

The newspaper of SRM University

# SPECTRUM

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*University of Madras Vice-Chancellor R. Thandavan and SRM Group of Institutions Founder Chairman & Chancellor giving away the Gold Medal and Certificate to Vidya Saraswati student from M.Sc Computer Science and Technology at the 18th Graduation Day of SRM Arts & Science. Also seen is K. Subburam, Principal, SRM Arts & Science College. Pg. 3*



Strengthening Academic ... Pg.6



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ITKM Wins... Pg.11

## The challenges of a Wireless Sensor Network

**Khushboo Agarwal**

With limitless applications and a surge in research in the field of “Wireless Sensor Networks”, the Department of ECE (Electronics and Communication Engineering) recently organized a Short Term Training Program on “Recent Research Issues in Wireless Sensor Networks”. Dr. Narayana Rao, Director (Research) inaugurated the event, sponsored by the Indian Society for Technical Education (ISTE). About 30 teaching faculties Tamil Nadu, Nagpur and Andhra Pradesh participated. Dr. Guna Sundari of Pondicherry Engineering College gave an overview of “Wireless Sensor Networks and its research challenges” on the first day which was followed by talks on “Industrial Trends on WSN” and “Low Power Radio Sensor Network” from the Industrial sector. The second and third day also saw many celebrated speakers from MIT, Chennai, SSN

college of Engineering, Velammal College, Gill Instruments and SRM University. The topics covered included Object Detection and tracking in WSN, Power Optimization in WSN and Compressive Sensing in WSN. Mr. Gurjit Singh of Gill Instruments also gave hands-on training in “MSP 430 based sensor board programming”. The participants showed their enthusiasm towards learning the research trends and were illuminated by a practical session on “Introduction to network simulator software Qualnet and Intensive training on Wireless Sensor Network library” on the 4th day by Mr. Anand Kumar of Nihon Communication Solutions.

Dr. Narayana Rao and Dr. S Malarvizhi, HOD (ECE) also said that there should be more research in this field and showed interest in coming up with solutions for problems like Forest Fire Notification and many others.



Participants at the SRM-ISTE-SSTP on “Recent Research Issues in Wireless Sensor Networks”

## Panacea'14 A Festival of Panache



The organizing team of Panacea '14

**Razaq Saheel**

SRM medical college successfully conducted Panacea, a popular cultural fest. The fest which hosted 31+ events over a three day period was formally inaugurated by Tamil Film Director, Perarasu and film actress, Saranya Ponvannan. Featuring an array of categories ranging from the staple music, dance and fashion to unique events like Cocktail, Shipwreck and Treasure Hunt, the fest attracted participants from medical colleges across the city.

The fest was strategically organized into a three tier system. Events were classified by category into their respective tiers. Music and dance figured prominently in the proceedings with competitions such as Adaptune, Sound of Music and Footloose also drawing the largest crowds. But the main



A Bharatanatyam performance in progress

take away from the fest were its innovative and niche events such as coffee with SRM, Cine Quiz and Tattoo Designing that saw enthusiastic participation from the visiting colleges.

A major highlight, unsurprisingly, was the pro show that witnessed a power packed performance from the

popular playback singer Gaana Baala and the presence of many notable film personalities who were lavish in their praise of the quality of the fest. Overall, the winning college was Shri Muthukumaran Medical college which took home a large bounty from the prize pool of nine lakh rupees.

## BIO-ETHICS in Medicine

**Staff Reporter**

National Conclave & Seminar on Bioethics in Medicine was held recently. The theme of the Conclave was ‘Developing a Bioethics curriculum for Medical Education’. The components of the conclave were a retreat for discussions on bioethics curriculum; Seminar and a Consultative meeting of the Indian chairs and invitees.

The field of medicine has made rapid advances recently. As a result, newer ethical issues, are also emerging. Bioethics (medical ethics) deals with the study of such issues and finds

effective solutions. However, in the current medical curriculum, this field does not find its deserved place. Hence, when the students start their medical practice, they feel inadequate. Conscious of this lacuna, several initiatives had been taken, around the world. The division of Ethics of Science and Technology of UNESCO has published a Bioethics Core Curriculum in 2008. The International Chair on Bioethics has formed a wide international network on Bioethics, and has taken the lead. The Case books and Ethical commentaries, published by the UNESCO International Chair on Bioethics, serve as

very good resources.

India has the largest number of medical schools in the world. The Medical Council of India in the Vision 2015 Document calls for introducing ethics in the medical curriculum, at the undergraduate and the postgraduate levels. Thus, there is an urgent need for developing an appropriate curriculum. Several enlightened medical academia, in India, have designed and tested various courses of varying durations. At the field level, two issues hamper effective and universal implementation of a bioethics curriculum. The undergraduate medical student

is already burdened with a voluminous study load and the time available during the undergraduate course is very short. This issue is compounded by the non-availability of teachers, who are trained in bioethics. These two vexatious issues are sought to be solved by a novel model.

In this novel model designed at the India Nodal Bioethics Centre, the Core bioethics curriculum of UNESCO 2008, forms the main stay. The modular design and lesson plan integrate vertically into the existing general medical curriculum. The USP of this model is that it is comprehensive and requires minimal additional time and less number of exclusive bioethics teachers. This unique design, is christened as ‘Vertically

Integrated Teaching of Bioethics to the Undergraduate Medical students (acronym: vitum-bioethics).

The development of this model is a continuous process. Consultations are under way with several chairs, in India and abroad. This demanding task requires the effort and skill of all concerned. Besides the conventional bioethics principles enshrined in the western philosophies, cultural issues relevant in the local milieu need to be incorporated in the curriculum.

The conclave at SRM University, was a concrete step. This conclave represented India and Sikkim. Additionally, the national unit of Nepal was represented.

# Apply knowledge for welfare of all... Madras Univ. V.C.

## Spectrum Reporter

Colleges will be proud of its alumni, expectations would be high from them, it is upto the students to live upto them, said vice-chancellor of University of Madras R Thandavan. He was speaking during the 18th graduation day of SRM Arts And Science College at Kattankulathur.

About 432 graduates received their degrees on the occasion. You may reach great heights in life, but never forget the institutions from where you had earned the know-how, and your parents who help your learning process materialise, reminded vice-chancellor Thandavan.



The Madras University V.C. R.Thandavan addresses students at the 18th Graduation day at SRM

He advised the students to apply the knowledge they have gained from their institutions of learning for welfare of all.

He also said students must aim high, think high in life. Thandavan praised the centum placement achieved by the college, he also

lauded the research activities the teaching staff of the college were taking up. He appreciated the administration for concentrating

on life skill activities to enhance employability of educated youth, especially, special appreciation to the principal of the college K Subburam for bringing 100 percent placement and also maintaining quality by producing university of Madras top ranks and gold medals.

Founder chairman of SRM Group of institutions T R Pachamuthu praised the placement records the college has been achieving continuously for the past seven to eight years. He also praised the quality of staff and students, he said it was on par with professional colleges.

## Swarm Intelligence Algorithms

### Staff Reporter

The Dept. of EEE and IEEE computational Intelligence society jointly arranged the IEEE distinguished lecture programme at Dr.T.P.Ganesan Auditorium Mini Hall 2. Dr.K.Vijayakumar, Professor and Head, Dept of EEE, welcomed the august gathering. Dr.N.Kumarappan, Chair, IEEE CIS, Madras chapter, gave a detailed report about the activities of CIS and introduced the chief guest to the audience. The chief guest Dr. Yaochu Jin, Professor of computational Intelligence, Department of Computing, University of Surrey, Guildford, UK, gave a talk on the topic "Swarm Intelligence based on competition and social learning for scalable optimization".

The talk was about two recently developed swarm intelligence algorithms for scalable optimization, one based

on competition mechanism and other on the social learning mechanisms. Both the competition and social learning mechanisms are embedded into a framework of particle swarm optimization. In competition based swarm optimization algorithm, a pair wise competition mechanism is introduced, where particle that loses a competition will update its position by learning from the winner. In social learning based PSO, individuals learn from any better particles in the current swarm. Both algorithms have been shown to be very competitive with state-of-the-art swarm algorithms for the optimization of medium to large scale optimization problems.

The Programme came to an end with vote of thanks by Dr.S.S.Dash. About 150 participants from various institutions and universities attended the programme and were benefited.

## Living with Schizophrenia

### Spectrum Reporter

A Mental Health Exhibition was organized by the Department of Psychiatric Nursing, SRM College of Nursing, SRM University, commemorating World Mental Health Day Celebration. The main aim of the Mental Health Exhibition was to promote awareness regarding the WHO Mental Health Day Theme-2014, "Living with Schizophrenia" to patients and their relatives, at SRM General Hospital, Kattankulathur.

The Theme "Living with

Schizophrenia" was depicted through Posters, Role Plays, Slideshows and pamphlets. Posters lime lighted on, Clinical features of Schizophrenia, Management of Schizophrenia and Rehabilitation of Schizophrenia. Role Plays enacted by the BSc(N)III yr students pinpointed the stigma of schizophrenia and clarified the ways to break the stigma and throw light on the tireless support of the family members, in reshaping the life of the schizophrenics. Slide show portrayed Lifestyle modification for patients with schizophrenia

and Achievers living with schizophrenia. Pamphlets regarding Awareness about mental illness and Management of stress was prepared and distributed to the visitors of the Mental Health Exhibition.

The visitors were encouraged to give their feedback in writing. The overall feedback was that the Mental Health Exhibition was very informative, depicted in simple, clear language and it was instrumental in bringing awareness regarding Living with Schizophrenia.

## தேசியக்கவி சுப்ரமணிய பாரதியாரின் 133 வது பிறந்தநாள் விழா

ஸ்ரீமது அண்ணா பல்கலைக்கழகத்தின் அறிவியல் மற்றும் கலையியல் புலத்தின் தமிழ்த்துறை சார்பாக தேசியக்கவி சுப்ரமணிய பாரதியாரின் 133 வது பிறந்தநாள் விழா 11-12-2014 வியாழக்கிழமையன்று கொண்டாடப்பட்டது. இவ்விழாவில் புல இயக்குநர், தலைவர், துறைத்தலைவர்கள், பேராசிரியர்கள் மற்றும் மாணவர்கள் பாரதியாரின் உருவப்படத்திற்கு மலர் தூவி மரியாதை செலுத்தினர். மாணவர்களுக்கு இனிப்பு வழங்கப்பட்டது. இதுழியல் மற்றும் மக்கள் தொடர்பியல் துறையின் முதலாமாண்டு மாணவர் நந்தகிலேவர் வரைந்த பாரதியாரின் ஓவியமும் பாரதியாரின் பாடல்களும் அறிவியல் மற்றும் கலையியல்



புலத்தின் அணைத்து தளங்களிலும் மாணவர்களின் பார்வைக்காக வைக்கப்பட்டன. தமிழ்த்துறைப் பேராசிரியர்களும் கவிமாலை மாணவர்களும் ஒவ்வொரு வகுப்பறைக்கும் சென்று பாரதியாரின் கருத்துக்களை பிற்துறை மாணவர்களுடன் பகிர்ந்துகொண்டும் அவரின் பாடல்களை உணர்ச்சியுடனும்

பாடினர். சில வகுப்புகளில் பிற்துறை பேராசிரியர்களும் மாணவர்களும் பாரதியாரின் பாடல்களைப் பாடி மகிழ்ந்தனர். மாதர் தம்மை இழிவு செய்யும் மடமையைக் கொளுத்துவோம் என்று பெண் மாணாக்கியர் உறுதிமொழி என்று பெண்களின் இன்றைய ஆளுமைகள் குறித்து உரையாற்றினர்.

## From the Desk of The Chairman, SRM Group

The Chairman of the SRM Group of Educational Institutions, Mr. Ravi Pachamoothoo, has asked the SRM Community to send in their complaints, concerns and suggestions to him at srmchairman@gmail.com or through sms to 99400 88414 (text messages only)

# Physiotherapy students excel

## Spectrum Reporter

The year 2014 has been extremely memorable to the SRM College of Physiotherapy in which students excelled in both academic as well as cultural activities. SRM University has never failed to recognize the young talents and has always encouraged the students to participate in all activities, thus helping the students to become an all round performer.

SRM College of Physiotherapy organized the "Prize Distribution Ceremony" to appreciate the students and staff who had participated in large numbers in various Conferences, CME's and won prizes in various activities. The programme was presided over by former Pro-Vice Chancellor, Medical, Dr. P. Thangaraju, in the presence of Dr. N. Chandrababha, Director, Health Sciences, and

Prof. V.P.R. Sivakumar, Dean, SRM College of Physiotherapy.

The students were awarded with certificates and prizes, who had come out in flying colors in the recently held Spice 2014, National Conference of Physiotherapy at Yelagiri Hills organized by Vel's University, Chennai and in Synergy 2014 – a National Physiotherapy Convention organised by A.J. College of Physiotherapy, Chennai. In the Spice 2014-National Physiotherapy Conference, both Under Graduate and Post Graduate students actively participated in paper presentations, poster presentations, sports events and cultural competitions. SRM College of Physiotherapy students won the overall Individual Championship and Best team performance among Physiotherapy Colleges that participated from all over India.

In Synergy 2014, National Physiotherapy Convention –



Students & Faculty of the College of Physiotherapy

our students had participated in various academic and cultural events. Ms. Fanny Jannet, interneer won the 1st prize in Scientific Paper Presentations. The students of Physiotherapy had won prizes worth approximately ₹ 25,000/-. In his address Dr. Thangaraju called for excellence in co-curricular activities along with

the academic achievements as this will help in the overall development of the individual performance. The Director, Health Sciences, spoke about the achievements of the students and the need for various programmes to be organised in the College of Physiotherapy. Prof. V.P.R. Sivakumar, Dean, SRM College

of Physiotherapy, thanked the dignitaries for their presence and encouraged the students and also congratulated the students for their success. He also emphasized upon the need to complement each other and work hand-in-hand to achieve great success in future.



Dr. K.P. Muneeswaran, Director, Campus Life, inaugurating Jhalak 2014 with the lighting of the lamp



Students receiving their certificates at the end of the event



A duo performing "Double Dance"

## Jhalak '14- A Glimpse into the Inter-House Extravaganza

Shruti Ganesh  
Tryphena Augustine

The first two weeks of October saw the campus bustling with activity as everyone geared up for the yearly inter-house cultural and literary competition Jhalak '14. The eight houses are Aakash (E&T), Agni (E&T), Astra (FSH), Brahmos (PG & Management), Prithvi (E&T), Shaurya (Medical and Health Sciences), Naag (Arch) and Trishul (E&T). Each student, with a simple calculation on the student's register number, is grouped into one of the houses. The houses, with the exception of Naag, contended against each other in various events both on and off stage. The finale, on October 11th was inaugurated by Dr. K.P. Muneeswaran, Director, Campus Life at the TP Ganesan Auditorium.

The off-stage events including Quiz, Essay writing, Poetry writing, Debate, Photography and Short film

...pulling off this edition had been particularly challenging as this was the first time that an inter-house competition was conducted on such a large scale.

the teams had members from each house squaring off against one another individually. Another event that stirred the crowd was the Double Dance that required two members of each house to first face off each other, with a prop and song to perform on before battling it out with the other houses. There was also the usual Group Dance and Fashion Show.

Speaking about the difficulties faced in putting up such a show, Indranil Ghosh, Public Relations Organiser for Jhalak 2014 said that pulling off this edition had been particularly challenging as this had been the first time that an inter-house competition was conducted on such a large scale. He further added that compared to previous occasion this year had featured much more balanced competition between the various streams.

Astra was crowned the winner with respect to the cultural events while Aakash clinched the runners-up title.

were held earlier this month while the much awaited cultural events were held on the big day.

The proceedings started off with a musical contest held between the bands from various houses. This year, adding an innovative twist, the Seven-to-Smoke event was added wherein

# Impart acquired knowledge to paramedical staff, SRM Chairman tells Cardiologists

A Staff Writer

Doctors with specialised skills in interventional cardiology play an important part in saving lives especially at critical times but this knowledge has to be passed on to paramedical staff like Cath-Lab technologists, Cath Lab staff nurses and nurses at the intensive cardiac care, Mr. Ravi Pachamoothoo, Chairman of SRM Group of Institutions told leading cardiologists from India and the United States.

Delivering the keynote address to the Third Annual Conference of the Tamil Nadu Interventional Council, Mr. Ravi said "... doctors who have acquired specialized skills in interventional cardiology play an important role in treating heart attacks (Myocardial Infarction) and saving lives in the golden hour. But imparting the required knowledge to paramedical staff like Cath-Lab Technologists, Cath-Lab staff nurses and Intensive Cardiac Care staff nurses is of paramount importance. This will help the staff to take care of the patients, professionally as well as efficiently, till they are discharged from the hospital".

For a person who has established medical colleges, specialist hospitals and state of the art Cath Labs in all these institutions the Chairman of the SRM Group called on the Tamil Nadu Interventional Council—a sub-speciality council of the Cardiological Society of India, Chennai Chapter—to take the initiative and conduct training programmes and workshops for the paramedical personnel so as to provide "total care



The Chairman of SRM Group lighting the lamp and addressing the gathering.

for cardiac patients".

More than 350 leading cardiologists and related experts in the field from Tamil Nadu, India and the United States attended the two day meeting in Chennai—an event that included not only lectures by prominent personalities on advances in cardiology and interventional medicine but also workshops and hands-on operative procedures. Prominent cardiologists who put together the conference included Dr. S. Elangovan, Professor and Head of the Cardiology Department at SRM University Medical College and Research Centre and President of the Cardiological Society of India together with Dr. Sengottuvelu, Senior Consultant Cardiologist at Apollo Hospitals.

Representing SRM Group of Institutions were the Cardiology and Cardiothoracic Departments of SRM Medical College Hospital and Research and Research Centre at Kattankulathur and the SRM Institutes of Medical Science (SIMS), a super speciality hospital at Vadapalani headed by Drs Elangovan and Harshavardhan and Drs Subramanian and Raghuram respectively.



Dr. S. Elangovan, Professor and Head of Cardiology at SRM University and President Cardiological Society of India presenting a memento to the Chariman of the SRM Group.

For the first time there was a Live Case Workshop which was telecast from SRM Medical College Kattankulathur that featured two interesting but complicated cases—a 60 year old male with complex coronary artery disease (Chronic total Occlusion) where angioplasty and stenting were done using a "tapered stent", the first time such a stent is being used in India; and a 12 year old girl with a hole in the ventricular septum (ventricular septal defect) which

was rectified without surgery by the use of an intra-ventricular device. Both patients were discharged from hospital after three days and are doing well.

"If we are to go by current projections India will have the largest cardio-vascular disease burden in the world with one fifth of the deaths in India coming from coronary heart diseases. By 2020 it is believed that in India coronary heart diseases will account for nearly one-third

of deaths with more and more younger people of the country succumbing to this disease. It is certainly not a nice feeling to know that even while India grows rapidly economically and achieves a high level of technological advancement, hundreds of thousands of young Indians are not going to be alive to see all this" the Chairman of the SRM said in his prepared remarks.



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ourteen students from the University of Weingarten, Germany, led by Professor Eberhard Hohl were at SRM University recently as a part of an existing academic exchange programme already in place by the two Universities. The students are all pursuing part-time Management Studies at Weingarten while being employed gainfully in major corporate and industrial houses in Germany. Currently a Professor at Weingarten, Dr. Hohl has held top management positions in leading business houses in his country and led a team of five students in 2012 to SRM University. The week began with Prof. Hohl giving

# From Weingarten to SRM... Students

seminar on management models and work culture in the Bodensee region of Germany (the M-U-S-I-C model)-a programme held at one of the Mini-halls of the Dr. T.P. Ganesan auditorium that was well attended by staff and students of all faculties at SRM University, the Faculty of Science and Humanities in particular. Introduced to the political fabric of India and issues and management of challenges in an era of globalisation and information technology at the Conference Hall of the Faculty of Science and Humanities, the students spent time at Ford's manufacturing and assembly plant, BMW's assembly unit and Sunbright Embroideries in and around Chennai. The German students also visited the Indo-German Chamber of Commerce and Industry and media outlets Vendhyar TV and Pudiya Thalaimurai TV. The study week also included sight-seeing and shopping in Chennai and also a visit to Puducherry, formerly known as Pondicherry.

This photo feature shows students of Weingarten University with the Chancellor of SRM University, the Registrar, Dr. N. Sethuraman, the Director of the Faculty of Science and Humanities, Dr. R. Balasubramanian at the time of signing a new MoU further fine tuning cooperative relations between the two Universities and their social activities including relaxing and enjoying on their last day of their stay at the Windflower resort facility in Puducherry.



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# Strengthening Academic Bonds



Prof Dr N.Sethuraman, Registrar, SRM University handing out prizes to school children for competitions conducted as part of the program on Sleep Dentistry

## Creating dental awareness among children

### Spectrum Writer

A Continuing Dental Education Program on Sleep Dentistry was organized and conducted by the Department of Pedodontics. The program was inaugurated by Prof Dr N.Sethuraman, Registrar, SRM University in the presence of Dr. Mahesh K.T, Vice Principal who welcomed the gathering and delivered the Welcome address.

Coinciding with Children's Day, a "Free Dental Week" for children was also conducted. To increase the Dental Awareness among children "Free Screening

Camps" and cultural competitions were conducted in the nearby Government Schools. IDA – Greater Chennai Branch and Warren Pharmaceuticals sponsored Free Dental Samples for the school children. The Prize distribution for these children was done by the Registrar on Children's Day.

The Program commenced with lectures by Dr. M.S. Muthu MDS, Ph.D, Prof and Head, Department of Pedodontia, Sri Ramachandra Dental College and Dr. N.Elavazhagan, MD, Prof and Head, Department of Anaesthesiology, Asan

Memorial Dental College. They enlightened the students about Conscious Sedation – When, Where and to Whom? This was followed by Hands-On: Conscious Sedation on an unco-operative child. A live demonstration of treating a fearful child was performed by Dr. Kavitha with the Anaesthetist Dr. N.Elavazhagan and explained in detail by Dr. M.S.Muthu. The complete procedure was directly relayed by Dr A. Sankar from the procedural area in the Department to the Lecture Hall. Around 150 students and Staff members from Dental and Medical College participated.

## Expanding knowledge on applications of bioinstruments

### Spectrum Reporter

Two days workshop on "Principles and Applications of Analytical Instruments for Bioanalysis" was organized by Department of Biotechnology and Chemistry, Faculty of Science and Humanities. The focus of the workshop was to provide both theory and practical knowledge of analytical instruments such as 1H-NMR, HPLC, HPTLC, LCMS, Flow Cytometry and Mass spectrometry used in chemistry and biology. The workshop intended to train the post graduate students and research scholars on analytical instruments and their handling.

The workshop had both keynote lectures and technical sessions. The Key Speakers for the Day one session were Prof. K. K. Balasubramanian, Professor (retired), Department of Chemistry, IIT Madras and Former Executive Director, R&D division, Shashun Chemicals Ltd, Chennai.

He illuminated the audience with his value filled talk on 1H-NMR spectroscopy. Prof.

M. P. Rajesh Professor and Head, Department of Chemical engineering, Faculty of E & T, SRMU delivered a talk on Mass Spectroscopy which was application oriented. HPLC was explained by Prof. B. Sivasankar Professor (Retired), Anna University.

On day two Mr. Jayachandran narrated about the principle and applications of HPTLC and Flow Cytometry explained by Dr. M. R. Ganesh, Asst. Prof, ISISM, SRMU added more light to the entire workshop.

Valedictory speech was delivered by Professor S. Ponnuswamy, Controller of examinations, SRM University.

The workshop brought the scholars together from various parts of the state and provided common platform to all academicians to exchange their ideas and expand their knowledge about the applications of bioinstruments.

One of the objectives was to increase interest among academicians to choose a prolific path of life science through a robust staircase of bioinstruments.



The Director of the FSH, Dr. R. Balasubramanian welcoming Dr. S. Ponnusamy, Controller of Examinations

## Sky Is Not The Limit

Adrian Pereira  
Razaq Saheel

Declared in 1999 by the United Nations to commemorate the launch of the first human-made Earth satellite - Sputnik-1 and the signing of the Outer Space Treaty, World Space Week is an event that occurs in various academic bodies around the globe every year.

At SRM Space Week featured a large number of events. The Space Debate witnessed teams putting

forward arguments regarding India investing large amounts in space projects. Innovative ideas and potential developments in the realm of space came through paper presentations. Teams were to present their proposal to a panel, following which, they were questioned on the same.

The Space Quiz was another attraction during the Space week which showcased immense quizzing talent and provided students with an opportunity to display their pool of knowledge. EGGSTRONAUT provided yet another platform to innovate.

This event required participants to develop an efficient landing system so that the egg placed in their respective system does not crack. The World Space Week had its own Space Convention that discussed, demilitarization of outer space and the issue of space debris.

Star gazers had their wishes fulfilled with Space Tracers, an event wherein positions of stars were traced on paper. Budding scientists were successful in making rockets propelled by water in 'Rockets and Parachutes'. Wits were tested, clues were solved and codes were decoded to emerge victorious during the treasure hunt.



Students take part in events conducted as part of SRM Space Week

Apart from events, workshops and guest lectures were also organized during the World Space Week. Eminent speakers from the DRDO (Defense Research & Development Organization) were invited to conduct seminars for deep space enthusiasts. In addition, a workshop was also organized which familiarized

students with the building of a satellite. The Space Simulation and the Space Expo provided the perfect feel throughout the week and the entertainment quotient was kept high as a space themed movie 'October Sky' was screened at the amphitheatre.



Dignitaries hold up a copy of a book released as part of RACE '14

## RACE '14... Advances in Chemistry

### Spectrum Reporter

Race is a small thought, like tiny drops, and it has culminated like an ocean. The Department of Chemistry had organized a national conference on Recent Advances in Chemistry and Environment – RACE 2014. The event provided an opportunity in further enhancing the collaborative research globally. RACE reached its heights in associating with prestigious, research institutions of our country like Central Leather Research Institute & Institute for Research and Development.

Dr. K. Duraivelu, Dean (E&T), SRM University welcomed the gathering, Dr. C. Muthamizhchelvan, Director (E&T), SRM University, presided over the function and spoke on recent advances in nanomaterial technology and its influence globally. He also gave a clear

RACE reached its heights in associating with prestigious, research institutions of our country like Central Leather Research Institute & Institute for Research and Development.

picture on adverse effects on pollution with a video. Dr. Indira Priyadarshini, Head / Chemistry & Convener of RACE introduced the chief guest Dr. A.B. Mandal, Director, CLRI, and Dr. J. Daniel Chellapa, Nuclear Scientist (BARC). RACE had renowned dignitaries

like Director (E&T), Director CLRI, Nuclear Scientist (BARC), Mr. Mani Chairman (IWMA), Mr. Rathinam, Vice-President (TES-AMM) and Mr. Ravi Young Indians, who made RACE 2014 an elite show.

Dr. A.B. Mandal, Director, CLRI inaugurated the conference and released the proceeding. Dr. J. Daniel Chellapa, Nuclear Scientist, BARC received the first copy of the souvenir and in his keynote address specified that the collected daily waste in Chennai is 4000 Tons. "It is high time that general awareness should be given on types of waste and its disposal to our society" he said.

The conference covered three invited lectures which focused on different techniques introduced in recent times. Lectures were concentrated also on effluent treatment and giving industrial solution. The participants were from industry, educational institutions, research organizations and all universities from Tamil Nadu, Pondicherry, Andhra Pradesh, etc. More than 150 participants took part in this conference.

### Faculty credits during the 42nd Indian Prosthodontic Society Conference

Dr. V. Vidyashree, Nandini, Professor and HOD, Department of Prosthodontics and Implantology won the "Best faculty paper award" in the 42nd Indian Prosthodontic Society Conference held at Chandigarh. Dr. Sendhilnathan, Professor, was felicitated during the conference for successfully completing Part I Examination of The Indian Board of Prosthodontics (IBP). He belongs to the first batch of Board certified Prosthodontists to complete part I Examinations successfully. Dr. Russia, Senior Lecturer, was also felicitated for successfully completing her stint at the Tokushima University, Japan as part of an Exchange program between Japan Prosthodontic Society and Indian Prosthodontic Society.



Dr. D. Sendhilnathan



Dr. Vidyashree



Dr. Russia.M



Dr. K. Sridhar

## Enlightening clinical tips during fabrication of fixed prosthesis

### Spectrum Reporter

A Continuing Dental Education program on "Impressions to Delivery of Fixed prosthesis" was organized and conducted by the Department of Prosthodontics and Implantology. The Program was mainly aimed at the upcoming dentists to enlighten them on the clinical tips in the steps involved during fabrication of fixed prosthesis. The program was inaugurated by Dr. P. Thangaraju, former Pro-Vice Chancellor (Medical), SRM University in the presence of Dr. N. Vivek (Dean) and Dr. Mahesh K.T (Vice principal), SRM KDC&H. Dr. Vidyashree Nandini, HOD, Department of Prosthodontics and Implantology delivered the welcome address.

The Program commenced with lectures, by Prof. Dr. Vidyashree Nandini. V, Dr. Sendhilnathan. D, Dr. Cholan. R., enlightening the students with current concepts and techniques in impression making, provisional restoration and cementation of fixed prosthesis respectively. Overall 200 students attended the lectures including both undergraduate and postgraduate dental students. The lecture was followed by a hands-on demonstration of various newer materials and techniques in impression making, provisional restoration which was of great help to budding dentists and practitioners. The hands-on program was co-sponsored by 3M ESPE. Around forty interns attended the hands-on workshop.



Address by the chief guest Dr. P. Thangaraju former Pro-Vice Chancellor (Medical) SRM University



Demonstration of materials by Dr. Mrinalini from 3M ESPE during the Hands-on program

## New Pro-V.C. for Medical

Dr. K. Sridhar, former Director, Institute of Plastic surgery and Senior Vice President (Medical) at SRM Institute for Medical Science, Chennai, has been appointed as the Pro-Vice chancellor (Medical) of SRM University.

A member of the Tamil Nadu state planning commission, Dr. Sridhar completed his MBBS at Kasturba Medical

College, Manipal and his M.S. in General Surgery at the Sam institution. He did his M.Ch in plastic surgery at the Stanley Medical College, Chennai.

He is a former National President of the Association of Plastic Surgeons of India. Dr. Sridhar's special interests are hand surgery, Micro vascular surgery, cranio Facial surgery and Leprosy Reconstruction.

# Listerine Lecture Series

## Spectrum Reporter

A lecture program on ‘Concepts of Biofilm and Periodontal Disease’ was organised and conducted by the Department of Periodontics. The program was inaugurated by Prof.Dr.N.Vivek MDS, Dean, SRM Dental college, SRM University.

The program was conducted in the campus. Around 150 students and staff members from Dental College participated which was mainly aimed at the upcoming dentists. Prof. Dr.P.L.Ravisahankar., MDS, HOD, Department of Periodontics

& Implantology, welcomed the gathering and delivered the welcome address. The program commenced with a lecture by Dr. Priyadarshni.R., MDS., whose talk enlightened the students.

As part of the program, students were requested to fill in feedback forms about the program which was collected by the TL/PME –LISTERINE on the day of the event itself. Listerine kits were distributed to the students. The whole program was initiated, and organised by the program coordinator Dr.Y.Pradeep Kumar, MDS.



The SRM School of Teacher Education and Research conducted a State level workshop on “Art of Writing Research Papers to Publish in Educational Journals”

# The art of writing publishable research Papers

## Spectrum Reporter

The SRM School of Teacher Education and Research, has been conducting several National and International Conferences for the past ten years to enhance the quality of research in teacher education. This year a state level workshop was conducted on the theme of “Art of Writing Research Papers to Publish in Educational Journals” to keep abreast of the latest procedures and APA ( 6th edition ) styles of preparing research articles for submitting to international journals.

Research scholars from reputed

Universities, scholars from Bhutan, Nigeria and other countries participated in the workshop.

The resource persons were two retired veteran Professors Dr. A. Ponnambala Thiyagarajan, Former Principal, VOC College of Education, Tuticorin and Dr. D. Brahadeeswaran, Former Prof. & Head, Dept. of Policy Planning & Educational Research, NITTTR, Taramani. Immediately after a brief welcome address by the Head, Dr. N. Prema, the workshop started with in-depth lectures and slide presentations by the resource persons. They made impressive

strides in guiding the scholars to go ahead by assigning topics for analysis under Spider’s Chart and in forming verifiable hypotheses for arriving at correct conclusions. Beginning from the submission of a proposal for stepping into the arena of research, they passed through writing of the thesis, preparation of research article and feature article and the rigorous procedures of submission of the articles to national and international journals.

The next planned step is organising an international workshop by inviting learned professors from abroad.



SRM Department of Periodontics conducted a lecture program on ‘Concepts of Biofilm and Periodontal Disease’

## Bridging the Industry-Academia Gap: One credit course on “Surface Engineering”

A joint effort by India Pistons Ltd. and Department of Mechanical Engineering, SRM University.

### Spectrum Reporter

SRM University took a new initiative to introduce a one credit course in B.Tech degree programme. This course is to be offered by experts from industry to enable students to get exposure of industrial environment, an opportunity to interact with industry people and learn industry culture. Dr.N.Gowrishankar, Director, Group Materials Research, India Pistons Ltd. Chennai, was invited to offer a one credit course on Surface Engineering to the seventh semester students of Mechanical Engineering department.

Only ten interested students were selected on a first come first serve basis.

This course covered basics of surface engineering, various industrial surface modification techniques, surface characterization techniques, surface engineering practices at IP Rings, and Total Quality Management in Indian Engineering Industries. The students visited the industries IP Rings Ltd and IP Pins Ltd. Various surface engineering practices namely carburising, nitriding, phosphating, plasma spraying, and PVD coatings on auto components were demonstrated to students by industry personnel.

Dr.N.Gowrishankar and Mr.U.Jaikrishna impressed the students with lot of examples during their lecture. On completion of the course our students applied their knowledge to harden the low carbon steel gear (62HRC)



Students visiting IP Rings Ltd and IP Pins Ltd. as part of a one credit course on Surface Engineering

by a pack carburising process conducted at our metallurgy laboratory. Dr.N.Gowrishankar appreciated the dedication and sincerity of SRM students at towards course. Dr.M.Gopal, Dr.G.Murali, Mr.Shubrajit Bhaumik, Mr. R. Murugesan, Mr.A.Thirugnanam and Mr. Veeranath, faculty members from School of Mechanical Engineering supported India Pistons team. During conversation with Dr.Gowri Shankar, he said, “Students should not only get the knowledge from classroom

lectures but should also be able to see what they are studying. Thus, a practical oriented course would be useful to make a industry-ready candidate”.

He also added, “With such kind of joint ventures between academics and industry, the gap between the industry and academia can be reduced and students would be industry ready”. He thanked the Management of SRM University for actively supporting such an initiative.

## Staying with a tradition

### Staff Reporter

SRM Institute of Hotel Management celebrated International Chefs Day in collaboration with South India Culinary Congress (SICA). Each year, on October 20, World chefs and its members celebrate the International Chefs Day. This important date goes hand-in-hand with an annual theme, aimed at giving pride and honor to the profession. This year was no different and the 2014 International Chefs Day theme comes with a twist and is named: PASS IT ON.

The 2014 PASS IT ON theme presided over by Dr.P.Thangaraj, former Pro-Vice chancellor (Medical), SRM University, aims to emphasize the importance of knowledge and skills exchange, while underlining communication, open-minded approach and action for a cause, as one of the key elements to achieve sustainable development, preserve Chefs legacy, and nevertheless – make a good deed.

As the slogan states, Chefs of all ranks and age around the world have been called up to pass on their knowledge and know-hows, while bearing in mind a meaningful impact they have on sustainability and society in general, and emphasizing on the important role they play as mentors, change agents and humanitarian pioneers in a global scale.

Director Dr. Antony Ashok Kumar brought in the festive season by arranging cake mixing, an age old tradition involving the mixing of various ingredients to make the world famous “Christmas Cakes”. This event saw the various renowned chefs like Chef Sheetharaman (GRT Grand), Chef Soundararajan (Club Mahindra) Chef Chandra Sekar (Taj Connemara) and Culinary consultant, Jugesh Arora, along with 16 more chefs and guests actively took part in the occasion making the event a grand success.



SRM Institute of Hotel Management celebrates International Chefs Day



Honourable Chairman inaugurating the group assignment exhibition and honouring students who won in the competition in the four days personality development workshop organized at SRM Medical College Hospital & Research Centre.

## Datacenter Team of ITKM Wins in Global Contest

### Staff Reporter

We have always known that our University is Wi-Fi enabled and we have access to extensive online academic journals, but little do we know about the team that extends full IT support for the smooth functioning of different process of the University. The datacenter team of the Department of Information Technology and Knowledge Management (ITKM), SRM University caters to the needs of the huge student population and faculty community by ensuring uninterrupted mail service and strengthening network infrastructure. The team is also responsible for maintaining servers and applications which are used by students, faculty and prospective applicants.

ManageEngine OpManager is a network and data center infrastructure management software that helps large enterprises, service providers to manage their data centers

and IT infrastructure efficiently. The contest was open to all the OpManager customers across the globe and the participants were asked to post screenshots of the new Fluidic OpManager dashboard. The Datacenter team of SRM University participated in the global competition announced by Manage engine for best network management software implementation. The team had worked hard to upgrade the Network Management Software (NMS) and to migrate all the existing 250 critical servers, switches and appliances to new fluidic UI and uploaded the real time monitoring screen shot during July 2014. All ManageEngine’s customers had participated and the panel of judges selected four teams SRM University (IN), Gaia Technologies (UK), Bordne (US) and Roberto (Italy) and all the winners were presented with a 50” LED TV. Apart from OpManager ITKM Helpdesk is using ServiceDesk Plus application from ManageEngine to handle

the service requests raised by all the stakeholders of the university. The major responsibilities of the Helpdesk includes - Receiving and acknowledging telephone and e-mail requests for all IT services, basic troubleshooting, new employee registration, Email Id Creation, fingerprint registration for Biometric and ID Card Printing. “We thank our Director for motivating us to participate in the competition. We are very happy that we won this competition and this has yet again proved the importance of team work in any project. “I thank our management for providing such professional work environment at SRM University”, said R. Balaji, Project Manager, Department of ITKM. Dr. K. Mohan, Director, ITKM said that this achievement stands as a testimony for the hard work and the dedication of the team. The director is also hopeful that the team will achieve success in all the endeavours.



The winning team with the Director Dr. Mohan and Dean, Ms.Arundathi

## RESEARCH DAY

27th February 2015

**ATTENTION!!**

Students of UG, PG and Research Scholars at SRM University

Research Day will be celebrated at SRM University on Friday, 27th February 2015. It is an excellent opportunity for all the students and Research Scholars to exhibit their aptitude for research on the Research Day. We call for research papers on innovative and application oriented topics from the students of all faculties of SRM University. Abstracts of the papers not exceeding 250 words may be submitted at <http://mysrm.srmuniv.ac.in/research-day/> on or before 30th January 2015.

Gold and Silver medals will be awarded for the best research papers.

#### IMPORTANT DATES

Last date for submission of abstracts : 30th January 2015  
Date of communication to students regarding acceptance : 10th February 2015  
Paper presentation in the Research Day : 26th February 2015

#### FOR FURTHER INFORMATION CONTACT

Director (Research) – narayanarao.d@srmuniv.ac.in  
Dean (Research) – kasmirraja.sv@srmuniv.ac.in



(Under section 3 of UGC Act 1956)



SRM University Volleyball (Men) team secured Runner's up in the National Inter University tournament which was organized by Kurukshetra University, Haryana between 7 to 12th November 2014.



SRM University Chess team won the National Inter University Championship which was held at Amity University, Noida (UP), between 11 to 16th November 2014.



SRM University Ball badminton women team won Runners up trophy in the National Inter University Ball badminton women tournament which was held at B.S.Abdur Rahman University, Chennai between 26th & 30th December 2014



SRM University Ball badminton Men team won the National Inter University Ball badminton Men tournament which was held at SRM University between 20th & 24th December 2014.



SRM University Football Men team won the Chief Minister trophy and received 18 Lakhs cash award (one Lakh per player) from Sports Development Authority of Tamil Nadu, Chennai.



Recently SRM University Cricket (M) Team won First Place in the south Zone inter University cricket Men Tournament. This has held at J.J College of Engineering & Technology, Trichy and qualified for the National inter University which is to be held at V.B.S. Puruwoanchel during second week February 2015.



SRM University Volleyball (Women) team qualified for the National Inter University Women tournament which is to be held at Jiwaji University, Gwalior between 15th & 19th February 2015.

## 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**