

Synergy

The BME news hub

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CROWNING VICTORY – THE SCHNEIDER STORY

Second place in Schneider innovation challenge 2012.

Editorial

How many times have you heard the phrase “bigger and better” and thought it was clichéd? Honestly though, this edition is definitely “bigger and better”.

The past three months have brought with them many reasons to celebrate (yes, we are ignoring the semester exams) and this newsletter is just our way of reveling in them.

We have an interesting line up of articles, student and faculty achievements, conference details and a healthy dose of humour.

We also use this issue as an opportunity to wish everyone a fantastic 2013 and hope you are as eager as we are in welcoming the New Year!

Also hearty congratulations to all the achievers !

Compiling the newsletter has no doubt been great fun. They say the journey is more important than the destination. Another cliché? That’s ok. We will take the risk.

- Newsletter team

Article

4D Technology in lung imaging

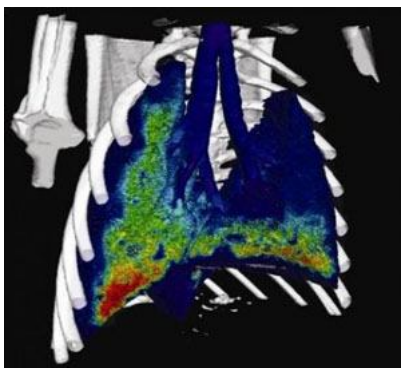


Mrs.M.Dhanalakshmi, Assistant professor at the BME department talks about the advent of 4D imaging techniques for use in lung imaging.

Engineers and medical researchers at Monash University in Australia have devised methods for creating images of human lungs that combine visual imaging with monitoring of lung functions. Their research is described online in the Journal of the Royal Society Interface.

The article's lead author, engineering postdoctoral fellow Stephen Dubsy, developed the technology that provides measurements of motion, expansion, and flow at every point in the lung during the breathing cycle. It makes use of a synchrotron, a football-sized machine that accelerates electrons to almost the speed of light. As the electrons are deflected through magnetic fields they create extremely bright light.

Dubsy and colleagues used the synchrotron near Melbourne, Australia to develop a high quality X-ray that can gather high-speed video of a breathing lung. The technology combines the ability of computed tomography (CT) scans to get detail of the lung's regions,



with the functions of spirometry that measures the quantity air inhaled and exhaled, as well as breathing speed. Spirometry is a common test for lung conditions such as asthma and chronic obstructive pulmonary disease (COPD).

The technology can help improve evaluation of respiratory conditions where alterations may occur in the compliance of lung, chest wall and diaphragmatic function, or airway flow patterns, particularly for diagnosing asthma, COPD, and related disorders. Further research is expected to allow translation of the technology to X-ray imaging hardware, to provide a new clinical capability for diagnosis and management of lung disease.

“The use of this technology will aid in the development and testing of new drugs and delivery methods,” says Andreas Fouras, research manager of Monash's Laboratory for Dynamic Imaging and the study's senior author, “while further development towards clinical application may lead to new pathways for the diagnosis and monitoring of treatments for a variety of lung diseases.”

Source: Science Business

Image: Monash University

Student achievements

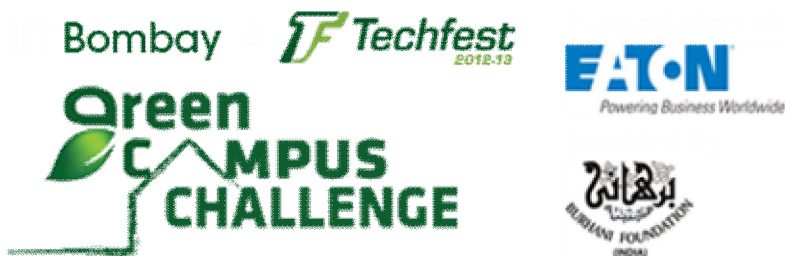
NI Educator's Day

Twelve students from the final year attended NI Educators Day 2012 organized by the National Instruments at the Chennai Trade Center and volunteered the event by helping the Application Engineers in explaining the exhibited projects



Green Campus Challenge

About twenty students from the department have been working actively for the **Green Campus Challenge** organized by the **Indian Institute of Technology, Bombay**. They have now secured the eighth place in the grand finale.



SSN Dance Team

Achudhan S.M and **Sruthy S** were a part of the SSN Dance Team N2K and were one of the finalists at the Nxx Campus Jive 2012 held in the month of November.



Green Initiative

Around 15 students from the department participated in the **Go Green rally to Thiruporur** in the month of October. The students marched their way, carrying slogans emphasizing the need for conservation.

The event was conducted with the support of NSS.



Student achievements

Best NSS volunteer award

Tharani R.C and Sheshank Srinivas from final year have secured the **Best NSS Volunteer Award** for the year 2012 among all affiliated colleges under Anna University, Chennai.



Sri Logeshwaran.R from final year presented a talk during the **Student Development Programme** for the 2nd and 3rd year students of Department of ECE, Paavai Engineering College to motivate them towards research and product development.



Logeshwaran.R and **Swetha.S** of final year have successfully developed a product **“JIG- A lung module analyzer (Aesthetic Labview Design)”** with all IEC and IEEE standards under the guidance of Mr.Pragadheeswaran, CEO, Aries Biomed Technologies.

Student achievements

Internal funding grants

The following projects were shortlisted for grant of internal funding

1. **“A smart belt with voice assistance-an assisting device for the visually impaired”** by Utthara, Renita.A, Nidarshana of final year under the guidance of Miss R.Nithya.
2. **“Screening of Diabetes using Foot Resistance”** by Ayesha Samreen, Deepthi.G, Mythili.S of Final year under the guidance of Dr.R.Subashini.
3. **“Pacemaker failure detection using GSM module”** by Aishhwaryapriya.E.V, Sivisa, Manibala.M of final year under the guidance of Dr.S.Subhashini.
4. **“LED Photo Therapy”** by Sri Logeshwaran R. of final year, Nambirajan of second year, Deva of second year under the guidance of Dr.S.Pravin Kumar.
5. **“Solar BP”** by Saran raj of final year, Kuldeep S of second year, Hemnath of second year under the guidance of Dr.S.Pravin Kumar.
6. **“Arduino based Braille Interface for Visually Challenged People”** by E.Arun, B.Abisekh, Sanjay Romero D' Sami of third year under the guidance of Dr V. Mahesh.
7. **“Capacitive Lung flow and Volume Measurement”** by G.Santhosh, T.Sasikala and Lavanya Jagannathan of third year under the guidance of Dr. V. Mahesh.
8. **“EEG-based drowsiness detection system for safety driving”** by Deepak.N, Ganesh Kumar.K & Fareesha Fathima.M of Final Year under the guidance of Mrs. B. Geethanjali.

Campus Placements

As a part of the Campus Placement program, two giants from the Information Technology sector—**Cognizant and Infosys** have recruited about 30 students from the final year. Students went through an aptitude test round followed by the personal interview which tested the students' programming and communication skills.



Akshaya.H
Nidarshana R.G
Ramya.R
Swetha. S



Cognizant

Akshaya. H
Srikanth.M
Sabariya.M
Renita.A
Manoj.M
Reneta.B
Swetha.S
Navathej.G
Swetha.P
Sruthy.S
Sivisa.M
Tharani.R C
Madhu Bala.S
Fareesha Fathima

Anbarasi. R
Archana.J
Ponmalar.S
Anjugam.A
Sai dayanandh. A
Lakshmi.A
Harshitha.R
Asha PriyaDharshini
Ramya.R
Aishhwaryapriya.E
Rama C
Ayesha Samreen
Nidarshana R G
Vishnu Priya K

Crowning Victory – The Schneider Story

Schneider Electric India Innovation Challenge 2012

Every year Schneider-Electric India conducts Innovation Challenge Award, this year's theme was Smart Living. This contest is open to under-graduates of all engineering streams from same or different colleges. There were 436 entries from various Engineering colleges including the IIT's and among those 25 teams were shortlisted. In that shortlist , 2 teams were from our department.

The projects were “**Power guardian** “ by **R.Rajesh , A.Suriya kumar and J. Rajashree** and “**Optimized Switch Control for Elder and Disabled Patient Using EEG**” by **Deepak.N, Ganesh Kumar K, Vignesh S M and Fareesha Fathima M.**

S. No.	IC Code	Title	College	Participants			
1	IC-01004	H.E.R.O. Heat Enabled Reverse Osmosis	SARDAR PATEL INSTITUTE OF TECHNOLOGY	Yash S Goliga			
2	IC-02008	Smart Phone Operated Intelligent Eco-Friendly Window	SJCE, Mysore & NIE, Mysore	Nishanth Bhat	Kuldeep Kumar	Pratheek M	Chetan B M
3	IC-02027	Smart Windows and Ventilation System in residential houses	VIT UNIVERSITY	L Sree Harsha	Lokesh Agarwal		
4	IC-03052	AUTOMATIC PRESSURISED HOME TOILET FLUSHING SYSTEM	KONGU ENGINEERING COLLEGE	S Mohamed Ashiq	K Karthikeyan	S Karthikeyan	P Seenivasan
5	IC-03065	Self-Learning Home Energy Optimization Assistant	IIT Roorkee	Nimit Jain	Gautam Kishore	Abhishek Ambastha	
6	IC-03126	Home-based energy source Product name - "Reservoir"	IT Kharagpur	Shah Rohit	Naveen T	Adyasha Maharana	
7	IC-03230	MACRO ENERGY REVOLUTION	AMRITA SCHOOL OF ENGINEERING	P Vaishnavi	Yidgashree S	Roopasree K	Shrishti
8	IC-03251	SETSUDEN - AI BASED POWER SAVING SYSTEMS	SRM UNIVERSITY	Shashank H S	Ashwin Arjun	Rishab Bagani	
9	IC-03258	LATCH ACTUATED MECHANICAL CIRCUIT BREAKER (LAMCB)	Sardar Vallabhbhai National Institute of Technology	Aakash Khatri	Ashok Jangid	Jagrat Janiwala	Yuzuf Burwala
10	IC-04169	Vortex Induced Vibrations for Green Energy	SJCE, Mysore	M Ashraj Gururaja	K Manasa Rao	Raj Vijay Karan	
11	IC-04276	DROID Energy Manager	IIT Kanpur	Akhil Lohia	Siddhant Mathur	Rahul Agrawal	Sagan Das
12	IC-04289	Hybrid Solar Panel	IIT, Delhi	Vivek Mangal	Indra Bhushan	Sourav Sinha	Umang Gupta
13	IC-04320	Smart App for Smart People	Indian School of Mines, Dhanbad	Manan Temani	Rahul Ola	Madhuri Suthar	Parul Pannu
14	IC-07467	Sharing and balancement of grid power demand by renewable sources	NIT Trichy	Surendhar S	Ranjith Kumar S		
15	IC-03211	Efficient electrical power consumption for home appliances	IIT Madras	K Nitish Kumar	Praknath P	Chitra K R	Shiv Kumar Agar
16	IC-04342	Intelligent Home Automation using Digital Image Processing	Sree Chitra College Of Engineering	Sarath Chandran Thampi S	Sreevishnu S	Sreejith SP	Rahul Rawendra
17	IC-03074	Smart Mail Box	SJCE, Mysore & NIE, Mysore	Nishanth Bhat	Kuldeep Kumar	Pratheek M	Chetan B M
18	IC03080	SMART WATER SPRINKLER	VIT University	Dhanush HN	Nakul Birla	Jasmeen Patel	Parush Gupta
19	IC-03092	POWER GENERATION IN HOME USING DOOR MOVEMENT	KONGU ENGINEERING COLLEGE	S Mohamed Ashiq	K Karthikeyan	S Karthikeyan	P Seenivasan
20	IC-03165	Automatic linear n twist	NIT,TRICHY	S.Anitoodh	L Aravamuthan		
21	IC-03245	Drainage Generator	C.O.E.P.	Vishrut B. Sinha			
22	IC-04186	Optimized Switch Control for Elder and Disabled Patient Using EEG	SSN College Of Engineering	Deepak.N	Hemanth J Rathod	Nitesh N Sonavane	
23	IC-04262	POWER GUARDIAN	SSN College Of Engineering	R.Rajesh	Ganesh Kumar K	Vignesh S M	Fareesha Fathim
24	IC-04419	RECYCLABLE WASTE HEAT WITH SOLAR ENERGY	NIT Trichy	Parakh Gupta	A SuryaKumar	J.Rajashree	
25	IC-04422	Hum jaha pe kadam rakhate hai "LIGHT" wahi se shuru hoti hai	C.O.E.P.	Rucha Mulaj	Pradnya Patil	Tanvi Ajanthivale	Pagal Dhandare

Of the 2, the project titled “Optimized Switch Control for Elder and Disabled Patient Using EEG” by **Deepak.N, Ganesh Kumar K, Vignesh S M, Fareesha Fathima M** was shortlisted among top 10 teams. Schneider-Electric India provided a financial grant of fifteen thousand rupees for procuring the components for the selected teams.

S. No.	IC Code	Title	College	Participants			
2	IC-02008	Smart Phone Operated Intelligent Eco-Friendly Window	SICE, Mysore & NIE, Mysore	Nishanth Bhat	Kuldeep Kumar	Pratheek M	Chetan B M
4	IC-03052	AUTOMATIC PRESSURISED HOME TOILET FLUSHING SYSTEM	KONGU ENGINEERING COLLEGE	S Mohamed Ashiq	K Karthikeyan	S Karthikeyan	P Seenivasan
5	IC-03065	Self-Learning Home Energy Optimization Assistant	IIT Roorkee	Nimit Jain	Gautam Kishore	Abhishek Ambastha	
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15	IC-03211	Efficient electrical power consumption for home appliances	IIT Madras	K Nitish Kumar	Prakruthi P	Chitra K R	Shiv Kumar Agarwal
20	IC-03165	Automatic linear n twist	NIT,TRICHY	S Aniroodh	L Aravamuthan		
22	IC-04186	Optimized Switch Control for Elder and Disabled Patient Using EEG	SSV College of Engineering	Deepak.N	Ganesh Kumar K	Vignesh S M	Fareeha Fathima M

The Grand finale was on the 17th of December, 2012 at Schneider-Electric Bangalore and the team had to exhibit a working model of their project. The Evaluation Criteria was based on **Novelty, Effectiveness and Feasibility of prototyping.**

The team won second place in the challenge and were awarded a cash prize of 3 lakhs.



Faculty achievements



Dr.Mallika Jainu received Life Membership from the Society of Biological Chemist, Indian Institute of Science, Bangalore on 26th November, 2012.



Dr.A.Kavitha and **Dr.S.Pravin Kumar** presented Cognitive Science Research Initiative concept notes, before the DST

Screening Committee on Cognitive Science, at CR Rao Advanced Institute of Mathematics, Statistics & Computer Science, Hyderabad



Dr.A.Kavitha and **Dr.S.Pravin Kumar** attended a workshop on Computational Neuroscience organized by the Department of Biotechnology,

Indian Institute of Technology-Madras on 7th November 2012.



Mr.P.Manoj Niranjana attended two days workshop on Genetic Algorithm and Particle Swarm Optimization: Hands on training using MATLAB

organized by the department of Electrical and Electronics Engineering, Anna University, Coimbatore from 18th October 2012.

Dr.V.Mahesh, Ms.B.Geethanjali and **Dr.S.Pravin Kumar** organized a two days workshop on “**Arduino and LabVIEW with Its Application**” “as a part of Innovation Entrepreneurship Development Cell (IEDC) activity, at the Department of Biomedical Engineering, SSNCE on 17th October 2012.

Dr.V.Mahesh and **Ms.B.Geethanjali** and **Dr.S.Pravin Kumar** presented a guest lecture on "Applications of LabVIEW in the field of Bio-Medical Engineering and the various projects in progress at SSN-BME" on NI Educators Day organized by National Instruments at the Chennai Trade Centre on 17th October 2012.

Dr.S.Pravin kumar, Dr.R.Subashini, Dr.Sachin.G.Sarate and **Mr. R. Sivaramakrishnan** participated in "How to Mentor" workshop conducted by English department, SSN College of Engineering on 20th December 2012.

Mr.P.Manoj Niranjana, AP, BME has attended a two days workshop on "**Matlab based training and simulation on Supervised learning Neural networks and Differential evolution algorithm**" conducted by EEE Department, Anna University, Regional Centre, Coimbatore on 20th December 2012 and 21st December 2012.

Publications

1. The paper titled “**LED Based Wireless Data Transfer Secured with Index Shuffling Algorithm- Pulse Plethysmography**” by, **Sivakumar, Sri Logeshwaran.R, S. Pravin Kumar**, was published in the International Journal of Biomedical Engineering and Consumer Health Informatics- IJBECHI, Volume 4, Number 2, July-December 2012, pp. 23-27.
2. The paper titled "**Detecting Algorithm using adaptive Thresholding for Identification of Normal and Cheyne - stokes Breathing**" by **A. R. Anusha, A. Lakshmi Soodi, S. Pravin Kumar** was published in the International Journal of Advances in Computer Science and its applications - IJCSIA, Vol.2, Issue.3, December 2012, pp.349-353.

Paper Presentations

The following papers were presented at the International Conference on Biomedical Systems, Signals and Images held at IITM, Chennai

1. **Navathej G, Arun Srinivas P, B.Geethanjali and V.Mahesh** "EEG Based Switching System Using LabVIEW"
2. **S. Pravin Kumar**, “Image Reconstruction Using Particle Swarm Optimization (PSO) in Electrical Impedance Tomography”
3. **K. Sumathi, P.V. Pramila and V.Mahesh** "Feature Extraction of Carotid Plaque Ultrasound Images”
4. **S. Pravin Kumar, Prabhu. G. Benakop, B.C. Jinaga, N. Sriraam**, “Image Reconstruction Using Particle Swarm Optimization (PSO) in Electrical Impedance Tomography”

ICBSII 2013

The department is organizing an **International Conference on Bio signals, Images and Instrumentation** from **14th March to 16th March 2013**. It will be a technical forum for the confluence of knowledge, novel ideas, projects and research findings. Selected papers will be published in the International Journal of Computer Applications and the International Journal of Medical Imaging and Health Informatics.

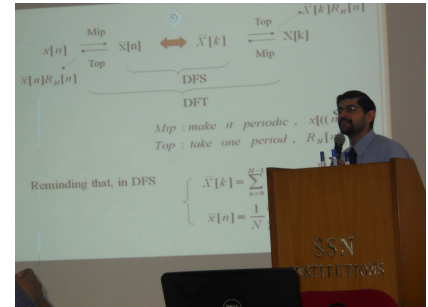
Please visit www.ssnbsii2013.com for more information.

Workshops

Applications of Wavelets in Life Sciences

The Department of Biomedical Engineering conducted a Three Days National Level Technical Workshop on, "**Applications of Wavelets in Life Sciences**", from 13th to 15th December 2012.

Around 30 Participants from various colleges attended the event. **Dr. Aditya Abhyankar, Professor and HOD, University of Pune** was the Chief Guest.



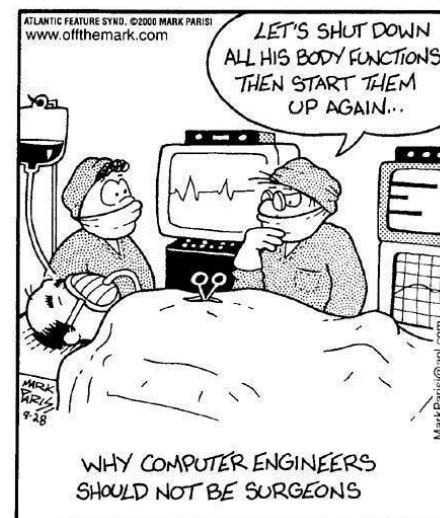
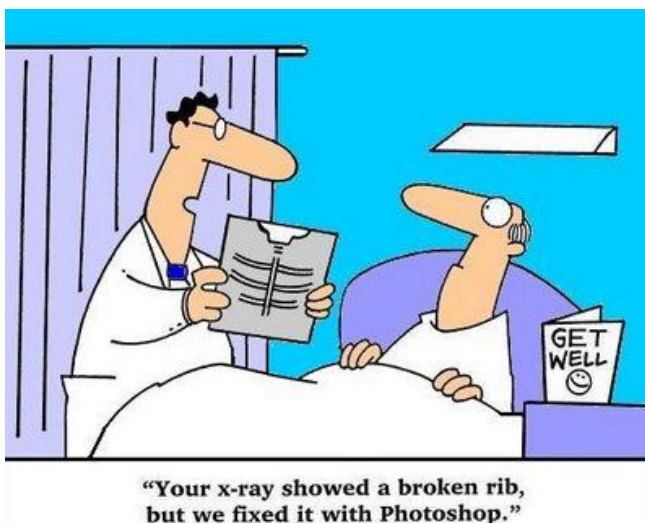
Arduino and LabVIEW with its Biomedical Applications

Association of Biomedical Engineers organized the workshop on "**Arduino & LabVIEW with its Biomedical applications**" on 16th and 17th October 2012. It was conducted as part of the Innovation Entrepreneurship Development Cell (IEDC) activity.



Mr. Pragadheeswaran, CEO of Aries Biomed Technologies, Coimbatore, conducted the workshop where more than 40 participants from various institutions underwent hands on training.

In a lighter vein



Article

Importance of Concentration



Dr.Sachin.G.Sarate, full time Doctor cum Assistant Professor at the BME department talks about concentration and how it can be achieved using meditation.

To achieve any goal, one needs to have a well concentrated and well controlled mind. Particularly in student phase of life, concentration of mind plays an important role in achieving good grades. A student who can concentrate the mind on the subjects being taught can score well whereas those who have a more wavering and wandering mind tend to have lower grades.

What is the literal meaning of concentration? If we see the meaning given in Chemistry, it is the amount of solute present per amount of solvent. If a solution has more solute and less solvent, it is said to be concentrated, whereas a solution with large amount of solvent and less solute is called dilute. In a concentrated solution, the solute molecules have a lesser degree of freedom for movement, whereas in a dilute solution the solute particles move more freely throughout the solution. For a mind to get concentrated, this movement of the mind which takes it from one thought to another has to be slowed down. A mind which keeps changing thoughts like honey bees moving from flower to flower in search of honey cannot focus on a single object.

The mind has tremendous energy. This energy can be tapped only if it is concentrated.

If the mind is wavering in all directions, it cannot perform well. A spread up mind cannot be used to attain goals set by one's own self.

Take the example of sunlight. If the sun shines over a thin paper, it just shows the color of the paper to us. But if we use a magnifying glass and focus just some square centimeters of this sunlight on the same paper, it catches fire. Just think about the mighty human mind. How much large is the space in which it is spread up! Just imagine the amount of energy one might be able to derive from it if it is focused at a single point.

One point is clear from the above discussion that we need to prevent jumping of our mind from one thought to another and the second point is that if we can focus the whole energy of the mind at one single point, then it can give us tremendous force to get our tasks done and achieve our goals in life.

India has given the world many mind concentration techniques. Many scientists and super-scientists were born here who gave the world a way to use the full potential of the human mind. The common names given to these scientists were "Rishi" - one who observes the nature outside and "Muni" - One who becomes maun or silent and observes the changes taking place inside one's own mind.

Article

Importance of Concentration (contd..)

One of such well-known scientists is The Buddha. Before getting enlightened, He tried many types of meditations after leaving his household life and could not attain the perfect mental state where the mind stops generating ill thoughts. He then left all the learned practices and remembered an event in his life when he was a child. It was a ploughing ceremony going on in his empire when he was left unattended by his attendants under a jamun tree. He sat there with crossed legs and closed eyes and focused on his incoming and outgoing breath. His mind had become concentrated. He used the same technique of focusing on the incoming and outgoing breath called Anapana again and then eventually discovered another technique called Vipassana with which he became the BUDDHA.

This technique called Anapana is the most simple and extremely effective meditation technique which can be used to make the mind stop from wandering as well as focus on a chosen task. Just by observing the sensation generated by the friction of breath with the skin at the entrance of the nostrils and the skin below the nostrils above the upper lip, one can get a long lasting concentration.

Care should be taken that the breath is not modulated or regulated. The technique loses its efficacy if it is practiced like pranayama. In pranayama, the breath has to be modulated, while in Anapana, the natural and normal breath is used to focus the wavering and spread up mind.

Another important aspect is that this technique loses its efficacy if any verbalization or imaginary visualization is attached with it.

The breath should be kept pure. If some words are chanted along with breath, then concentration becomes easier, but the effects are not long lasting because the vibration of chanting soothes the upper layers of mind, but the wavering nature of mind does-not change. For a long lasting impact, one should keep the breath pure i.e. free from any chanting or any imaginations.

An untamed horse or untamed elephant can be destructive to a greater extent if it is set free.

Whereas if we tame an untamed horse or untamed elephant by confining it with ropes or metal chains, the same destructive energy can be used constructively. Same is true about our mind. It has tremendous potential. But if we do not tame it, it keeps wandering and harming us. If we make use of the normal, natural breath like a rope or metal chain and train this mind to be at one place, it follows our commands and gives us service as we want from it.

A short video is available to learn this technique online: <http://www.vridhamma.org/StreamingVideos/Mini-Anapana-Meditation-for-all>

A Hearty Welcome !!



Dr. Guruprakash Subbiahdoss, B.E, M.S, PhD has recently joined our department as an Associate professor.

Dr. Guruprakash Subbiahdoss completed his Bachelor's in Mechanical Engineering in 2001 from Mepco Schlenk Engineering College, India and in 2005, he obtained his Master's in Biomedical Engineering from Aachen University of Applied Sciences, Germany. In 2010, he obtained his PhD in Biomedical Engineering at the University of Groningen, The Netherlands. During his PhD, he worked on the development of in vitro methodologies based on infection models for the evaluation of biomaterials.

His post-doctoral work (2010-2012) involves nano-particle based strategies in combating biomaterial-associated infections.

His areas of interest focuses on understanding microbial adhesion and biofilm formation on biomaterials, interplay between pathogen-biomaterial-host and how biofilms can be prevented by exploiting new developments in nanotechnology.

ALUMNI TALK

Life @ SSN-BME

It was Aug 20, 2007. It was our Freshers' Day at SSNCE. Day 1 of college gave us a glimpse of what was to come for the next four years of our life – the beautiful Main Audi, the sprawling lawns, the hunger-beating canteen, long-distances of walking, to name very few! Having relinquished an MBBS seat to join SSN, little did I know that I was destined to learn loads of interesting stuff in the Department of Biomedical Engineering at the college! My four year stint @ SSN-BME has done a lot in making me what I am today, though I am currently not pursuing anything even close to the Biomedical Engineering I officially studied in college. I work for **Gopali & Co.**, our family-owned publication firm, with two industry verticals – **Motorindia**, on the automotive industry and **The Textile Magazine**, on the textile industry. It might sound really strange if you try relating what I have studied and what I am doing, but I am one amongst those who believe that 'college' is not just about academics...it is a period of life which contributes enormous aspects to who you become and what you are in life. In that way, I should say that every experience – good or bad, comedy or tragedy, positive or negative - has definitely been an educative one in my life. All I can say now is a small 'Thank You' to all those who made my four years at SSN as beautiful and as wonderful as they were.

N. Balasubramanian

Batch of 2007 - 2011

Article

In dire need of blood? Just log on



While voluntary blood donation is common, it is always difficult to find a donor in your locality when someone is in dire need of blood. To create awareness about voluntary blood donation and also make available an area-specific list of donors, a group of Hyderabad-based IT professionals, in coordination with like-minded people from across the country, have started Friends2Support (F2S), a database of voluntary blood donors that can be accessed on its website, www.friends2support.org

Finding locations

Jayakrishna M., an IT professional from Bangalore, who is part of this motivated group, said the website was started to help people find donors in their own locations in times of need.

“The motto of F2S is to make the best use of contemporary technologies in delivering a promising web portal, which brings together all the blood donors in India, thereby fulfilling every blood request in the country. This is the brainchild of a Hyderabad-based IT professional Shareef S.K.,” he said. “What began with only 200 donors, now has over one lakh, making it the largest blood donors’ database in the country. However, not many from Karnataka are aware of it.”

SMS to donors

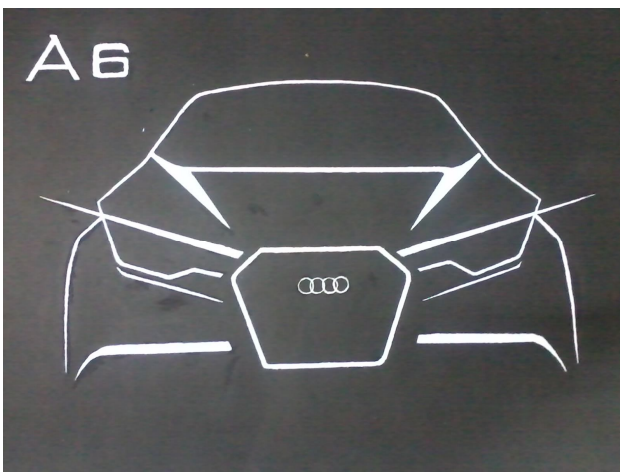
The website has a free SMS facility to blood donors. Registered users will get a message on their phones along with their user name and password when they register as donors or when they forget their password. They will also get a “thank you” SMS after they donate blood.

With an average of 200 people donating blood every day through this website across the country, the website also conceals the name of the donor for 90 days from the last donation so as to avoid calls. “On the 91st day, his or her name will be automatically visible in the search results,” Mr. Jayakrishna explained.

All donors will get a reminder SMS when they complete three months after their last blood donation. People can use the website to request for a blood donor form or place a request for blood.

Courtesy: www.thehindu.com

Student Corner



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