and doctors & other staff of PRIMSR Hospital.



Alumni were invited batch-wise on the stage, also seen are our Director (E&T), Campus Director, Dean, Vice Principal (Academic), their HODs and Senior faculty members

Lightening the bonds of SRM family

Staff Reporter

The alumni meet is the most awaited gathering for the entire alumni. To take a walk down the memory lane the “Alumni Meet 2016” was inaugurated by lighting the Kuthuvilakku by Dr. C. Muthamizhchelvan, Director (E&T), SRM University, Dr. T.S. Sridhar, Director, Ramapuram campus, Dr. V. Subbiah Bharathi, Dean and Dr. L. Antony Michael Raj, Vice Principal (Academic). In

this memorable Annual Alumni meet, we witnessed a gathering of about 200 alumni and their presence really made the meet more colourful. It was held at TRP Auditorium on 6th February 2016. The Dean emphasized upon the need of close collaboration of Alumni members with the University staff to improve employment opportunities. The alumni members decided that they would come to the University according to their convenient time and date and

address the students for their upliftment and thus playing a important role in preparing the impressive citizen of future India. All the Alumni members welcomed the innovative idea to nurture the students. It was also decided to give awards and recognition to the meritorious students. The Chief Guest gave a speech on “Strengthening the Alumni Networks” which touched and inspired all. He commented that “Alumni are the brand ambassadors of the

University and a positive, vibrant relationship must be established for life”. Participants were enthralled by his mesmerizing and informative speech. Director Dr. T.S. Sridhar, pointed out praised that it is a awe inspiring fact that many of alumni have achieved senior positions in Global organization in such a short time and also praised for their contribution towards the growth of their Alma mater. He also commented that success can only be achieved through

clear vision, dedication, hard work, outstanding leadership and simply being better than the best in profession. Alumni Members interacted with current students. Mr. Ashwin (IT-2011) talked of his remembers his unforgettable memories and outlined the future activities that would be taken up by the association.

Mrs. T. Beena, Assistant Professor, proposed the vote of thanks.

What the Market seeks in a Manager to-be ?

Staff Reporter

An awe-inspiring speech left the future leaders of tomorrow spell bound as they tuned in with rapt attention to his valuable advice and guidance which was remitted by the eminent speaker Mr. K.Suresh, CEO and President of India Cements Capital Limited, who was the chief guest at QUEST’16 – A National Level Management Meet organized by the SRM Ramapuram B-School which started off with great fan-fare along with the participation of more than 200 plus students from diverse institutes. Dr. C. Sundar, Professor & Head of the B-School welcomed the gathering on behalf of everyone followed with lightening of the lamp in order to brighten the event. Prof. S. Ramanathan coordinator of Quest-16 gave an overview about the events and

encouraged all the participants to showcase their skills and talents. The event was mainly organized with an intent of providing a platform for students in order to expose their creativity, analytical, technical and inter-personal skills in distinct events. The most alluring part of Mr.K.Suresh dialect was how one should qualify himself to meet up with the demands of the market. He delved into various factors responsible for shaping the future and aiding career growth. He also stressed the need for holding a positive attitude and focus for one to be successful in the long run, by developing initiatives so as to come out of the comfort zone. The prominent speaker also pointed out that to be a successful manager one should adopt the principles of integrity and honesty which would add value for the growth of life. He

also explained how adaptability, punctuality and responsibility helps in completing the given tasks. He also said that belief in one’s self would lead to the ultimate success and adherence to the guidance instructed in the organization, holding on to the dress code in the corporate would also add on to professionalism. “EARN YOUR PAY” should be the motto, he said. Using such valuable strategies, tips and techniques from such an esteemed person, the young-

er generations of tomorrow are quiet sure to be perked in shaping their future. Dr. T.S Sridhar, Rtd. IAS officer, also expressed his views over the guest’s speech and highlighted that the students should be ever learning as learning is a never ending task in anyone’s life that would sharpen their skills. He also insisted on the need to get exposed to various magazines to advance one’s knowledge. Dr. A. Subramanian, Dean (S&H) urged that practical exposure

is equally important for the budding managers to sustain in the current market. Dr. Subbaiah Bharathi, Dean (E&T) while felicitating the gathering called the young entrepreneurs to actively come up with their new skills which would support our nation’s employability and GDP. Competition on Paper presentation, Business quiz, close the deal, Gaming and Ad zap were conducted and prizes were distributed to winners and runners.



Mr.K.Suresh, President & CEO, India Cements Capital Ltd, receiving memento from Dr.T.S.Sridhar IAS (Retd). (L) Dr.C.Sundar, HOD/MBA, (R) Dr.A.Subramanian, Dean (S&H)

NSD-2016 at Vadapalani

Staff Reporter

The National Science Day (NSD-2016) was organized by SRM University in association with Indian Science Congress Association (ISCA), Chennai Chapter at Vadapalani campus of SRM University. Dr.K.Duraivelu, Dean (E&T), Vadapalani campus, SRM University welcomed the gathering and encouraged the young students to involve in project activities. Dr.K.Ramachandran, HOD, Department of Physics and Convener of NSD-2016 presented the overview of the National Science Day celebrations. Dr.C.Muthamizhchevan, Convener of ISCA, Chennai chapter and Director (E&T), SRM University delivered the felicitation address. He emphasized the activities of ISCA in Chennai. Dr.M.G.Reghunathan, Council member, ISCA felicitated the gathering by encouraging the involvement of students in the research activities and appreciated the enthusiasm of the students who participated in the science congress. This was followed by the presidential address by Dr.D.Narayana Rao, ISCA president (Elect.) and Director (Research), SRM University. In his presidential address, he added the importance



The Chief Guest and other dignitaries at the event

of science and technology for the innovation in all the areas of human life, viz, space exploration, telecommunications, etc. The Keynote address was delivered by Dr.U.Kamatchi Mudali, Associate Director, Corrosion Science and Technology Group, IGCAR, Kalpakkam. He shared the fundamentals of science, the development of science in ancient India, innovative Indian and International scientists and the various research areas to be explored. He encouraged the students to focus on Robotics, Genetic engineering, Artificial intelligence, Nanotechnology, Antigravity Automation, Hydrogen powered cars, Cloning, Hypersonic transportation and Free energy. Dr.S.Kannan proposed the vote of thanks.

More than 500 students and ISCA members from premier institutions and SRM University participated in the NSD 2016 celebrations and contributed to basic research through the project exhibition and poster presentation. The technical session included 37 science project exhibitions, 53 poster presentations, 18 speech competitions and 40 quiz participations.

During the valedictory address, Mr.M.Subramaniam, Senior Administrator, SRM University encouraged the students to involve in the research activities. He gave away the prizes to the winners of various competitions. NSD 2016 ended with the colourful cultural events conducted by the SRM students.

Various measures available for on Women Welfare and Safety

Staff Reporter

Dr. C. Praseeda, the nodal officer of “Saksham -an initiative started by UGC”, for SRM University, City Campus, organized an “General Awareness Session on Women Welfare and Safety”. The resource person for this awareness session was Mrs. Shyamala Devi, the Additional Deputy Commissioner of Police, Chennai. She is the head of nodal branches of Central Crime branch, and working for the welfare of children, women, transgender, and senior citizens. She gave a thought provoking speech and created awareness amongst the audience, by making them cognizant about the various measures available for the safety of women in the society.

She enlightened the audience about the arrangement of the police guards in certain bus routes to avoid women harassment. She also stressed upon the fact that it was absolutely essential that women/girls must raise their voice against any misconduct and get justice as it will not only teach the perpetrators a lesson but also act as a deterrent against them repeating the offense. She informed about the women helpline no. 1093.

Gone are the days when girls were required to lower their gaze, walk straight and speak softly. The mantra for today is look up, be alert about what’s happening around you and speak up against injustice. She also mentioned that special care is taken for the transgenders by organizing job melas, through which they are trying to analyze their needs and wants.

She also answered the various queries put forwarded by the audience. The vote of thanks for this session was delivered by Ms. V. Mohana Sundari, Asst. Professor of SRM B-School.



Dr. C. Praseeda

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

Role of Mathematics in Engineering Education

Staff Reporter

A two day National Conference was organized by the Department of Mathematics of SRM University, Vadapalani Campus titled National Conference on Recent Trends in Mathematics & its Applications (NCRMTA'16)

At the Inaugural function the welcome address was given by the conference convener and Head of department of Mathematics, Dr. B. Baskaran. Followed by the Inaugural address was given by the Dean Dr. K. Duraivelu of SRM University, Vadapalani campus. He stressed the important role of mathematics in each and every part of engineering profession. Dr. S. Thirumagan, Controller of Examinations, University of Madras was the Chief Guest of the conference.

He stated that mathematics was a subject of purity and also highlighted the importance of mathematics on different forums and applications. Mathematics is used in learning, teaching and research at all levels. Eminent Professors Dr. K. C. Sivakumar of IIT Chennai, Dr. J. Baskar

Babujee of Anna University, Dr. G. Nanjundan of Bangalore University & Dr. V. Thangaraj of VEL Tech University were invited to give keynote address and chair the Paper Presentation sessions.

A total of 218 papers were submitted, out of which 92

papers were selected that had 78 full papers and 14 abstract papers. The different topics on which papers were presented include 25 papers on Fuzzy Logic, 27 papers in Pure Mathematics, 12 in Fluid Dynamics, 8 in Differential Equations, 8 papers in Graph Theory, 6 in Queuing Theory and rest of the papers in various other topics. The selected papers are to be published in Global Journal of Pure and Applied Mathematics (GJPAM, RI publications).

The valedictory function was conducted on the second day of the conference. Thiru. M. Subramanian, Director, SRM University, Vadapalani Campus delivered the Conference special address. Dr. S. Ponnusamy, Controller of Examinations, SRM University was the Chief Guest. He conveyed his appreciation and applauded the organizing committee for conducting the conference in such a short period of time. Later certificates were distributed to the delegates and participants by the Chief Guest.



Sharing Our Study Abroad Experience

Amar Sonu Nankani
Bharath L
Madhumitha Nageswara Rao

During our 4th semester we got to know about Semester Abroad Program, where around 40 students applied for it. On July 3rd 2015 three of us got a mail that we got selected for ESIC Marketing and B-School in which we had to do our 5th semester. Then we started our preparations to go ahead for the study abroad program.

“Study abroad at ESIC Business and Marketing School, Madrid, Spain, was a life changing experience for us. Daily routine life at Spain was completely different from our life at Chennai, India. One of our favorite parts of the trip was an Island called Palmade Mallorca, where we visited a wide and beautiful Alcuida beach. We also had a wonderful road trip experience by hiring a car. Through his experience, Palma De Mallorca, we were able to visit different parts of the country. This study abroad time was so close to our hearts as it was something that we cannot express enough”.

ESIC is one of the best recognised marketing and B-school with air-conditioned, smart board teaching, good dining and cafeteria, excellent laboratories, Private study room facility, a separate building for library, etc. The faculty and people we met at ESIC were incredibly helpful and overwhelming. And the way the faculty taught us was



Students of the BBA Department of the School of Management

really excellent. They played a few related videos to give us better understanding of the concepts. They also conducted group discussions about real time case studies, innovative and challenging games like Kahoot, which in fact was our internal exam. They conducted partial exams for us to pass easily in our final exams. At the end of the semester they gave us final

presentation work by giving us a topic in each subject splitting us into different groups.

At ESIC we met many international students like ourselves and it taught us to appreciate different culture. We also learnt how to manage and study from different teaching strategies which will greatly improve our study habits in future. Staying

away from home for so long also made us grow as an individual. We also learnt how to cook and manage some house hold jobs. This program allowed us to realise our hidden courage and resilience that we never thought we possessed. It gave us a new perception of our life and we hope that everyone gets the opportunity to have a unique education abroad experience.

Finally we are very grateful to our Dean Dr. Jayashree Suresh, International relations department, COE, to all our professors who encouraged us to complete our program successfully and above all to our SRM University, Kattankulathur, Chennai, for having provided us a wonderful opportunity during our under graduation.”

Recent Trends in Quantum Chemistry

Staff Reporter

Henry F. Schaefer, world renowned Quantum Chemist visited SRM University, recently. He is the Graham Perdue Professor of Chemistry and Director of the Center for Computational Quantum Chemistry at the University of Georgia.

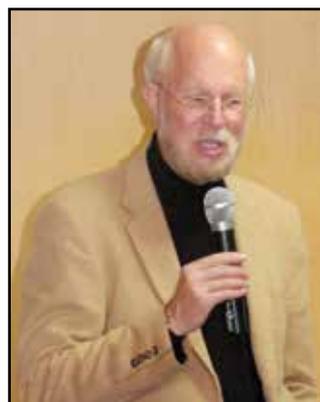
He gave lectures on recent trends in Quantum Chemistry to students of Chemistry and Physics at our University. He also addressed the research scholars and answered queries raised by students and research

scholars. During his visit he met the Director, Research, the Director for International affairs, the Registrar and the Pro-VC Dr.T.P.Ganesan.

When we look at the achievements of Dr. Schaefer, he is the author of more than 1500 scientific publications, with a large majority appearing in the Journal of Chemical Physics, Journal of the American Chemical Society or the Journal of Physical Chemistry.

Pivotal to Professor Schaefer's scientific success has been a

brilliant array of students and coworkers; including 66 undergraduate researchers who have published papers with him, 107 successful Ph.D. students, 51 postdoctoral researchers, and 78 visiting professors who have spent substantial time in the Schaefer group. A num-



Henry F. Schaefer

ber of his students have gone on to positions of distinction in industry. Dr. Schaefer has been invited to present plenary lectures at more than 270 national or international scientific conferences. He has delivered endowed or named lectures or lecture series at more than 60 major universities, including the 2007 C. V. Raman Memorial Lecture in Calcutta, India.

He is the recipient of thirty honorary degrees. He was the longest serving Editor-in-Chief of the London-based journal Molecular Physics (1995-2005). He is currently North American Editor for the Journal Physical Chemistry Chemical Physics. His service to the chemical community includes the chairmanship of the American Chemical Soci-

ety's Subdivision of Theoretical Chemistry (1982) and Division of Physical Chemistry (1992). He was nominated for the Nobel prize five times.

During the period 1981 - 1997 Professor Schaefer was the sixth most highly cited chemist in the world; out of a total of 628,000 chemists whose research was cited. The Science Citation Index reports that by January 1, 2015 his research had been cited more than 58,000 times. Professor Schaefer's Thomson-Reuters H-index is 112. He has published 132 Citation Classic Papers. His research involves the use of state-of-the-art computational hardware and theoretical methods to solve important problems in molecular quantum mechanics.

MILAN'16:

Living the Change

Shubham Sahu
AkshayKalyan

Enormous posters and a rich ornamentation, at the SRM University, on the eve of 3rd March, unfurled the curtains to pave the way for the 9th edition of Milan 2016. Since its inception in 2008, Milan has scaled great heights and built a solid reputation as a thorough crowd-pleaser. The four-day festival was held from the 3rd to the 6th of March under the supervision of the Directorate of Student Affairs. The motto is true to its literal sense, as it is exactly what the students must indoctrinate: "Live The Change."

The inaugural function, on 3rd March was presided over by T.R Pachamuthu, The Chancellor of SRM University, Dr. P.K.A Muniswaran, Director of Student Affairs and the Chief Guest John Abraham, a celebrated Bollywood actor. The lamp was lit and stage was set for yet another exciting edition of Milan.

The conclusion of the inaugural function gave way to a star-studded potpourri of events and shows. Milan took off with an international Air Show performed by the renowned 3D Night Flying Helipilots, Mr. Gunther Gold and Mr. Michael Allmer from Germany in addition to eight lead Indian pilots. Following which, the Red Bull tour bus took a turn to SRM University bringing the famous Kerala-Based music band: Thaikkudam Bridge, who electrified the atmosphere with their performance.

On the second day, students experienced a comedy chapter with Laugh OK Please by the famous comedian Karthik Kumar accompanied by other budding stand-up comedians around Chennai. For the first time ever, SRM University geared up to party with Ireland's number one female DJ, Kaila Troy, who took centre-stage and lived up to her accolades. With her tickets sold out, Kaila entertained a full-house of jubilant spectators.

The Pro show, held on the 5th March, was a mass-entertainer with a live performance by Devi Shri Prasad (DSP), the legendary singer and music director. The students left his show spellbound. Promoting fresh talent has always been a priority at SRM and this year, the crowd grooved to the tunes of Madras Under The Mask, a group of budding DJs in Chennai.

During the course of these 4 days, a plethora of vibrant events in arts, music, dance, literary and sports allured a deluge of participants from all over India. The Battle of the Bands witnessed a tough competition between a number of bands sporting various styles and genre. The Choreonite and Choreonite+ housed synergetic dance performances by teams from various colleges. Other events included freestyle rap battles, beatboxing and a treat to the ears in the form of a singing showdown. From music and dance, to sports and fashion show, that showcased the best of glamour, Milan had it all.

Never failing to live up to its reputation, Milan 2016 ensured a fun-filled week, letting students take a joy ride down Nostalgia Lane, with the Ferris Wheel and Columbus, installed outside the School of Management.

The 9th edition of the ever-growing legacy of Milan thus drew to a close. With an estimated attendance of over 15000 students, the fest was nothing short of a grand success. The ascending slope of its prosperity only brightens the future of this cultural congregation and its return shall be eagerly awaited next year.





தமிழக வரலாற்றில் பெண்கள்: நேற்றும் இன்றும்

எஸ்.ஆர்.எம்.பல்கலைக்கழகத்தின் அறிவியல் மற்றும் மானுடவியல் புலத்தின் தமிழ்த்துறை சர்வதேச மகளிர் தினத்தை முன்னிட்டு தமிழக வரலாற்றில் பெண்கள்: நேற்றும் இன்றும் என்னும் கருத்தரங்கை ஒருங்கிணைத்தது. இக்கருத்தரங்கின் தொடக்கவிழாவில் பல்கலைக்கழகப் பதிவாளர் முனைவர் நா.சேதுராமன் முன்னிலை வகிக்க, அறிவியல் மற்றும் மானுடவியல் புல இயக்குநர் முனைவர் இர.பாலசுப்பிரமணியன் அறிமுகவுரை வழங்க உடல்நல அறிவியல் புல இயக்குநர் டாக்டர் ந. சந்திரபிரபா தலைமையுரை வழங்கினார். இத் தொடக்கவிழாவில் கவிஞர் முனைவர் தமிழ்ச்சி தங்கப்பாண்டியன் அவர்கள் கலந்துகொண்டு சிறப்புரை ஆற்றினார். சுயமரியாதைப் பெண்கள் என்னும் தலைப்பில் பேசிய இவர் வரலாறு நெடுகிலும் பெண்கள் எவ்வாறு வளர்ச்சிபெற்று வந்தனர் என்பது குறித்தும் 20 ஆம் நூற்றாண்டில் சுயமரியாதை இயக்கத்தில் பெண்களின் பங்களிப்புக் குறித்தும் பேசினார். தமிழ்த்துறைத்தலைவர் முனைவர் பா. ஜெய்கணேஷ் வரவேற்புரை வழங்க உதவிப்பேராசிரியர் முனைவர் தா.இரா. ஹெப்சிபா பியூலா சுகந்தி நன்றியுரை வழங்கினார்.

அடுத்த அமர்வில் முனைவர் தா. ஜெயந்தி அவர்கள் அறிமுகவுரை வழங்க, புதியதலைமுறை தொலைக்காட்சியில் பணிபுரியும் இவள் பாரதி அவர்கள் ஊடகவெளியில் பெண்கள் என்னும் தலைப்பில் மாணவர்களோடு சிறப்புற கலந்துரையாடி விவாதம் நிகழ்த்தினார். கருத்தரங்க நிறைவுவிழாவில் அறிவியல் மற்றும் மானுடவியல் புல இயக்குநர் முனைவர் இர.பாலசுப்பிரமணியன் முன்னிலை வகிக்க கணினி அறிவியல் துறைப் பேராசிரியர் முனைவர்



சர்வதேச மகளிர் தினத்தை முன்னிட்டு அறிவியல் மற்றும் மானுடவியல் புலத் தமிழ்த்துறை ஒருங்கிணைத்த தமிழக வரலாற்றில் பெண்கள்: நேற்றும் இன்றும் என்னும் கருத்தரங்கில் திருமதி அனிதா குப்புசாமி மற்றும் கவிஞர் தமிழ்ச்சி தங்கப்பாண்டியன்

பா. அமுதா அவர்கள் தலைமையுரை வழங்கினார். இதில் குயிலிசைவாணி திருமதி அனிதா குப்புசாமி அவர்கள் கலந்துகொண்டு மக்கள் இசையில் பெண் என்னும் தலைப்பில் சிறப்புரையாற்றினார். காலந்தோறும் மக்களிசை எவ்வாறு வளர்ச்சிபெற்று வந்துள்ளது என்பது குறித்தும் பெண்களின் உடல் உழைப்பையும் களைப்பையும் போக்க இவ்விசை எவ்வாறெல்லாம் பயன்படுகிறது என்பது குறித்தும் மக்களிசைப் பாடல்களோடு

பாடியும் உரையாற்றியும் தமது சிறப்புரையை வழங்கினார். தமிழ்த்துறை உதவிப்பேராசிரியர் முனைவர் சுசரஸ்வதி வரவேற்புரை வழங்க, உதவிப் பேராசிரியர் முனைவர் க.மகேஸ்வரி கருத்தரங்க நன்றியுரை வழங்கினார். காட்சித் தொடர்பியல் துறை மாணவன் செல்வன் நா.இல.நரேன்குமார் மற்றும் இதழியல் துறை மாணவி செல்வி சௌந்தர்யா மிகச்சிறப்பாக நிகழ்ச்சியைத் தொகுத்து வழங்கினார்.

Self-promotion in the corporate world

Staff Reporter

The Workshop on 'Sustainability and Self Promotion in Corporate' was held on 27th of February at the Seminar hall. The Guest Speaker was a student Alumni of the First batch Commerce, FSH, Ms. Sharanya, accompanied by her colleagues. Interactive and interesting activities were conducted that started with "self promotion"

wherein the students were asked to enact on a particular product to advertise of that highlighted the concept of "team work". This was followed by a series of tongue twisters to recite as a group that highlighted the importance of "coordination" in a group. There were about 90-100 students who attended the workshop and made it a cheerful event along with the guest speakers.



The need and format of academic and expository writing

Staff Reporter

One day State Level workshop on Academic and Expository writing for Research & Publication was conducted by SRM School of Teacher Education and Research, Kattankulathur on 19th March 2016. It was attended by 104 active participants who were lecturers, Academicians and Research Scholars from Educational colleges from all over Tamil Nadu.

The workshop emphasised the

need and format of academic and expository writing by the Resource persons Dr. S. Prabhu Shankar, Assistant Professor, IASE, Saidapet and Mr. Tamil Selvan, Assistant Professor in Special Education, TNOU who brought to light the steps, methods and forms of research writing. Elaborate explanation was given on the types of research and guidance was given on how to go step by step towards writing of articles and how to avoid common errors in writ-

ing research papers. Speakers gave a lot of information on the latest trends in writing of research papers enriching the quality of papers.

The after noon session was an interactive session, in which the students were asked to write research proposals which were evaluated by the participants by exchanging their worksheets and the out standing participants gave some tips for improving the quality of papers in their respective subjects.

Big Data & Analytics

Staff Reporter

The Inaugural programme of the workshop was held at the Seminar Hall, First floor (FS&H Building) Dr.J.Jothikumar, Associate Dean presided over the function. Dr.S.Govindarajan introduced the chief guest of the function, Mr.Sridhar Pandurangiah, Director & Chief Technology Officer, Sastra Technologies, Chennai. The chief guest in his inaugural speech emphasized the need for Big Data & Analytics in the modern IT-world for solving complex problems. He has also stated the importance of this workshop and advised the participants to effectively use the deliberations of the workshop for a deeper understanding of Big Data Analytics.

Three technical sessions were conducted after the inaugural function. Mr.Sridhar Pandurangiah gave an interesting lecture on the basic aspects of Big Data (Definition, characteristics, Data flow language and Machine learning library). The participants evinced keen interest in understanding the basics of Big Data. The participants were given hands on training in the MCA laboratories. The topic of training included Hive, Map Reduce, DFL, Machine learning

library and Rattle & R-tools.

The second day of the workshop was devoted fully for Aadoop and Analytics. Mr.Mohammed Samuddin, Senior Manager (Big Data) and Mr.Vignesh Murugesan, Technology Officer (Big Data) gave intensive training on these areas for the participants.

The topic covered during the Technical sessions included Big Data V's & Hadoop Ecosystems. These are the standardized tools adopted for the Big Data & Analytics in different areas.

The outcomes of the workshop are:

1. Basic understanding of the Big Data
2. Usage of 'SQL to Map reduce'
3. Orientation Data Flow Language & Machine Learning Library
4. Hands-on experience on Rattle & R-tools
5. Usage of Tools for the analysis of Big Data.

The valedictory function was held on the second day of the workshop. The participants expressed their full satisfaction about the workshop and requested to conduct more workshops on advanced levels of Big Data & Analytics.

Finally, Certificates for the participants were distributed.



The honourable judges of the Madras High Court at the valedictory function. Also in the picture are the Registrar, Director (FSH) and Dean, School of Law

NUALS Kochi win National Moot Court Competition

Staff Reporter

SRM School of Law successfully conducted its First Rationibus Jure National Moot Court Competition recently.

The competition was inaugurated by the Hon'ble Vice-Chancellor of SRM University Prof. Prabir K.Bagchi. The Inaugural Function seen the presence of Prof. N.Sethuraman, the Registrar, SRM University and Dr.R.Balasubramanian, the Director of Faculty of Science and Humanities.

This battle of words was fought among 20 Teams who came from all over the country. And to judge the arguments of these

young and talented participants and to further grace the occasion, we invited around 40 judges, which also included prominent academicians and renowned lawyers. The competition went on for 3 days and 2 teams which fought their way to the finals were NUALS, Cochin and Christ University, Bangalore. And the finals of the 1st Annual Rationibus Jure Moot Court Competition 2016 was held in Dr.T.P.Ganesan Mini Hall on 13th March 2016.

To judge the finals, we were privileged to have two sitting judges of High Court of Madras, Hon'ble Justice Thiru. T.Mathivanan and Hon'ble

Justice Thiru. S.Vaidyanathan who also graced the valedictory function by distributing prizes for the winners worth ₹.1,10,000/-

NUALS Kochi emerged as the winners of the 1st National Rationibus Jure National Moot Court Competition and Christ, Bangalore were the Runners up.

The success of the 1st National Rationibus Jure National Moot Court Competition has brought on freshness and motivation to all students of School of Law and have decided to carry on this legacy of Rationibus Jure National Moot Court Competition in future in a bigger and better manner.

NSS Volunteers and Students Participate in Amma Sports Foundation Organized Charity Run

Staff Reporter

Amma Sports Foundation organized a charity run for under privileged sports persons & flood relief victims by conducting International walkathon & Marathon on 6th March 2016 at Marina Beach. SRM University participated with six NSS faculty volunteers and around 250 students under the leadership of Dr. T. Rajasekaran Professor and NSS Coordinator, SRM University.

The Marathon started at 5 A.M and Walkathon started at 7 A.M from the Marina and ended at Gandhi statue. NSS faculty volunteers and students from SRM University participated in the walkathon. Followed



Prize winner of Walkathon along with the Faculty volunteers organized by Amma sports foundation

by that prize and certificate distribution for the winners was held. P. Sunderesan (Reg. No.

1011310428) of 3rd year B.Tech Civil Engineering won second prize in walkathon.

The Challenges of cyber space

Staff Reporter

SRM School of Law, committed to the vision expounded by Justice Holmes, has entered into the league of law schools in which the culture of imparting legal education is by diverse activities like conducting seminars, moot courts, legal aid clinics, guest lectures, and plays on contemporary legal issues. The motto is to move away from traditional way of classroom learning to innovative learning strategies in the field of law. As part of this strategy, SRM School of Law has recently organized a National Seminar on Emerging Challenges to Cyber space on 19th and 20th March, 2016.

The seminar witnessed overwhelming participation by

students, advocates, research scholars, and academicians from all over India. Spread on two days, six sessions were held on different subthemes in Emerging Challenges to Cyber Spaces. Each session was chaired by experts in the field of Cyber space. Serious discussions took place during the two day seminar on the various issues in Cyber space. Paper presenters came out with suggestions to address the challenges and made a comparative analysis with the developments in countries like U.S.A, U.K, and Japan.

The two day seminar ended on a grand note on 20th March with stellar cultural programmes by the students of SRM School of Law and prize distribution to the best papers.

MUN 2016: Sorting out contentious issues

**KavyaJayanthan
AkshayKalyan
AashishBoddeti**

The day break of 19th February gave birth to yet another sensational edition of the SRM Model United Nations. Last year, although SRM University built a seemingly unassailable reputation of hosting the largest MUN Conference in the country, the latest sequel did nothing short of living up to its accolades. An overwhelming response saw hordes of delegates from all over the country flocking into the campus as intense sessions of debates and discussion awaited them.

The three-day conference constituted of eleven councils; UNHRC- United Nations Human Rights Council, UNECOSOC- United Nations Economic and Social Council, UNGA-DISEC, to name a few. They housed dialogues over complex social issues, including international

peace and security, and economic and social progress. The conference served up equal proportions of enthusiasm and tension as the delegates strived to take a resolute stand with the country they represented.

SRMMUN 2016 was the 4th edition which had a footfall of 750 delegates. The simulation included 3 flagships - UNSC: Counter Terrorism Committee, UN High Level Political Forum and the first ever simulation of a Joint Crisis Committee between ISI and RAW. Other highlights had two new concepts introduced. One being Cher Ami, a first of its kind E-Chit system catering to the entire conference developed by Project 42, to help with the inter delegate communications part. Secondly was the Legal Services Department, which sent the best of recommendations from all councils with the delegate's name and contact information to the UN to actually make

a difference in the world of impacted policy making.

The opening ceremony was graced with the presence of Mr. Krishna Prasad, the editor-in-chief, Outlook magazine. This kick-started the conference, followed by the delegate dinner on the 20th. The participants got an opportunity to socialise off-the-record over a dinner. A formal felicitation function was held on the last day, to reward the winners, before the prolific gathering were sent off.

What made this MUN stand out from previously held ones was perhaps the fact that the several countries have been undergoing a major immigration crisis with refugees flocking to Europe and USA for asylum due to the Syrian crisis. Addressing such a crucial issue was necessary and it was carried out among the delegation with effective dialogue between the countries involved. The concerted efforts



Delegates of the security council engaged in a heated debate.

by the delegates in order to reach understanding regarding the immigration policies was refreshing to observe and gives one an idea as to the extent of the involvement and knowledge of the youth regarding such global issues of a grave nature.

The Under Secretary General, Ishit Srivastava said "We covered all kinds of topics ranging from Human Rights to Peaceful Uses of Outer Space. With an executive board of cumulative experience of 700 MUNs the finest executive board was ever assembled to provide the best to

the delegates." Delegates came from 73 colleges from 27 cities and 6 countries. All in all it was an amazing experience for everyone involved, even if it was in the smallest way possible." One could see the suited up Sullivan's running around in excitement and interacting with the delegates around them about the issues concerned, with as much interest as it would have occurred if it was the real UN. It was most certainly an event to watch out for as one of the largest MUNs in the South Indian MUN circuit.

Global Linkages: Dr Nakkeeran Visits SRM University

Mukhtar Habibu Dankullu

On Tuesday February 9th, 2016, Dr Nakkeeran Kaliyaperumal from University of Aberdeen visited SRM University. This is in order to establish partnership between the two Universities. Dr Nakkeeran held a meeting with principal officers of the University, in which they discussed on the issue of signing Memoranda of Understanding (MOU). The signing of this MOU will help in conducting collaborative research in Engineering. It will also facilitate and allow students to undergo dual degree program. In this dual degree program, students will be spending first two years in SRM, and last two years at University of Aberdeen for Bachelor of Engineering (B.Eng) as well as last three years for Master of Engineering (M.Eng). This shows they would be given direct entry admission to level three.

The University of Aberdeen is a public ancient university. It is located in the city of Aberdeen, Scotland. It was founded in 1495. This makes it third-oldest university in Scotland. Approximately, it has 13,500

students from undergraduate to doctoral level, including many International students. Five Nobel Prize winners are associated with the university. Dr Nakkeeran is a Senior Lecturer. He obtained PhD in 1995 from Anna University, India. He has conducted many researches and published works on Electronics and Communication Engineering. He is also a recipient of many awards. Furthermore, Dr Nakkeeran delivered a lecture on the theme Applications of Optics. In this lecture, which was held at Electronics and Communication Engineering Department seminar hall, he explained in details about applications of Optics especially its medical applications. He pointed out that it can be used to cure some diseases. He talked on Holography and laser as well as their medical applications. The lecture was attended by staff

and students. He also charged students to be more competent. He said, "World moves very fast, we have a lot of literature today, you may be trying to carry out research on some problem, but somebody may have conducted and published research on the same problem in some place, so you have to be very fast and smart".

After the lecture the Head of Electronics and Communication Engineering department Professor Rama Rao delivered the vote of thanks also described SRM University as "Very good University which has developed rapidly over a short period of time". He maintained that, "The University has good staff, students and beautiful infrastructure". He showed interest in coming to give preparatory training (on studies in UK Universities) to students during the summer period.



Dr Aniruddha of La Trobe University Australia with the Professor Rama Rao HOD ECE SRM University

Dr Aniruddha @ SRMU

Mukhtar Habibu Dankullu

In a series of efforts to establish and strengthen existing ties with other Universities within and outside India, Sri Ramaswamy Memorial University (SRMU) Kattankulathur had on Friday March 3rd, 2016 received Dr Aniruddha Desai from La Trobe University, Australia. Dr Aniruddha is currently the Director of La Trobe University Centre for Technology Infusion.

La Trobe University is an Australian public research – intensive university. It was founded in 1964, in Melbourne Australia. It is among the world top 100 Universities. It offered many undergraduate and postgraduate programmes. Dr Aniruddha holds a PhD in Computer Architecture. He has led several multi-million-dollar Research

and Development programmes. He has also received several industry awards. His centre is well-known for its researches and innovation activities.

However, during his visit he delivered a talk on his centre and some vital issues of Telecommunication at the department of Electronics and Communication Engineering. He explained the stages of developing research including finding a good idea, developing a good plan, following the process among others, which will help researcher to get sponsorship and produce good result. He also discussed some important researches carried out by his centre on the areas of Intelligent Transportation Systems, Energy Management Systems and Logistics/supply chain solutions.

Partners Reinforce Commitment to Collaborate: Umea University Sweden and SRM University

Staff Reporter

Making their second visit in less than 14 months, the last by an 8 member delegation in December, 2014, a six member team from Umea University, Sweden, visited SRM University to deepen and widen the ongoing collaboration between the two institutions.

Not long ago, in June 2015, on the occasion of our president, Honourable Shri Pranab Mukherjee's visit to Sweden, SRM University was invited by the Government of India to attend a special function where a slew of academic and commercial agreements were concluded to strengthen the bonds of friendship between the two countries.

To commemorate the visit, around 15 agreements were signed between Indian and

Swedish Universities in a separate function hosted by the Swedish Minister for Education and Research, to give a fillip to cooperation in the important field of education and human resource development. SRM University was represented by its Vice Chancellor, Professor Prabir K. Bagchi, who signed the MoU along with the Vice Chancellor of Umea University Professor Lena Gustafsson at the Office of Ministry of Foreign Affairs, Stockholm, Sweden on June 01, 2015.

Professor Prabir K. Bagchi, who participated in discussions with the University in setting a road map for future collaboration said, "I believe this is a significant event that reinforces the strong bonds of partnership between the two Universities, and we both look forward to a sustainable and mutually rewarding relationship".



The Vice Chancellor with Visitors from Umea

The six member delegation that visited SRM University in March 2016, led by Dr Rupali Bhalerao, comprised of:

Dr. Leif Nilsson, Associate Professor, Department of Mathematics and Mathematical Statistics

Dr. Konrad Abramowicz, Associate Professor, Department of Mathematics and Mathematical

Statistics.

Dr. Sven Ronnback, Associate Professor, Department of Applied Physics and Electronics

Dr. Viktoria Vedin, Senior Research Engineer, Department of Molecular Biology

Mr. Lennart Johansson, Coordinator, Faculty of Science and Technology, Dean's Office.

Umea University was founded in 1965 and is Sweden's fifth oldest university. It is ranked 24th in the world in the 2014/15 'QS Top 50 under 50' league table. Umea University is also the highest ranking university in Sweden and in the top 10 in Europe, for 4 consecutive years, in the International Student Barometer (ISB) survey.

Tech-Knowledge Transfer between Institute and Industries on Concrete and Construction

Staff Reporter

A National level One day workshop on "Tech-Knowledge transfer between Institute and Industries on Concrete and Construction" was organised by Department of Civil Engineering, SRM University, in association with Indian Concrete Institute and Siraj International Aluminium and Glass LLC on 4th March, 2016. The workshop mainly focussed on stimulating the Industry - Institute collaboration and around 300 overwhelming respondents from 25 Engineering Colleges participated in the workshop.

The workshop was inaugurated by the Chief Guest, Shri. N.G. Muralidharan, Senior Vice President, Lafarge India private limited, Dr. T.P. Ganesan, Pro Vice Chancellor (P&D), SRM University, Dr. K.S. Satyanarayanan, HOD, Department of Civil Engineering, Dr. M. Lakshmi pathy, Professor, Department of Civil Engineering, Dr. N.P. Rajamane, Head, Centre for Advanced Concrete Research, SRM University, Dr. K. Gunasekaran, Coordinator, TKI2C2 and Mr. P. Jagannathan, Coordinator, TKI2C2.

Dr. K.S. Satyanarayanan, Convener of the workshop welcomed the gathering. Dr. K. Gunasekaran, Coordinator, TKI2C2 informed the gathering about the workshop and said that the forthcoming lectures by academic and industrial experts will bridge the gap between industry and institute. Dr. T.P. Ganesan, Pro Vice Chancellor (P&D), SRM University presided over the function and expressed the importance of organising conferences, seminars and workshops which will supplement the knowledge of students gained through classroom lectures and laboratory experiments.

The inaugural ceremony was followed by a session on "Safety Practices at the Construction site" by Shri. N.G. Muralidharan, Senior Vice President, Lafarge India private limited. He pointed out the challenges faced by the Engineers at the construction site with respect to safety by sharing his own experiences. He insisted that the behaviour of people also should be changed to prevent the accidents. He also requested to include safety as one of the subjects in the curriculum

to make the young engineers aware of the requisites of safety measures to be followed.

The next session was presented by an academic expert Dr. Manu Santhanam, Professor, IIT Madras on the topic "Experimental Investigations on cracking of concrete". His lecture focussed mainly on concrete technology and he emphasized on the problems faced on the construction site due to lack of understanding on the behaviour of concrete. The discussion encompassed the wide range of causes of cracking in concrete and the experimental investigations to quantify the cracks in concrete.

The afternoon session started with the informative lecture on "Major facilities available in SRM University, Kattankulathur" by Dr. M. Lakshmi pathy, Professor, Department of Civil Engineering. He highlighted all the major experimental facilities provided to students of Civil Engineering Department, SRM University to fulfil the requirements of curriculum and to improve the research activities.

The next session was on the

topic "Concrete and Materials", by Dr. N.P. Rajamane, Head, Centre for Advanced Concrete Research, SRM University. He gave the idea of the research carried out on different types of concrete. He also insisted the students to study the properties of new construction materials and to promote the research.

The last but one session was about "Construction Dewatering" by Er. V. Ramakrishnan, Consulting Engineer, Chennai. The speaker shared his technical expertise about the methods involved in the dewatering for the construction of foundation. Raising the point of challenges

involved in the site, the speaker deliberated the importance of different methods of dewatering. Dr. K.S. Satyanarayanan, Convener, TKI2C2 honoured the speaker with a memento.

The last session was followed by a valedictory function. Dr. K.S. Satyanarayanan, Convener, TKI2C2 put forward that the Department of Civil Engineering intends to conduct more workshops and events in the coming year that will further stimulate industry institute collaboration to the next level and also invited the experts to join Corporate Advisory Board of SRM University.





Memories of a biker

Staff Reporter

“I had my first experience of riding a motorcycle at a racetrack in November 2014. I was attending a training session conducted by Apex Racing Academy at Kari race track in Coimbatore back then. I was able to ride quite well for a first timer and was invited to be part of the two men racing team that would be fielded by Apex Racing for the season of 2015. The racing season started in June-2015, however I had intensive training sessions prior to the same. I wanted to pursue two wheeler racing as more than just a hobby, into a passionate career if the lucky stars allowed. This required considerable time to be invested along with my academics. I thus choose to follow BBA at SRM University understanding that the faculty was always supportive and considerate towards extracurricular activities of their students, including competitive motorsports.

At 19 years, I was among the younger folk in my racing category and was able to achieve impressive results in my first year of racing itself. I have to thank my family, my coaches, friends and of course the supportive faculty of SRM University, for the memorable season. Highlights of my achievements in the 2015 racing season are listed below:

- Suzuki Gixxer Cup (One-make

series, Novice Category) – 4 wins, 8 Podium finishes in 10 races. First runner up overall

- Indian National Motorcycle Racing Championship (INMRC, Category: Group D) - 2nd place in Round 1
- One among the five riders from India selected for Preliminary round of Shell Asia Talent Cup, conducted during October-2015 at Malaysia
- One among the two riders from India selected by FMSCI (Federation of Motorsports Clubs of India – motorsports authority body of India) to represent the country in an invitation race conducted during Nov-2015 at Thailand (Asian Cup of Road Race – ACRR Thailand Round).

Team India was placed third overall in the round.

For the upcoming 2016 season, I will be competing in the professional / expert category of racing where the competition will be much tougher. With continued support, I am looking forward to give my best this year also.”



Bring out The Entrepreneur in You!

Tuhina Das

From the 20th to 27th February, an Entrepreneurship Week was organised by the School of Management, which inspired students of SRM University to explore their potential as self-starters and innovators. These activities, from large-scale competitions and events to intimate networking gatherings, connect participants to potential collaborators, mentors and even investors—introduced them to new possibilities and exciting opportunities.

The event was a huge success because of the consistent efforts and guidance by the Head of Innovation and Entrepreneurship, Dr. M. Chitra and also by Mr. T.S. Edwin, Faculty of Management.

Guest lectures were also organised by the Faculty of Management. On the very first day, Mr. Kamaludeen from M.S.M.E shared his views about M.S.M.E and also the opportunities for students and faculty to be a part of it.

For the second day, Mr. M.R. Srinivasan talked about the “Green conception” and enriched the knowledge of the students by sharing his work experience. It was a great honour for the department of management to have Dr. Saundarya Rajesh from Avadar Creations, who shared her experience and also talked about social entrepreneurship.

In reflection, students discussed how every opportunity to meet with entrepreneurs and business owners has the potential

to be a future job opportunity, a mentoring relationship, and the opportunity to create good will in the community

Around 35 stalls were put up with products ranging from food items to apparels and fashion accessories. The participants belonged to various disciplines of making it an event for the entrepreneurial people to their enterprising talents and transform their ideas into reality.

Putting a creative spin, crowd-pulling events such as a Treasure Hunt, Ad-Zap etc was organised. A short film on entrepreneurship was also filmed by the students.

The week came to a close as student leaders were honoured for their innovation, creativity and outreach.

Stop Accidents Before They Stop You

Tuhina Das

It is shocking to note that India accounts for as high as 5 lakh road accidents per annum in which 1.5 lakh people die while another 3 lakh are crippled for life. In light of the Road Safety Awareness Week, a group of students from SRM University decided to strategize how to reduce road accidents in India, which accounts for the highest number of road deaths globally.

There are many factors which influence the safety on roads. To begin with, better road conditions would have a great impact on road safety. Moreover, optimal traffic control system has an ideal role in maintaining safety on roads. To be clear, adequate number of traffic signals, signboards and police officers would have significant effect on road safety, where they guide and control the vehicle by basic traffic rules. Therefore, the chance of a rash driver committing accident is low. Better road condition and proper traffic control system would ensure the safety on roads.

The major culprit for this tragic situation is driving offence. The solution is not as simple as doling out fines or implementing stringent punishment, but also providing quality driving education to the masses before granting licenses.

The most important factor that needs to be looked at in our goal to sustainable development is social responsibility. Drivers need to have a responsible attitude and a level of maturity when given this privilege. They need to be cautious, and sensitive to all the rules and safety regulations of the road.

To put it in a nutshell, Road Safety is very much up to how we use the roads. Use them carefully and we may be able to use them for a long time. Use them carelessly and we may never be able to use them again.

In Youth, We Trust

Kavya Jayanthan
Zafar Faraz

History bears evidence to the fact that the participation of a country's youth in its national affairs determines its legacy.

On this note, the 8th National Youth Conference was held on the 16th and 17th of February 2016, conducted jointly by SRM University and Vivekananda National Trust, at the MBA Seminar hall.

The event was attended by several distinguished dignitaries. The event was inaugurated with the welcome address given by CA K.M. Padmanabhan, Independent Director ONGC RINL. It was followed by an overview of the event by Dr. N. Ravichandran from IIM Ahemdabad.

The highlights of the event included inspiring speeches by Sri. V. Shanmuganathan, Governor of Meghalaya and Tripura and Vice Chancellor Dr. Prabir Bagchi. He said, “The presence of youth in the progress of India cannot be stressed enough. The only qualification Swamiji wanted in youth was feel, feel for others” citing the examples of Swami Vivekananda, Sri Ramkrishna Paramahansa and other great leaders whose work created a seismic shift in the mindset of the country and their contemporaries.

The benedictory address was given by Swami Vimurthananda Maharaj of Ramkrishna Math, Mylapore. He applauded the extensive efforts undertaken by the volunteers who assisted in the flood relief operations in December.

The two day event provided a platform to discuss some of India's burning issues such as ‘Spirituality & Science’, ‘Swacch Bharat Abhiyan’ and ‘Energy Need of India’ amongst others.



Event co-ordinators and faculty of SRMC pose for a commemorative photo.

It's a Numbers Game: EMF 2016

Priyanka Murali

The perfect hexagonal figures in honeycombs, radial symmetry of sunflowers, symmetry in ratios between the sun and the moon that make eclipses possible; these are just a few examples of how mathematics is celebrated in nature.

The Sri Ramanujan Mathematics Club (SRMC) of SRM has its own tradition to celebrate the unique genius of budding mathematicians with its annual inter-collegiate mathematics fest “EMF 2016” held recently at the T.P.Ganesan Auditorium. The fest consisted of six main events namely Quiz, Charades, IQ, Puzzle, Crossword and NFS (Need For Speed). Each of the events was designed to test the participant’s intensive knowledge of trivia and practical application of mathematics. The event saw in attendance over

250 participants from various colleges across the country.

The opening address was delivered by Dr. T.P.Ganesan who spoke of the importance mathematics plays in a person’s daily routine and how it lends a certain clarity and brevity to even the most vexing problems. He also encouraged students to draw inspiration from Indian Mathematicians like Aryabhata and Srinivasa Ramanujan.

The chief guest for the event was Mr. Dipesh Shah, Executive Director, Kanchikarpooram Pvt Ltd. An alumnus of SRM University himself, he studied ‘Chemical Engineering’ at SRM University and graduated in 2001 after which he went on to do his MBA in Operations Management from Symbiosis, Pune. He recalled some of his fondest memories of time spent at his alma mater and the life lessons it taught him. He also

spoke to the students about various avenues that a strong foundation in mathematics could open up, for instance: a career in the field of Big Data Analytics, Software Applications and Data Encryption.

The prizes were awarded by Mr. Dipesh Shah and Dr.A.Govindarajan (HOD, Department of Mathematics). The winners of every event were awarded a certificate and cash price of 1500, the runners up a cash prize of 1000 and 500 for second runner ups.

The Department of Mathematics also looks forward to conducting its intra college fest IMF soon. Club members and faculty are optimistic that the club will continue to dole out events that are challenging and engaging enough to keep math savvy students coming back for more.

Are Gravitational Waves the key to the locked door of science?

Zafar Faraz

The debate between the theories of Einstein and Newton regarding the existence of gravitational waves has finally been put to rest, with its discovery on 14th September 2015. At just before eleven in the morning, in Europe, the waves were observed by Marco Drago, a thirty-two-year-old Italian postdoctoral student and a member of the LIGO Scientific Collaboration. He was sitting in front of his computer at the Albert Einstein Institute, in Hannover, Germany, viewing the LIGO data remotely when the waves appeared on his screen as a compressed squiggle. The sophisticated equipment are the most exquisite ears in the universe, attuned to vibrations of less than a trillionth of an inch, capable of hearing what astronomers call a chirp—a faint whooping from low to high.

After running various tests on 11th February 2016, the LIGO and VIRGO collaborations announced that they successfully confirmed the existence of gravitational waves. The gravitational ripples or waves were detected by LIGO laboratories that emerged from

the cataclysmic black hole merger categorically named as GW150914. The effect of the variation in the speed of light that reached earth was observed as a ripple. This altered a value that is equivalent to changing the distance of the Earth from the nearest star outside the Solar System by one hair’s width.

Such a miniscule change was enough to prove Einstein’s theory, who predicted its existence in his General Theory of Relativity. Einstein’s mathematics showed that massive accelerating objects (such as neutron stars or black holes orbiting each other) would disrupt the space-time continuum in such a way that waves of distorted space would radiate from the source. Furthermore, these ripples would travel at the speed of light through the universe, carrying with them information about their cataclysmic origins, as well as invaluable clues to the nature of gravity itself.

This event was a significant benchmark for scientists all around as it also proved the existence of binary stellar-mass black holes and similar mergers could also occur within the current age of the universe.

Mathematics and the challenges of modern technology

Staff Reporter

The successful outcome of any educational program is highly dependent on how the students learn and how effectively they can function at the workplace after completion of their study. Integration of modeling in general and mathematical modeling in particular in engineering education may provide the most suitable delivery system for engineering programs.

Mathematical modeling is the art of translating problems from an application area into tractable mathematical formulations whose theoretical and numerical analysis provides insight, answers, and guidance useful for the originating application. Learning about mathematical modeling is an important step

from a theoretical mathematical training to an application-oriented mathematical expertise, and makes the student fit for mastering the challenges of our modern technological culture.

To understand the applications of Mathematics in Engineering; Department of Mathematics, SRM University Ramapuram campus, organized “An interdisciplinary Mathematical Modeling” Competition based on Engineering Applications for the students recently. More than 100 teams were registered, out of which 45 teams participated with many innovative ideas.

Dr. K. C. Shivakumar, Department of Mathematics, IIT Chennai and Dr. K.N.Raghavan, IMSC Chennai, were the judges. While announcing the prizes, the judges said that

Mathematics enhances the ability of students to engage in abstract thinking and it also arouses their imagination. They mentioned that the models displayed in the competition were of high standard and advised the students to continue their efforts. They appreciated the Department for conducting the competition, thereby initiating the students to learn the applications of Mathematics in Engineering.

Dr. V. Subbiah Bharathi, Dean (E&T) Said “An innovative engineer is the one who is creative; and creativity comes from good imagination and abstract thinking. Therefore, a successful innovative engineer is the one who most likely equips himself with substantial knowledge of mathematics.” Vice Principal Dr. L. Antony

Michel Raj mentioned that Mathematical modeling is a powerful tool in engineering education that enables its users to minimize time and cost in design process. Both of them congratulated the Department of Mathematics for encouraging the students to think beyond curriculum. Sachindev S. of Mechanical Department won the

1st Prize. Shubham Bajaj and Team of Civil Department and Shanthanu Srivatsav and Team of EEE Department shared the 2nd Prize. Ajay Shankar Singh and team of ECE Department won the 3rd prize. Dr.Shakeela Sathish, HOD/Mathematics welcomed the gathering and R. Vijayalakshmi Asst. Professor proposed the vote of thanks.





SRM University Cricket Team with Vice Chancellor, after winning the National Inter University cricket Championship - 2015



SRM University Runners Up in National Inter University Tennis Tournament.



SRM University Winners in National Inter University Volleyball Tournament.



SRM University Winner in Red Bull State level Inter collegiate Cricket Men Tournament.



SRM University Runners up in National Inter University Table Tennis Tournament.