

April 2017 Contents

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“From the President’s Desk...”**Mrs. Kala Vijayakumar**

The first quarter of the year 2017 has brought with it national and international recognition to SSN and its students. This quarter has been filled with varied achievements in the field of rankings, innovations, student ranks, wins in competitions, sports etc.

SSN has been recognized for its efforts in excellence in education in the India Rankings 2017 released by the Ministry of Human Resources & Development, Govt under the National Institutional Ranking Framework. It is a source of great pride to all of us that we have been ranked 5th among all private engineering colleges in the country. We have also been ranked 27th among all engineering colleges and 80th among all educational institutions. These rankings are the reflection of the hard work and efforts put in by the faculty, staff, students and the alumni of the institute.

It is of great pride to us that SSN was chosen as one of the 26 nodal centres in India for conducting the Smart India Hackathon 2017, the world’s largest Hackathon.

Coming to the student activities, this quarter has witnessed a wide range of events and achievements by our students. Our student teams have won first and third prizes in their respective categories in the Smart India Hackathon 2017. Smart India Hackathon is the world’s largest open innovation platform and five teams from SSN have finished in the top eight. Also

two teams from SSN have qualified for the final round of Valeo International Innovation Challenge. These are the only two teams from India to qualify for this prestigious event. Students from Biomedical department have won the national level innovation competition organized by NRDC for their invention. I congratulate the students for their good work.

This quarter we organized our national level cultural fest Instincts 2017, which saw over 25000 footfalls; Sycon, a talk series by entrepreneurs; Creative Writing and Best Speaker Contests, an opportunity to show case communication skills; activities of Tamil Saral Mandram, Sports and games. These activities are in sync with our philosophy of 360 degree development of our students.

Several of our departments have conducted national and international conferences. Our faculty and students have published many papers in journals of repute.

We also conducted the Sports Day, SSN Open 2K17 and SSN Championship 2017.

My best wishes to all the students who will be appearing for the University examinations in this quarter and am sure our students will do well.

“From the Principal’s Desk...”**Dr. S. Salivahanan**

In this quarter JFM, 2017, I am very happy that the institute has witnessed ample activities in all fronts. We have conducted five International Conferences as given below:

- The Department of ECE organized an IEEE International Conference on Wireless Communications, Signal processing and Networking (WiSPNET2017), 22-24 March 2017.
- The Department of IT organized an IEEE International Conference on Computer, Communication, and Signal Processing (ICCCSP) on 10 Jan 2017.
- The Department of EEE organized an International Conference on “Power and Embedded Drive Control (ICPEDC 2017)” on 16-18 Mar 2017.
- The Department of Chemical Engineering organized the 2nd International Conference on Recent Advancements in Chemical, Environmental & Energy Engineering (RACEEE.2017) on 23 Feb 2017.
- The Department of BME organized an IEEE Sponsored International Conference on Bio signals, images and instrumentation (ICBSII 2017) on 16 -18 Mar 2017.

In addition, all the departments have conducted national level conferences and workshops. All these events have been well attended and received excellent feedback from participants.

The Department of CSE was one of the centres for conducting the Indian National Olympiad in Informatics (INOI 2017) online test on 8 Jan 2017. The Department of Civil Engineering organized a national conference on “Disaster Mitigation, Responsiveness and Management” sponsored by IEEE Madras section on 3 Feb 2017.

SSN Good Citizenship Forum (GCF), organized a Teachers’ Conclave on “Pursuing excellence in teaching” on 7 Jan 2017. SSN IEEE Student Branch organized a two-day workshop on “Arduino Programming” on 10 & 11 Feb 2017; a workshop

on “LATEX” on 11 Feb 2017; and a hands-on workshop on “Android Programming” on 25 Feb 2017. IEEE SSN Student Branch received the “Appreciation for the Student Branch with the Grade A Recognition.”

Dr. S. Joseph Gladwin, Asso. Prof/ECE and Dr. T. Sree Sharmila, Asso. Prof/IT organized a three-day YRC Village Camp at Siruthavur Govt. Middle School, Kancheepuram District on 26-28 Jan 2017. NSS unit and YRC Unit of our college jointly organized a “Blood donation camp” on 28 Feb 2017. Students and faculty donated 245 units of blood.

SSN organized the DST-INSPIRE Faculty Award Monitoring cum Interaction meeting sponsored by DST. The 18th Annual Sport Day was celebrated with Mr. K. Sankar, Former FIFA World Cup Referee, as the Chief Guest.

I congratulate R. Abirami, N. Megala and S. Thamizhamuthan on obtaining the First prize with a cash award of Rs. 50000/- in the National Contest for Demonstrating Innovative Prototypes for Start-Ups organized by NRDC, NSIR, Ministry of Science and Technology, Govt for their project, “Mass Screening Device for Osteoarthritis”.

I congratulate Dr. R. Seyezhai, Asso. Prof/EEE and S. Harika received the Golden Glow Award-2016 for their paper titled, “Analysis of Modulation strategies for two-stage interleaved voltage source inverter employed for PV applications”.

We are happy that SSN has been ranked 5th among all private engineering colleges in the country by MHRD under NIRF (National Institutional Ranking Framework). Other NIRF rankings for SSN include 27th among engineering colleges and 80th among all educational institutions. This level of national recognition for SSN is a matter of great pride for all of us.

Another national level recognition for SSN is that it was chosen as one of the 26 nodal centres in India for conducting the Smart India Hackathon 2017, the world’s largest Hackathon.

RESEARCH PUBLICATIONS IN JOURNALS

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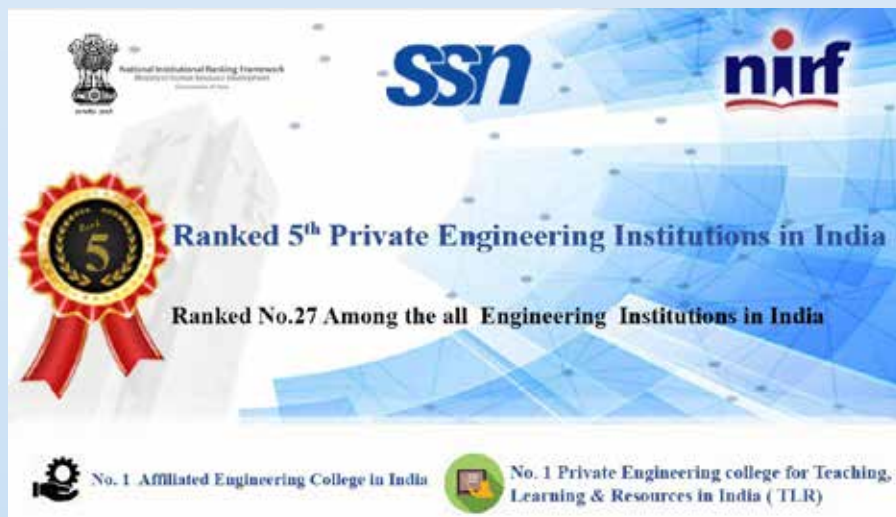
National Institutional Ranking Framework, MHRD, GoI SSN Ranks in 2017

Overview

The National Institutional Ranking Framework (NIRF) was approved by the MHRD and launched by Honourable Minister of Human Resource Development on 29th September 2015.

This framework outlines a methodology to rank institutions across the country. The methodology draws from the overall recommendations and broad understanding arrived at by a Core Committee set up by MHRD, to identify the broad parameters for ranking various universities and institutions. The parameters broadly cover “Teaching, Learning and Resources,” “Research and Professional Practices,” “Graduation Outcomes,” “Outreach and Inclusivity,” and “Perception”.

It is a matter of pride for SSN that we have been ranked 27 in Engineering category and 80 in overall category in the recent NIRF 2017 ranking. SSN has also secured 16th place in teaching learning. It ranks 5th among the private engineering colleges in the country.





SMART INDIA HACKATHON '17

1st and 2nd April 2017



Ministry of
Earth Sciences

SSN College of Engineering hosted the grand finale of the Smart India Hackathon 2017, India's first massive scale hackathon initiative, held on April 1 & 2, 2017. Hon'ble Minister of Human Resource Development, Shri. Prakash Javadekar inaugurated this initiative and Dr. Anil Sahasrabudhe, Chairman, AICTE addressed the gathering, simultaneously across 26 centres in the country. Prime Minister Shri. Narendra Modi interacted with all the participants via video conference during the Hackathon at 10pm on 1st April.

The Smart India Hackathon is a part of Shri. Narendra Modi's Digital India initiative and was launched on November 9, 2016. For this initiative, 29 different Government Ministries and Departments came together to pose 598 problem statements to 30 lakh technical students from across India. Over 10,000 technical students have now been selected to compete in the finale of the Smart India Hackathon with the aim of creating implementable and sustainable solutions to the problem statements identified earlier. SSN has been selected by the Ministry of HRD/AICTE as one of the 26 nodal centres to create solutions for problems related to Earth Sciences.

The 10000+ technical students across the country worked for 36 hours non-stop to build tools that the nation will benefit from. Several teams from SSN participated across centres in India. Smart India Hackathon is the world's largest Hackathon and will be recorded in the Guinness Book of Records. The digital solutions that will be created, will improve the functioning and governance of different Government Departments. It harnesses creativity and expertise of students, builds a funnel for 'Startup India, Standup India' campaign, crowd sources solutions for

improving governance and quality of life, and provides an opportunity to citizens to create innovative solutions to India's daunting problems.

The Grand finale at SSN witnessed participation from 58 teams from across India comprising 360 students and over 120 industry mentors. Hon'ble Thiru K.P Anbalagan, Hon'ble Minister for Higher Education, Govt. of Tamil Nadu, was the Special guest during the Inaugural Function at SSN. Hon'ble Justice Dr. Anita Sumanth, Madras was the Chief Guest. Thiru Lakshmi Narayanan, Vice Chairman, Cognizant was the Guest of Honour Thiru R. Srinivasan, Chairman SSN College of Engineering presided over the function. Mrs. Kala Vijayakumar, President, SSN Institutions graced the occasion with her presence.

SSN College of Engineering bagged the following awards:

The team lead by J Aditya of the Computer Science Department and mentored by Chaaran S and Aravind Muthuram, SSN alumni, won the first prize under the category of Ministry of Skill Development held at Chandigarh. The team received a cash prize of Rs. 1,00,000 and a chance to be considered for starting up their own enterprise under the AICTE start up scheme and mentored by ministry officials of skill development.

The team led by Muthu Annamalai of the Computer Science Department mentored by Sathish Palaniappan, an SSN alumnus, won the third prize under the category of Ministry of Postal Services at Jaipur. They were awarded a cash prize of Rs. 50,000 and a chance to be considered for starting up their own enterprise under the AICTE start up scheme and mentored by ministry officials of postal department.



Prof. Salivahanan, Mrs. Kala Vijayakumar, Thiru K.P Anbalagan, Dr. Anita Sumanth Thiru Lakshmi Narayanan and R. Srinivasan

Sports Day



Hackathon



Sycon



SSN Championship



ssn open



ஆய்வின் அருமையும் ஆய்வாளரின் பெருமையும்

வள்ளுவப் பெருந்தகை அன்று தன் அதிசயமிகு குறள்களில் ஒட்டுமொத்த மனித வாழ்க்கையையே அறம் பொருள் இன்பம் என்ற மூன்று வார்த்தைக்குள் முடித்தான். ஆனால் இன்றோ இம்மூன்றும் அறிவியல் என்ற ஒற்றை சொல்லில் அடைக்கலமாகி ஆர்ப்பரிக்கின்றன. இன்றைய உலகமயமாக்கல், தாராளமயமாக்கல் போன்ற சூழலில் ஒரு நாட்டின் வளர்ச்சி என்பது அந்நாட்டில் கடைபிடிக்கப்படும் அரசியல் முறைகள் சார்ந்ததோ அல்லது மதம், இனம் சார்ந்ததோ இல்லை என்பதை வளர்ந்த மற்றும் வளர்கின்ற நாடுகளின் பட்டியலை சற்று உற்றுநோக்கினாலே நன்கு புரியும். எடுத்துக்காட்டாக, ஜனநாயக கொள்கை கொண்ட பல நாடுகளை எடுத்துக்கொண்டால் அந்நாடுகளுக்கிடையேயான வளர்ச்சி என்பது மலைக்கும் மடுவிற்கும் உள்ள வித்தியாசமாகக்கூட உள்ளது. அதேபோல் தான் பொதுவுடைமை (கம்யூனிசம்) ஆட்சி அல்லது வேறு ஆட்சிமுறை நடைமுறையில் உள்ள அந்நாடுகளுக்கிடையேயான வளர்ச்சியும் வேறுபடுகின்றது. அதற்கு அடுத்தபடியாக மதம் சார்ந்து ஒரு நாட்டின் வளர்ச்சி இருக்கின்றதா என்றால் அதுவும் இல்லை. உதாரணத்திற்கு கிறிஸ்துவ, இஸ்லாமிய, பௌத்த மதம் சார்ந்த பல நாடுகளை பார்த்தோமானால் அந்நாடுகளுக்கு இடையேயான வளர்ச்சியில் காணப்படும் ஏற்றத்தாழ்வுகள், ஒரு நாட்டின் வளர்ச்சி மதம் அல்லது இனம் சார்ந்து இல்லை என்பது நிரூபணமாகின்றது. அதேசமயம் ஒரு நாட்டின் வளர்ச்சியானது அந்நாட்டில் உருவாகும் விஞ்ஞானிகள், விஞ்ஞான கண்டுபிடிப்புகள் மற்றும் அக்கண்டுபிடிப்புகளை மக்கள் பயன்படுத்தும் நிலை ஆகியவற்றை சார்ந்தே உள்ளது என்பதை இன்றைய உலக நாடுகளின் வளர்ச்சி குறித்து சிறிது உற்றுநோக்கினாலே புரியும். அமெரிக்கா, ஜப்பான், ஜெர்மனி போன்ற நாடுகளே இதற்கு சிறந்த உதாரணங்களாகும். ஆகவே உலக அளவில் இந்தியா ஒரு வளர்ந்த நாடாக, அறிவுசார் வல்லரசாக திகழ நம் இளைய சமுதாயம் பல அறிவியல் கண்டுபிடிப்புகளில் தங்களது எல்லையில்லா பேராற்றலை பயன்படுத்தி தான் வளரவும் தன் நாடு வளரவும் பெருமிதத்துடன் முன்வர வேண்டும்.

பள்ளிப்படிப்பை முடித்தவுடன் உயர்கல்விக்காக கல்லூரியை தேர்ந்தெடுக்கும் மாணவர்களும் அவர்களுக்கு வழிகாட்டும் பெற்றோர்களும் மற்றும் ஆசிரியர்களும் வேலைவாய்ப்பை உருவாக்கித்தரும் கல்லூரிகளை தேடும் நிலை மாற வேண்டும். மாறாக இளநிலை பொறியியலோ அல்லது அறிவியலோ படிக்கும் பொழுதே சிறந்த பேராசிரியர்களை கொண்டு மாணவர்களை ஆராய்ச்சிகளில் ஈடுபடுத்தி, இளம்வயதிலேயே தரம்வாய்ந்த சர்வதேச நாளிதழ்களில் ஆய்வை வெளியிட்டு திறனை வளர்க்கும், SSN போன்ற பொறியியல் கல்லூரிகளைத் தேடி தேர்ந்தெடுக்கும் நிலை உருவாக வேண்டும். அது போன்ற ஆராய்ச்சி சூழ்நிலையை அனைத்து கல்லூரிகளும் உருவாக்க முயற்சிக்க வேண்டும். பொதுவாக ஆராய்ச்சியை இரண்டு நிலைகளாக கருதுவர். முதல்நிலையானது ஆரம்பநிலை ஆராய்ச்சி, ஆய்வு செய்பவர்கள் சிறு உதவி தொகையை பெற்று உணவு உட்பட அடிப்படை தேவைகளை பூர்த்தி செய்துகொண்டு ஆய்வு மேற்கொள்கின்றனர். இது போன்ற ஆய்வையே SSN போன்ற ஒரு சில கல்லூரிகள் மற்றும் பல்கலைக்கழகங்களில் செய்கின்றனர். இரண்டாம் நிலையானது உயர்நிலை ஆராய்ச்சி, அதாவது பெருங்கண்டுபிடிப்புகள் கண்டுபிடித்து அதன் மூலம் கிடைக்கும் பெரும் தொகையை கொண்டு

மேலும் பல ஆராய்ச்சியாளர்களுக்கு உதவி செய்து பல ஆய்வாளர்களை உருவாக்குவது மற்றும் அதன் மூலமாக நாட்டின் வளர்ச்சிக்கு உதவுவது. இன்று முதல்நிலை ஆய்வில் ஈடுபடும் SSN கல்லூரி மாணவர்கள் போன்றோர்களே, எதிர்காலத்தில் உயர்நிலை ஆய்வாளர்களாக அதாவது புதிய கண்டுபிடிப்புகள் மூலம் நாட்டின் வளர்ச்சியில் பங்கெடுக்கும் பிதாமகங்களாக மாற வேண்டும் என்பதே நம் அவா.

இந்த சமுதாயமானது எந்த துறையானாலும் கடின உழைப்பாலும் விடாமுயற்சியாலும் சாதனை படைப்போரை கவுரவித்துக்கொண்டே தான் இருக்கின்றது. கலைத்துறையையோ அல்லது விளையாட்டுத் துறையையோ சார்ந்த ஒருவர் கவுரவிக்கப்படுகிறார் என்றால் அவர் மட்டுமே மற்றவர்கள் அனைவரும் வேடிக்கைபார்ப்பவர்களாக மட்டுமே இருக்கின்றனர். ஆனால் அரிய கண்டுபிடிப்புகளை கண்டுபிடித்த ஒரு விஞ்ஞானி கவுரவிக்கப்படுகிறார் என்றால் அவர் கண்டுபிடித்த கண்டுபிடிப்பின் மூலம் இம்மானிட சமூகமே பயனடைகிறது. உதாரணத்திற்கு ராண்ட்ஜென் X கதிரைக் கண்டறிந்தார். அதற்காக அவர் இயற்பியலுக்கான முதல் நோபல்பரிசையும் பெற்றார். ஆனால் மானிட சமூகமோ மருத்துவத்துறை உட்பட பலத்துறைகளில் இன்று X கதிர் பயன்பாட்டை தினம் தினம் அனுபவித்துக்கொண்டு இருக்கின்றது. ஆகவே ஆய்வாளரின் பெருமையை அவரின் ஆய்வின் மூலமே இச்சமூகம் உணர்கின்றது. ஆகையால் இன்றைய இளைஞர்கள் பணத்தை பற்றி மட்டுமே சிந்தித்து கொண்டு அயல்நாட்டு நிறுவனங்களில் அடிமை போல் மன இறுக்கத்தோடு மகிழ்ச்சி இல்லா பணிக்கு ஆசைப்படுவதை விட முடிவில்லா ஆராய்ச்சி பணிக்கு தங்களை அர்ப்பணித்துக்கொள்ள ஆர்வம் காட்டி சரித்திரத்தின் சில பக்கங்களை தங்களுக்கு சொந்தமாக்கிக் கொள்ள வேண்டும். எவ்வளவு தான் சாதித்தாலும் விளையாட்டு போன்ற துறைகளில் இருந்து நிச்சயம் ஒரு குறிப்பிட்ட வயதுக்குள் ஓய்வு பெற்றே ஆக வேண்டும். ஆனால் ஆராய்ச்சி செய்பவர்களுக்கு வயது வரம்பே கிடையாது. இவர்கள் உயிர் உள்ளவரை நேசித்து மனமகிழ்ச்சியோடு செய்யக்கூடிய ஒரு புனிதமான பணி ஆராய்ச்சிப் பணி. இளம்வயதில் மாணவர்கள் அல்லலப்படும் மனப்பாடம், மதிப்பெண் போன்ற எந்த குறைகளுடன் கூடிய வரைமுறையும் இல்லாமல் சுதந்திரமாக நமக்கு பிடித்ததை செய்யக்கூடிய ஒரு அரிய பணியாக ஆராய்ச்சி மாறிவருவதை இளைய சமுதாயம் உணர வேண்டும்.

மேலும் முனைவர் பட்டத்திற்கான ஆராய்ச்சி காலங்களில் ஆய்வு நெறியாளர் மற்றும் மாணவர்களுக்கு இடையேயான ஒரு அலாதிமான பரஸ்பர கருத்து(அறிவு) பரிமாற்றம் உருவாக்கி கொண்டு சிறந்த விஞ்ஞானிகளாக உருவெடுக்க வேண்டும். சமூகத்திற்கு சேவை செய்ய நினைப்பவர்கள் ஆராய்ச்சி பணியை தங்கள் சேவைக்கான களமாக தேர்ந்தெடுத்து வெற்றிபெறலாம். பொதுவாக ஆராய்ச்சி மாணவர்களை மூன்று வகையாகப் பிரிப்பதுண்டு. முதல் வகை, ஏறக்குறைய 90% ஆராய்ச்சி மாணவர்கள் தானுண்டு, தன் ஆய்வுப்பணி உண்டு என்று தன்னுடைய முனைவர் பட்டத்தை முடித்துக்கொண்டு சென்றுவிடுவார்கள். இரண்டாவது வகை, 5 முதல் 6 சதவிகித ஆராய்ச்சி மாணவர்கள் தன்னுடைய வழிகாட்டியுடன் பிரச்சனை, ஆய்வுக் கூடத்தில் பிரச்சனை என்று ஒட்டுமொத்தமாக பிறர் மீது குறை கூறிக்கொண்டு எதிர்மறை எண்ணத்துடன் ஆய்வு பணியை முடித்தோ முடிக்காமலோ சென்று விடுவர். மூன்றாம்

SYCon 2017

வகை, அசாதாரண திறமை கொண்டவர்கள், கிட்டத்தட்ட 2 சதவிகித ஆராய்ச்சி மாணவர்கள் இந்தவகையை சேர்ந்தவர்களாக இருப்பர். இவர்கள் ஆராய்ச்சி என்னும் கடலில் மூழ்கி முத்தெடுப்பவர்கள். வாய்ப்புக்காக காத்திராமல், வாய்ப்புகளை உருவாக்கி கொள்ள முயற்சிக்கும் இவர்கள், தன்னுடைய முனைவர் பட்டத்திற்காக மட்டும் ஆய்வு செய்யாமல், பல ஆராய்ச்சி திட்டங்களை முன்மொழிவதோடு மிகச்சிறந்த ஆய்வுக்கூடம் உருவாக ஆணிவேர் போன்று உறுதியாக நின்று செயல்படுபவர்கள். இவர்கள்தான், ஒரு மிக சிறந்த ஆராய்ச்சி கூடம் உருவாகவும், அதன்மூலம் ஒரு நிறுவனத்தின் வளர்ச்சிக்கும், நாட்டின் வளர்ச்சிக்கும் உறுதுணையாக இருக்கும் தூண்கள் ஆவர். அப்படிப்பட்ட ஆராய்ச்சி மாணவர்களை ஊக்குவிப்பதும் நல்ல ஆராய்ச்சி சூழலை உருவாக்குவதும் கல்வி நிறுவனங்களின் முக்கிய கடமை. அக்கடமையை SSN பொறியியல் கல்லூரி செய்ய தொடங்கி இருப்பது மிகவும் பாராட்டிற்குரிய செயல் ஆகும்.

மேலும் கடந்த முந்நாறு நானாறு ஆண்டுகளாக செய்யப்பட்ட ஆராய்ச்சிகளின் முடிவில் பொதுவாக மனித குணம் மூன்று முக்கிய காரணிகளால் வடிவமைக்கப்படுவதாக உறுதி செய்யப்பட்டுள்ளது. முதல் காரணி, முன்னோர்களின் குணாதிசயங்கள் (பெற்றோர்கள் மூலமாக) ஜீன் பரிமாற்றம் மூலம் ஒரு மனிதனின் குணாதிசயம் நிர்ணயம் செய்யப்படுகின்றன. இரண்டாவது காரணி, அம்மனிதனின் வளர்ப்பு மூலம் நிர்ணயம் செய்யப்படுகின்றன. மூன்றாவது காரணி, அம்மனிதன் வளரும் சுற்று சூழ்நிலைகளை சார்ந்து அவனுடைய குணாதிசயம் வடிவமைக்கப்படுகின்றது. வரலாற்றில் வெற்றிபெற்ற பெரும்பாலான சாதனையாளர்கள் மற்றும் விஞ்ஞானிகளின் வரலாற்றின் முடிவை பார்க்கும் பொழுது மூன்றாவது காரணியான அவர்களின் சுற்றுச்சூழலே அவர்களின் குணாதிசயத்தை தீர்மானித்திருப்பது நம்மால் உணரப்படுகின்றது. அந்த வகையில் மூன்றாம் காரணியான நல்ல சூழலை SSN பொறியியல் கல்லூரி உருவாக்கி கொடுத்திருப்பதன் மூலம் இக்கல்லூரியில் இருந்து பல சாதனையாளர்கள் உருவாவது நிச்சியம். அதே போல்

இச்சுவை தவிர யான் போய்
இந்திரலோகம் ஆளும்
அச்சுவை பெறினும் வேண்டேன்

என்ற வரிகளுக்கு இணங்க, நல்ல ஆய்வு சூழலை உருவாக்கி கொடுத்து மாணவர்களுடன் இணைந்து ஆராய்ச்சியில் மிக பெரும் பங்காற்ற பேரானந்ததுடன் பணியாற்றும் மிக சிறந்த ஆராய்ச்சி நெறியாளர்களையும் (பேராசிரியர்களையும்) சமீப காலமாக SSN பொறியியல் கல்லூரி உருவாக்கி கொண்டு இருக்கிறது. மேற்கண்ட அனைத்தும் நம் கல்லூரி பல சாதனையாளர்களை உருவாக்குவது நிச்சயம் என்பதையே நமக்கு உணர்த்துகிறது. ஆம். ஒவ்வொரு விஞ்ஞானியும் இம்மாணித சமூகத்தின் வளர்ச்சிக்காக உழைக்கும் தன்னலமற்ற தியாகி. அத்தகைய தியாகிகள் பட்டியலில் இணைய இளைய சமுதாயம் வீறுகொண்டெழுந்து அறிவியல் புரட்சி செய்யத் துணிய வேண்டும் என்பதே நம் அவா.

வளர்க அறிவியல்! வாழ்க விஞ்ஞானிகள்!

பேரா பெ. இராமசாமி
புலத்தலைவர் (ஆராய்ச்சி)

(முன்னாள் துணைவேந்தர்-அழகப்பா பல்கலைக்கழகம்)

SYcon, an annual flagship event of E Cell (Lakshya) of SSN, took place on 28th March.

Mr. Sylendra Babu IPS, gave an excellent start as the first speaker of the event. His talk centered around the concept of leadership. Students received valuable tips on how to be a leader.

The next speaker Mr Chandru Kalro narrated his own success story of becoming the Managing Director of TTK Prestige in a short span of time. He pointed how it involved hard work, quick decisions, taking calculated risks and working with an optimistic view of life.

Padma Subramanyam, a proud winner of Padma Bhushan and Sangeet Natak Academi Award for Bharatanatyam, hit the nail right on the head when she pointed out the importance of keeping Indian Cultural values high to become successful in life. Her message to the youth is 'Work is Worship'.

Lakshman Krish stressed the need for building happiness inside oneself to be successful in all Endeavour. He believes that one's purpose must always be noble and that success is always placed one step away from our comfort zone.

This was followed by the 'high tech' Auto Annadurai who had electrifying effect on the audience. It was an instantaneous 'WOW' from everyone present to see the way Annadurai had built up his customer base by satisfying all their needs step by step. Annadurai also show how technology needs to be incorporated in one's profession today in all walks of life. His confidence level was too much to be gauged when he pointed out that his target by 2018 was to recruit candidates from BITS Pilani and SSN..... !!! He certainly inspired all the students to becoming successful entrepreneurs.

Ms. Malathi Holla, winner of the prestigious Arjuna Award and Padmashri for her achievement in sports, inspired the audience by her determination to win, ability to face difficult times and unshakable confidence. In spite of whole body being paralysed from young due to polio and 30 surgeries for her broken bones in her leg, she managed to regain strength in her upper body through electric shock therapy and continued to participate in tournaments for disabled athletes. She has won 389 golds, 27 silvers and 5 bronzes in national and international events. At 56, she is still the fastest female Indian athlete. She was a great source of inspiration at the event.

Kurangan's rock music performance was a sample how innovation and creativity helped an entrepreneur. It was followed by Kirthi Jayakumar, a triumphant social entrepreneur and a winner of President's medal from the then US President Barack Obama in 2012. She touched the audience by her commitment to the cause.

Shravan Kumar, the animal activist from Chennai made the audience understand what it means to love animals around us. Though he started his career as a cricketer, by circumstance he plunged to working for the cause of animals. With this love and gratitude towards dogs he set up his venture, Hotel for Dogs. With amenities of spa, dog park and many others, his venture hit success instantly. Along with lodging for dogs, Hotel for Dogs also works on rescue and shelter operations in Chennai and Bangalore. Shravan's love for animals is not only confined to dogs, but trespasses to jackals, dolphins, monkeys, flamingos, pelicans and mainly snakes. He also started an aviary and rehabilitation center for injured birds. He is an example of how one can build a career out of anything that one loves.

Thus the event was a source of great inspiration for all the budding entrepreneurs at SSN and other colleges too

RESPONSIBILITY TOWARDS LIFE AND EXPECTATIONS.

(An unexpected ride through life in the timespan of my bus ride back home)

So, there I was, sitting by the window on the back seat of my bus, looking indifferently at the receding college campus as another day swept by....just like the few hundreds before, bringing me no closer to my aspirations, taking another weak blow at my candle of resolve.

To put things in context, let me introduce myself. I am an over aspiring Indian boy. In a single sentence, I could sum up my life as a series of pre-planned events that society dictates any ambitious student to follow to achieve his dreams. And as society dictated, I found myself pursuing engineering from a reputable college having scored grades passable as above average in my boards, though not nearly good enough to join the exclusive ranks of the prestigious IITs and other government funded institutes.

Few semesters down the line, one often tends to look back and wonder, "What ill-conceived sense of wisdom justified my then decision to follow the rat race and more importantly, how could I possibly have believed that I was going to end up any different?"

These were the thoughts that haunted me then as they haunt me now, but it would be unfair to tell you that I was unchanged after that bus ride back home.

It all started with this guy (I am unable to recall his name) who decided seemingly at random to take the empty seat beside me and engage himself in a conversation with me. As is the norm, we went over the pleasantries which in my context required my sharing of my background in engineering and my fields of interests with him.

My interest was vaguely piqued when he revealed that he too was in third year (though in another branch) and further, when I learnt that his interests included extracurricular academic research activities, just like me. But unlike me, he had already started his venture into the same with a confidence and positivity that had become a rarity amongst our fellow batch mates.

It is common amongst our generation students, to blame the lack of one's zeal on the shortcomings of the institution such as (perhaps), on the faulty syllabus or the quality of teachers etc. so I asked him something that I thought would lead to an interesting conversation and if I was lucky, give me a sneak into his personality of unwavering optimism. (Judge me if you want, but I was desperate to find out how he was different from the rest of us).

I asked him if he believed in GOD.

To which he promptly answered that he certainly did. I did not ask him why, cause it would only lead to a series of redundant dialogues as to whether any evidence (circumstantial or not) could possibly prove the existence of His existence.

I should tell you at this juncture, that I had practically become sceptical of the idea of an all seeing, impartial almighty lord by then.

I didn't ask him, but he told me nevertheless. He said, he believed in GOD only because he had no choice. I could relate to this. It isn't considered agreeable to question the rigorous

faiths that your family believes in. Anyways, it isn't practical to question them in a society run by various religious ideologies that ever contradict each other leaving no grey ground to tread upon without insulting the sentiments of the ideologies of some segment of the society in this "SECULAR" country.

I asked him with a contemptuous attitude as to what could have possibly made him doubt the existence of a supreme being (looking back, my contempt was probably triggered by my sense of inferiority and his apparent lack of failures).

He told me that his parents were dead. He told me about his difficult childhood and that his current state was purely a compensation for all the hardships he was forced to endure as a child with negligible upbringing and access to no resources for his personal development. I shall not go into the details of his personal life, but enough said, his story made my life seem like a paradise and my grand mountain of excuses for my mediocracy nothing more than blown up mole hill of inconveniences.

Yet, I could not comprehend his firm belief in the one above. Isn't GOD supposed to be just? To be fair? To do his part, as long as you do yours? I certainly would have held GOD accountable for all the miseries in my life that were unreasonable and unfair.

With all this valid reasons to not believe, his faith in god only confounded me more. So I asked him again, this time, humbled by our previous conversation, whether he believed in GOD and whether his beliefs and his apparently conflicting ideologies (or so I thought) ever caused him misery?

He replied, that he could not conceive a world without the existence of GOD (he blamed this upon his early orthodox upbringing) and that he too faced the same conflicts that I was pondering about. He went on to tell me that his conflicted soul found peace by understanding a fundamental truth. No one is unaccountable. He claimed that GOD was just another almighty who had his own limitations. Just like the kings of the past, he had a duty towards his subjects, but the society should not expect him to run its nitties and gritties, but to merely to rule it and guide it to a more prosperous future.

Such was in his belief, GOD's true responsibility.

That day, my outlook towards life took a slightly different direction. I still ponder as to whether my decision to join engineering and my current course in life is the right one, but instead of lamenting over what the society and life has given me till now, I have started demanding more from my life as it is my right to do so.

I was never a fan of the "Alchemist" and I can tell you for sure that the universe never conspires for you to achieve your dreams. But it took a random passenger (whose name I cannot recall) to teach me that it was my fault that I expected the universe to do so.

SUBRAMANIAM CG.

2nd year, B.E. (Mechanical Engg.)

SSNCE

SARAL TAMIL MANDRAM

Saara Tamil Mandram conducted activities rooted in Tamil Culture as a part of Instincts during 17-19 March 2017. Shri. Tarun Vijay, Former Member of Parliament (Rajya Sabha) graced the occasion with his presence. The students of SSN college of Engineering welcomed him with one of the traditional dances of Tamil Nadu namely Paraiyattam. This traditional dance was extremely appreciated. During this occasion SSN bestowed on him a title "Valluva varamban" recognizing his contribution to the study of Thiruvalluvar in India. Ms. Kala Vijayakumar, President, SSN College of Engineering presented the Valluva Varamban Award for his contribution to popularizing Thirukkural and Thiruvalluvar in North India. The inspiration for this title comes from the story of Imaaya varamban who brought rock from North India to build a statue for Kannagi in Tamil Nadu. Mr. Tarun Vijay led a yatra from Kanyakumari in Tamilnadu to Haridwar in Uttarakhand called Thiruvalluvar Ganga Payanam to install the statue of Thiruvalluvar on the banks of Ganga river in Haridwar in the year 2016 making him the right person for the title "Valluva varamban". The cultural performance during this event witnessed a rich flavour of Tamil tradition and folk art. The performances included Bharathanaatiyam, Silambattam, Paraiyattam, Pinnal Kolattam, Karagattam and Oyilaatam.

The Saara Tamil Mandram organized ten competitions such as Pechuppotti (Oratorial competitions), Katturaippotti (Essay writing), Kavithaippotti (Poem writing), Sirukathaippotti (short story writing), Kirukkeluthu, Kurukeluthu, Kolappotti, and Tamil lasi (Music Competition) on the second day. The third day witnessed a scintillating pattimandram (Debate) by the students of SSN and the pattimandram naduvar was Professor. Ku. Gnanasambantham, a popular Jaya TV artist.

The event created waves amongst students as they were lovely reminders of the rich tradition and culture in Tamil Nadu.



Pinnal Kolattam



Pattimandram



Mrs. Kala Vijayakumar presenting the 'Valluva Varamban Award'



SPORTS

SSN has always excelled in Sports. In addition to several trophies won by our teams in several national level events, SSN Open 2K17 and SSN Championship 2017 deserve special mention.

SSN OPEN 2K17, a national level Tennis tournament for Under-15 and under-25 men & women was organised. The winners received an overall cash prize of Rs.95000/- and individual trophies were given to winners and runners.

SSN CHAMPIONSHIP 2017 a state level Inter Engineering College Football tournament for men. It is a league cum knock out tournament and 12 teams participated. Prize money to the tune of Rs.50000/- was awarded for winners and SSN football team has clinched the title. Mr. RAVANAN (International Football player) has distributed the prizes, certificates and trophies.

The 18th annual sports day was celebrated on 31st March 2017. Shri. K.SANKAR (Former FIFA World cup Referee) declared the meet open and distributed the prizes. SSN President Ms. Kala Vijayakumar, Principal Dr. S. Salivahanan, Dean The chief guest gave away the individual championship for men to Deva Ramanathan of third year Civil (SSN) and the individual championship for women to M. Sowmya of second year BME dept. The overall championship went to Third year (Red house). The team from NSS secured the shield for first place in the march past.

INSTINCTS 2K17

INSTINCTS 2K17 was truly a 'Carnival' which lasted for 3 adventurous days – 9th, 10th and 11th March of 2017. Day 1 started off with a bang as the auditorium was all set up for the inaugural function of Instincts 2K17. The Instincts deco team brought out vibrant colours with an amazing backdrop going with this year's theme 'Carnival'. It was a great pleasure to welcome the Chief Guest, the very talented Jiva! As he entered the auditorium, the audience went wild with the cheering and clapping! Jiva entertained the audience with his humorous and crowd enrapturing speech. He talked about his experience of shooting a few films at SSN and also about how he enjoyed attending college cultural performance. Jiva also inaugurated the Instincts 2K17 magazine 'Pinnacle', entirely edited and published by the students of SSN. This was followed by several cultural performances such as dance by N2K, classical dance, karaoke by the SSN Music Club and dance performance by the PG students. After the inaugural, the registrations began and all the different clubs got busy organising their events for the day.

DJ SOULKID rocked SSN on 9th night, as he blared the Open Air Theatre (OAT) with all those famous tracks and numbers! Pushkar Jaishankar aka DJ Soulkid took over the night with some enthusiastic numbers and the crowd went wild with excitement. Everyone inventing new moves and steps enjoyed the night in their own ways. There were a mix of Tamil, Hindi and English tracks, all of which were crowd favourites and danceable numbers. Preceding this was the musical night – Mardi Gras with individual bands performing and entertaining the audience. Gazing at the sky filled with lanterns and listening to soulful music by the bands relaxed the minds of all – the young and old.

Day 2 started off with the events as per schedule. Some of the interesting competitions that were taking place were, Reels of Fire – the short film contest. The dramatics event 24Hour Theatre had a great set of plays put up by talented students. Treasure hunt had a large number of participants running around the campus and JAM had a group of competitive speakers. A set of talented bikers showcased their stunts and skills in the evening as a large crowd gathered around to watch the performance. It was a power packed experience and received great feedback from the audience.

10th night was one of those nights to which everyone looks forward to, Instincts 2K17 Choreo Night organised by the SSN Dance Team - N2K! The judge for this event was none other than our very own Hudson Samuel who has been coaching the SSN Dance Team for about 5 years now. There were 10 teams that participated in this year's Choreo Night including colleges such as SRM Easwari, Loyola Dream Team, MOP Vaishnav, Stella Maris etc. Everyone gave power packed performances and rocked the Open Air Theatre with their stunts, moves and grace! Each team brought out wonderful concepts and it was overwhelming to watch them perform with such ease. GCD College took up their theme as Shiva with some great tracks that synced brilliantly with their moves. SRM Easwari were at their best making use of the right props and at the right moments. Loyola Dream Team with their professional stunts and perfect formations. MOP and Stella put up amazing performances bringing out Hip Hop, Pop, Jazz and what not! And the final performance of the night was by N2K. There were props appearing from nowhere and dancers flying high with their stunts. N2K proving itself again and again. A great night filled with amazing talent and energy.

Day 3 had the Pattimandram contest which went on in full swing. A majority of the Music Club's competitions took place on day 3 including the SSN Idol and Light Music events. The quality of the bands and the singers was really good and can be compared to the professional singers and bands. The Pro Show, the final event of Instincts 2K17 was a huge success. Talented singers Sathya Prakash, Nikhita Gandhi and Pradeep Kumar lit up the stage with their beautiful voices and attractive songs. The crowd comprising of all age groups swayed and danced to their songs.

Instincts 2K17 came to an end as the organising committee signed off on a high note with more music and dance, also the unexpected round of fireworks.

Yet another version of Instincts was successfully organised by the students of SSN. From the start of preparation months earlier, till the very end, this was definitely one big roller coaster ride!

THE SMILE

A smile is just another kind of lie
A practiced mask behind which we hide
We laugh, we grin with a bright face
Behind which are things we'd rather erase.
It is merely another falsity
A mocking oath on the altar of travesty
The curve of a lip hides, more often than not, pain
And suffering rather than joy, endured disdain.
What exists behind a smile is quite varied
Maybe a depressed soul to whom we pay no heed.
"She's smiling, she's all right" is what we think
When in reality, she's broken, barely balanced on the brink.
It could be someone you think you truly know
The happiest one, the loudest, though
Behind the stage curtains something else lies
Silent screams, razor cuts and bloodshot eyes.
She appears perfectly content and happy
But the cracks lie under the surface unseen

Her fractured thoughts and hopeless cries
For someone to notice her, to save her, to try.
"I'm fine, I'm okay," she protests when you ask
Simply words- the feelings within to mask
She's out of control, both abuser and victim
Everyday fast approaching her own requiem.
Look past that glimmering smile to see the scars
That lie on her heart and body before she falls too far
For some steps once taken, certain opened doors
Cannot be closed and may mean she is forever no more.
So be more aware and be more kind
For you never know what wounds you might not see but may find.
Us sad folk are not so easily seen
For we wear smiles of blood and shattered dreams.

Kaavya. K

III B.E (Mechanical)

(The first prize) winning poem

Glimpses of Instincts 2K17



VIBRATIONS

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SSN Institutions

Rajiv Gandhi Salai, SSN Nagar, Kalavakkam - 603 110, Tamilnadu, India

Phone : 91 44 2746 9700 Telefax : 91 44 2746 9772 - Extn: 230

email : info@ssn.edu.in

www.ssn.edu.in