‘Amala Bharatham’ - the Cleanliness Drive
1st September, 2013

Onam Celebrations
7th September, 2013

‘Teachers’ Day’ Celebrations
7th September, 2013

‘Joy of Giving’
21st September, 2013

Organ Donation Camp
18th September, 2013
‘Amritavarsham 60’ - AMMA’s 60th Birthday Celebrations

‘Amala Bharatham’ - the Cleanliness Drive

On 1st September 2013, the School organized a large scale Cleanliness Drive as a part of ‘Amala Bharatam Campaign’ to commemorate the 60th Birthday Celebrations of our beloved ‘AMMA’ (Amritavarsham’60). More than 900 students, faculty members and staff members from Amrita Vishwa Vidyapeetham, Bengaluru campus, Amrita Vidyalayam and the devotees from the Math joined hands with Bruhut Bengaluru Mahanagara Palike (BBMP) officials to clean-up the Krishna Rajendra Market and the surrounding lanes. The event began around 8 AM and went on till 11.30 AM. Team work triumphed, as huge amount of garbage was cleared within a short span of time. At around 12 noon a function was organized at ‘Dr. Rajkumar Glass house’, located in the BBMP premises. The dignitaries and officials who were a part of this event were Poojya Swami Amritageetananda Puri, Honorable Justice Dr. Y. Bhaskar Rao, Karnataka Lokayuktha accompanied by his wife Mrs. Aruna Bhaskar Rao, Mr. M. Lakshminarayana, BBMP Commissioner, Mr. Syed Riyazathullah, Lokayuktha, Correspondent Br. Dhanraj Swamy and Associate Dean Dr. Rakesh S.G.

A ‘Ratha Yathra’ was flagged off by Dr. Y. Bhaskar Rao, where in a huge ‘Ratha’ encasing large sized banners and boards of “Amritavarsham’60” and Amma’s Life messages were displayed. The Ratha Yathra started from the BBMP premises, went through Richmond circle, Adugodi, Kormangala and finally reached Amrita School of Engineering by the evening. The same evening, the School had also organized ‘Annadaanam’ at a nearby orphanage. The activities of the complete day seemed like a ‘GIFT’ to the divine mother on her 60th Birthday from her beloved children.
As a part of “Amritavarsham’60”, AMMA’s 60th birthday celebrations, the School organized ‘Joy of Giving’ on 18th September, 2013. Every year, the school sets aside a day for the housekeeping, security and other working staff of the college. Food, clothes and other necessary items like utensils and groceries were distributed among the staff.

Organ Donation Camp

On 21st September 2013, over 1000 students and staff members pledged their organs as a part of Organ Donation held in the School in association with ZCCK, the Zonal Coordination Committee of Karnataka for Transplantation. The programme was inaugurated by Chief Guests Mr. Sunil Kumar C.N., COO, Narayana Hrudayalaya and Ms. Jency Antony, Chief Coordinator, ZCCK. They spoke about the need and importance of organ donation, post which the staff members and students signed up the pledge cards. This camp was also organized as part of “Amritavarsham’60”, AMMA’S 60th birthday celebrations.
‘Sapling Plantation’

21\textsuperscript{st} September, 2013 also saw ‘Prakriti’, the Environmental Club of the school organizing a plantation drive where over a hundred saplings were planted in & around the school campus by both the staff members and students led by Correspondent Br. Dhanraj Swamy and Associate Dean Dr. Rakesh S.G.

‘Onam Celebrations’

The School celebrated ‘Onam’ on 7\textsuperscript{th} September, 2013. This day saw conduct of various cultural programs like music and dance. ‘Pookalam’, the traditional flower design welcomed everyone followed by the ‘Panchavaadhyam’, a performance with drums. The traditional Onam lunch - ‘Sadhya’ was also served in the school mess. Events like tug of war, musical chair, jump & bite were organized for the staff members on the eve of Onam.
‘Teachers’ Day Celebrations’

‘Teachers’ Day’ was celebrated in the campus on 7th September, 2013 with great enthusiasm. The teachers put forward their creative side which was unknown to many. Various programmes like songs, dances and drama were presented by the teachers, which were enjoyed by one and all.

‘Music Classes’

‘Raaga’, the Music Club of the School started conducting vocal training sessions for the students and staff members from 18th September, 2013. Over 20 students and some faculty members have signed up for the training in carnatic music. The classes are conducted by Ms. Sai Geetha of Shankar Mahadevan Academy of Music.

‘Photo Walk’

‘Smriti’, the Photography Club of the school organized a photo walk to the nearby Kaikondrahalli Lake, which saw a participation of 30 students.
‘Quantum Quest’ organized by ‘Sankhya’, the Mathematics Club in collaboration with ECIF - the ECE departmental forum was held on 23rd August 2013, in the School.

‘Quantum Quest’ is a game which is very much similar to the traditional Laser Tag, but in this game we use IR Sources and Detectors instead of Laser which is harmful to our eyes. This event was organized in order to create interest in electronics and to stress upon the mathematical concepts involving circuit designing, besides being a fun event. A total of 43 B.Tech. students participated in the event wherein 11 matches were held. The winner of each match was given a cash prize of Rs.100/-.
‘Academic Center’ status

Amrita School of Engineering, Bengaluru has obtained the ‘ACADEMIC CENTER’ Status for ‘SELF’ (Spoken Tutorial based Education and Learning through Free FOSS study) which is an initiative of the ‘Talk to a Teacher’ activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India.

The first workshop in the series was held on ‘SCILAB’ on 28th August, 2013 and was organized by Mr. R. Pramod, Assistant Professor, Department of Mechanical Engineering. The target group was students from S5 of Mechanical Engineering and students from M.Tech. Around 50 students benefitted from this event.

The second workshop in the series was also on ‘SCILAB’ and was held on 20th September, 2013. The workshop was attended by around 35 participants who were M.Tech. students, Research Scholars and faculty members. The workshop was organized by Mr. R. Pramod and was co-ordinated by Dr. Neetu Srivastava, Assistant Professor from the Department of Mathematics.
Mr. Aniruddha Bhattacharjya:

- has reviewed three papers for IEEE 2nd International Conference on “Advanced Computing, Networking and Security - ADCONS ’13”, to be held at NITK Surathkal, India from 15th -17th December, 2013.
- has reviewed four articles for the IEEE Technology and Engineering Education magazine.
- has reviewed two papers for the IEEE Conference “Recent Advances in Intelligent Computational Systems (RAICS-2013)” to be held in Mascot Hotel, Trivandrum, Kerala, India from 19th -21st December, 2013.
- has reviewed a paper for the IEEE Sensors Journal.
- was one of the judges of the event ‘inGenius 2013’ a 24 hour hackathon event organized by PESIT, Bangalore South Campus and ACM India on 21st and 22nd September, 2013.
- was the Technical Programme Committee Member of the 4th IEEE workshop on “Fiber Optics in Access Network/Short Distance Fiber Optics - FOAN2013” that was held on 11th and 12th September 2013, in Almaty, Kazakhstan. This workshop was colocated with ICUMT 2013.
- was the Program Committee Member of the IEEE Second International Conference on Informatics & Applications (ICIA 2013) that was held in Lodz, Poland held between 23rd & 25th September, 2013.
- was the International Advisory & Program Committee Member of the 2013 IEEE International Computer Science and Engineering Conference, Bangkok, Thailand that was held between 4th & 6th September, 2013.
- was the International Program Committee Member of the IEEE Second International Conference on E-Learning and E-Technologies in Education (ICEEE2013) which was held at Lodz University of Technology, Poland, held between 23rd & 25th September, 2013.
- was chosen as an Editorial Board Member for Research & Reviews: Journal of Embedded System & Applications (RRJoESA).
Ms. Tripty Singh:

- has reviewed four research papers for AEECT 2013 : The Second IEEE Jordan Conference on “Applied Electrical Engineering and Computing Technologies 2013” to be held between 3\textsuperscript{rd} & 5\textsuperscript{th} December, 2013 at The University of Jordan, Amman, Jordan.
- was chosen as Technical Program Chair for International Conference on “Business, Engineering and Industrial Applications (ISBEIA 2013)” that was held between 22\textsuperscript{nd} & 25\textsuperscript{th} September 2013 at Kuching, Malaysia.
- was the Technical Program Chair for InCIEC 2013 International Civil and Infrastructure Engineering Conference held between 22\textsuperscript{nd} & 24\textsuperscript{th} September, 2013 at Kuching, Sarawak Malaysia.

Mr. N. Rakesh has reviewed a paper for Journal of Computer Technology and Applications (JoCTA).

Other News

Mr. Bharath Karur joined the Department on 23\textsuperscript{rd} September, 2013 as Assistant Professor (Senior Grade). He holds an Engineering Degree in Computer Science from PESIT Bengaluru and a Masters degree in Information Technology from University of Western Sydney, Napean, Australia with a specialized Research on ‘Network Security in Credit Card Payments’. This specialization was carried out under the guidance of Dr. Vijay Varadharajan (Professor & Microsoft Chair in Innovation in Computing, Macquarie University). He has around 17 Years of experience in the IT industry, working across different geographies, engaging and delivering across various domains. His last engagement was in the role of ‘Technology Consultant’ at a start up on Finance and Communication Business for two years in Bengaluru and prior to that a stint of 9+ Years in Collaboration Computing at Cisco as the ‘IT Delivery Head’.
FACE- the departmental forum organized the ‘Google Android Workshop’ on 22nd September, 2013 in the campus. The workshop was conducted by Bangalore Android Users Group and Google Developers Group. The event which was open to students of all the B.Tech. programmes saw a good participation. Around 200 students participated in the event. The aim of this workshop was to introduce the students to Android Technology starting from the basic theory of how Android is implemented on systems to the development of live basic application. The speakers of the workshop were Mr. Aman Alam, Mr. Shubham Goyal and Mr. Sundeep Chowdary.
### Papers Published

**NAME** | **TITLE** | **NAME OF THE ORGANIZER** | **DATE** | **VENUE**  
--- | --- | --- | --- | ---  
Mr. Ganapathi Hegde  
Mr. G. Hemanth Kumar  
Mr. Swaminathan R. | One Day National Level Faculty Development Workshop on “Latex and its Documentation for Research Scholars” | Department of CSE, HKBKCE Bengaluru, in association with VTU-Belgaum, Karnataka and the CSI-Bengaluru Chapter @HKBKCE Campus | 14th September, 2013 | HKBK College of Engineering, Bengaluru  

### Faculty Achievements / Participation / Recognition

⇒ Dr. Shikha Tripathi:

- has reviewed a paper for International Journal on Circuits, Systems & Signal Processing by Springer. The Journal is indexed in SCOPUS with impact factor of 0.982.
- has evaluated a thesis for M.Sc. (Engg.) by research titled ‘Cognitive Radio for Civil Aircraft Communication’ submitted to VTU, Belgaum.

⇒ The profile of Dr. Shikha Tripathi has been included in “Marquis Who’s Who in the World 2014”, 31st Edition by Marquis Who’s Who Publications, USA. This edition features biographies of more than 55,000 of the most accomplished men and women from around the globe and across all fields.

⇒ Dr. Dhanesh G. Kurup and Mr. Alok Kumar Jha have been selected as ‘Principal Course Developer’ and ‘Co-developer’ respectively in the prestigious National Pedagogy Project, titled 'Telecom Transmission and Switching'. This is one of the seven courses selected from Amrita Vishwa Vidyapeetham for the National Pedagogy Project.

⇒ On 21st September 2013, Prof. Braj Bhushan Jha delivered a talk on "Cyber Security in Armed Forces' Networks - Vulnerabilities and Initiatives" at a Symposium on "Cyber Defence" held on 20th and 21st September, 2013 at Amrita School of Engineering, Ettimadai.
Mr. B. Sagar participated in a two-day International Summit of renowned Scientists, Social-Leaders, Academicians, Entrepreneurs and Administrators titled “Our Villages - Our World: What Can We Offer?”, on 25th and 26th September, 2013 at Amrita School of Engineering, Amritapuri, Kerala. The summit was organized by Mata Amritanandamayi Math on the occasion of “Amritavarsham’60”, AMMA’S 60th Birthday celebrations.
Faculty Achievements / Participation / Recognition

⇒ Mr. K. Deepa chaired a technical session for ‘MILAGRO’, a one-day National Level Technical Symposium for engineering students, organized by Department of EEE, Shirdi Sai Engineering College, Anekal, Bengaluru on 26th September, 2013.

Forum Activities

‘VIDYUTH’ - the EEE Departmental Forum organized:

* a talk on ‘Trends in VLSI-IC Development’ by Mr. Sai Krishna Mopuri, Senior Manager, Product & Test Engineering, Analog Devices on 18th September, 2013 in Amriteswari Hall. The seminar was the third event organized by the forum for the students of the circuit branches of both B.Tech. and M.Tech. The speaker enlightened the students with the knowledge perceived by him during his 20 long years of experience. He discussed the statistics about the growth of semiconductor industry, VLSI development flow which includes market survey, develop system, IC specification development, select technology, verification, layout, IC fabrication, IC assembly, production and finally its release in the market. He also discussed the challenges in VLSI testing and future trends which was an eye-opener to the students who are looking out for a career in VLSI.
Papers Presented

National Conference

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<th>NAME</th>
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<tbody>
<tr>
<td>Ms. Mrudula Prashanth</td>
<td>“On The Effect of Retrogression and Reaging Treatment on Properties of 7010 Aluminium Alloy forgings”</td>
<td>27th &amp; 28th September, 2013</td>
<td>National Conference on ‘Challenges in Research and Technology in the coming decades” at Sree Dharmasthala Manjunatheshwara Institute of Technology, Ujire-574240</td>
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Workshops / Seminars / Conferences Organized

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<tr>
<td>Mr. R. Pramod</td>
<td>Workshop on ‘SCILAB’</td>
<td>20th September, 2013</td>
<td>Embedded Systems Lab, Amrita School of Engineering, Bengaluru</td>
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Workshops / Seminars / Conferences Attended

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<tr>
<td>Mr. B.N.Prashanth</td>
<td>One day FDP on ‘Industry Academia Interaction meet - PRERNA 2013’</td>
<td>EDS Technologies &amp; M.S.Ramaiah Institute of Technology</td>
<td>26th September, 2013</td>
<td>M.S. Ramaiah Institute of Technology, Bengaluru</td>
</tr>
<tr>
<td>Mr. R. Pramod</td>
<td>One week Coordinator’s workshop on ‘Engineering Mechanics’</td>
<td>e-Outreach project of IIT Bombay under the National Mission on Education.</td>
<td>16th - 20th September, 2013</td>
<td>IIT Bombay</td>
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Dr. K.V. Nagaraja reviewed the following journal papers:

- for The Scientific World Journal (Indexed in Scopus, IF: 1.7), during September, 2013:
  i. “Note on Identification Problems for Delay Parabolic Equations”
  ii. “On Harmonic Meromorphic Functions Associated with Basic Hypergeometric functions”
  iii. “Symmetry analysis for Relativistic imperfect fluid flow with Electric Field”
- “Symmetric Quadrature Rules for Simplexes Based on Sphere Closed Packed Lattice Arrangements” for the Journal of Computational and Applied Mathematics (Elsevier, Indexed in Scopus, IF: 1.0), on 4th September, 2013.
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<th>NAME OF THE JOURNAL</th>
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Nanocomposite solid polymer electrolytes (NCSPEs) with conducting species other than Li ions are being investigated for solid-state battery applications. Pristine solid polymer electrolytes (SPEs) do not show ionic conductivity suitable for batteries. Addition of inert fillers to SPEs is known to enhance the ionic conductivity. In this paper, we present the role of silica nanoparticles in enhancing the ionic conductivity in NCSPEs with sodium as conducting species. Sodium bromide is complexed with the host polyethylene glycol polymer by solution cast method and silica nanoparticles (SiO2, average particle size 7 nm) are incorporated into the complex in small amounts. The composites are characterized by powder XRD and IR spectroscopy. Conductivity measurements are undertaken as a function of concentration of salt and also as a function of temperature using impedance spectroscopy. Addition of silica nanoparticles shows an enhancement in conductivity by 1–2 orders of magnitude. The results are discussed in terms of interaction of nanoparticles with the nonconducting anions.
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Associate Dean & Head
Chief Editor

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Department of Mathematics
Editor

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⇒ Mr. Shiju Kumar
   (ICTS)
Amma’s teachings on Spiritual practices

“Laughter is the music of the soul.”