



ITI HAS

(IT Is Happening At SASTRA)



Newsletter from SASTRA University



Vol. 14

III Quarter

2014

Message from the VICE - CHANCELLOR



It is really gratifying to note that Prof. Manjul Bhargava, the 2005 SASTRA-Ramanujan Award winner received the Fields Medal this year. Fields Medal is known as a 'Mathematician's Nobel Prize.' I also feel proud of SASTRA University's ability in identifying talent at an early stage at the international level. The SASTRA-Ramanujan

award is given to outstanding individuals not exceeding the age of 32 for their contributions to mathematics in the areas influenced by Srinivasa Ramanujan. Over the years, the SASTRA-Ramanujan award has become one of the most prestigious and coveted ones in the world, recognized by the international community of mathematicians. Dr. James Maynard, an Oxford Scholar at the University of Montreal is to receive the award for the year 2014.

Another matter of delight for SASTRA is that a B.Tech. ECE (2008 batch) graduate of SASTRA, Shri Promod Prakash was part of India's successful Mangalyan project. We wish him great success in his future endeavours also.

SASTRA University rendered help to the victims of the recent floods in Jammu & Kashmir. Relief materials worth Rs. 50 lakh were distributed to 5,000 families at Anantnag district in September 2014.

Prof. V.S. Ramamurthy, former Secretary, DST delivering the 28th Convocation Address at SASTRA insisted the graduates to shed the techno-coolie mindset. Over 3900 students received their degrees in various disciplines.

This year again, the placements at SASTRA has been very encouraging. Over 1600 students have been placed by reputed companies so far.

Shri E.S.L. Narasimhan, Governor of Andhra Pradesh and Telangana, and Justice K. Kannan are among the notable speakers of the Knowledge Leadership Forum this quarter. The School of Computing organized an International Conference on Intelligent Computing and Data Science in September.

Our students have won laurels in 'Festember,' NIT, Trichy's cultural festival. School of Law's Moot court team has won prizes in two mooting events.

Nine veteran teachers of Kumbakonam have been honoured at the teachers day function held at Srinivasa Ramanujan Centre of SASTRA.

The present issue of ITIHAS features all these and many more.

Prof. R. Sethuraman
Vice-Chancellor

XXVIII CONVOCATION @ SASTRA

The 28th Convocation of SASTRA University was held on August 9, 2014. Prof. V.S. Ramamurthy, Director, National Institute of Advanced Studies, Bangalore and Former Secretary, Department of Science & Technology, New Delhi delivered the convocation address and presented the degrees. Delivering the convocation address Prof. Ramamurthy said, "Shedding the techno-coolie mindset is the biggest step forward to innovate and young graduates of this technology-era need to innovate using technology as a disruptive tool."

Highlighting that innovation and entrepreneurship are the engines of economic growth, Prof. Ramamurthy commended India's native innovation and entrepreneurial skills and urged the young graduates to use technology as a force multiplier.

"Replicating the Silicon Valley attitude is essential as it is the fountainhead of innovation and was the home to many of the world's largest technology corporations," said the orator. The US was benefitted by this during the 20th century and this model has been successful even in small countries like Israel and Taiwan. He advised the graduates to put together all the knowledge and skills gained in the university to innovate. In this era of human civilization in a globalised village driven by powerful ICT tools, Ramamurthy encouraged the youth to usher it with social consciousness to bring about public good and



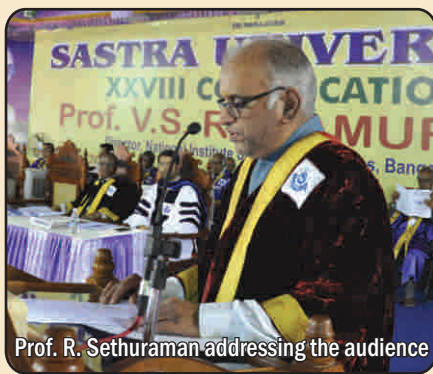
Prof. V.S. Ramamurthy gives away a special award



Prof. V.S. Ramamurthy delivering convocation address

enhance quality of livelihood - the twin cornerstones of social good.

A total of 3,926 students received the degrees at the convocation in various disciplines including 30 PhDs.



Prof. R. Sethuraman addressing the audience

Prof. R. Sethuraman, Vice Chancellor, while welcoming the gathering, highlighted the recent achievements of SASTRA.

Awards

The Founder Chancellor Award for the best PhD thesis was given to Shri Stalin Selvaraj for his outstanding work on Membrane Interaction of Flavonoids resulting in six SCI journal publications with a cumulative impact factor of 36.86. This award carried a citation and a cash prize of Rs 50, 000.

Chi. S. Kaushik received the Lord Selvamuthukumar Award for the best outgoing B.Tech. graduate and the Silver Jubilee Batch Award was presented to Kum.



The dignitaries on the dais

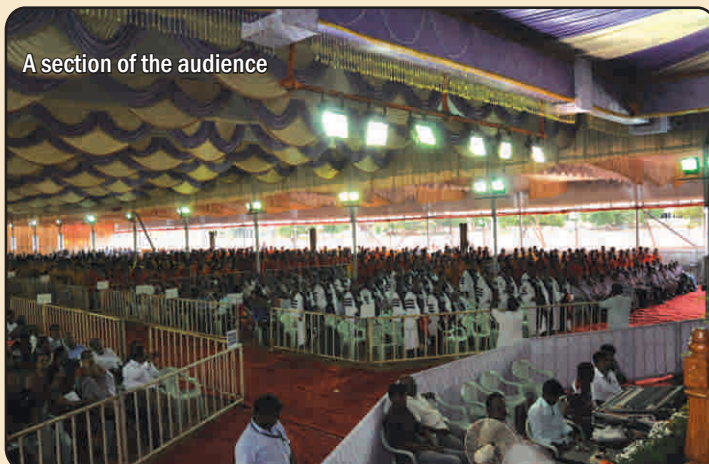
K. Subbulakshmi for being the best outgoing female graduate. Both were awarded a citation and a cash prize of Rs 10,000 each.



From Kashmir to SASTRA

Shri Shabeer Ahmed Ganai, a full-time doctoral student of Kashmir, was awarded Ph.D. at the convocation, for his application oriented work on Cancer Epigenetics. In pursuit of knowledge, Shri Shabeer Ahamed came from snow-peaked Kashmir to Cauvery delta. Hailing from Anant Nag in Kashmir, he came to SASTRA University in January 2009 to pursue his Ph.D.

“I am feeling nice and happy,” said Shri Ganai, son of a driver. He did his Ph.D. on a novel class of inhibitor that could be used for cancer therapy and neuro-degeneration. He has presented his findings to Cambridge University, European Molecular Biology Laboratory (EMBL-Heidelberg) and to German Cancer Institute, and is keen on postdoctoral research. He was chosen by SASTRA under the Teaching Assistanceship with a scholarship of Rs. 12,000 per month.



A section of the audience

SASTRA DISTRIBUTES RELIEF MATERIALS TO JAMMU & KASHMIR FLOOD VICTIMS



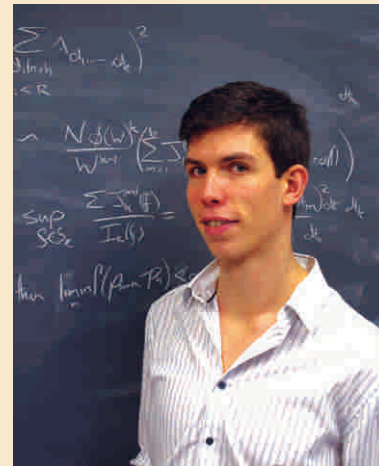
SASTRA University distributed relief materials to the people affected by the recent floods at Jammu & Kashmir. A team of five volunteers from SASTRA, headed by Prof. R. Sethuraman, Vice-Chancellor, commenced the distribution of relief materials on 24th September 2014. The relief packs, for over 5000 families, consists of a woollen blanket & sweater, 5 kg of rice, pasteurized milk, biscuits, emergency medicines and clothing for each family. The total estimated value is Rs.50 lakh and the team distributed the relief materials in 21 villages like Pushwara, Hanjidantar, Ganjiwara, Mumiwar, etc. in Anantnag District, which is one of the seven districts requiring immediate attention as mentioned before the Supreme Court.

Local volunteers coordinated by Dr. Shabir Ahamad Ganai, a recent Ph. D. graduate of SASTRA University from Jammu & Kashmir, assisted the team. Food and clothing material were shifted in three trucks from Amritsar and emergency medicine was freely airlifted from Chennai by Air India. M/s. Orchid Chemicals have also provided essential medicines as part of the relief material. Local government support was provided by Mr. Bashir Ahamed Khan, Deputy Commissioner of Anantnag and Mr. Prasanna Ramaswamy (a 2008 SASTRA engineering graduate), Additional Deputy Commissioner Kathua District of Jammu.



OXFORD GRADUATE FROM UNIVERSITY OF MONTREAL TO RECEIVE SASTRA RAMANUJAN AWARD FOR 2014

The 2014 SASTRA Ramanujan Prize will be awarded to Dr. James Maynard, an Oxford scholar at the University of Montreal, Canada. The SASTRA Ramanujan Prize was established in 2005 and is awarded annually for outstanding contributions by young mathematicians to areas influenced by the genius Srinivasa Ramanujan. The age limit for the prize has been set at 32 because Ramanujan achieved so much in his brief life of 32 years. The prize will be awarded on Ramanujan's birthday, December 22, 2014 at SASTRA University in Kumbakonam as it is the usual practice every year. Maynard will receive the cash award of USD 10,000 along with a citation and will deliver the Ramanujan Birthday Commemorative Lecture.



Dr. Maynard who received his PhD from Oxford University two years ago, is currently a post-doc at the University of Montreal, Canada and still holds a position at Oxford. In the last two years he has obtained spectacular results in prime number theory, especially on the small gaps problem. Just within the last few weeks he solved the famous problem of Paul Erdos on large gaps between primes. Thus he has taken the world of number theory by storm. He is only 27 and the SASTRA-Ramanujan Award will be his first major prize to recognize his great work.

The 2014 SASTRA Ramanujan Prize Committee consisted of Professors Krishnaswami Alladi - Chair (University of Florida), Roger Heath-Brown (Oxford University), Winnie Li (The Pennsylvania State University), David Masser (University of Basel), Barry Mazur (Harvard University), Peter Paule (Johannes Kepler University of Linz), and Michael Rapoport (University of Bonn). Previous winners of the Prize are Manjul Bhargava and Kannan Soundararajan in 2005 (two full prizes), Terence Tao in 2006, Ben Green in 2007, Akshay Venkatesh in 2008, Kathrin Bringmann in 2009, Wei Zhang in 2010, Roman Holowinsky in 2011, Zhiwei Yun in 2012, and Peter Scholze in 2013. The award of the 2014 SASTRA Ramanujan Prize to James Maynard is a fitting recognition in the tenth year of this prize and in keeping with the tradition of recognizing path-breaking work by young mathematicians.

2005 SASTRA – RAMANUJAN AWARDEE RECEIVES FIELDS MEDAL



Prof. Manjul Bhargava of Princeton University, who was awarded the SASTRA – Ramanujan Prize in 2005 received the Fields Medal 2014. He was awarded the Fields Medal, for developing powerful new methods in the geometry of numbers, which he applied to count rings of small rank and to bound the average rank of elliptic curves. The Fields Medal and the Abel Prize are known as the

"Mathematician's Nobel Prize."



Prof. Manjul Bhargava (third from right) seen with the SASTRA-Ramanujan Award during 2005

The SASTRA Ramanujan award was given to Prof. Manjul Bhargava in 2005 for his phenomenal contributions to number theory, most notably by his discovery of higher order composition laws. This annual prize is for outstanding contributions by individuals not exceeding the age of 32 in areas of mathematics influenced by Ramanujan in a broad sense. The age limit was set at 32 because Ramanujan achieved so much in his brief life of 32 years. The \$10,000 prize is awarded annually in December at the Srinivasa Ramanujan Centre of SASTRA University in Ramanujan's hometown, Kumbakonam, South India.

SASTRA feels proud of its ability in identifying talent at an early stage at the international level. We wish Prof Manjul Bhargava many more laurels in future!

SASTRA GRADUATE IN MANGALYAN PROJECT

Mr.Promod Prakash, a SASTRA ECE graduate from the 2008 batch was part of the Mangalyan project and the Management, Staff & Students of SASTRA University is proud of ISRO's achievement and wish Promod more success in his future endeavours. In the photograph Promod Prakash (left) is seen with the autograph from the Prime Minister.

It's youth power all the way!

Madhumathi D.S.

BANGALORE: They are a bunch of 20-something spacebuffs working in what is this week's hottest Indian satellite campus. Over the past months, they kept irregular, sleepless work schedules, shouldered critical operations and helped to ensure that nothing wrong happened to the mother of all ISRO projects to date, the Mars Orbiter Mission.

In the last few months, they were "really stuck with MOM," Orbit achieved, ten months of vigil was temporarily over and it was time to let their hair down and celebrate the fruit of that hard work.

Inside the control rooms, they shook hands with Prime Minister Narendra Modi and took his autograph.

After Wednesday's MOI (Mars Orbit Insertion), Kamlesh Kumar Sharma

FUTURE READY: Young scientists with the ISRO show off autographs from Prime Minister Narendra Modi.

of ISTRAC has at least four reasons to exult about: "I was the first one to send the first command when MOM was launched [on November 5]; the first again in the TMI [Trans Mars Injection of December 1, 2013] and one of the very few lucky ones to work as a prime controller during today's [Wednesday's] MOI burn.

I was also [among] the first to verify the good news that we received after 21 minutes," he said.

Kamlesh is part of the telemetry team that controls the spacecraft during its transit. On September 14 and 15, too, he was involved in loading the commands and contingency plans to the spacecraft — the same

commands that were executed on Wednesday.

On Wednesday, after an overnight vigil at the ISTRAC spacecraft control campus, MOI brought a small respite to Kamlesh and his associates Hishab Mishra, flight dynamics colleague Padmesu Mishra and network operations engineer Nitesh Kumar.

Mishra's task was to plan the engine burn duration and the small velocity difference that the spacecraft must reach.

One wrong calculation and the spacecraft would have flown past Mars into the unknown.

Some 300 days later, they say there is work ahead: the orbiter must be carefully watched and tended to.

"We have already been monitoring the 4,000 parameters of the spacecraft 24x7. Now, the watch continues, it may be for six months, two years or more," one of them said.

SASTRA LAW STUDENTS EMERGE RUNNERS UP IN ICSI SUPPORTED NATIONAL MOOT COURT COMPETITION



SASTRA University Moot Court Team comprising Kum. Cynduja Crishnan, Chi.S. Sai Bharath and Chi. K Kishor, IX Semester B.A.,LL.B.(Hons.) bagged Runners up in ICSI supported National Moot Court Competition held at Seshadripuram Law College, Bangalore. The team won Best Memorial award in the Competition. Kum. Cynduja Crishnan won the "Best Mooter Female" award while Chi.K.Kishor bagged "Best Researcher" Award along with an internship and Placement offer from "Higher Knowledge." The Final was presided over by three sitting Judges of Karnataka High Court namely Hon'ble Justice Shri A.S. Bopanna, Hon'ble Justice Shri A.N.Venugopala Gowda and Hon'ble Justice Aravind

Kumar. 28 teams from among National Law Schools, ICSI and other prestigious law schools participated in the Competition.

SURANA & SURANA NATIONAL TRIAL ADVOCACY MOOT COURT COMPETITION

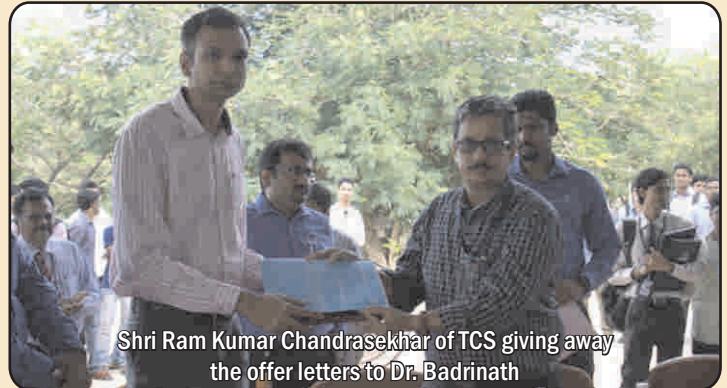
In the 10th edition of the Surana & Surana National Trial Advocacy Moot Court Competition hosted by National University of Advanced Legal Studies, Kochi, in September, SASTRA's School of Law team comprising Chi. K. V. Kartik Subramanian (IV year B. Com., LL. B. (Hons.)), Chi. G. Karthikeyan IV year B.B.A., LL. B. (Hons.)), Chi. C. R. Sriram (IV year B. Com., LL. B. (Hons.)) and Chi. Sowmya Narayanan (II year B.A., LL.B. (Hons.)) were adjudged the Runners Up team. A total of fourteen teams participated including top National Law Schools in the country. SASTRA Law student Chi K.V.Kartik also won the prestigious "Experientia Patronus Hornus" – Best Student Advocate of the year award, Chi. G. Karthikeyan won the Second Best Student Advocate of the Year Award and the team won the Second Best Memorial award in the Competition. The team argued before the sitting Judge of High Court of Kerala Hon'ble Justice Shri K.T. Shankaran. Surana & Surana is among the toughest competitions and is a tier moot.



PLACEMENTS @ SASTRA

1,643 students from various streams have been placed so far at SASTRA University in the campus recruitment drive that started this year from July 2014. M/s Tata Consultancy Services (TCS), which conducted the recruitment from September 3-7, 2014 recruited 1,212 students.

Recruiters like Paypal, Amazon, Ascendant, Avnet, Microsoft, MuSigma, Freshdesk, Zoho, LatentView, Lister and TVS Motor, had already held their respective campus recruitment drives before TCS began its exercise. While the average pay package is close to Rs 4 lakh per annum, Paypal is paying the maximum with the highest going up to Rs 17.25 lakh per annum. "On a year-over-year (YOY) basis this is a clear indication of economic recovery and is a reward for SASTRA's meritorious admission, hard work by students and committed training by faculty," said Dr. V. Badrinath, Director, Training and Placement, SASTRA.



Shri Ram Kumar Chandrasekhar of TCS giving away the offer letters to Dr. Badrinath



SOME OF OUR PROUD RECRUITERS



TCS BEST PROJECT AWARD 2014

The Best Student Project Award 2014, instituted by TATA Consultancy Services (TCS), was given to three engineering graduates of SASTRA University this year. The award was presented by Shri Ram Kumar Chandrasekar, Regional Head, Human Resource Development, Tata Consultancy Services, at a function held at SASTRA University on 7th September, 2014. The award carrying a gold medal each and a sum of



Rs.20,000/- was given to the winning project team consisting of Shri B.V.S. Dheeraj Reddy, Shri B. Sai Raghava and Shri K.Anvesh Reddy for their project titled “Privacy preserving Data Mining using Incentive Compatible Mechanism and Ensemble Methodology”. Their mentor was Dr.A.Umamakeswari, Associate Dean, School of Computing, SASTRA University.

MEMORANDUM OF AGREEMENT WITH IICPT

A Memorandum of Agreement (MoA) was signed between SASTRA University and the Indian Institute of Crop Processing Technology (IICPT), Thanjavur, on



15th September 2014, which provides for exchange of students for study and research; development of mutually beneficial academic programmes, courses and distance learning facilities; long term and short term exchanges of faculty, visiting faculty, students and staff for purposes of teaching and research; exchange of documentation and research materials in the fields of mutual interest and coordination of joint research, lecturers and training. The MoA was signed by Prof. G. Bhalachandran, Registrar, SASTRA University, and Dr. J. Alice R. P. Sujeetha, Administrative Coordinator, IICPT, in the presence of Dr. S. Swaminathan, Dean (Sponsored Research) & Director – Centre for Nanotechnology & Advanced Biomaterials (CeNTAB), Dr. K. Sridharan, Dean, Dr. A. Sathya, Asst. Professor, School of Chemical & Biotechnology and Dr. K. Alagusundaram, Director, IICPT.

Earlier, a team of eight experts from different departments of IICPT visited the research facilities at SASTRA to initiate collaborative research programmes.

MoU WITH TATA POWER

SASTRA University recently signed an MoU with M/s. TATA Power Trading Co. Ltd. for setting up roof-top solar power plants to a capacity of 1.25 MW in our Thanjavur and Kumbakonam campuses.

The solar panels are being erected at the roof-top of all the major academic blocks of SASTRA. The project is expected to be completed in the next three months. When completed, 20% of the total power consumed by the University will be met with solar power, reducing the reliance on conventional energy substantially.



Ph.D. AT SASTRA

The following faculty members received their Ph.D. Degrees in the XXVIII Convocation of SASTRA

Dr. S. Saravanan

Title : Test Pattern Compression For Low Power System-on-chip (Soc) Design Testing

Supervisor : Dr. Har Narayan Upadhyay, Associate Dean, SEEE, SASTRA



Dr. D. Venkatesan

Title : Development of Genetic Algorithms Based Hybrid Techniques for a Few Engineering Optimization Problems

Supervisor : Dr. K. Kannan, Dean, H&S, SASTRA



Dr. B. Sreedevi

Title : Some Techniques For Improving Quality of Service In Mobile Ad Hoc Networks

Supervisor : Dr. S. Adline Princy, Associate Professor, SCBT SASTRA



Dr. Stalin Selvaraj

Title : Investigations on the Membrane Interactions of Selected Flavonoids and their Transition Metal ion Complexes

Supervisor : Dr. K. Umamaheswari, Associate Dean, SCBT, SASTRA



Dr. M. Nandhini Gayathri

Title : Mrs Based On-line Rotor Resistance Estimators For Vector Controlled Induction Motor Drives

Supervisor : Dr. Himavathi, Pondicherry Engg. College & Dr. R. Sankaran, Professor, SEEE, SASTRA



Dr. Anishin Raj M.M.

Title : Disaster Avoidance In Industries Through Weld Defect Detection From Radiographic Images Using Image Processing And Clustering Techniques

Supervisor : Dr. B. Venkataraman, IGCAR & Dr. V. Vaithyanathan, Associate Dean, SoC, SASTRA



Dr. D. Susan

Title : Simulated Inductor & Its Application For Analog Circuits and a Newly Proposed Circuit in Lieu of Existing Circuit And Its Various Applications

Supervisor : Dr. S. Jayalalitha, Associate Dean, SEEE, SASTRA



Dr. P. Saravanakumar

Title : Strength and Durability Characteristics of Recycled Aggregate Concrete with Admixtures

Supervisors : Dr. G. Dhinakaran, Professor, SCE, SASTRA University



Dr. N. Bharathi

Title : Implementation And Analysis of Coordination Techniques For Scheduling Configurable Computation Hardware Blocks in FPGAAAt Run-time

Supervisor : Dr. P. Neelamegam Professor, SEEE, SASTRA



Dr. T. Panneerselvam

Title : Investigation of Optimal Drilling Parameters for Delamination in Chopped Strand Mat Glass Fiber Reinforced Polymer (CSM at GFRP)

Supervisor : Dr. S. Raghuraman, Professor, SME, SASTRA



Dr. R. Manikandan

Title : A Study On Specific Issues in VLSI Physical Design

Supervisor : Dr. P. Swaminathan, Dean-SoC, SASTRA



Dr. B. Balasubramanian

Title : Study of supportive livelihood measures adopted by landless agriculture labourers of Thanjavur District

Supervisor : Dr. R. Srinivasan & Dr. S. Vaidhyasubramaniam, Dean (P&D) SASTRA



Dr. R. Venkatraman

Title : Experimental Investigations, Modeling and Analysis on Equal Channel Angular Pressing (ECAP) of Aluminium processed through Powder Metallurgy Route

Supervisor : Dr. S. Raghuraman, Professor, SME, SASTRA



Cash Award

A cash award of Rs. One lakh each will be awarded to faculty members who have pursued their Ph.D. without compromising on their regular academic work.

INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTING AND DATA SCIENCE (ICICDS 2014)

An International Conference on Intelligent Computing and Data Science (ICICDS 2014) was organized by the School of Computing on September 12 & 13, 2014.

Dr. B.K. Murthy, Executive Director, C-DAC, Noida inaugurated the conference. He enlightened the participants on “Digital India”. He centered his talk on digital empowerment, governance services on demand and infrastructure as utility to every citizen so as to prepare India for a knowledge world. He emphasized on digital literacy, e-governance and electronic manufacturing. Dr. K. Kesavasamy, Global Head, Academic Interface Programme, TCS, Trivandrum delivered special address.



Dr. B.B. Prahlada Rao, Associate Director, System Software for HPC, C-DAC, Bengaluru, Shri Damodar Padhi, Vice President TCS, Shri Sundar Varadarajan, Senior Vice President Hexaware Technologies, Dr. L. Venkata Subramaniam, Manager Information Management Analytics and Solutions, IBM, Smt. S. Rajeswari, Head, Computing Systems Section, Computer Division, IGCAR, Kalpakkam, Shri K.S. Sreedharan, Director, Zoho Corporation, Shri Veerendra Vasamsetty, Innovation Manager & Group Edison Expert, Schneider Electric, Dr. Kumar Rajamani, Robert Bosch Engineering & Business Solutions Ltd., Bengaluru, Shri Madhusudan Kandasamy, Technical Chief Engineering Manager, IBM Systems & Technology Group (STG), IBM, Shri Rahul Ganapathy, Product Manager, HCL Technologies Ltd, Shri Anurag Singh, Support Engineer, System Center Enterprise Management, Microsoft India GTSC, Bengaluru are some of the speakers.

63 papers were selected for presentation at the conference. The presented papers are to be published in the SCOPUS/SCI indexed journal.

KNOWLEDGE LEADERSHIP FORUM LECTURES

Shri E.S.L. Narasimhan, Governor of Andhra Pradesh and Telangana, delivered a Knowledge Leadership Forum Lecture on August 27, 2014 at Srinivasa Ramanujan Centre, SASTRA University, Kumbakonam. The Governor said that health security was the foremost aspect of development and the country would lag behind if it failed to produce a healthy society. Citizens of the country should be healthy, both physically and mentally.



But the present health delivery mechanism has not benefited all sections of people, particularly the middle income group and the poor, who could not afford huge sums for availing themselves of quality health care. Hence, a mechanism had to be formulated similar to the one of Minimum Support Price (MSP) for agriculture produce to benefit farmers. A system of minimum and maximum treatment cost could be fixed for all ailments to make quality health services available to the common people, said the speaker.



Shri. N. Venkatraman, Senior Advocate, Supreme Court delivered a KLF Lecture on “Judicial Appointments – A Global Perspective” on July 26, 2014. Shri N.

Venkatraman spoke on the principles involved in judicial appointments and traced the historical trajectory and constitutional debates that informed Judicial appointments in India. The speaker then went on to trace the landmark judgements involving the issue as well as a critique of the Judicial Appointments Bill. A group of students also made presentations on the practices regarding Judicial appointments in various countries.

Hon'ble Justice K. Kannan, Judge, High Court of Punjab & Haryana delivered a KLF lecture on Medicinal Law – Before, During and Beyond Life on July 28, 2014. The distinguished speaker dwelled upon the inadequacy of laws in India relating to sexual issues,



pregnancy and mother's right to children. He also elaborated on the complex issues in Surrogacy and how they were dealt by the Indian courts and urged the students to evolve model laws where they are inadequate.



Shri Ananthan, Chartered Accountant, Chennai delivered a KLF lecture on Tax Advocacy on August 22, 2014. The speaker emphasised on the importance of Tax Advocacy in the

emerging scenario and spoke on the various skills that an advocate has to develop to make an impact on the profession.

Shri A.Ramesh, Senior Advocate, High Court of Madras delivered a lecture on Criminal Law in India on September 5, 2014. He spoke on the character of Criminal



Law in India and also stressed on the nuances of arguing the case in the court and the importance of reading the brief diligently and cross referencing them with relevant pieces of legislation.

Shri K. M. Vijayan, Senior Advocate, Madras delivered a KLF Lecture on “Supreme Court – A Sentinel on the Qui Vive” on September 6, 2014. The distinguished guest, an expert in the field of



Constitutional Law, dealt with intricacies of the provisions of the Constitution, the intent of the law makers and the interpretation of by the Supreme Court through decades of landmark judgments overruling one another. He also deliberated on what a law is under Art.13(2), the amendment procedure under Art. 368, and whether the fundamental rights guaranteed by the Constitution can be deprived by the due process of law.

Shri S. Raghunathan, Visiting Professor of Law, Tamil Nadu State Judicial Academy delivered a lecture on Trial Procedure in General on September 6, 2014. The speaker



detailed the intricate points in Trial Procedure in India. He also spoke on life course of a trial and the nature of documentation that has to be created and maintained in Police stations as mandated by law. He also discussed some land mark cases in Law of Evidence in India.



The School of Management organized a lecture on “Leadership Skills” on 19th August 2014. **Shri V. Chandrashekar**, Executive Vice-President, Larsen & Toubro Info Tech Ltd., Chennai spoke on the

requisite leadership skills for a manager. He said that a good leader should be a good follower. He also pointed out that Lord Hanuman is the best leader and spoke on the leadership skills depicted in “Sundara Kanda”. He also inaugurated the activities of Phoenix Association and Sahithya Association.

Another lecture was delivered by by Shri. Aravindan Neelakandan, famous writer and journalist, on 26th September 2014 on the topic, “Breaking India.”

Phoenix Association, School of Management, organised a guest lecture on “Opportunities in Banking Sector” on 16th September 2014. Shri Ramesh Krishnan, General Manager (Retd.), Karur Vysya Bank spoke on the risks

faced by the banking sector namely, market risk, operational risk and technology risk. He also emphasized on the role of treasury in the banking sector.



Phoenix Association and Abraham Maslow Club, School of Management, organised a guest lecture on "Industrial Relations -The Challenges and Solutions" on 29th September 2014. Shri Nainaraj, CEO-Options & Solutions Ltd, Chennai spoke about the means of maintaining the constructive HR in an organization. He also said that communication, result oriented approach, building trust and the like are important for a HR manager. He also shared his experiences as a HR manager.

Sahithya Association, School of Management, conducted preliminary round of Quiz contest for B.Com. (CA) students on 25th July 2014. 45 teams comprising 90 students participated in the preliminary round and final round was conducted with six selected teams on 28th July 2014. Mr.Tarak Ram Singh conducted the final round quiz. The first three teams were awarded prizes. Mr.P.Vijay Shankar, Assistant Professor, Sahithya Association faculty in-charge, co-ordinated the programme.



A lecture on 'Metal Forming – Challenges & Opportunities' was organized on August 2, 2014 by the School of Mechanical Engineering. Dr. T. V. L. Narasimha Rao speaking on the topic emphasized the challenges faced in the metal forming area and how that has been overcome by modern technologies.

ENGINEER'S DAY CELEBRATION BY IICHe STUDENT CHAPTER

On the occasion of the birth anniversary of Sir M.Visvesvaraya, the Indian Institute of Chemical Engineers Student Chapter at SASTRA University, celebrated "Engineer's Day" on September 15, 2014. Dr. Gautham B Jagadeesan, Senior Assistant Professor, Chemical Engineering participated in the event and delivered a lecture on "Nanotechnology for Environment and Energy – Opportunities and Challenges."



Kum. S.Varsha, of III B.Tech Chemical Engineering shared a few thoughts on the work and achievements of Sir Visvesvaraya, followed by a video screening on him. The

Convener of the student chapter, Dr.R.Kumaresan, Associate Dean, Chemical Engineering, who spoke on the occasion urged the students to be faithful and dedicated engineers like Sir Visvesvaraya in their career.

A process development flow sheeting event called "Develop your Flow sheet" was conducted and the winners were given prizes.

IICHe STUDENT CHAPTER

The activities of the Indian Institute of Chemical Engineers Student Chapter at SASTRA University was inaugurated for the academic year 2014-2015 on 30th July 2014. Mr. G. Krishnan, Chairman of IICHe, Chennai Regional Centre and Director of Morai Hydroban Ltd., Chennai inaugurated the chapter activities.

The Convener, Dr R. Kumaresan, Associate Dean, Chemical Engineering, read out the Annual Report of the Chapter for the year 2013-2014 and released the second edition of the chemical engineering magazine "Chemuniqu" (Volume 2, Issue 1). Mr. G. Krishnan read out the poem "Engineers Anthem" written by him. He enlightened the audience on opportunities for Chemical Engineers in small and large scale industries.



INAUGURATION OF ASCIEE

The Association for Communication, Instrumentation & Electrical Engineers (ASCIEE) was inaugurated on August 2, 2014. Shri V. Manoharan, Senior Technologist, General Electricals, Bengaluru inaugurated the association and delivered a lecture on "Automation in Non-Destructive Examination (NDE)"



COSMOS, the Physics Club, organized the following lectures for the I B.Tech. students. Dr.G. Anbalagan, Dept. of Physics, Presidency College, Chennai addressed the students on the topic "Introduction to Crystallography" on August 8, 2014. Prof. S. Arumugam, Department of Physics, Bharathidasan University, Trichy spoke on the characteristics of superconducting materials on Spetember 8, 2014. Dr. P. Philominathan of AVVM Sri Pushpam College, Poondi lectured on Nonlinear Dynamics on September 16, 2014.

MECASSO INAUGURATION



Dr. Suresh K. Sitaraman, Professor & Director of Computer Aided Simulation of Packaging Reliability (CASPaR) Lab, The George W. Woodruff

School of Mechanical Engineering, George Institute of Technology, Atlanta, inaugurated the MECASSO, the student association of the School of Mechanical Engg. for the academic year 2014-15 on July 21, 2014. He also delivered a lecture on 'Research Challenges in Thermo-Mechanical Aspects of Microelectronic Systems.'

WORKSHOP ON "OPEN SOURCE SCILAB PROGRAMMING"

The Department of Electronics & Communication Engineering of School of EEE organized a one day workshop on "Open Source Scilab Programming" on August 30, 2014. The objective of this workshop was to expose the faculty members, research scholars and students of various institutions to the MATLAB

equivalent programming tool – Scilab, which is an open source tool. Scilab has become a great tool for teaching mathematics, engineering sciences and automatic control engineering. 37 faculty members and students from various engineering institutions attended the workshop. The workshop sessions were handled by the faculty members of department of ECE.



MASTER RESOURCE PERSON TRAINING FOR MATHEMATICS TEACHERS

A three-day regional level training programme for Mathematics School Teachers who are Master Resource Persons, was organised at SASTRA from July 30 to August 1, 2014. 53 Higher Secondary teachers of various districts attended the programme which was organised in collaboration with Rashtriya Madhyamik Skiksha Abhiyan.



Prof. G.Bhalachandran, Registrar inaugurated the training programme. Major A. Balasubramaniam, Principal, School of Education, SASTRA who addressed the inaugural session insisted on the need for change in teaching methodology adopted by the mathematics teachers. Dr. S.Vaidhyasubramaniam, Dean-Planning and Development, SASTRA stressed that such workshops must be organised frequently. Shri. V.Tamilarasu, CEO, Thanjavur District who participated in the valedictory function appreciated the initiatives taken by SASTRA in organising the training programme. Dr. K. Kannan, Dean-School of Humanities and Sciences emphasized on the need for the introduction of Discrete Mathematics as a course for higher secondary schools.

In addition to the Resource Persons from the Dept. of School Education, Shri R. Ganapathy, Smt. D. Sarala, Shri S. Raman, faculty from the Dept. of Mathematics, SASTRA addressed various sessions.

JEE COACHING @ SASTRA

An Entrance Examination was conducted on July 20, 2014 at the Main Campus, Thanjavur and Srinivasa Ramanujan Centre, Kumbakonam to shortlist the students for the Free Coaching offered by SASTRA for the JEE Main Exam. 30 students were selected from the 643 students who appeared for the entrance exam. The weekend classes, started on August 16, 2014, is offered to the +1 students for 18 months. The classes are being conducted in collaboration with Prof. K.K. Anand's 'SMART' Academy, Chennai.

Classes are also underway for the first batch of 34 students, which commenced in August 2013. SASTRA spends Rs. 40 lakh per batch.

SASTRA FACULTY'S PAPER EMERGES MOST DOWNLOADED ARTICLE



Dr. G. Hariharan, Assistant Professor-III/Mathematics/SHS published a review article entitled “Review of wavelet methods for the solution of reaction-diffusion problems in science and engineering” in the journal Applied Mathematical Modelling-Volume 38, Issue 3 (2014). The paper has emerged as one of the SCIENCE DIRECT TOP 25 LIST OF MOST DOWNLOADED ARTICLES, ranked 8th on the TOP 25 for Applied Mathematical Modelling from January to March 2014. Dr.K.Kannan, Dean/SHS is the co-author of the paper.

Another paper co-authored by Dr. K.Kannan titled ‘A COMPUTATIONAL MODEL FOR ENHANCING RECOMBINANT PENICILLIN GACYLASE PRODUCTION FROM ESCHERICHIA COLI DH5A COMPUTATIONAL BIOLOGY AND CHEMISTRY - VOLUME 46’ has also emerged as Science Direct Top 25 List of Most Downloaded Articles Ranked 8th on The Top 25 for Computational Biology and Chemistry – July to September 2013.

SASTRA RULES AT NIT'S FESTEMBER'14

It was SASTRA all the way right from start to finish at Festember'14, a national level cultural competition for colleges and professional organizations organised by NIT, Trichirapalli. SASTRA University's cultural team walked away with the Illayaraaja overall shield for the record 14th time in the last 17 years that it had participated in Festember. “This is a record that can be



beaten only by SASTRA,” said Chi. Aditya Durai, Cultural Coordinator of SASTRA University. More than 60 teams participated in

this 3-day cultural festival that was conducted between September 26 -28, 2014. SASTRA won prizes in almost every event it participated and emerged clear overall leaders in Music, Arts, English, Hindi, Tamil literary events pushing GCT College, Coimbatore to a distant second. The management of SASTRA congratulates the winning team.

LAURELS IN SPORTS



A team of four students from School of Law - E.G. Hem Naag Indiran IV B.Com.L.L.B., Adarsh, S, IV B.A.L.L.B., Rishi II B.Com L.L.B. and

Samson I B.Com.L.L.B - won gold medal in the Chess event at Spiritus, the national level sports meet held by National Law School, Bangalore from August 27 to 29, 2014. Siddharth, K, III B.A.L.L.B. secured bronze medal in shot put.

FIRMA'14

II year MBA students participated in FIRMA'14 hosted by Heber Institute of Management, Trichy on 24th & 25th September, 2014. They won the Overall Champions Trophy. The team won first place in Stock War, Business Plan, Ad-Zap, IPL-Bidding and second place in Business Quiz. 32 institutions participated in the event.



VETERAN TEACHERS HONOURED ON TEACHERS DAY

SASTRA UNIVERSITY celebrated the Teachers Day at Srinivasa Ramanujan Centre, Kumbakonam on September 5, 2014. Nine veteran teachers, Shri G.Shanmugam (88), Shri S. Thangarajan, Shri V.Ananthapadmanaban. Shri S. Nagarajan (84), Shri R.Ramachandra Iyer (81), Shri V. Padmanaban (79), Shri V.Rajam (79), Smt. K.R.Savithiri (77) and Shri E.V.Balakrishnan (76) were honoured on the occasion with a silver cup and a shawl each.



The nine veteran teachers who were honoured by SASTRA

HEADMASTERS INTERACT WITH STUDENT TEACHERS

Retired Head Masters of high repute were invited by the School of Education at SRC to interact with the students of B.Ed. and M.A & M.Sc.B.Ed programme. Shri.R.Viswanathan of Town Hr. Sec. School, Kumbakonam shared his academic



and administrative experiences with the students on September 16, 2014. Shri.K.G. Krishnamoorthi, H.M. (Retd.) Banadurai Hr.Sec.School, Kumbakonam visited the campus on September 19, 2014. He appealed to the student teachers



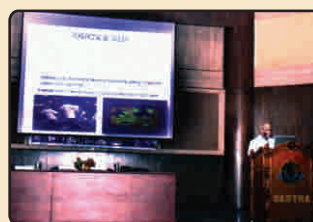
to be kind and gentle in their approach to the students. Shri. G.Venkatraman of Native Hr.Sec. School, Kumbakonam interacted with the students on September 30. He spoke on the various personal and professional traits that go into the making of a good teacher. Several questions were raised by the student teachers on all the three days and the veterans answered them convincingly. Such interactions by veteran teachers will be organised frequently by the school in future.



AWARD FOR SCHOOL STUDENTS

SASTRA University has instituted an annual award for improving the writing skills of school students. The award, carrying a cash prize of Rs.5,000 and a citation, has been instituted in memory of Shri T.V. Swaminatha Iyer, former Headmaster of Native Higher Secondary School, Kumbakonam. An essay writing competition in English will be held at Srinivasa Ramanujan Centre, Kumbakonam every year in the month of January/February for students of Plus Two from Schools in and around Kumbakonam. The winner of the contest will get the Swaminatha Iyer Memorial Award and his/her school will also get a financial support of Rs.5,000 for infrastructure upgrade. The award instituted this year was announced by Major A. Balasubramaniam, Principal, School of Education, during the Teachers' Day celebrations at SRC, Kumbakonam.

STUDENT ASSOCIATION ACTIVITIES AT SRC



The inauguration of GENE CHEM, the association of the Department of Chemistry & Biosciences was held on August 14, 2014 at SRC. Dr. R. Viruthagiri, Senior Pediatrician, Kumbakonam addressed the students on "Nutrition in Adolescence- Challenges and Solutions."



The activities of ELPOWER, the association for the students of EEE was inaugurated on 14th August 2014 by Shri.G. Karthikeyan, Divisional Engineer, 230 KV Substation, Kadalangudi.

Shri Sreenivasan, Private Secretary to Lieutenant-Governor, Puducherry inaugurated the activities of COM - MAN Forum, of Dept. of Commerce and Management Studies on August 14, 2014.



Dr. T. R. Sivaramakrishnan, Former Dean, Research SASTRA inaugurated the ExACT association on July 25, 2014 and spoke on Evolution & Development of Information Technology."

A student workshop on “Visual Master” was organized by the association on 23rd August 2014. The workshop featured exciting insights into graphics processing and video editing. Hands on training were provided using the tools: Adobe Premiere and Adobe After Effects. Another workshop on “Insight into Network Simulator – 2” was conducted by Prof. H Manikandan, Assistant Professor, Department of Computer Science and Engineering on 13th September 2014. A lecture on “Component Programming and Service Oriented Architecture” was delivered by Dr. D Ravindran, Dean, School of Computing, St. Joseph's College, Tiruchirappalli, on 13th September 2014. The lecture provided useful insight into component designing and web architecture for large scale applications. It served as the platform for learning the upcoming trends in web technology.

The students wing of the Computer Society of India (CSI) at SRC organised a FLASH MX workshop on August 23, 2014. The workshop provided the students with animation tips and tricks. Prof.C. Bharathy, School of Computing, SASTRA University, Thanjavur served as resource person. Baseeth of III BCA got the best performer award in the software usage contest. Dr. V.S. Shankar Sriram of Department of Information Technology, School of Computing, SASTRA delivered a lecture on I.T – Best Practices on August 1, 2014.



Software Freedom Day

'Software Freedom Day' was observed by the S FOSS Association on September 26, 2014. Shri Alagunambi Welkin, President, Free Software Foundation, Tamil Nadu delivered a lecture on Free Software in Education and Industry. 56 Students in 28 groups participated in EXPO 2014 organised by the association and demonstrated their applications developed by open source software tools. The top three groups were awarded prizes.



'Kalamalika,' the cultural association of Srinivasa Ramanujan Centre, was inaugurated for the academic year 2013 - 2014 on September 8, 2014.

Pulavar K. Gnana Sundaram inaugurated Pothigai Tamil Mandram on September 11, 2014 and spoke on “Management skills in Bharathiyar's works”.

NCC & NSS ACTIVITIES

The NCC and NSS Units of SRC participated in the World Cleanliness Awareness Rally conducted on 19th September 2014 by Tiruchirappalli Railway Division. Smt. Manjula Rangarajan, Manager, Tiruchirappalli Railway Division headed the Rally.

The NSS wings at SRC organized Population Day Awareness Rally on July 11, 2014. Shri Govinda Rao, Sub-Collector inaugurated the rally. Three teams of the NSS Units participated in the temple cleaning drive held at Sri Uppiliappan temple three times in July-September 2014.

A Blood Donation Camp was organized by the NSS units in collaboration with Kaali Blood Bank in July 2014. 122 units of blood were donated by the students on that day and 200 students got their blood group identified. Dr Subbulakshmi, Retd. Medical Officer, Thanjavur Medical College conducted the camp.

LAURELS IN CULTURALS

The members of KALAMALIKA who participated in Festember '14 organized by NIT, Trichy from September 26 to 28 2014 won many prizes. K.Radhika of III ECE won 1st prize in Carnatic Music-Vocal and Carnatic Music Quiz. G. Prem Krishnan of II B.Com won the first prize in Carnatic Music-Instrumental. S.Sriram of II ECE won the third prize in Tamil Debate. Selvan Thiruvassagam of II ECE won the third prize in Tamil Poetry. The team has won a cash award of Rs.9,000.

LAURELS IN SPORTS

The SRC Shuttle Badminton team - S. Roopavathi II B.Tech. C.S.E., A. Arthi II B.Tech. C.S.E. and R.Swathi II B.Tech E.C.E. have secured the First Place in SPORTIVA'14 Sports fest held at Parisutham Institute of Technology & Science, Thanjavur on September 19, 2014 and have won the cash award of Rs.2000.

G.Santhoshkumar of I BCA secured the First Place in open weight category and Third place in 69kgs weight category in 17th South Zone Taekwondo championship - 2014 organised by Kanchi Taekwondo Association of Tamilnadu, held from September 26-28, 2014.

SNIPPETS FROM SHANMUGHA POLYTECHNIC COLLEGE

BLOOD DONATION CAMP



A Blood donation camp was organized at Shanmugha Polytechnic College on September 11, 2014. Shri R.Chandramouli, Principal inaugurated

the camp. Dr. Radhikha Michael, Thanjavur Medical College Hospital and a team of doctors collected blood. About 200 NSS volunteers donated blood. Mr. Ramanathan, President, Rotary Club presided over. The camp was organized by Shri P. Balasubramanian, NSS Programme Officer.

NSS DAY CELEBRATIONS

The NSS Day was celebrated by the NSS units of Shanmugha Polytechnic College on September 24, 2014. Dr. C.R. Suribabu, Professor, School of Civil Engineering, SASTRA delivered a lecture on 'Rain Water Harvesting.'



LAURELS IN BASKET BALL



At the IPAA Thanjavur division Basketball tournament held at Sudharsan Polytechnic, Sathiamangalam, Pudukkottai District the Shanmugha

Polytechnic team won P.C.C.P. Vallam and Royal Polytechnic, Kulathur and Sudharshan Polytechnic in the finals and received the trophy for the eighth time in succession.

Book-Post



SASTRA
ENGINEERING • MANAGEMENT • LAW • SCIENCES • HUMANITIES • EDUCATION
UNIVERSITY
(A UNIVERSITY U/S 3 OF THE UGC ACT, 1956)

THANJAVUR - 613 401.
TAMIL NADU

EDITORIAL BOARD

Dr. S. Vaidhyasubramaniam	Dean, Planning & Development
Dr. S. Swaminathan	Dean, (SR) & Director (CeNTAB)
Dr. M. Vijayalakshmi	Associate Dean, SCBT
Dr. G. Venkatraman	Department of English
Dr. R. Ravi	Department of English

ITIHAS can also be viewed at www.sastra.edu

A Quarterly Newsletter published by SASTRA University, Thanjavur - 613 401, Tamil Nadu
Ph: +91 4362 264101 - 108, 304000 - 29, Fax:+ 91 4362 264120, URL: www.sastra.edu.

Printed at : PGK ARTS, No.21, Kasiviswanathar East Street, Kumbakonam - 612 001. Ph : 0435 2420323.