Kriti

The E-Newsletter

Amrita School of Engineering
Bengaluru
If you plan on taking up spiritual life after fulfilling all your desires,
You are like the man who stands on the shore waiting for all the waves to subside before wading in.

-Amma
SCHOOL HIGHLIGHTS

Annadanam on the occasion of Ganesha Visarjan

On behalf of Mata Amritanandamayi Muth, the institute performed Annadanam for the people from nearby villages on 20\textsuperscript{th} August 2010. This was arranged as a part of a celebration to commemorate Ganesha Chathurthi. Br. Dhanraj Swami presided over the conduct of the program.

“Love sustains everything. Love is the foundation of the Universe.”-Amma
Discourse on ‘Practical Vedanta’ by Poojya Swami Amritageetanandapuri

Poojya Swami Amritageetanandapuri delivered a discourse on Practical Vedanta to the first year students from 21^{st} to 23^{rd} of August 2010.

In his talk, Swamiji highlighted the significance of the Guru and Gurumantra in leading a fulfilling life. He also spoke about importance and manner of meditation, by relating to the students his way of meditation. He said that one could meditate by focusing on one’s Idol in life as he does by focusing on Amma, who for him is an embodiment of infinite happiness, love and peace.
SCHOOL HIGHLIGHTS

Musical Evening @ Amrita

The students of Amrita School of Engineering and Amrita School of Business, Bengaluru, organized a nostalgic musical concert on 3rd September 2010. The show began with the blessings of the Lord sought through a prayer song. What added life to the event was the presence of eclectic performances. From the fast beat songs of "Rock on" to the frantic melodies of ‘Maa’ and ‘goonji si’, the artists added lot of passion to their work.

The most highlighted segment was the symphonies of the college bands, ‘Mental Link’ and ‘Distortion Culture’. Their beautifully played pieces with outward emotion made theirs a formidable performance.

Somebody has said, ‘Music washes away from the soul the dust of everyday life’. The truism of the statement was reflected from the faces of the many Amritians who turned up as audience.
Kriti SCHOOL HIGHLIGHTS

Kalakriti 2010- a Talent hunt

On 4th of September 2010, Amrita School of Engineering, Bengaluru, conducted Kalakriti’10, the annual talent hunt that brings together budding artists and student performers from diverse disciplines of art on one platform.

The idea behind Kalakriti was to identify and encourage new talent amongst the freshers. The student council, Amritadhara, put together a series of diverse and challenging competitions designed to test the skill, spontaneity, and showmanship of the participants.

The morning began with the inauguration of several new clubs intended to promote activities of student interest, and so, Amritadhara enveloped the clubs for Dance, Drama, Music, Photography, Press and the Vedanta.

One of the most anticipated events of the day was the event ‘Persona’ which ended with the crowning of Ms. Deepthy and Mr. Debraj Ghose as Miss and Mr. Talent. The crowd cheered on as dancers danced to popular tunes, and watched, enthralled as the drama group ‘The Post Modernist Neo Classical Minds’ put on a whacky mime.

Much needed fuel and relief was provided by the members of Prerana, who ran stalls that sold refreshments, Chinese delicacies, and discounted Levi’s jeans alike. Students grabbed a much needed break even as enthusiastic participants of the Road to Fame contest ran around gathering votes.

The day ended on a vibrant note with some spirited performances by some of the staff members, and our third years. This was followed by the valedictory ceremony, presided over by Associate Dean, Dr. Rakesh S. G.

“Develop selflessness and reduce your personal comforts as far as possible”- Amma
“The mental attitude of a person is transmitted in his actions” - Amma
SCHOOL HIGHLIGHTS

Sri Krishna Janmashtami Celebrations

ASE, Bengaluru rung in the festival of Krishna Janmashtami with a lot of gusto and fervor. The celebration of the birthday of this cherished god was carried out with great devotion and fun. Ancient traditions were relived, and ancient tales revisited.

The students of third year staged a play depicting various scenes from the saga of Lord Krishna. It ended with a wonderful Raas Leela, a song and dance sequence with Krishna and the gopikas. Some beautiful bhajans were sung by Anshul from the second year and a few others, which helped create a joyous yet peaceful atmosphere. At the end, students summarized the significance of the day by discussing the relevance of Krishna’s teaching to today’s world.

The next event that of the pot breaking ritual, gathered a lot of viewers and participants, for who can resist attempting to smash a pot laden with water hung high up above? Students formed the conventional human pyramid and made their way up to the handi eagerly. While the breaking of the handi portrays the playful attitude of the mischievous Lord Krishna, legend also speaks of the significance of this act—a symbolic release of the soul from the clutches of worldliness.

All in all, the celebrations were a unique and refreshing segue to the roots of Indian tradition, and a festive spirit, almost Brindavan-esque hung in the air.

“Children should be brought up with an understanding of their culture”- Amma
SCHOOL HIGHLIGHTS

“In the eyes of the spiritual aspirant all are different forms of God” - Amma
FIRA Robot World Cup and Congress’10 at Amrita

The university transformed into a hub of frenetic activity, playing host to the 15th International FIRA Robot World Cup and Congress held from 15th – 19th September, 2010. The Federation of International Robotsooccer Association (FIRA), headed by Dr. Kim Jong, and by Dr. Prahlad Vadakkepat in India, is a nonprofit organization that organizes international robotic competitions around the globe annually. It was a matter of huge pride that for the first time in its history, FIRA organized its Robot World Cup and Congress on Indian soil and chose our institute as its venue. Forty five teams from 18 countries participated in this International event which was held in two segments: The FIRA Robot World Cup and Congress.

The first two days were entirely devoted to technical presentations and conferences by experts on emerging topics of interest in Robotics like Sensing, Path Planning, and Intelligence Technology. Day 3 and day 4 witnessed about 45 teams from as many as 10 different nations engaging in robotic sporting events with infectious intensity.

With a vision to inspire young minds, the event provided a perfect opportunity for the brightest minds in the world to put their technical ingenuity and creativity to test in diverse competitions, classified under three main categories: Humanoids, Wheeled Robots, and Simulations.

“Be loving and compassionate” - Amma
SCHOOL HIGHLIGHTS

The following teams emerged winners with stellar performances in the different categories. Technical University of Kosice (TUKE), Slovakia, were champions of the 11 -On- 11 and 5- On- 5 robot soccer sport-MiroSot, while Wuhan University, China, came first in SimuroSot, a simulation robot soccer game. In the limelight was the Huro Cup, which required the androids to perform a series of physical challenges. The winners’ list truly was one of international spirit, with different nations claiming victory as follows: Nanyang Polytechnic, Singapore (team CLIMBER for Weightlifting and team ROCKY for Wall Climbing), and National Cheng Kung University, Taiwan (Obstacle Run and Basketball). The Androsot winners were KAIST, Korea.

Since its advent in Amrita on September 15th, the FIRA Cup attracted myriad visitors from near and afar. The event was one of academic and technological interest as students from various schools and engineering colleges descended in droves to watch the competitions, while enthusiastic Amritians helped organize the events with great gusto and fervour.

FIRA also provided a platform for various Indian universities like IIT Kharagpur, BITS Pilani, CVR Andhra Pradesh and PESIT Bengaluru to compete against, and bond with students from all around the globe over a meal of skill, strategy, and their automated supermen, of course.
“Perform your actions with an attitude of worship” - Amma
SCHOOL HIGHLIGHTS

Innovation Cell at Amrita School of Engineering Bengaluru

Amrita Vishwa Vidyapeetam, School of Engineering- Bengaluru Campus and Mango Technologies Pvt. Ltd. have entered into a Memorandum of Understanding about the establishment of an Amrita Mango Innovation Cell at ASE Bengaluru.

Mango Technologies works towards designing and developing state-of- the- art mobile phone solutions catering to sectors like education, healthcare, insurance etc. They have done a pioneering work in the field of Mobile Operating Systems and User Interfaces. Amrita School of Engineering is engaged in the design of VSLI chips. It is running P.G. and Ph.D. programmes in this area.

This MoU, would ensure the development of a joint innovation program focused on mobile applications and allied solutions. The venture aims to inculcate innovative and entrepreneurial thinking in engineering students. The MoU was signed by Br. Dhanraj, on behalf of ASE and Mr. Sunil Maheshwari, CEO Mango Technologies.

“The smile that lights up a face brimming with love is the most beautiful in the entire world”- Amma
A Workshop on Handwriting Analysis

A Workshop on Handwriting Analysis and Grapho Therapy was conducted on 29th September by Rafullah Baig, Director of Handwriting Institute India Pvt. Ltd. and attended by faculty in large numbers.

Mr. Baig spoke about discovering once true personality, identifying strengths and weaknesses through a scientific analysis of one’s handwriting. A team that had accompanied him demonstrated handwriting analysis by analyzing some handwriting samples from the audience. The audience was impressed by the accuracy that these tests showed. He also introduced the therapeutic effect of Grapho Therapy.

ASE Bengaluru in 4th Intercampus Sports

Congratulations to the following ASE Bengaluru Teams for having won laurels in the recent concluded 4th Inter Campus Tournaments held at Ettimadi Campus, Coimbatore.

- BASKETBALL WOMEN - WINNERS
- TABLE TENNIS MEN - WINNERS
- CHESS WOMEN - WINNERS
- BASKETBALL MEN - RUNNER-UP
- TABLE TENNIS WOMEN - RUNNER-UP
- CHESS MEN - RUNNER-UP
- WEIGHT LIFTING & POWER LIFTING - OVER-ALL 2ND PLACE

"We need the innocence and humility of a child because only a child can grow" - Amma
SCHOOL HIGHLIGHTS

“Perform your actions with an attitude of worship” - Amma
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PAPER PRESENTED

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<td>Presented by:</td>
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<td>A. Swetha Priya</td>
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<td>Co-authored by:</td>
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<tr>
<td>A. Swetha Priya</td>
<td>Development of Process Control for Poly-Silicon CVD Reactor</td>
<td>19th-22nd August</td>
<td>International Conference on System Dynamics and Control (ICSDC-2010) organized by Department of Instrumentation &amp; Control Engineering, Manipal Institute of Technology, Manipal.</td>
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<td>S. Vinod Kumar</td>
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<td>2010</td>
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<td>Sibin K. Mathew (Students)</td>
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Guided by
Abhinav A. Kalamdani
(Working for Sunlux Technologies Ltd.) and
M. R. Karthikeyan

FACULTY ACHIEVEMENTS / PARTICIPATION / RECOGNITION

❖ Dr. P. R. Vaya has been invited to be a member of Advisory Committee of the ‘International Conference on Computer, Communication and Electrical Technology-ICCCET 2011’ to be held on 18th - 19th March 2011, at National College of Engineering, Tirunelveli, Tamilnadu, India.

❖ Dr. P. R. Vaya has been invited to be a part of the Advisory Committee for the National Conference on “Innovations in Emerging Technology- NCOIET’11” which will be held during February 2011. It is being organized by Kongu Engineering College, Perundurai.

“Children should be brought up with an understanding of their culture” - Amma
Dr. Shikha Tripathi attended a conference titled Amrita ACM-W celebration of “Women in Computing” at Amrita School of Engineering, Ettimadai, Coimbatore during 15th - 17th September 2010, as a resource person and judged the technical papers that were presented.

Dr. Shikha Tripathi attended Indo-Taiwan research meet on Embedded Systems at BITS, Pilani, Pilani campus during 24th - 25th September 2010, to explore possible collaboration with Taiwan universities to promote research on Embedded Systems in India.

OTHER NEWS

A talk by Mr. K. P. Singh, Mango Technologies, on Innovative Ideas in the field of ‘Mobile Communication & Wireless Technologies’ was held on 29th September 2010.

Senior students of the Department have taken up the task of conducting interactive sessions in two courses considered tough by students. The courses are Electromagnetic Theory and Signals & Systems. The classes are conducted in the evenings and Saturdays.
“Although the world has become closer through technology, we have not drawn closer in our hearts.” – Amma

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOPS / SEMINARS / CONFERENCES ATTENDED

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<td>Ms. Supriya M.</td>
<td>ACM Conference on Women in Computing</td>
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<td>Amrita Vishwa Vidyapeetham, Ettimadai</td>
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FACULTY ACHIEVEMENTS / PARTICIPATION / RECOGNITION

- Dr. T. S. B. Sudarshan attended and co-chaired a session on the Research Collaboration in Embedded System Design in Indo-Taiwan Research Meet on Nano, Micro Electronics and Embedded Systems held at BITS, Pilani during 24th to 25th September 2010.
- Dr. T. S. B. Sudarshan was the local organizing member of 15th FIRA Robo Soccer World Cup and Congress held during 14th to 19th September 2010 at ASE, Bangalore.

OTHER NEWS

- 17 students from 7th semester CSE and IT attended the ACM Conference on Women in Computing held during 16th to 17th September 2010 at ASE Coimbatore.
- Two students – Ms. Ramya Rajaraman (7th semester IT student) and Ms. S. Supraja (7th semester CSE student) have been awarded the “Best outgoing Girl Student Award” in the ACM Conference for Women in Computing 2010.
OTHER NEWS

FACE (Forum for Aspiring Computer Engineers) – CSE Forum organized the preliminary round of competition for ICPC Programming Contest 2010 on 15th September 2010.

“Wherever you are, you have to adapt to the circumstances. Patience is needed for every matter” - Amma
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

FACULTY ACHIEVEMENTS / PARTICIPATION / RECOGNITION

- Mr. K. Manickavasagam has been awarded Doctor of Philosophy (Ph.D.) from Madurai Kamaraj University, Tamil Nadu, for his thesis titled “Computational Intelligence Applications to Automatic Generation Control for Multi Area Power System”.

- Mr. Manickavasagam, Assistant Professor, has reviewed a research paper titled “New Methodology for Evaluating Optimal Pricing for Primary Regulation of Deregulated Power Systems Under Steady State” for the International Journal, IET Generation, Transmission & Distribution.

DEPARTMENT OF MECHANICAL ENGINEERING

WORKSHOPS / SEMINARS / CONFERENCES ATTENDED

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<tr>
<th>NAME</th>
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<td>Mr. Ravi Kiran K.</td>
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<tr>
<td>B. L. Bhaskar</td>
<td>A Facile and Rapid HPLC Method for the Determination of Atenolol in Pharmaceutical Formulations</td>
<td>September 2010</td>
<td>Asian Journal of Applied Sciences</td>
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<td>Anil Kumar S.</td>
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“Each kind word, each smiling face, each good action benefits our neighbors, our community and the world”
- Amma
NetRiders-10, the competition organized by Cisco Systems, provided an opportunity for Networking Academy students to participate in a valuable learning experience by testing students' Networking/IT skills through a series of online exams and simulation activities held at different levels. The team from Bengaluru campus consisting of Saurab Rai, Anirudh M. and G. S. Sai Kiran, that had qualified for the SAARC level competition, brought laurels for the institute by securing 5th position.

Saurabh Rai(VII, ECE), Anirudh M. M. (VII, EIE), Sai Kiran G. S.(VII, CSE)
Prof. Rakesh S.G.
Associate Dean
Patron

Ms. Smita Sail
Assistant Professor
Department of English
Editor-in-chief

Mr. Rajesh M.
Assistant Professor
Department of Computer Science and Engineering
Assistant Editor

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