



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

SPECTRUM

The Newspaper of SRMIST

For private circulation only

Volume 15 Number 1



The Pro Chancellor (Administration) Mr. Ravi Pachamoothoo felicitating the Founder Chancellor on his Birthday (August - 24)



The Founder Chancellor along with Pro Chancellor (Academics) at the SRM Medical College and Research Center. Also seen in the Picture are the Vice Chancellor, Pro - Vice Chancellor (Medical) and Registrar

Independence Day at SRM

STAFF WRITER

The 75th Independence Day was held at SRM Institute of Science and Technology (SRMIST), Kattankulathur with social distancing. The event kick-started with the Vice Chancellor of SRMIST, Dr. C. Muthamizhchelvan hosting the National Flag and taking the NCC salute.

The welcome address was delivered by Director (Sports) Dr. K. Vaithianathan

In his address, Dr. C. Muthamizhchelvan said, "The NEP-2020 spells a long-term vision with a far-reaching impact. It will strengthen the culture of inclusive innovation and institution in the sphere of Education. Imparting education in the

mother tongue has been given emphasis in order to help young minds grow spontaneously. This will strengthen Indian languages as well as the unity of the country."

He also emphasized that SRM had produced over 1,00,000 future-ready graduates thereby contributing to the nation's economy. He lauded the service of the frontline workers at SRM Medical College Hospital and Research Centre, Kattankulathur. "Our doctors and their teams have treated a little over 3000 COVID cases putting their service before self." "We are proud that SRM also plays a huge role in sports and games of the nation. Some of our students have been part of the major participants and contributions are as follows: Ms. Nethra

Kumaran, 3rd year B.Tech student represented and participated in this year's Olympics in Sailing; Ms. Gayathri, 2nd Year, MBA is now in the Indian camp for Asia Cup for Basketball; SRM Chess Men and Women Team is participating in the Asian Championship and is representing AIU; 19 players of our institution are representing AIU and participating in the world university games; Malvika, 2nd Year, B. Tech is No.2 in India in Badminton. She has won 4 gold medals in International competitions; Srinath, 1st year, B.Sc. is participating in Junior Asia Volleyball team championship and the list goes on."

The program concluded with a cultural performances and sports for those present.



Hoisting the Tricolor

The Future of India is Very Bright...VC

Excerpts from prepared remarks

... It is no small feat that our country has traversed more than seven decades down the Independent line, something that our forefathers and leaders fought to get and struggled to keep alive the flame of democracy in a turbulent international system fraught with wars and threats to internal and external security. Getting Independence and being Independent of outside powers are something every individual yearns for in his life; at the same time it is even more critical that we safeguard what we have fought for and won and not to be squandered away on an impulse.

... On this momentous

occasion, I am reminded what our First Prime Minister Jawaharlal Nehru said 75 years ago in marking India's Independence. "Long years ago we made a tryst with destiny, and now comes when we shall redeem our pledge, not wholly or in full measure, but very substantially. At the stroke of midnight hour, when the world sleeps, India will awake to life and freedom. A moment comes, which comes but rarely in history, when we step out from the old to the new, when an age ends, and when the soul of a nation, long-suppressed, finds utterance".

... 1972 And fifty years later that is in 1997 our then Prime Minister emphasized on the Gujral doctrine that stressed on the importance of maintaining

a friendly relationship with neighboring countries. And our now Prime Minister emphasizes on digital India, vote for local, NEP and many other policies in place.

... The NEP-2020 spells a long term vision with far-reaching impact. It will strengthen the culture of inclusion innovation and institution in the sphere of Education. Imparting education in the mother tongue has been given emphasis in order to help young minds grow spontaneously. This will strengthen Indian languages as well as unity of the country.

... At SRM we produce 100,000 career ready and future ready graduates thereby contributing to the nation's economy. Provide Scholarships to 1000 wards of Defense personnel, Add on 15000 trees every year under the scheme "One Student One Tree: campaign. Covaxin phase/human trial centre and incubated 20 Covid Combat Projects, Noble Quest, a unique initiative to host Nobel laureates in our campus, hosting 63 nationalities, 200 cr Research infrastructure and the list is endless.

... Take SRM Group of educational institutions founded by Dr. Paari Vendhar as an example: from the humble



The Vice Chancellor arriving for the occasion

beginnings of a tutorial college and a school, the Group today boasts of institutions that are simply unmatched nationally in the spread of courses that are available. If the Founder Chancellor had merely kept the attention on proliferating institutions, the Group would have many more under its umbrella today. But from Day One the Chancellor's mission was to have an accent on quality with a view to bringing out a wholesome student who also contributed to the betterment of society. A student centric SRM has many accolades to its credit and I will mention only one: in 2011 with the help of ISRO SRM students launched a mini satellite into space to study weather patterns; it was supposed to last for about five years. Today it is in orbit for more than 10 years; still sending data and we are still tracking it from our University Building!!

... When India won freedom many predicted that our experiment with democracy will not last long. They saw our ancient traditions and rich diversity as hurdles in democratization of our country. But today we stay tall and proud and we are now witnesses of the diamond jubilee of our Independence.

... The future of India is indeed very bright for all of us provided we have confidence in our capabilities and in the conviction that we will get up and redouble our efforts even if we stumble at the start. A nation is built by people who dream Big and have Passion and Drive. My dear SRMites, this is the place to chase your dreams and with passion, not just to lift yourselves professionally but keep flying the Flag of India high in the world. ... JAI HIND

“ But from Day One the Chancellor's mission was to have an accent on quality with a view to bringing out a wholesome student who also contributed to the betterment of society ”



Founder Chancellor of SRM Group of Institutions Dr. T. R. Paarivendhar addressing the gathering on the occasion of his birthday at SRM Medical College Hospital and Research Centre, Kattankulathur.

SRM Hospital opens three Centres of Excellence on Founder's Day

STAFF WRITER

SRM Medical College Hospital and Research Centre (SRM MCH&RC), Kattankulathur today launched its new layout for their website. This was done on the occasion of its Founder's Day. The event held at the hospital premises was presided over by SRM Group of Institution's Founder Chancellor Dr. T. R. Paarivendhar, MP. Apart from launching the website, three Centre of Excellence were inaugurated by SRMIST's Pro Chancellor (Academics) Dr. P. Sathyanarayanan.

The three centres of excellence are: Division of Cleft lift Palate and Crania Facial Anomalies in the Department of Plastic & Reconstructive Surgery. This is partnered with 'SMILE TRAIN', an US based charity organization for the treatment of Cleft lift palate defects in children free of cost; the Department of E&T has started a new division of Neurotology and Vestibular Laboratory. This is jointly operated by ENT, Neurology, Audiology, Vestibular Therapy, and Physical medicine Rehabilitation.

Dealing with patient vertigo and complex, head ache. The third Centre of Excellence is Clinical trial research unit. SRM hospital was selected by ICMR for the conduct of COVAXIN Clinical trial. It is the only hospital in Tamil Nadu to have achieved this distinction. All three phases of the trial were conducted here and the new centre has been constructed and that was inaugurated today.

Present for the occasion were members of the Buddhists Tzu Chi foundation, Tzu Chi University, SRMIST's Vice Chancellor Dr. C. Muthamizhchelvan, Pro VC (Medical & Health Sciences) Lt. Col. Dr. A. Ravi Kumar, Registrar Dr. S. Ponnusamy, Dean (Medical) Dr. A Sundaram and Medical Superintendent Dr. K. Thangaraj. Speaking on the occasion, Dr. T. R. Paarivendhar said, "This institution should excel among all others in India. Our aim should be providing maximum free service for patients. This hospital has made a big change under the leadership of its Pro Chancellor (Academics) Dr. P. Sathyanarayanan. Under me it was only a medical college, now it has grown to become a

" This institution should excel among all others in India. Our aim should be providing maximum free service for patients. "

state-of-the-art hospital." "This is an important milestone in the history of SRM Medical College Hospital and Research Centre. SRM has always been known for imparting education and all that is related to it," said Dr. P. Sathyanarayanan. He urged doctors to take up more research so that they can treat patients better. "Our motto should be 'Corporate level of healthcare for poor patients'. All patients will be treated with due respect and be guided with whatever doubts they have." Praising the good relationship between Tzu Chi University and SRM he said, "This is only the beginning of a good relationship between SRM and Taiwan University. We would like to reciprocate it in some other way." SRM MCH&RC is a tertiary care

teaching hospital attached to SRM Institute of Science and Technology (SRMIST). The hospital has been existing since 2005. In 2011, Post graduate courses in all specialties in Medicare were started. At present the hospital has bed strength of 1590 in various specialties it is located in the University campus and meet all the regulations of National Accreditation Board for hospitals & Healthcare Providers. With the compliment of 351 doctors including specialties, 574 nurses and in the paramedical administrative staffs. There are 45 departments in broad and super specialties. On an average 1500 – 1600 patients attend in the OP.

This hospital was in the fore front of the fight against COVID

19 pandemic during this period 3111 patients were treated since April 2020 to till date. About 13,165 OP patients were screened during this period. The hospital has specialties to conducts through telemedicine centre. Although this is the largest hospital located in the national highway NH 45 in the outskirt of Chennai it is located well inside the Institute's premises.

During the 2nd wave of COVID 19 patient in the hospital was fully sketched and shortage of oxygen made matters worse. At that time, a large consignment of 162 oxygen concentrators was donated by Tzu Chi University and the charity foundation from Taiwan. The next lot of 5 ventilators are being delivered shortly (total cost 1.75 crore). This great deed of compassion and donation that we received is being recorded publically by SRMIST Chancellor who offered his thanks to Tzu Chi University for their generosity. The global donations by Tzu Chi University was webcast to the audience during the programme.

SRM School student creates Kalam World Record

STAFF WRITER

SRM Public School in Guduvanchery is proud to announce that one of its students has created Kalam World Record.

Student M. Senthamilan of Grade 7, has solved 100 square numbers in the least time - 1 minute and 56 seconds of 100 Math Squares. This achievement is registered in Kalam's World Records.

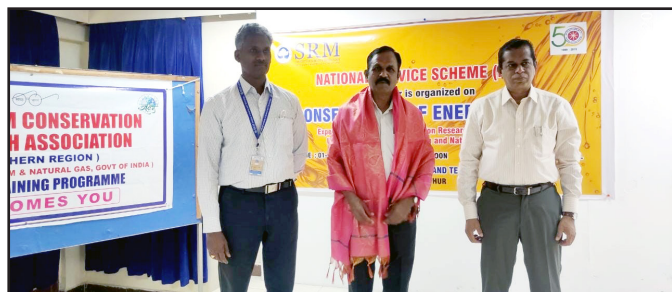
Hailing from Chengalpattu, this young genius has created this new record by solving the maximum number of Math squares in the least time and set a new World Record on 26 July 2021.

Senthamilan had a keen interest in Math since he was



eight. His mother identified this interest and has been monitoring and helping him in his quests to learn. Apart from Math, Senthamilan loves to play chess and his parents have been trying to send him on tournaments.

Conservation of energy Fuel



STAFF WRITER

Conservation of energy in terms of fuel is need of the hour. Every drop of fuel is matters. One day oil will be costlier than gold; so start conserving today.

NSS and RRC Unit, SRM Institute of Science and Technology organised an awareness seminar on Conservation of energy. The program started at 10.30 am with the presence of enthusiastic audience from faculty, students, drivers from SRM transport and staff. The program was followed by an eminent speaker Shri. Devaprasad, senior consultant from petroleum conservation research association, Ministry of petroleum, Government of

India, who shared his insights on the aspects of conserving energy in terms of fuel usage in two wheeler as well as four wheeler, which was followed by an active interaction between both the speaker and the audience. The program was organized with the support and motivation by the Vice Chancellor Dr. C. Muthamizhchelvan, the Registrar Dr. S. Ponnusamy, SRMIST along with the felicitation by Dr. D. Antony Ashok kumar, Deputy registrar and the thanksgiving note by Dr. T. Rajasekaran, NSS Program Coordinator, SRM Institute of Science and Technology, Approximately 120 participants including students and faculties from SRM have taken active participation in this program.

SRM signs MoU with MSME for IP cooperation

STAFF WRITER

SRM Institute of Science and Technology (SRMIST), Kattankulathur has signed a Memorandum of Understanding (MoU) in the field of Intellectual Property Cooperation and Commercialisation with the MSME - Technology Development Centre (PPDC), Govt of India, Ministry of MSME, and Intellectual Property Facilitation Centre EC - Chennai.

The MoU aims at increasing IP co-operation and commercialisation between the two institutions by way of: Sensitization on IPR among the MSME and public majorly in 4 districts - Chennai, Chengalpattu, Kancheepuram and Tiruvallur; Facilitating the service for IPR Filing for MSMEs, SRMIST Faculty members, students and outside researchers; Facilitating Startup Mentorship; Conduction of Workshops/ Seminars; Organizing Conclave/ Conference; Facilitating New Product Commercialization; Supporting Projects (Technical & Social Impacts); Offering and facilitating Internships.



“ The MoU aims at increasing IP co-operation and commercialisation between the two institutions by way of: Sensitization on IPR among the MSME and public majorly in 4 districts ”

Speaking at the event, Vice Chancellor of SRMIST, Dr. C. Muthamizhchelvan said, “There are five things that we as a multi-disciplinary university follow - innovation, Intellectual Property Rights, Standardization, entrepreneurship, and Hi-tech startup. The expertise of MSME

will support SRMIST in all these fields in a very a big way.”

Registrar of SRMIST Dr. S. Ponnusamy and Principal Director of MSME - Technology Development Centre, Intellectual Property Facilitation Centre, India, Dr. R. Panneerselvam signed the MoU virtually.

Rotary International honours SRM Vice Chancellor

STAFF WRITER

Vice Chancellor of SRM Institute of Science and Technology, Kattankulathur Dr. C. Muthamizhchelvan was honored with the prestigious “Vocational Excellence Award” recently.

He was honored at the installation program of Rotary

International - RI District 3232 new President held in Maraimalai Nagar, Chengalpattu District.

The award was presented by Kalaimamani Rtn. S.V.R.M. Ramanathan RI - 3230 PDG Governor, Madras Central, (2003 - 2004) for his tireless service in the field of Education, with special mention of his conscientious dedication,

high standing excellence, and contribution.

Present for the occasion was Rtn. K.Pandian DG, RI -3231, Rtn. K. Palani, DGN, RI- 3231 and Rtn. S. Bharanidharan DGE RI -3231 Rotary Club of Vellore, Rtn. P A Elango, PP RI - 3231 and Rtn. Allimuthu RI - 3231 President, Rotary club of Maraimalai.



The Rotary International -RI District 3232 Kalaimamani Rtn.S.V.R.M.Ramanathan RI-3230 PDG Governor, Madras Central, (2003-2004) presented the prestigious “VOCATIONAL EXCELLENCE AWARD” to Dr.C.Muthamizhchelvan Vice Chancellor, SRM Institute of Science and Technology, Chennai in the presence of Rtn.K.Pandian DG, RI-3231, Rtn.K.Palani, DGN, RI-3231, Rtn.S.Bharanidharan DGE RI-3231 Rotary club of Vellore, Rtn.P A Elango, PP RI-3231 and Rtn.Alli Muthu RI-3231 President, Rotary club of Maraimalai Nagar held in Maraimalai Nagar, Chengalpattu District.

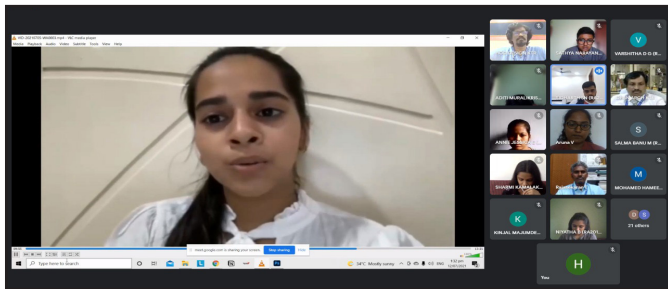
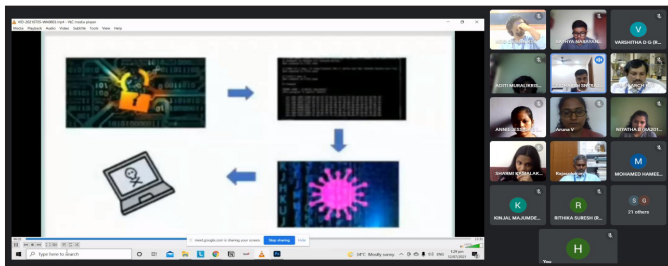
Coping With Mental and Physical Health During Lockdown

STAFF WRITER

National Service Scheme (NSS) SRM Institute of Science and Technology, organised an event by the students of the design department. The event aimed to create awareness amongst students about the consequences of the quarantine on different aspects of life. Held online, through the Google Meet Platform, The event saw

in attendance of nearly 100 including, staff, faculty and students. The event started to deal with Cyber Security, a mock crime show, A Dime Per Crime, where two victims of cyber crime and a cyber crime officer and a therapist were the guests. The victims talked about how they'd fallen prey to hackers online because of the hobbies they'd developed over the quarantine. And the

crime officer explained how she'd helped solve the case with her team and the way Phishing works. The therapist gave us valuable insight on how to deal with cyber bullies and anxiety in general. Then a skit on the importance of Nutrition, with a girl who's been eating unhealthy throughout the pandemic and eventually gets down with the virus. They organised a debate on how the lockdown had affected mental health, with one side speaking about how it had improved online relationships and had thus affected mental health positively, and the other speaking against it. Both sides came up with strong and highly relevant points. Dr. P. Satheesh Kumar, Dean, SAID SRMIST, KTR was the chief guest and head of the design department, Prof Saravanna Raja was briefing the event with welcoming the gathering by NSS program Co-ordinator Dr. T. Rajasekaran and thanking note by Prof. Aruna V, NSS program officer.



Video assisted anal treatment for Fistula-in-ano: Novel treatment for the first time in SRM Hospital!

STAFF WRITER

Fistula-in-ano, or perianal fistula is plagued with recurrences, necessitating multiple hospital admissions for patients suffering from unrelenting pain and discharge from the perianal region. The usual treatment is an open fistulectomy or fistulotomy procedures, with the wound laid open in the perianal region, which takes time to heal, thereby delaying normal life for the patient. Further, there is the risk of these procedures causing damage to faecal continence. With these in mind, the surgeon at the

SRM Medical College Hospital and Research Centre (SRM MCH&RC) in Kattankulathur have attempted to do a Video Assisted Anal Fistula Treatment (VAAFT) for our patients. This novel technique, developed in 2006, is gaining popularity all around the world. Our first patient was a 25-year-old male who came to the OPD with complaints of perianal discharge. Appropriate investigations were done which confirmed diagnosis of Fistula-in-Ano. He was successfully treated with VAAFT, and was discharged the next day as he had minimal post-operative pain, there was

no open wound, and there were no major complaints. When reviewed a week later, his wound had healed healthy and there were continence issues. He was able to return to normal routine promptly. "We have so far done five cases of VAAFT with a high-level of patient satisfaction," said Pro Vice Chancellor of Medical and Health Sciences Lt Col Dr. A. Ravikumar. "We have been able to visualize the entire fistulous tract through a fistuloscope, which is then coagulated with electrocautery, scraped and washed with glycine. The external opening is excised and the wound is closed with absorbable sutures. This ensures patients have only minimal post-operative pain." With the VAAFT delivering such encouraging results, the surgeons at SRM Hospital are trying to employ caudal anesthesia and also post-operative analgesic blocks, which may allow the patients to be discharged on the same day of the surgery (day case surgery), making the process even more comfortable for them.



Basic Trauma Management : Simulation on Simman

HUDA ZAINAB NISHAT

Our team of students of I MBBS presented Basic trauma management, using SIMMAN, in the SRM Stratus Centre for Medical Simulation. Managing a trauma patient can be very hectic. Everything needs to be done on an urgent basis, since life is on the line and one wrong action, one delayed action, and the person can die. It is very essential to maintain a clear mind. I believe the credit goes to each one my teammates for trusting me as a team-leader and carrying out assessment and initiating treatment without any delay. For analysing the patient, we performed Primary

Survey, based on the ABCDE - A-Airway, B- breathing, C- circulation, D- disability and E-exposure.

It is a great experience for us to learn that how to deal with a trauma patient using the SIMMAN and what are the procedures must be followed.

The scenario has taught us the basics needed in managing an emergency patient. So that in the future, if any situation occurs in an emergency, we as the Trauma team will definitely step forward to save the patients' life. Yes, we aren't professionals yet, but we will and can definitely try our best to help and save anyone in such a situation.

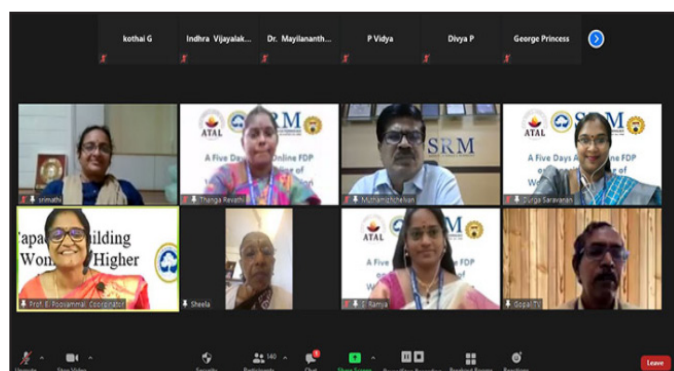
BASIC TRAUMA MANAGEMENT DEMONSTRATION



I MBBS Students WHO Performed Basic Trauma Management On Simman



Basic Trauma Management : ABCDE Demonstration by Students, Using Simman



Meeting on Capacity Building of Women in Higher Education

ATAL Sponsored FDP On Capacity Building Of Women In Higher Education

RAMAY RAJ SINGH

The AICTE ATAL Faculty development program on Capacity Building of Women in Higher Education was held online from 12th to 16th of July 2021, for the second time consecutively, by the Internal Complaints Committee and Internal Quality Assurance Cell of SRMIST. The event focused on strategies for women to attain leadership positions and was organised by Prof. E. Poovammal, with the assistance of Prof. H. Srimathi, Dr Thanga Revathi and Dr S. Ramya.

The inaugural session was kicked off by Ms Santha Sheela Nair, the chief guest. She discussed about societal inclusion, which entails that the women of rural genesis be provided with digital literacy. Further, Prof. C. Muthamizhchelvan, Vice-Chancellor, SRMIST, delivered the presidential address. He

addressed the fact that while there is a steady increase of participation by women in higher education and the workforce, there is still a dearth of women in first-level positions.

The event covered an impressively wide array of topics, relating to the holistic development of female academics. The discussions regarding these topics were lively, and conveyed articulately through case studies, projects, and surveys. Participants from a myriad of backgrounds and institutions attended the program.

The five-day event ended on the 16th of July 2021, with the valedictory ceremony where Dr. Bharathi Harishankar, Head of Department of Women studies, University of Madras enchanted the audience with her spirited address. The event was informative and inspiring to all who attended it.

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 sridhark@srmist.edu.in
- Coverage of a certain event or receipt of an article does not guarantee publication.

-Editor

Furthering Innovation with Open-Source

PRIYANKA SRINIVAS

GitHub is the most recognised open-source community and has become every developer's tool of convenience. SRMIST, aiming to spearhead the open-source revolution in the university, is officially a GitHub Campus Partner School. SRM has extended support by creating a student-led team working towards unifying all projects under the SRM banner with Dr. P. Supraja, an Assistant Professor from the School of Computing, acting as the faculty convener for this team.

Students can now list SRMIST as their official organization and get industry-level exposure via the university name. They are also eligible to apply for a special externship program by GitHub which teaches problem-solving by collaborating on open-source projects. Moreover, every department in the university now has its own Enterprise Cloud Server with exclusive access to new, student-friendly features.

This initiative will not only allow the students get onboard with their projects under the



Find SRM on GitHub at SRM-IST-KTR

SRMIST KTR GitHub Enterprise but at the same time help the faculties in managing and maintaining student projects.

As a new organization, GitHub SRM is encouraging students to apply with new project ideas. With so many GitHub benefits, the open-source community in SRM has a firm root with the potential to grow more than ever.

Novak Djokovic and the Elusive Golden Slam

SHRUTI R

World number one, Novak Djokovic, recently conceded defeat to Germany's Alexander Zverev in the tennis singles semi-finals at the Tokyo Olympics. While the Serbian player was in the lead after the first set with 1-6, Zverev bested him with a 6-3, and a 6-1 score in the remaining sets. Unfortunately for Djokovic, this loss put an end to his greatest goal this year achieving a Golden Slam.

A Golden Slam entails winning all four major tournaments—the Australian Open, French Open, Wimbledon, and U.S. Open— as well as the Olympics, in the same year. The only player in tennis history to have achieved this feat is Steffi Graf, who secured gold at the 1988 Seoul Olympics and won all four majors the same year, at the mere age of 19. Djokovic, however, came very close to making history this time. With three wins already down, all he needed was an Olympic gold and the U.S. Open title to accomplish his Golden Slam goal. Speaking of this devastating loss, Djokovic said "I feel terrible right now in every sense, but tomorrow hopefully is a fresh start, and I can recover and at least win one medal for my country." He also lauded Zverev for his performance.

“ Djokovic is still in the run to make history; if he wins the U.S. Open title in September, he will surpass all-time greats Roger Federer and Rafael Nadal and go on to hold a record-breaking 21 Grand Slam titles to his name.,,”



Novak Djokovic was distressed when his bid was slammed down

The year hasn't been all bad for Novak Djokovic. Notably, he secured his 20th Grand Slam title by defeating Stefanos Tsitsipas at the French Open earlier this year. Djokovic is still in the run to make history;

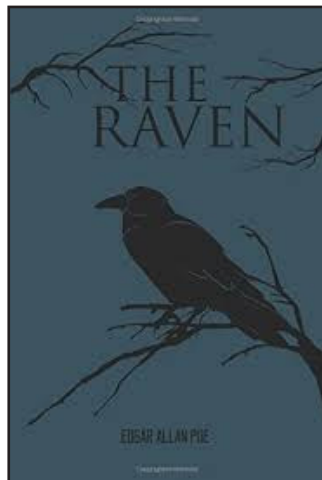
if he wins the U.S. Open title in September, he will surpass all-time greats Roger Federer and Rafael Nadal and go on to hold a record-breaking 21 Grand Slam titles to his name.

A Rhetorical Analysis of “The Raven” by Edgar Allan Poe

SHASHANK IYENGAR

“The Raven” by Edgar Poe is a ballad of eighteen six-line stanzas. Throughout, the poet uses trochaic octameter, a very distinctive metrical form. The poem has been written from a first person’s view and centers around the theme of death and the afterlife, which is the oeuvre of Poe’s many other works.

In the first five stanzas, the narrator is shown to be lonely in his home, pondering over ancient folklore at midnight to cease some unknown sorrow that is laid in his heart, when a tap on the door startles him. Consoling himself, he said, “Tis some visitor,” In the next stanza, we come to know about “Lenore,” a character who is the source of his unknown sorrow; with the rustling of the silkened curtains, the narrator’s



Quoth the Raven
“Nevermore.”

heart began beating quite fast. Pushing through his hesitation, he opened the door only to find himself amidst the unbroken eerie silence of the night. The narrator whispered the name “Lenore,” wanting us to understand that Lenore will never return. Nevertheless, the

narrator expects her visit.

Upon snapping out of his shock, the narrator returns to the chamber only to question his sanity of mentioning the name. He first encounters his fear of reality. The sudden thrusting of windows is followed by a grand raven flying into his chamber, symbolizing his encounter with his sorrow through the window of realization. The bird kept uttering “Nevermore.” Startled at the inimical reply, the narrator called it a tempter, a form of Satan coming from the underworld to torment him. Despite all his efforts to ask the bird if he would ever unite with Lenore, the only reply that came was “Nevermore.” The ending is quite dramatic where the narrator is defeated by facing his feelings in the form of the Raven, thereby would nevermore find peace.

Billionaires in Space: The Dawn of the Space Era?

M KAVIN RAMNATH

Once upon a time, putting man in the sky was a fairy tale. Now, humanity is aiming to reach the ends of the universe itself. Factors like the exorbitant cost of space travel and the need for extensive hardware had put the space tourism industry on hold for a long

time. However, the dream of space exploration is slowly moving towards becoming a reality, albeit confined to a niche group.

On the 11th of July, billionaire Sir Richard Branson successfully reached the edge of space on Unity, a Virgin Galactic rocket plane 17 years in the making.

He claimed the trip to be the “experience of a lifetime”. Shortly after, on the 20th of July, billionaire Jeff Bezos made a short journey to space in the first crewed flight of his rocket ship, New Shepard. He was accompanied by Mark Bezos, his brother, Wally Funk, an 82-year-old space pioneer, and Oliver Daemen, an 18-year-old student. After the 10-minute, 10-second flight, Jeff Bezos exclaimed: “best day ever!”. In 2004, Elon Musk said that he believed space tourism to be the biggest driver in the future of humans in space. Today, his company SpaceX is not the only major capitalist power continuously working towards that goal.

Sadly, space travel is not without its drawbacks. Scientists worry that a growing number of rocket flights and the rise of space tourism could harm the Earth’s atmosphere and contribute to climate change. However, we cannot reach the stars if we are afraid to take our feet off the ground. The future of humanity is up there in the endless sky, somewhere among the stars.

“space travel is not without its drawbacks. Scientists worry that a growing number of rocket flights and the rise of space tourism could harm the Earth’s atmosphere and contribute to climate change.”



Billionaires are making a beeline for space

SRM Founder Chancellor applauds Neeraj Chopra

STAFF WRITER

The country erupted in joy at the historic win of Neeraj Chopra on winning the gold medal in the men’s javelin throw event at the Tokyo Olympics 2020 and the social media is flooded with celebratory messages.

Founder Chancellor of SRM Group of Institution and Member of Parliament (Lok Sabha), Perambalur Constituency, Dr. T. R. Paarivendhar applauded the Olympic Gold Medalist and said, “Neeraj Chopra has brought in great honour for our nation. We are proud of his achievement of becoming India’s first track-and-field Olympic medalist with his gold, which was India’s first since shooter Abhinav Bindra came out tops in the 2008 Beijing Games.”

The philanthropist and educationist also wished all



the other silver and bronze medalists for giving their best performance at the recently concluded Tokyo Olympics.

The 23-year-old athlete from Panipat is the first athlete from Independent India to win a medal in a track and field event. He came up with a best attempt of 87.58m to become the first-ever Indian to win an Olympic gold in athletics.





'Today is a moment of hope' - IOC President Thomas Bach at the opening ceremony.

Tokyo Olympics 2020: Towards Hope and Humanity

PRIYANKA R

The long wait for the Olympics had been over this summer, and the event came to an uplifting end. Despite several countries pulling out on account of the pandemic, Tokyo 2020 had forged ahead. Thomas Bach, President of the International Olympic Committee (IOC), had admitted that the event would differ from the previous ones considering the COVID-19 guidelines.

Tokyo Games 2020 illustrated support and acceptance for the athletes battling mental health issues. In the same spirit, Simone Biles and Naomi Osaka dropped out of the event to focus on their mental health. Athletes' psychological welfare was acknowledged as key to performance since empty stadiums could have deterred motivation in some sports, particularly for athletes from the host nation.

A sport needs an international federation that caters to the Olympic charter to be part

of the Olympics. Strangely, skateboarding - quintessentially a counter-cultural activity, was embraced by the Olympics. That is one sliver of the activities that unfolded in the Tokyo Games, cherished as resistance against mainstream culture.

The participation of female athletes like Mandy Bujold, Allyson Felix, and Helen Glover especially caught public eyes. These women broke the social norms of resting after pregnancy and even broke records. Extensive research has proven that participating in elite sports postpartum is not only safe but is also an aid to common pregnancy ailments. Hence, pregnancy no longer marks the end of a career in elite sports.

The pandemic has helped many athletes improve remarkably. The athletic performances in Tokyo 2020 might not have ended the pandemic, but they expressed a glimmer of hope in these dark times, memorialising the resilience of the human spirit!

India's Olympians

DIKSHA AVIRAL

When it comes to pushing limits, showcasing grit, and discovering the best of the best in the world of athletics and sports, the Olympics are the ultimate test. The Olympics took place in Tokyo from the 23rd of July to the 8th of August. Even in the shadow of a pandemic, the Olympics have given India much to celebrate. This year, India surpassed itself by bagging seven medals, achieving its highest ever medal tally.

The first medal, a silver, was brought home by Mirabai Chanu in the 40kgs weightlifting category. Next was the boxer, Lovlina Borgohain, who won a bronze in the 69kg welterweight category. The badminton superstar, P.V Sindhu, won the third medal, bagging a bronze in the women's singles. The fourth overall medal was won by the wrestler Ravi Kumar Dahiya in the 57kg freestyle. The men's hockey team made us proud by bringing home a bronze and becoming India's first hockey team in 41 years to win a medal in the Olympics. Another bronze was brought home by Bajrang Punia in men's freestyle wrestling. India's run in the Olympics ended with a bang when the javelin thrower Neeraj Chopra brought in a gold medal with a stupendous 87.58m throw.

With this historic victory, Neeraj Chopra became the second Indian to win an individual gold in the Olympics and the



Neeraj Chopra became the first ever to win a gold medal in athletics

“ Even in the shadow of a pandemic, the Olympics have given India much to celebrate. This year, India surpassed itself by bagging seven medals, achieving its highest ever medal tally ”

first Indian to win a gold in athletics. This fantastic win brought India up to 48 in the world ranking. Times like

these are what inspire us to strive towards greatness, and it is indeed a proud moment for our nation!

Towards a Covid-free Environment

NAVEEN PARTHASARATHY

Amidst the third wave scare, SRM Institute of Science and Technology has once again taken the podium to set an example regarding the significance of Covid vaccination through the vaccination drive organized by SRM Institute of Hotel Management on 29th of July, 2021.

The management successfully administered 225 hoteliers, thus providing assistance and proper guidance to the Hotel Management students and the

staff at this time of chaos. It was duly coordinated efficiently by the South India Hotels and Restaurants Association in collaboration with District Administration, Chengalpattu. The vaccination drive was congruously inspected and verified by officials for smooth functioning. Further, the individuals who received the vaccination were strictly instructed to adhere to the Covid regulations. The medical staff took proper steps to undertake all preventive measures, and the individuals receiving the

vaccination followed the same. Further vaccinations drives are anticipated in the future, considering the event's success. SRM Institute of Science and Technology is paving the way for complete immunization from Covid through these vaccination drives.

Ensuring maximum safety and prevention could be a wake-up call for all other institutions to start such vaccination drives to ensure the entire population within the city gets vaccinated and normalizes and breaks the myths surrounding vaccination.



A volunteer receiving her covid vaccination at SRM Institute of Hotel Management, organized by South India Hotels and Restaurants Association in collaboration with District Administration, Chengalpattu.

Perplexing Laws from Around the World

KRITIKA MALHOTRA

The art of justice has withstood the ravages of time as the foundation of civilisation. Most laws are drawn from experiences that people have gone through. With time, however, some of these have become redundant and bizarre!

Some of the most peculiar laws are animal laws. For example, it is illegal to give alcohol to a moose in Alaska! In 2007, a moose paraded down the street after having a chug from the brewery's holiday season supply. After getting its antlers tangled in Christmas lights and stumbling past Alaskans, it stirred up quite the laugh and inspired a new law!. "Why did the chicken cross the road?" The people of Quitman, Georgia, would answer that it could not have crossed the road! The law here mandates owners to have their chickens under control at all times. Humans aren't exempt from these outlandish laws



No alcohol for the Alaskan Moose

either. In our country, until recently, a pre-requisite for becoming an assistant motor vehicle inspector in the Andhra Pradesh Transport subordinate service was to be free of tooth decay! Odd laws are not just for animals and humans - absurd food laws exist too! Have you ever carried ice cream in your back pocket? Horse thieves did, back when most people travelled on horseback. They would use it to lure horses

away without being charged for stealing! A law in three states of the USA - Alabama, Georgia and Kentucky - now prohibits anyone from walking down a street with an ice cream cone in their back pocket.

No matter how strange these laws may appear, they reflect a country's experiences and attempts to tackle the challenges they face, irrespective of their wild or perplexing nature!

Intergalactic travel in a lifetime, a facade.....?

RAMAY RAJ SINGH

Born too late to explore the world, born too early to explore the universe. This statement might not seem ponderous at first, but if one were to dive a little deeper, they would encounter a meaning, one unreservedly different. You see, for most of "time", we have been nothing but gazing into the vastly empty yet thronged universe. We never had the opportunity to dekho it, but since the inception of modern astrology techniques and advancements in technologies, we have been able to gaze at this magnificent surrounding of ours. But this gazing gave us a startling revelation that we are far, far away from each other. So far, in fact, that even the fastest entity, which is light, will need billions of years to transverse it. This discovery put us in a very precarious situation. Will we ever reach them, the stars, or are they lost forever to us? Now, as is our natural tendency to push our limits, many from the race started to research the topic of how we, humans, could trek such



An artistic model of the constantly accelerating ship (Cool Worlds)

humongous distances. But we lacked both a possible scientific theory and the technology to achieve for all this time.

Recently though, a new motion has been pushed forward, which seemingly makes the journey look not just possible across generations, but in a human's lifetime. Say you want to go to the edge of the Milky Way, then according to the theory, that if we could fabricate a ship that could constantly, throughout its journey, accelerate at 1g, then the crew would be able to complete the round trip in just

41 years, although a hundred millennia would have passed back on earth.

This theory seems possible because it's based on proven physics. A constant acceleration of 1g would ensure normalcy for the crew by creating artificial gravity. The view may be sound, but it has its limitations, like how are we going to design a material which could thole such magnanimous amounts of radiation in space or how will we be able to provide the fuel for its manoeuvres. I'll leave you to ruminate.

Activities at SRM University Delhi - NCR, SONEPAT

Webinar on Strategic Program IDEA on the 19th BIG (Biotech Ignition Grant) Call

STAFF WRITER

On August 13, 2021, the Departments of Biomedical Engineering, Biotechnology, and Microbiology hosted a webinar on an awareness session as part of a strategic program IDEA on the 19th BIG (Biotech Ignition Grant) call. Mr. Sudhanshu Shekhar of the BSC BioNEST Bio-Incubator was the session's Guest Speaker. BBB is supported by BIRAC through the BioNEST (Bioincubators Nurturing Entrepreneurship for Scaling Technologies) scheme and is managed and operated by the Regional Centre for Biotechnology (RCB) which is recognized by the Indian Parliament as a national institute

of national importance and is a UNESCO Category II centre. Intending to support Indian biomedical/Biotech innovation and entrepreneurship, this lecture intended to assist startups in nurturing their creative ideas and develop globally competitive products or technologies. BIG is BIRAC's flagship program supports young entrepreneurs and businesses. Through the BIG Scheme, BIRAC offers a grant-in-aid of up to INR 50 lakhs for 18 months. The university is applying for the BIG grant 2021 through the BSC BioNEST Bio-Incubator at the Regional Centre for Biotechnology as a result of this webinar.

Meeting with Merck Life Science

STAFF WRITER

The Departments of Biomedical Engineering, Biotechnology, and Microbiology hosted a meeting with Merck Life Science India on August 10, 2021. Dr. Paramita Sen was the session's guest speaker. Merck Life Science has been a pioneer in the field of Life Sciences Research, manufacturing and distributing chemicals, biochemicals, and

specialized kits. In recent years, Merck has developed Skill Development Programs in partnership with CSIR India and as a result, we've explored state-of-the-art methodologies and Merck facilities to our students/ research scholars to facilitate the process. It was also decided that a Memorandum of Understanding to collaborate will be signed.

Over 1200 students participate in the Freshers' Induction program of CSH

STAFF WRITER

The Freshers' Induction 2021-22 program for the College of Science and Humanities at SRM Institute of Science and Technology, Kattankulathur was held virtually today. Over 1200 students participated in this event. The chief guest of the event Dr. N. K. Senthamarai Kannan, Inspector General of Police, Tamil Nadu & Commissioner of Police, Tirunelveli addressed the gathering. He said the Institute needs to take adequate precaution when classes start physically such as masking, washing, social distancing, and vaccination. Emphasizing on the need to become job creators, he urged the incoming students to focus on developing skills and have a multidisciplinary approach so that they become entrepreneurs. He pointed out that pandemic has changed the outlook of job opportunities. "Students should pursue studies depending on the need of the demand. It is important to opt for skilled certification." He also advised students to distance themselves from all sort of bad habits and give importance to health, sports, and hobbies. Founder Chancellor of SRMIST, Dr. T. R. Paarivendhar said, "SRMIST is not a college but an University by itself. It has over 80% of students from other states and countries and students will have the opportunity to mix with a wide diversity of people. Learning other culture aids in molding oneself. This will give you an opportunity to bring



Dignitaries at the Virtual Induction

out your talent and uniqueness." Pro Chancellor (Academics) of SRMIST, Dr. P. Sathyanarayanan said, "The assets of SRMIST are not its roads and building but its students and faculties. The need of the hour is interdisciplinary education and SRMIST is the right platform of it. We are moving towards interdisciplinary society and this mode of education will aid towards it." He pointed out that the learning methodology in SRMIST is active, where students are put through problems to understand what they study and learn. In his inaugural address, Vice Chancellor of SRMIST, Dr. C. Muthamizchelvan explained to students the history of the university, its growth, programs offered in different schools, campuses, sports and its facilities and so on. Urging students to focus their attention on perusing research he said, "SRMIST is different from



The Chief Guest

other Higher Education System. Our special focus is research, towards which the Institution has been contributing massively." Registrar of SRMIST, Dr. S. Ponnusamy said, "The transition from school to college is different. It is important to focus on studies for the next few years. SRMIST has lots of facilities and students should make use of what is available." He also requested parents to keep in touch with their wards' professors and mentors to be aware of their activities in the campus.

PV Sindhu: from Rio to Tokyo

NANDITA
BHYRAVBHATLA

From the bustling city of Hyderabad to the world-renowned chaos of the Olympic badminton court, Pusarla Venkata Sindhu has proven herself as a force to be reckoned with. PV Sindhu put tears of joy in the eyes of her countrymen in the 2016 Rio Olympics by securing a silver medal in women's singles badminton. She returned to the Olympic stage for a shot at gold in the 2020 Tokyo Olympics. After dominating in straight games, she stormed into the semifinals where she ultimately was defeated by Taiwan's Tai Tzu Ying- and left the arena with a bronze medal for India.

The time between the Rio and Tokyo Olympics seemed like a millennia for the whole world. With the onset of the pandemic, various natural disasters, human rights issues and much more- how did PV Sindhu cope with the chaos, and what changes did she make on her way to Tokyo? The biggest transformation in the young athlete's life was the decision to train under South Korean coach Park Tae Sang after former coach, Pullela Gopichand, withdrew his involvement in her training.



PV Sindhu proudly holding her second Olympic medal

She claimed the decision was of mutual benefit as Coach Gopichand had a large workload to manage and couldn't focus on her exclusively- which is what she needed.

Sindhu also commented on how a break from matches during the lockdowns came as a blessing. She explained that the pandemic gave her time to focus on her technique and fitness which she would not have been able to do if she was travelling and competing.

It goes without saying that PV Sindhu is an inspiration to all Indians and young athletes. The steps she took to improve her game was not in vain as she stood on that podium with a medal in her hand for her country once again.

Find a way to keep yourself happy.... Lt.Gen.Arun at SRMIST leadership program

STAFF WRITER

'Conundrums and The Power of Straight Lines', a Leadership program for Deans and Directors of SRM Institute of Science and Technology (SRMIST) was held at the Institute's premises. Lt Gen A. Arun YSM SM VSM, General Officer Commanding, HQ, Dakshin Bharat Area did an interactive session on how

to be efficient leaders. Vice Chancellor of SRMIST, Dr. C. Muthamizchelvan welcomed the guest and said this session will be an eye-opener. About 46 Deans and Directors participated in this event, which took place with social distancing. Speaking at the event, Lt Gen A. Arun said, "We don't need one more engineer but our focus should be on creating entrepreneurs. Believe

in yourself, believe in people, and most importantly have an impeccable belief and faith in your superior."

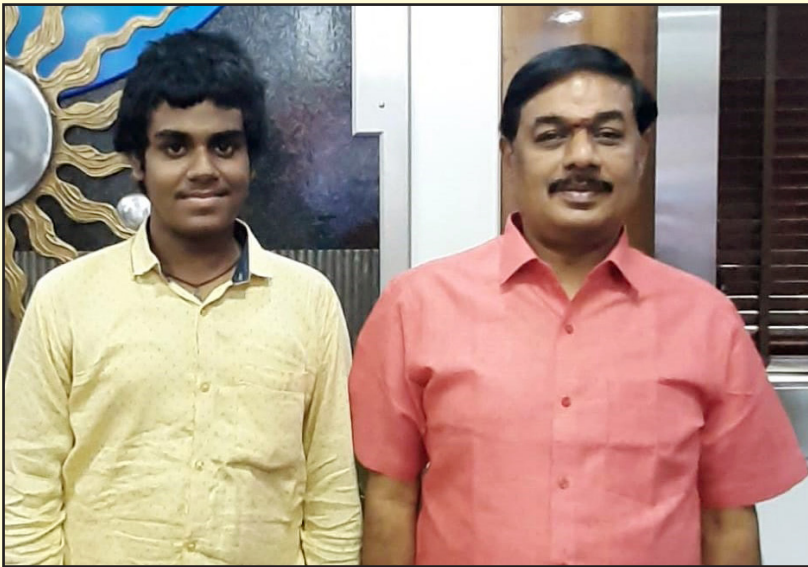
He added that DNA is wired with Drive and passion, Desire to lead, Integrity, and Intelligence. He emphasized that as leaders one must have a vision, build teams, motivate, mentor, develop people, and allocate

tasks. To make leadership easy he suggested, "First create a vision, set goals (reasonable ones), focus on others dreams, share the excitement, involve everyone, communication (thinking, listening, speaking and nonverbal), motivation, share stories and practice compassion." He then listed out the four most common traits of leadership: Supporting others, Seeking new

perspective, Outcome driven: results, and solving problems. "Changes in an organization and icebergs are similar. It involves 10% organizational rule system and 90% of emotions, culture, and people." Concluding his presentation, Lt. Gen A. Arun said, "The most supreme lesson that leaders should follow is to find a way to keep yourself happy. Because your challenge is to be architects of the future... not defenders of the decline. It is important for leaders such as yourselves to create leaders." Registrar Dr. S. Ponnusamy presented the vote of thanks and assured the guest speaker Lt. Gen. A. Arun that all the Deans and Directors present would put to use these suggestions so that they help grow together.



CONGRATULATIONS!



The Pro Chancellor (Administration) International Chess Player Grand Master G.B.Harshavardhan of 1st year B.Com SRMIST who won the Gold in FIDE online rapid World Cup U-18 Championship, organised by FIDE and hosted by Georgian Chess Federation, Georgia.



Mr.Srinath

Ist year B.Sc., Physical Education

SRMIST is happy to announce that Mr.Srinath. 1st Year B.Sc. Physical Education has been selected to represent India in the world junior under 19 Volleyball championship

SRM Team wins Chengalpattu District Volleyball Championship

STAFF WRITER

The volleyball men and women' team of SRM Institute of Science and Technology (SRMIST), Kattankulathur won the SRM Trophy for men and Jones Foundations Trophy for women respectively. The event was organized by Chengalpattu District Volleyball Association (Affiliated to Tamilnadu State Volleyball Association) was held at SRMIST.

About 51 teams, both men and women, participated in the three day event. Dr. R. Dhinakaran, IPS, Inspector General of Police inaugurated the championship. Present for the inauguration was Registrar of SRMIST Dr. S. Ponnusamy, Chairman of SNJ Group of Companies S. N. Jeymurugan, Life president of TNSVA R. Arjun Durai, Director (Sports) SRMIST Dr. K Vaithianathan, General Secretary

TNSVA A. J. Martin Sudhakar.

Speaking at the inaugural Dr. R. Dhinakaran said, "Each player should give their best and achieve. It does not matter if you win or lose, but participation."

At a nail biting finish SRM Spikers won over D.B.Jain to claim the SRM Trophy for men. In the women' finals Dr. Paarivendhar bet SRMIST to win the Jones Foundations Trophy for women.

Mr. Sai Prakash Leo Muthu, Chairman of Sairam Institutions presented the trophy to the men' team. Vice Chancellor of SRMIST Dr. C. Muthamizhchelvan presented the women's team winner with their trophy.

In his speech, Dr. C. Muthamizhchelvan said, "More than the games, the comradeship between different teams is important. This can be seen in this game."



SRMIST won 51st All India YSCA Cricket Men tournament 2021

1ST LEAGUE MATCH

SRM IST 228/7 in 30 overs (Ram arvinth 114*, Mokit hariharan 45) beat Little hearts cricket academy 146/8 in 30 overs (Kriba nithyanand 53*, Ajith ram 3/22, Trilok nag 3/5)

2ND LEAGUE MATCH

Freyer International 178/9 in 30 overs (Suman Jain 30, Subramania Siva 42, Trilok Nag 3/37) lost to SRM IST 179/5 in 27.2 overs (Praveen Kumar 44, U. Mukilesh 66, Mokit Hariharan 29).

3RD LEAGUE MATCH

Indian bank 131 all out in 30 overs (Trilok nag 3/24) lost to SRM IST 132/4 in 16 overs (Praveen kumar 33 , Mukilesh 32)

SEMI FINALS

Gurunanak 143 for 6 in 30 Overs

Lost to

SRMIST 145 for 4 in 24.4 Overs. (Mohit Hariharan 56* ,Krish Jain 26*)

FINALS AT MA CHIDAMARAM STADIUM :

Freyer International 171/4 in 20 overs (Karthikeyan 27, Subramania Siva 97 n.o.) lost to SRM IST 172/7 in 19 overs (Vignesh Iyer 73 n.o., Trilok Nag 31, Anthony Dhas 3/19).

FINAL STANDING

Winner : SRM IST

Runner : Freyer International

AWARDS:

Best bat sman: (Freyer) Subramania Siva

Best bowler: Trilok Nag (SRM).

Man-of-the-final: Vignesh Iyer (SRM).



Dr T.R.Paarivendhar, SRMIST Founder Chancellor, Prof. C. Muthamizhchelvan, Vice Chancellor, Prof. S. Ponnusamy, Registrar, Dr K Vaithianathan Director Sports and SRMSIT Cricket Men Team with 51st All India YSCA Trophy.