The Founder Chancellor Presenting a memento to His Excellency the Governor of Tamil Nadu Mr.Banwarilal Purohit at the National conference on Autism. Also seen in the picture are the Vice Chancellor and President of SRMIST

An incoming fresher lighting the lamp at the start of the Induction Program of E&T. Looking on (from left) are the Vice - Chancellor, Director of E&T, Founder Chancellor and Registrar

SOCIAL ACTIVITY

Visit to an old age home

STAFF WRITER

"Visit to old age home" is a social event which was conducted by Initiating Fusion which is a non-profit social work initiative taken up by the SRM Institute of Science and Technology. The event was conducted recently with the members of the team being from various departments like I.T, software etc. The members were divided into groups and each group was given a responsibility of going and interacting with the people living in the home. After the activities, we provided them with lunch and helped them with basic needs. After lunch as per their request we arranged for a screening of a movie in their home. They loved the movie. Every person inside the home had a smile on their face, a smile which would be cherished for a very long time. After the movie ended, the event continued for some more time with more stories being shared. Once the event concluded, the volunteers bid farewell to the people of the old age home with a promise to visit them in future.

The event was carried out with extreme politeness and calmness, making sure that the people do not feel the slightest of discomfort. Every volunteer gave their best and had a great time in spending the day with a people of old age home. The staff was also very supportive. One day might not be enough for them but even such a small step ensures a march towards a better future and creating a better world.

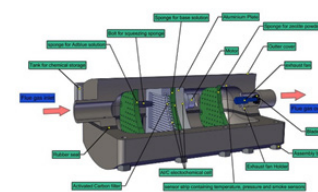# Student Achievements @ IICDC-2017

STAFF WRITER

India Innovation Challenge Design Contest (IICDC-2017) is a nationwide competition which is jointly conducted by Texas Instruments and Department of Science and Technology (DST), anchored by NSRCEL, Indian Institute of Management, Bangalore (IIMB) and supported by MyGov. IICDC is conducted under the Make In India Initiative to identify the top 10 innovations of the country, and it helps them with seed funding and launching their startups with total prize money of 3.8 crores.

A group (Mr Ashfaq Ahmed - Team Leader, Mr Yogeswaran G and Mr Nibi Maouriyan) of second-year students from the Department of Mechanical Engineering participated in the competition and qualified for the finals of IICDC-2017 to be held at IIMB on August 10, 2018. A total of 5049 teams from 965 organizations consisting of 15,380 students participated in this contest. After various stages (phase 1, phase 2, quarterfinal, semifinal), our student's team reached the finals comprising of 30 groups.

Their project title is "Automated Automobile Exhaust Purification System". The purpose of the system minimizes the effects of the harmful exhaust gases emitted from the automobiles and the

The student team at IICDC-2017 Semifinal

Design and Prototype of Automated Automobile Exhaust Purification System

industries. The treatment is done effectively by using economical and eco-friendly reagents such as AdBlue, Activated carbon, and zeolite. The device will be embedded in the process cycles of flue gas emitting systems resulting in significant reduction of the environmental harm caused by the emission gases, in the same time having the ability to measure the harmful contents in the emitted gas quantitatively. The Monitoring leisure helps the users to maintain a record of the pollution caused by their vehicles/factories. The primary goals of the system are to reduce the adversity of the exhaust gases and to convert the by-products from treatment into value-added products.

Students of the SAP program

Benefitting from Semester Abroad Program (SAP)

STAFF WRITER

Semester Abroad Program (SAP) is a unique initiative organized by SRM University which aims at globalising education to its student. This program allows the students to take up a few courses or a Major Project for one semester in reputed institutes across the globe. The Department of Genetic Engineering has been a pioneer in SAP by being the one department with the most number of students going abroad for the research project. Some of the prestigious universities include Harvard University, National University of Singapore, Stanford University, Yale University, and University of Cambridge etc. Students from the Genetic engineering department have visited universities in various countries across the globe such as United States, Sweden, Germany, Taiwan, Singapore etc. gaining an overall w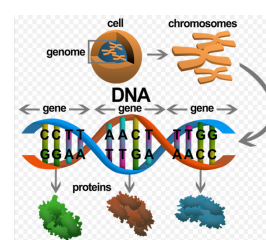orldwide knowledge about their areas of interests and coping up with the other research activities occurring in other universities. This kind of interaction promotes exchange of notable thoughts and ideas enabling people of different nationalities to come together for a common cause. The program coordinator, Dr.Arul Jothi noted that a total of 45 students have benefitted from the SAP from the Department of Genetic Engineering during the 2017-18 academic year.

Gene discovery promises to improve clinical medicine

STAFF WRITER

The genetic engineering is the forefront of medical advancement due to exceptional developments in DNA sequencing greatly helping to understand genetic diseases, identification of drug targets, drug development, molecular diagnosis, customized medication, and genetic counseling. Dr.Parani Madasamy, Professor and Head of the branch of Genetic Engineering said that it is considered as the backbone of biotechnology and it is the best option for the students who aspire for the clinical field. He in addition insisted that the doctors can prescribe the drugs; genetic

engineers do studies to pick out the proper drug. In fact, high end biological drug development is the forte of genetic engineers. Also, while doctors treat the diagnose and treat the existing diseases, geneticists can forecast the diseases in this generation as well as future generations. Personalized medicine makes it viable to prescribe the right drug to the right patient instead of finding the drug by trial and error method, which is hugely significant in case of ailments requiring best treatment, terminally sick patients, and treatments like cancer involving expensive drugs and treatment procedures. The latest developments and its applications in genetic engineering, drug development, gene therapy, diagnosis, individual-centric treatments are considered as a field with immense scope for research, development and personally satisfying career.

Tackling the severity of Autism

STAFF WRITER

SRMIST in association with the college of occupational therapy organized the first National Conference on Autism at its Kattankulathur premises today. The conference was chaired by his excellency Thiru. Banwarilal Purohit, the governor of Tamil Nadu, Dr. T.R. Paarivendar, the chancellor and Dr. P. Sathyanarayanan, the president of SRMIST.

The conference commenced with lighting the lamp by all the dignitaries, following which Dr. N. Chandraprabha, Director Medical & Health Sciences, SRMIST welcomed the chief guest, the distinguished personalities and the audience with the welcome address. Dr. T. R. Paarivendhar, the Chancellor SRMIST delivered the presidential address, he emphasized on the impact of Autism in self, family and societal level and added about the severity of the autistic disorder and the various measures taken

The Vice Chancellor, Chancellor, his excellency Governor of Tamil Nadu, President and Registrar at the conference

by SRMIST such as the sensory garden to counter the disorder for the benefit of the youngster community.

Felicitations were in order and were presided by Dr. P. Sathyanarayanan, the president of SRMIST following which he enlightened us with startling statistics. He also stressed upon the implementation of different fields and branches of medicine to be integrated to find an effective

solution to the problem.

Dr. Sandeep Sancheti, the Vice Chancellor took the opportunity to announce the induction of the university to tier 2 by the UGC. He also shared his views regarding more importance being given to conventional subjects and its rising in the Indian job sector and about the importance of such conventional subject studies which differ from core subjects. The chief guest address

was graced by Hon'ble Governor of Tamilnadu, Thiru. Banwarilal Purohit who enlightened us with the various types of Autism Spectrum Disorder (ASD) highlighting the fact that ten million children - one-seventh of the world's autistic population is from India. He commended the efforts of SRMIST for taking the first step to effectively combating this disorder. The Governor also shared his views on how such children are to be approached

by parents, peers and society. He mentioned that only love, care and understanding can nurture such children and bring up a significant change in their lives.

The governor also released the conference souvenir, making it a memorable event. The conference came to an end with the Dean of SRM College of occupational therapy, Dr. U. Ganapathy Sankar proposing the vote of thanks.

Brain Image Analysis using Machine Learning

STAFF WRITER

Interpreting brain image experiments requires analysis of complex and multivariate data. A new instrument for imaging human brain activities, such as fMRI offers a wonderful opportunity to study the mechanisms of the brain. One analysis approach is the use of statistical machine learning algorithms to analyze fMRI data, which can learn to identify and track the cognitive processes, decode brain stimuli, mental states, and behaviors of fMRI data. Humans are subjected to read nouns about tools, buildings, food, or several other semantic categories. The linear classifier algorithm is trained and used to decode whether the words are being read by a human subject. The trained linear classifier is 90% accurate, for example, discriminating whether the subject is reading words about tools or buildings. Feature selection is often deemed necessary in order to train classifiers in domains where datasets have very large numbers of features. Intuitively,

the goal is to reduce the ratio of features to examples, decreasing the chance of overfitting, as well as to getting rid of uninformative features to let the classifier focus on informative ones. Almost all the fMRI decoding research results used either feature selection or some other form of dimensionality reduction. The machine learning technology for this research was able to capture data to see the activation patterns and have the computational model to make sense of them. The following Fig.1 & 2 show, for each of three different subjects, the degree to which different brain locations can help predict the word's semantic category. Red and yellow voxels are most predictive. Note the most predictive regions in different subjects are in similar locations.
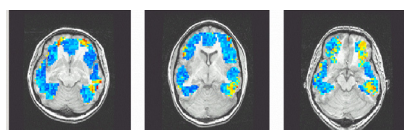
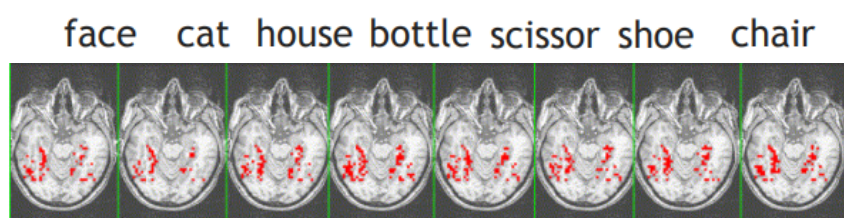*Fig. 1 word's semantic category prediction by different location of brain.*

face   cat   house   bottle   scissor   shoe   chair

Fig. 2 Activation patterns reflects category similarity

Prof. Sandeep Sancheti takes charge as President of AIU

STAFF WRITER

Dr. Sandeep Sancheti, Vice Chancellor of SRM Institute of Science and Technology (SRMIST) has assumed charge as the 97th President of the Association of Indian Universities (AIU). Founded in 1925 and initially known as the Inter-University Board of India, the AIU has currently more than 720 members represented by Vice Chancellors.

Known as an institution builder, before coming to SRMIST as its Vice Chancellor, Prof. Sancheti served as President, Manipal University Jaipur, Founder Director, National Institute of Technology, Delhi, Director, NITK Surathkal and Director In-charge of NIT Tiruchirapally, NIT Calicut, School of Planning & Architecture (SPA) Delhi and also Mentor Director of newly established NIT Goa, NIT Puducherry and NIT Sikkim.

A Ph.D from Queens University of Belfast, UK, Prof. Sancheti has a B.Tech in ECE from Regional Engineering College, Warangal (now NITW) and M.Sc. (Engg) from Delhi College of Engineering (now DTU). He has thirty five years of

teaching, research and administrative experience. A member of Govt. of India Science and Technology delegations to Republic of Ireland and the United States, Dr. Sancheti serves on the panels of a number of academic bodies, planning, governing, selection and advisory committees of MHRD, AICTE, UGC, NAAC, NBA, DRDO, CSIR, to mention a few.

Seen as the representative of all Universities of India, the AIU facilitates coordination and mutual consultation among Universities as well as acting as a liaison with Central and State governments. The AIU, besides promoting academic excellence nationally and internationally is also a body that is very much involved in cultural and sporting activities.

A Platform for the bright Tractor Design Competition 2018

STAFF WRITER

SAE India Southern Section is very happy to initiate the Tractor Design Competition (TDC) for the First time in India under Student Design Competition category, targeted to solve many of the real time challenges at SRM Institute of Science Technology, Kattankulathur, Tamilnadu

It provides a platform for connecting the bright and prosperous engineering talent available in the country with the real life challenges.

Through this program students across India will participate in providing innovative solution towards product design & development challenge.

Tractor Design Competition takes students beyond textbook theory by enabling them to design, build and test the performance of tractor and then compete with other students from all over India.

Students are challenged with a hands-on engineering experience that also requires budgeting, communication, project management and resource management skills.

Students also gain valuable exposure with recruiters of leading OEM in off-highway industry to help them land their first Engineering Job after graduation.

Students gain practical experience in various Vehicle system level integration and sub systems like, Design of Drive systems, Tractor performance, Manufacturing process, and Analysis of Tractive forces.

Evaluation of Students Design report is done by Industry experts and Vehicle build is inspected and feedback is provided for further improvements during the design and development of

Participants at TDC

the team vehicles.

Reports are collected from all the teams which includes Design report, Cost report and built status review and further reviewed by Industry experts.

Teams are requested to submit the Design report detailing, Customer requirements, Conceptual design details, Design logs. Analysis reports, FMEA and Test and Development, Original and Innovative ideas, Cost report – Total Manufacturing cost, BOM wise cost and Aggregate based cost.

The Event was framed for 3 days consisting of Static and Dynamic tests, which includes Safety as first and foremost mandatory criteria.

Day1:

Technical Presentation: The teams were expected to provide a Technical Presentation for their designed tractor. The presentation is evaluated based on their design, cost, manufacturing concepts and their application.

Technical Inspection: This was carried out at various stages. The stages were.

1. Weight Measurement

2. Dimension Measurement

3. Engine testing

4. Brake testing

5. Saftey test

6. Noise, Steering and run

Experienced Industry Judges visited all teams about their build readiness and provided the feedback to all the teams to prepare for the final event.

Day2:

Manoeuvrability:

The teams which have cleared all the Tech inspection are allowed for Manoeuvrability. In this test the tractor is allowed to run via a small circuit.

Day3:

Durability:

This was the Final event where every tractor is allowed for performance test with various constraints. The Constraints are built at track with Sand bed and Bump track.

The Tractor has to run 3 laps on each track, which will ensure vehicle stability and performance.

TDC - 2018 National level champions are:

1st place : Government College of Technology, Coimbatore

2nd place : SRM Institute of Science and Technology, Kattankulathur

3rd place : University of Pune, Pune.

Know your SRM Marine Technology Society

STAFF WRITER

SRM University is the first Indian university to start SRM-MTS student division in India. The inaugural ceremony for SRM-MTS student chapter commenced with group of dignified persons – Dr. R. Venkatesan (Scientist G and Head, NIOT), Dr.C.Muthamizhchelvan (Director E&T, SRMIST), Mr. R. Nandakumar (Secretary, MTS) and Commodore Shekar Dr.J.Preetha Roselyn, Assoc Prof/EEE. Faculty mentor of SRM MTS Society introduced the office bearers and elaborated the works of different technical teams of SRM. Two technical events and one student awareness camp were arranged in schools to promote awareness, understanding, advancement and application of marine technology and its vast applications to the school students which will help them in pursuing their bachelors degree in marine related studies. A national level project competition was held during Jan 2018.The theme of the competition is to develop a remote communication system for marine purpose without GSM or satellite phones. Around 47 participants comprising 18 teams participated in the competition from various institutions.MTS students have received internship programs in NIOT, Chennai. Totally 3 students of our institute have received scholarships worth ₹ 1,25,000 from Marine technology society, US.

13th Inter Dental Collegiate Prize Examination In Pharmacology

STAFF WRITER

The Thirteenth Inter Dental Collegiate Prize Examination was conducted consecutively and successfully recently. SRM Dental College, Ramapuram is the only College conducting Inter Dental Academic Competition in Pharmacology for Dental Colleges of Tamil Nadu and Puducherry.

Dr. R. Shivakumar, MD, PhD., - Chairman, SRM University, Ramapuram and Trichy campuses, Dr. Nafeesa Iqbal, MD., Professor & HOD and Assistant Professors – Dr. Vinodhini & Dr. Subashini of Pharmacology Department were instrumental in conducting this Brain Boosting programme.

Director – Dr. Sridhar, IAS, inaugurated the function, Vice Principal and Clinical Society Chairman, Dr. Rajkumar and Dean – Academics, Dr. Saravanan graced the occasion. Dean, Dr. K.Ravi, MDS., was a source of encouragement. 99 students participated from 16 colleges from Tamilnadu and Puducherry. SRM Dental College, Ramapuram, has been excluded from awarding Prizes. Still in the overall ranking, SRM Dental College, Ramapuram stands FIRST for the past twelve years from 2006 - 2017. This year, in the overall ranking SRM Dental College, Ramapuram student have secured the Third rank.

Feedback of participants, parents and staff are given below:

"Appreciation for concentrating on academic competition, since most of the colleges conduct cultural competition only".

"An innovative examination in Pharmacology with various objective type questions which were Excellent, In Depth and Challenging".

"Gained experience, exposure and confidence to face the University Examinations and is a Stepping Stone for National and International Competitive examinations".

The programme was conducted in a well organized and best possible way.

Spotlight on Career

STAFF WRITER

" With your entire focus on your goal, You will reach levels of achievement that you never thought Possible"!

The academic Year 2017-18 has been very fruitful for Career centre as we have achieved many milestones during this period. The Career Centre of SRM Institute of Science and Technology which looks after Training and Placements across all the 4 campuses facilitated the following Industry-Academia tie-ups recently.

The first Tie up was made on 24th April with Aeries Communication which is a leading IOT (Internet of Things) Solution provider. Our honorable, Vice chancellor, Dr.Sandeep Sanchetti signed a MOU with Aeries Communication. Dr.Rishi Mohan Bhatnagar -Country Head, Aeries Communication presided over the event. Under this MOU, Aeries will establish a Centre of Excellence to prepare the students for opportunities in IOT applications development

Followed by Aries, Dr.Sandeep Sanchetti -Vice chancellor, SRM IST signed a MOU with Ernst & Young, a leading Business consulting firm through which Ernst & Young is introducing a vertical specialization in International Taxation under MBA Program. The students studying this course will have a high chance of getting internship opportunities as well as final placements with EY.

A delegation led by Vice chancellor of SRM IST comprising, Directors - Career Centre and Corporate Relations, Dean-School of Mechanical and Professors from Automobile Department visited the MTA(Mahindra Technical Academy at Mahindra City recently and had a very fruitful discussion with MTA team led Dr.Shankar Venugopal - Sr.Vice President, Mahindra Research Valley and Dean, MTA. The areas covered include co-development of one credit course, Technical Talks, Course on innovation, Joint Certification Programs, establishment of Open labs, shared facility, long term internship Program, Joint R & D Projects and Faculty Industry Immersion Programs.

Apart from the above collaborations, a pathway in Zoho has been achieved by placing 24 Pre final year students (which is a record number across colleges) for internship which is linked to pre- placement offer based on performance during internship period.

Training in big data

STAFF WRITER

DELL EMC provides the International Certification training to students and faculty members. 40 hours (5 Days) training program was given by DELL EMC Authorized Master Trainers from ICT Academy in Oops Lab,Tech Park. This course provides practical foundation level training that enables immediate and effective participation in big data and other analytics projects. It includes an introduction to big data and the Data Analytics Lifecycle to address business challenges that leverage big data.

The course provides grounding in basic and advanced analytic methods and an introduction to big data analytics technology and tools, including MapReduce and Hadoop. Labs offer opportunities for students to understand how these methods and tools may be applied to real world business challenges by a practicing data scientist. This course is intended for individuals seeking to develop an understanding of Data Science from the perspective of a practicing Data Scientist, including: Managers of teams of business intelligence, analytics, and big data professionals.

Current Business and Data Analysts look to add big data analytics to their skills. Data and database professionals look to exploit their analytic skills in a big data environment.

Recent college graduates and graduate students with academic experience in a related discipline are looking to move into the world of Data Science and big data.

Individuals take advantage of the EMC Proven Professional Data Scientist Associate (EMCDSA) certification.

DELL EMC through ICT Academy, provided Book Materials, software and tools for the lab along with online learning, training & International certification to the students. 50 Students and 6 faculty members attended, and gained knowledge in Big data and got the international certification.

Welcoming Freshers to SRM Family...

SRMIST hosts an induction programme for the B.Tech. Batch of 2018

STAFF WRITER

SRM Institute of Science and Technology (SRMIST) organized an induction programme for the upcoming generation of engineers recently. Apart from the nascent students of the 2018 batch with their parents, the Chancellor of the institution, the Registrar and the board of Directors graced the function. The function started with the welcome address of Prof. N. Sethuraman, Registrar, SRMIST. He stressed on the importance of engineering in moulding careers of the students. Hon'ble Chancellor, SRM Group of Instituitions, Dr. T. R. Paarivendhar shared a part of his 50 years journey in the field of education and stated that apart from SRM playing a pivotal role on engineering programs in the country by bringing world class standards within the reach of the common student, also highlighted the state-of-the-art infrastructure, flexible curriculum, student abroad programmes, student research activities and many more education and career related options to be explored.

Prof. Sandeep Sancheti, Vice Chancellor, SRMIST, emphasized on the importance of hard work and perseverance. He also focused upon the importance of students communicating with their parents on a daily basis and highlighted on making the best of the opportunity of the rich world. Later, Dr. C. Muthamizhchelvan, Director (Engineering & Technology), SRMIST, introduced the Directors, Deans and Heads of various schools and departments of the university. Several parents shared their feedback regarding their choice on selecting SRM as their ward's destination for engineering. The programme reached a conclusion with the vote of thanks by Dr. D. Kingsly Jebasingh, Dean, School of Mechanical Engineering, SRMIST.

Make the best of opportunities

STAFF WRITER

Maintaining that the SRM Group had a lot to offer students by way of academic excellence, infrastructure and placement, the Registrar of SRM Institute of Science and Technology, Dr. N.Sethuraman advised incoming Freshers of the Faculty of Science and Humanities to stay focused with their objectives even as there was ample opportunities to showcase their talents. "Ours is a diverse campus which has many things to offer other than just books and examinations. But you must pay serious attention to your studies even as you explore other interests", he said in his Presidential address.

" At the start of this program you all witnessed a Bharatanatyam dance by two Journalism students. In ways more than one this was their welcome to all you freshers and parents to the Faculty of Science and Humanities. It also showcased the special talent of the two students which we carefully nurture here in this institution", the Registrar said.

In his welcome address the Director of the Faculty of Science and Humanities, Dr. R. Balasubramanian traced the development of the FSH since its inception in 2003 especially in the varied programs that are being offered in the social sciences and humanities. The Director made a special mention of the start of a Center for Performing Arts offering degrees in Music, Bharatanatyam and Fashion Designing. " We believe in imparting quality and holistic education aimed at making students have a better understanding of the needs of society which in turn makes them better citizens and leaders of India", he said.

The emphasis on quality education and continuous improvements in infrastructure and facilities by the Management was pointed out by the Director of Finance, Mr. M. Balasubramanian. " The Management does not hesitate to spend money on where the needs are. This is what the SRM Group is known for and this is what makes for a high class academic excellence" he said going on to make the point that every new Department or even Faculty is a well thought out process at every stage.

Starting off with an induction bharatanatyam dance by second year JMC students, Mr. Harini and Ms Abirami, the program was compered by Dr. Archana Arul, Head of the Dept. of Journalism and Mass Communication, with a walk through of the Faculty by Dr. Sridhar Krishnaswami, Deputy Dean and Professor of JMC and a vote of thanks proposed by Dr. S. Shanthichitra, Head of the Dept. of English.

10th Induction Day

STAFF WRITER

The inaugural of the 10th batch of B.Tech students of SRM Institute of Science and Technology, Vadapalani campus was held recently. The ceremony officially commenced with a prayer song and lighting of the ceremonial kuthu villaku. The gathering of students and parents was welcomed by Dr. K. Duraivelu, Dean. The honorable guests for the occasion were Prof Sandeep Sancheti, Vice Chancellor, Dr. N Sethuraman, Registrar, Dr. Chandra Kumar, Director Admin and Prof Vijeyendra Singh, Professor, IIT Mumbai was the Guest of Honour, Dr N Sethuraman, Registrar, in his special address assured the students of the equality between campuses and focused on the need for the students to make use of the ample opportunities provided by SRM. Sri Chandra Kumar IAS (Retd.), Director Admin in his felicitation stressed on the need for the students to inculcate passion for what they do to achieve success which may not necessarily be the branch originally selected. He explained this using the example of a short story. The Guest of Honour, Prof Vijayaendra Singh, IIT Mumbai, congratulated the students on their choice of SRM Vadapalani and commented on the importance of engineering education and the need to remain updated.

The Vice Chancellor Dr. Sandeep Sancheti in his inaugural address welcomed the students to the SRM family and highlighted the various recent achievements of the university to the gathering. He further reassured the parents on the ever incessant efforts of SRMIST to enhance the quality of teaching and learning processes for the benefit of the students. The occasion was attended by all heads of the department and faculty members of Vadapalani campus.

The function came to a conclusion by the vote of thanks proposed by Dr. C. Gomathy, head of the department of Electronics and Communications Engineering.

New courses @ SRMIST School of Public Health

Bachelor in Public Health (BPH)

STAFF WRITER

An undergraduate program being launched at SRM School of Public Health with unique syllabus catering to the needs of the Public Health cadre as defined in National Health Policy 2017. Bachelor in Public Health (BPH) curriculum includes elements of the life and biological sciences, social sciences and humanities to provide students with an understanding of public health from a broad spectrum of approaches. Students will build the knowledge and skills needed to excel in a wide array of public health professions.

Master of Health Data Science

"Interdisciplinary Approach - Biostatistics Meets Information Technology"

The M.Sc. in Health Data Science is the brain child of two units of SRMIST, namely, Biostatistics Division of School of Public Health and Department of Information Technology. This unique programme which is a combination of computing and statistical modules will develop skills in database management, programming, summarization, analysis and interpretation of big data. This interdisciplinary course is designed to train students of different disciplines to become tomorrow's leaders in this rapidly growing area. Organizations and companies currently recruiting data scientists include firms specializing in analytics, IT industries, and financial services and consulting as well as government agencies

Code Enigma V3.0

STAFF WRITER

SRM boosts innovation in 24-hours coding Events - CODE ENIGMA V3.0 - SWEA

The 24 hours Code Enigma Event V3.0 was held recently. Organized by the Department of Software Engineering Association (SWEA), SRM IST, Chennai. Code enigma was a successful three seasons coding and hackathon based competition which is a platform for budding hackathon enthusiast and ninja coders. Code Enigma is a National Level coding competition which raised in popularity from 100 participants to 500+ within these 3 sessions. The aim of this competition is to provide all the aspiring coders a platform where they will be asked questions based on real life scenarios to judge their coding and thinking capabilities. This event gives students an opportunity to experience two of the most popular code based competitive formats that are prevalent today.

Students of school of public health come up with a novel idea – a day for public health "SWASTH"

STAFF WRITER

SWASTH 'Public Health Day', under the theme "Networking and Sharing experience", was organized by the 1st year postgraduate students of SRM-School of Public Health. The one-day programme of presentations, discussions and interactive dialogue brought together SRM-SPH Alumni, students from other Schools of Public Health in Chennai, allied health students and Heads from other departments of SRM, SPH research staff and SPH faculties.

How was SWASTH born? India celebrates many International health days in union with those celebrated worldwide. To name a few are: Nurse's day, Mental health day, and Patient Safety day. Similarly, India observes National health programmes or wellness days such as National Deworming day, National Doctor's day and National Epilepsy day. It's time that we had a day dedicated to Public Health in India.

Hence, the students of The School of Public Health at SRM Institute of Science and Technology take pride in announcing this novel idea to come up with a "Day for Public Health". They felt the need for a day dedicated to public health professionals and their commendable contributions to different disciplines in the society. While Public Health Week is celebrated in the US in the first week of April every year, such a day has not been celebrated so far in India, and hence was born "SWASTH which will be celebrated on 26th August 2018, the birthday of Saint Mother Teresa. With an insight into Mother Teresa's unquantifiable immense contribution to health nationally and globally, the Public Health Day has been commemorated with her birthday remembering her extraordinary service to humanity at large.

The inaugural session was graced by the esteemed presence of Chief Guest, Dr. Prathap Tharyan, Director - Cochrane South Asia and Adjunct Professor, Clinical Epidemiology Unit, Christian Medical College, Vellore, and SRM dignitaries, Prof. Sethuraman, Registrar and Dr. N. Chandraprabha, Director-Medicine & Health Sciences. Two alumni Dr. Karikalan, Scientist B at the Department of Social & Behavioural Research, National Institute of Research in Tuberculosis, ICMR, Chennai and Dr. Sujatha Senior Medical Science Manager at UCB India Private Ltd shared their experience with the students.

The guests of honour unveiled SWASTH, followed by screening of promotional video of SWASTH and Mother Teresa. The forenoon and afternoon sessions had video presentations, quiz contest and alumni homecoming speech.

Faculty Development Programme on Microgrid and Grid Integration Issues of Distributed Generation

STAFF WRITER

The objectives of the event are to equip the participants with working knowledge of fundamentals, design tools, current research and critical issues in the development and deployment of micro grid and integration of renewable energy resources into the grid. This programme will also pave the way for integrating renewable energies satisfying the grid codes, enable customer participation, and energy storage support. This programme will provide the participants with recent advancements in the area of microgrid. Distributed power generation systems comprising of small generation and storage units are gaining popularity due to increasing energy demand. Some of the focus areas of the programme will be various control challenges such as coordinated control, voltage and transient stability of microgrid, protection issues, energy management and solution of interconnection issues of DG. In addition, the programme will include various laboratory sessions like Dspace for converter control, MPPT controllers, PV emulators, grid connected PV system and microgrid setup. The aim of the organizing team is to enlighten professional discussions on microgrid technologies bringing up all engineering disciplines to move towards microgrid world by providing educational platform and to assure research endurance to the participants.

The Digital Transformation

STAFF WRITER

NIIT is a leading Skills and Talent Development Corporation that is building a manpower pool for global industry requirements. The Seminar on Digital transportation helps in project based learning. Mrs. Mary Theresa Rani –Territory Delivery Head, NIIT Limited has 15 plus years of experience in IT product development, Education delivery and content development in various technologies like Java, .NET, Oracle, Internet of Things and Python. Also experienced in handling more then 50 plus corporate training batch. She has trained over 10000+ students. she is a domain expert in Java, J2EE, JSF spring hibernate and android development. Also certified Tech mentor on Digital transformation project in DEVOPS & BIG DATA. She explained about digital transformation with proper videos and PowerPoint presentation. Students involved in interaction with Mrs. Mary regarding the course . A whopping strength of 150 participants attended the session which included students, faculty and research scholars from the department.

SRM and Swachh Bharat

STAFF WRITER

SRM Institute of Science and Technology has been actively involving in the "Swachh Bharat Summer Internship 2018" launched by the HRD ministry of GOI across the county following the valuable guidance of the Prime Minister of India.

386 Students from Engineering, Medical and Paramedical faculties of SRM group of institutions have enrolled under the above internship Programme and selected their favourite Villages to undertake the Swachh Bharat activities. During summer vacation, the students of this group hailing from various parts of the country have selected the villages nearby their home town in their native districts and states and started working there.

As a part of this mission, few groups of SRM interns have undertaken the project in various villages under the valuable guidance of Mr. V. Thirumurugan, Associate Director (CL)/Nodal Officer Swachh Baharat Summer Internship.

The interns have created awareness among the Students and General Public about "Swachh Bharat India" mission by depicting murals about sanitation and eradication of Open defecation, dance Programmes, speeches and group discussions.

The SRM Institute has sponsored plant saplings to create awareness about tree plantations and constructed a common Toilet for the use of Students in the school premises of Orathur Village.

A valedictory function of the Internship Course of Nursing and School of Public Health Students was held at Nattarasanpattu Village. The best interns and the Students actively involved during internship Programme were appreciated with mementos.

An event conducted at Kayarambedu Village, Kattankulathur Block, as part of Swachh Bharat Summer Internship Program 2018 by the students of B.Tech Biotechnology, Dept. of Biotechnology, SRMIST, Kattankulathur for creating awareness in rural population about segregation of waste and cleanliness of our environment. Students worked on the following aspects:

1. Survey on solid waste management among rural population.
2. Awareness and training program on waste segregation (Biodegradable and non-biodegradable).
3. Distribution of dustbins to individual homes to make them practice waste segregation.
4. Training the rural people about the bio-composting methods using kitchen waste and agro-residues.
5. Video awareness program about solid waste management, open defecation and importance of hand washing among rural women and children.
6. Awarding of plant saplings as a token of encouragement towards their effort in management of waste in the village.
7. Special medical camps have been conducted to ensure healthy environment

Plans are underway for biogas installations at selected volunteer houses who have cattle where they can manage the solid waste generated with concomitant energy production. Many of the cattle wastes presently produced are being dumped in the open spaces which causes unsightliness and there might be possibility of health related issues.

Focussing Conference on Microelectronics, Embedded Systems and Communication

STAFF WRITER

The Department of Electronics and Communication Engineering, SRM Institute of Science and Technology conducted a National Conference on Microelectronics, Embedded Systems and Communication (NCMEC'18) recently. The aim of this conference was to bring researchers, practicing engineers, faculty members and students to a common platform to share their research work.

NCMEC-2018 paved the way to attain solution to various research problems by sharing technical knowledge to enhance the opportunities in the areas of focus. Many eminent researchers participated and enthusiastically interacted with the young students and budding researchers of SRM and other institutions who were the part of this conference.

Prof. Banshidhar Majhi, Director IIITM, Kanchipuram, the Chief Guest of the conference, delivered the inaugural address and released the conference proceedings. Dr. Ashok Chandra, Ex-Wireless advisor, Govt. of India, honoured the occasion as a special guest and delivered the keynote address. Dr. C. Muthamizhchelvan, Director (Engg. & Tech) delivered the presidential address. The HOD (ECE), convener, professors, researchers and students participated in the conference.

Technical lectures were delivered by various resource persons like Dr. Bala Pesala, Council of Scientific and Industrial Research (CSIR), Dr. Preetam Kumar, IIT Patna, Dr. R.K. Chaurasiya, NIT Raipur, Dr. Binsu J. Kailath, IIITDM, Kancheepuram, and Dr. S. Sreenath Kashyap, KPRIT, Hyderabad.

The invited lectures were followed by discussion/paper presentation sessions on communication and embedded and VLSI areas. Also, a post conference tutorial was organized on Machine Learning by Dr. Chaurasiya, NIT, Raipur. No doubt, the conference NCMEC-2018 had explored the research contributions in recent technologies to aid future development.

Dr. R.K. Chaurasiya, Professor, Natioanal Institute of Technology, Raipur is facilitated by Dr.T.Rama Rao HoD/ECE, Dr. P. Aruna Priya, Convener of the conference looks on.

Arduino Day 2018

STAFF WRITER

Arduino day is celebrated worldwide by the Arduino community every year in the month of May to raise awareness of the Arduino platform and the opportunities that it provides. Arduino's the world's leading open source hardware and software platform.

This year "Electronics Club" of Department of Electronics and Communication Engineering (ECE) conducted the Arduino Day. For the past three years Electronics Club of Dept. of ECE is conducting this event to expose our students to Arduino and to give them a chance to learn more about it. Arduino Day is a 2-day event, where Arduino fans can get together, share experiences, and learn more through demonstrations and hands-on learning. Participation is open to anyone, from young Makers and students to professional engineers and designers. Last year Arduino event saw a footfall of over 200 students. Present edition (Fourth year) of Arduino Day is revamped with new and exciting events such as Codules, Robosoccer, Mazerunner, etc. The total number of events is more than eighteen and runs for two days. We are also honoured to have the Vice-Chancellor Dr. Sandeep Sancheti with us to share his expertise with the talent pool present here.

Arduino's mission has been to make technology simple for everybody and to unleash people's creativity. There will be three official Arduino team events – Torino, Italy; Malmo, Sweden; and San Jose, California – where Arduino team members will be present. Presentations will be live-streamed across Arduino's social media channels allowing anyone to "tune in." This year, there are more than 600 events scheduled in nearly 80 countries.

> " **Arduino's mission has been to make technology simple for everybody and to unleash people's creativity** "

Dr.T.Rama Rao, HoD/ECE is having a word with Dr. Sandeep Sancheti, Honourable Vice Chancellor SRMIST in the Arduino Day inauguration. Mr. A.V.M. Manikandan, (extreme left) and Mr. Ashish Daniel Cherian, (extreme right), student coordinators are seen.