Newsletter

Volume 4, Issue 12, December 2014

Mechanical Aspire

Achievements in Sports, Projects, Industry, Research and Education

All about Nobel Prize- Part 12

Nobel Awards Ceremony and Database

Watch the Nobel Prize Ceremony and Listen to Nobel Lectures

Watch the 2014 Nobel Lectures and Prize Award Ceremonies live at Nobelprize.org.

See the schedule below. You can also watch the lectures at YouTube.

Sunday 7 December, 1.00 p.m.-3.15 p.m. CET	Nobel Lectures in Physiology and Medicine
Sunday 7 December, 5:30 p.m. CET	Nobel Lecture in Literature
Monday 8 December, 9.00 a.m.-10.55 a.m. CET	Nobel Lectures in Physics
Monday 8 December 11.10 a.m.-1.00 p.m. CET	Nobel Lectures in Chemistry
Monday 8 December 2.00 p.m.-2.40 p.m. CET	Nobel Lecture in Economic Sciences
Wednesday 10 December, 12:50-2:40 p.m. CET	Nobel Peace Prize lectures
Wednesday 10 December, 12.50 p.m.-2.40 p.m	Nobel Peace Prize Award Ceremony (in Oslo)
Wednesday 10 December, 4.20-6.00 p.m. CET	Nobel Prize Award Ceremony (in Stockholm)

Accessible Database of Nominees

Every time we hear about Nobel Awardees, we wonder why certain great people known to us have never been able to get Nobel Prize. For example, we always wonder why Gandhi was not awarded.

Now, all nominations are collected in one database. Using this database, at least there is an opportunity to know whether our leaders were nominated at all and to see the description given during the nominations. We can see who all just missed the Nobel Prize.

Nominations for the Nobel Prizes are handled by the Nobel Prize awarding institutions. But Nobel has made it mandatory that for 50 years the nomination cannot be made public. Which means, in 2014, we can access only data upto 1964. Still, it is worth checking for everyone whom we know-whether anyone nominated them. Explore and search the nomination database!

The Nomination Database

The database is not yet complete. Currently, data until 1963 is included for nominations to all Nobel Prizes except the Nobel Prize in Physiology or Medicine, that only contains data until 1953. Note also that names of the nominees and other information about the nominations cannot be revealed until 50 years later. See the manual for more details.

Number of nominations in Physics from 1901 to 1963:	2457
Number of nominations in Chemistry from 1901 to 1963:	2587
Number of nominations in Physiology or Medicine from 1901 to 1953:	5110
Number of nominations in Literature from 1901 to 1963:	2794
Number of nominations in Peace from 1901 to 1963:	4098
Total:	17046

For example, we see that Pandit Jawaharlal Nehru has been nominates 13 times for the Nobel Peace Prize.

Jawaharlal Nehru was Nominee in 13 nominations:

- Peace 1950 by L Sivasubranian
- Peace 1950 by Venkatarangaiya
- Peace 1951 by Professors at the University of Madras
- Peace 1951 by Lewis Hoskins
- Peace 1951 by Emily Greene Balch
- Peace 1953 by Several Members of the Belgian Senate
- Peace 1953 by Several Members of the Belgian National Assembly
- Peace 1953 by Several professors
- Peace 1954 by Jens Arup Seip
- Peace 1954 by Jens Arup Seip
- Peace 1955 by Edmond Privat
- Peace 1960 by G Natvig-Pedersen
- Peace 1961 by Else Zeuthen

In 1951, Prof.Shrinivala Sarma has nominated Nehru , on behalf of the Professors at University of Madras. Their recommendation ran as below:

Nehru established parliamentary government in India, and he had been one of the principal leaders of the independence movement. He was nominated for his neutralist foreign policy and for upholding the same principles as Gandhi.

Go ahead and discover your favourite leaders of the past and their status of nominations in the past!

Start Searching

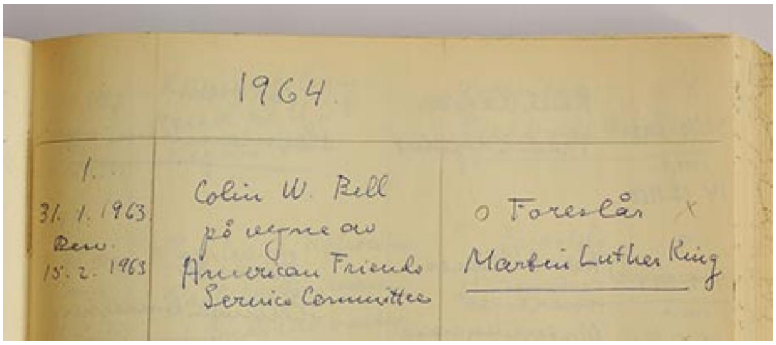
Browse and search the nomination database

Browse countries, cities and universities

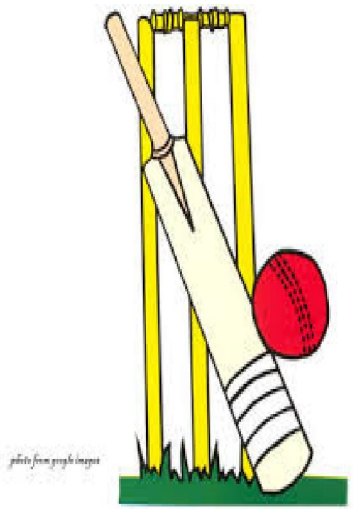
Search the Database

Search for persons

Advanced search



Info to Alumni – Campus Update



DABC SSN Staff cricket Trophy 2014

SSN Staff Cricket Team has entered Semi-Final in the tournament winning against Agni College of Technology in Quarter-Final Match. Mr. Nagendran **achieved** the Man of the Match award . The team will play against Sri RamaChandra Medical College in the Semi-Final.

The Semi Finalist in the DABC SSN Staff Cricket Trophy 2014 are

- SSN College of Engineering
- Sri RamaChandra Medical College
- Sathyabama University
- Sri Muthukumaran Institute of Technology

Info to Alumni – Department Update

External Recognition

Dr. N. Nallusamy was invited to review a technical paper titled "Performance and Emission Characteristics on Biodiesel Fueled Engine with Influence of Effect of 2-Methoxy Ethyl Acetate (Additive)" for International Journal of Ambient Energy.

Mr. C. Arun Prakash was invited to review a technical paper "Industrial Robot Selection Using Multiple Objective Decision Making Methodology" for International Journal of Recent Advances in Mechanical Engineering.


Dr.N.Nallusamy


Mr.C.ArunPrakash


Dr.M.S.Alphin


Dr.B.Anand Ronald


Dr.M.Selvaraj


Dr.M.NallaMohamed

Dr M S Alphin, was invited to review a technical research paper for Journal of Health Sciences.

Dr. B. Anand Ronald, has been invited to be a National advisory committee member of the "International Conference on Advances and Challenges in Mechanical Engineering (ICACME 2015)" to be held in Erode Sengunthar Engineering College, in March 2015.

Prof.V.E.Annamalai was invited to attend the Mechanical Board of Studies meeting held at Anna University on 8-11-2014

Dr.M. Selvaraj, and **Dr.M.Nalla Mohamed** are approved as Research Supervisors by Anna University, Chennai

Faculty research

Dr M.S.Alphin visited TI Cycles of India, Chennai and investigated preliminary technical details required for the project work along with Mr. Selvaarasan, M.E Manuf. Engg. student.(10-11-2014)

Dr M S Alphin, published a technical research paper titled "Computer Aided Human factors analysis of the industrial vehicle driver cabin to improve occupational Safety", International Journal of Injury Control and Safety Promotion, 2014, Co-Author: Kaushik Balaji (ME Manuf 2014 batch)((Accepted for Publication) (Anna University: Annexure - I listed Journal, Impact Factor: 0.544).

'Analysis of Indian Rupee Depreciation using SWOT-AHP method', a paper submitted by K.G. Sai Shreenaath, Arjhun Hariharan, Bruno Augustin, Pranav Prakash, **S.Vijayan** , has been accepted for the conference World Congress on "Management of Accounting, Finance, Marketing, Entrepreneurship, Economics and Business" (MAFMEB- 2014) to be held at Jawaharlal Nehru University, New Delhi, on 22nd and 23rd November, 2014.

Mr.Vimal Sam Singh

Mr. Fantin Arokiaraj.A got admission for pursuing Doctoral research programme under Dept. of Mechanical Engineering, SSN College of Engineering in affiliation to Anna University, under the guidance of **Dr.M.S.Alphin**

Mr.Vimal Sam Singh and **Mr.C. Arun Prakash** and have been recommended by Anna university to do Ph.D from January 2015

Proposals submitted – 6 external proposals have been submitted in November as below

Dr M.S Alphin submitted a project proposal titled "Design and Development of Novel handle shapes to overcome vibration discomfort" to Department of Science and Technology, Science and Engineering Research Board, New Delhi. On 6-11-2014.

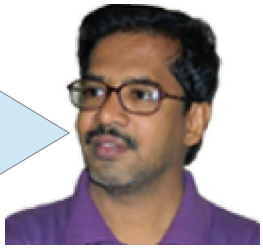
Dr.S.Vijayan

Dr.K.Babu

Dr.R.Prakash

Prof.V.E.Annamalai, Dr.S.Vijayan, Dr.K.Babu and Dr.R.Prakash have submitted individual research proposals to TNSCST (TamilNadu State Council for Science and Technology)

Dr.M.Suresh,
Co-ordinator of
Student Internal Projects



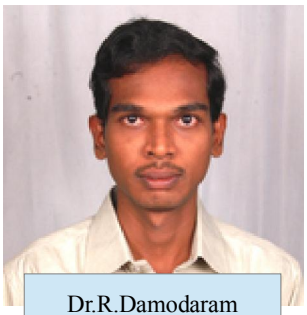
SSN Trust sanctions Rs.13 lakhs for Internal projects for Mech dept

Four faculty projects and thirteen student projects have been sanctioned by SSN Trust.

Faculty who won internal Projects

Dr.M.Dhananchezhian

Dr.G.Satheeshkumar



Dr.R.Damodaram

Dr.DAnantha padmanaban

Dr.A.K.Lakshmi Narayanan

S.No	Title of project	Faculty
1	Investigation of machinability and functional characteristics of nickel based alloys under cryogenic cooling	Dr.M.Dhananchezhian
2	Design , development and implementation of robots for scavenging applications	Dr.G.Sathheshkumar
3	Investigations on the stress corrosion cracking of friction stir processed nickel aluminium bronze	Dr.R.Damodaram Dr.AK.Lakshminarayanan
4	Assessment of intergranular corrosion resistance of friction stir and gas tungsten arc welded 316LN Austenitic stainless steel	Dr.D.Ananthapadmanaban Dr.AK.Lakshminarayanan

Industrial Visit by PG Manufacturing students

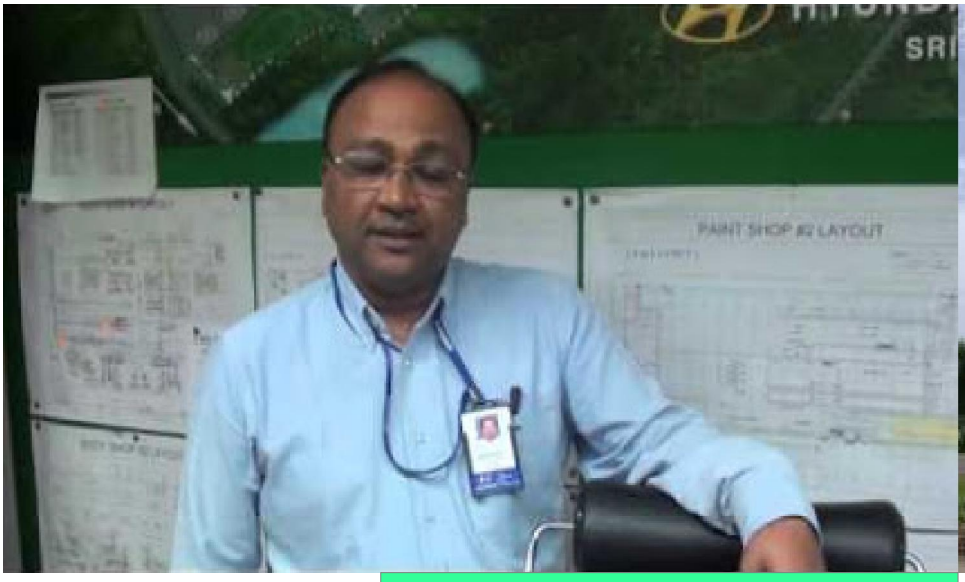
Report by Dr.KSV

Dr.K.S.Vijay Sekar, Dr. N. Nalla Mohammed and M.E. Manufacturing Engineering (I year) students visted Hyundai- Vijaysekat shares his views on the visit.....

The M.E. Manufacturing Engineering (I year) student's had the wonderful opportunity to visit Hyundai Motor India Limited (HMIL),a wholly owned subsidiary of Hyundai Motor Company (HMC), South Korea, located at Sriperumbudur on the outskirts of Chennai. HMIL, the Second largest car manufacturer in India started in 1996, is spread over 533 acres, producing over 1400 cars per day, a variety which has more than 10 top line hot selling models from the 'Eon' to the SUV 'Santa FE' covering a wide gamut of cars to suit the dynamic Indian lifestyle .

A warm welcome was accorded to us by Mr.Sai Ganesh from Public relations, who accompanied us to the plant. Inside the premises, we were shown glimpses of the Hyundai World through the corporate presentation as well as a virtual walk through of the entire manufacturing line. The HD video, shot to a nicety, gave the students the much needed enthusiasm to visit the shop floor to see firsthand how the dreams took shape on the shop floors.

The plant visit started with Body shop which is home to the Eon, Grande i10, i10 and Fluidic Verna. The sheet metal operations which blank and trim the flat sheets of metal into the basic exoskeleton of the cars were followed by the autonomous welding section with hundreds of robots performing the spot and seam welding operations coordinating with the automated material handling system to perfection. The walk through to the assembly gave a close look of the car being given its upholstery, engines and transmissions to complete the car manufacturing process. The stand out features were the cool ambience of the plant, cleanliness of the shop floors, the safety precautions and minimal human interface especially in the body shop. Overall it was an experience which our students would remember for a long time coming. We are sure the experience would have given them plenty to observe and learn which would keep them interested in the automotive manufacturing field.



Thiru T.Sarangarajan, VP-Hyundai

Our heartfelt gratitude to

- Thiru. T. Sarangarajan, Vice President, Production who facilitated our visit ;
- Ms.Sheeba Truman, External affairs, for coordinating the visit and
- Mr.Sai Ganesh, Public relations, for taking us through the plant and explaining its various aspects to the eager students.

Thanks Hyundai. The visit paved the way for 'New Thinking and New possibilities'.

International Conference

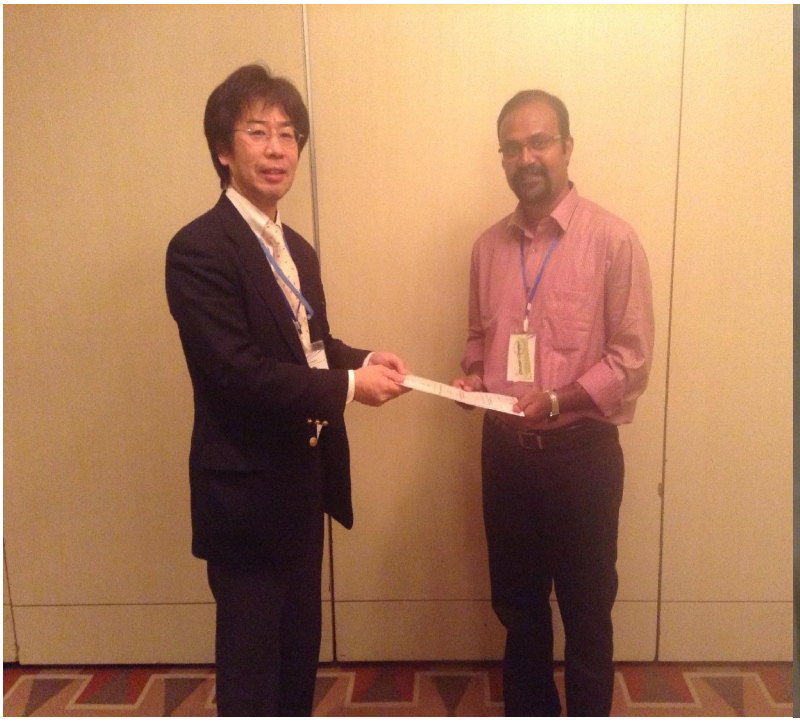
Dr. K.S. Vijay Sekar presented his research paper titled" Sensitivity analysis of material constitutive model parameters in numerical simulation of the orthogonal turning process", in the International Conference on Mechanical, Manufacturing and Control (ICMMC 2014) held in Singapore between November 21-23, 2014 and was awarded the **Best Paper** in the Conference. He shares his experiences here.....

Delegates of the International Conference on Mechanical, Manufacturing and Control (ICMMC 2014) and Power and Energy Systems (ICPES 2014), in Singapore, between November 21 -23, 2014

I had the opportunity to visit Singapore, one of the most modern and sophisticated countries in the world to present a research paper thanks to the gratitude of the SSN management for sponsoring the conference trip. The conference, organised by IACSIT (Int. Association of Computer science and Information Technology) in collaboration with ASR (American Society for Research) at Hotel Quality Marlow, Balesteir Road, Singapore, was well attended by delegates from USA, Japan, Brazil, Portugal, Spain, Denmark, China, Thailand, Philippines, Malaysia, Taiwan, India, Pakistan and Singapore amongst others. It was a great networking opportunity to meet and learn from scholars, cutting across a wide spectrum of work ethics, culture and ethos. We had no language barriers, with everyone communicating well in understandable English Language which paved the way for meaningful discussions on the sidelines.

The conference commenced with the keynote addresses by Prof. Michael Pecht, University of Maryland, USA on advanced life cycle engineering and Prof. Nopbhorn Leeprechanon, Thammasat University, Thailand on building smart cities with modern environmental and power saving modules. This was followed by the customary plenary photo session and a coffee break. The conference was held across various sessions with each session being chaired by a eminent Professor. The topics ranged from manufacturing to power and energy systems and gave a fleeting glimpse of the research activities currently trending in the global arena. The delegates included graduate students, PhD scholars as well as Professors making it a good mix of the young and experienced.

On the last day, a tour was organised to showcase some of Singapore's landmark attractions. The tour bus traversed hot spots such as Little India (which has the Indian community in large numbers, with a large chain of Indian hotels and trademark shops), the Civic district (which houses the supreme court, parliament and important government buildings), the Thian Hock Keng Temple (where Buddhism, Taoism and Confucianism seamlessly meet), National orchid garden (which is home to some 60,000 beautiful orchid plants), Merlion park (with impressive views of the marina bay and a great photo opportunity with the Merlion, a mythological creature with head of lion and body of fish). However, the crowning glory was the 37 minutes we spent on the Singapore flyer with a breathtaking view of the Marina bay skyline and fleeting glimpses of neighbouring Indonesia and Malaysia.



Dr . K.S. Vijay Sekar receiving the Best Paper Award from Prof. Hisaki Watari, Gunma University, Japan.


IACSIT
WWW.IACSIT.ORG

EXCELLENT ORAL PRESENTATION CERTIFICATE

2014 IACSIT Singapore Conferences

Singapore
November 21-23, 2014

AFFILIATED TO
The Chairman & the Board Director of 2014
IACSIT Singapore Conferences

Certify that

Dr. Vijay Sekar K. S.

Participated 2014 IACSIT Singapore Conferences

Your oral presentation has been selected as the best one in ***SESSION FIVE*** of this conferences

Session Chair

Conference Committee

The Citation

Overall the experience was an amalgamation of learning the research activities on one side and understanding the culture and tradition of Singapore on the other. The whole country works as one well oiled machine going on and on without any hiccups. I was amazed not only by their charming demeanour but also by the cleanliness and discipline that was evident all over. I had read quite a bit about the country being ruled by one party since 1959, having a population of around 5.4 million (similar to Chennai), with a land area of around 740 Square kilometres and so on.

But given the high population density, its cosmopolitan nature, its Lakhs of tourist visitors, its multicultural ethnicity, it is hard to believe that a country could be so well maintained that you could stretch yourself across any road and get up without getting dirty. As amazing as that sounds, the fruits witnessed today is the labour of cultural discipline that has been rigorously established over many generations.

I once again thank the SSN management for giving me this wonderful opportunity to present my research paper and also for enabling me to witness a modern world at close quarters.

Student Info

Powerpoint tips...

Save your Powerpoint presentations with a .pps extension instead of .ppt. They'll open directly in presentation mode and Powerpoint will close when the slideshow is over. It saves you a few clicks and it adds a flair of professionalism. - Bhoja from mechanical A section (final year)

External Recognition

" I want to share some very exciting news with you. I have been selected as the Assistant Director(Vice Chairperson) at London International MUN to be held in London from February 26- March 1st 2015. It is Europe's largest conference with 3500 delegates coming from across the world.

I will be heading this committee called UNGA-SOCHUM(United Nations General Assembly-Social,Humanitarian and Cultural). This committee mainly discusses issues regarding social and humanitarian issues such as right to privacy, protection of refugees."
Vishal.V, Third mech B section

Info from Alumni

This is Raghavendra.P, a passed out student of our department 2014 batch. I am happy to inform you, that I have been placed as, Graduate engineer trainee, at 'Hyundai motors India limited' (R&D department). Its my pleasure to thank you and our departments effort in shaping me to a good engineer and a human. I also extend my sincere thanks to the departments placement activities, anchored by Dr.NLN.

Dr.N.Lakshminarasimhan
Placement Co-ordinator

Prathith Kanagraj, ran a 5km marathon on November 2nd. He says.. "It felt really good just to finish."

Nikkin in eleventh position

Nikkin. D (315101147010) from '14 Mechanical batch had done first two semesters at a deemed University and got transferred to SSN, Anna University in Third sem. Therefore his name is not considered in Anna University rank list.

However, adding up his marks of the first two semesters alongwith other semesters, his total CGPA comes to 9.08, which means he is in the eleventh position equivalent in the rank list. Congrats to Nikkin!

Amazing Innovations 1	Car / Bike Scratch remover pen

Fix it Pro is a non-toxic product designed for clear coat scratch repairing and sealing. It is water resistant and works on any car in any color. Easy to use, just 3 easy steps. Apply Fix It, buff it into the scratch or scuff, and then just wipe away -cost Rs.255. Product code SKU: 70978

info@carsizzler.com

How to Use:

1. Shake Fix it! Pro applicator thoroughly with cap on. Apply Fix it! Pro in shaded area.
2. Prime the applicator on a separate surface. With tip pointed down, PRESS & RELEASE spring tip on a surface until tip is saturated. Protect tip from sunlight! It may take 40 to 50 presses to saturate the tip.
3. Apply along & into damaged clear coat. Work quickly, Fix it! Pro cures in direct sunlight. Apply at temperatures above 55 degrees.
4. Quickly wipe off excess with dry paper towel, as Fix it! Pro can cure rapidly. Allow to cure in sunlight until dry (1-48 hours). Deeper scratches may require additional application.Caution: Replace cap after use ! / Keep away from children!

Amazing Innovations 2	White Solar Panel

Neuchatel/Switzerland, 28 October 2014 - CSEM announces the world's first white solar modules. This innovative technology is particularly attractive to the building industry where solar elements can blend into a building's skin and become virtually hidden energy sources. Applications in the consumer goods sector are also expected.

Currently, the market lacks photovoltaic (PV) products specifically designed to be integrated into buildings. Most PV modules, built to maximize sunlight absorption, appear blue-black. This appearance, caused by the presence of cells and connections, is visually unaesthetic and this complicates the acceptance of PV by built-environment professionals.

For decades architects have been asking for a way to customize the color of solar elements to make them blend into a building's skin. White is a particularly interesting color as it is widely used for its elegance, versatility, and fresh look. Despite of this demand, no one was ever able to realize a truly white solar module; naturally believing that it was impossible as most of the light is reflected, contrary to the requirements of all solar panels.

CSEM has developed a new technology to make white solar modules, with no visible cells and connections, a reality. It combines a solar cell technology able to convert infrared solar light into electricity and a selective scattering filter, which scatters the whole visible spectrum while transmitting infrared light. Any solar technology based on crystalline silicon can now be used to manufacture white - and colored - modules.

The technology can be applied on top of an existing module or integrated into a new module during assembly, on flat or curved surfaces. Besides its main application in BIPV, other fields such as consumer electronics (laptops) and the car industry are expected to show significant interest.

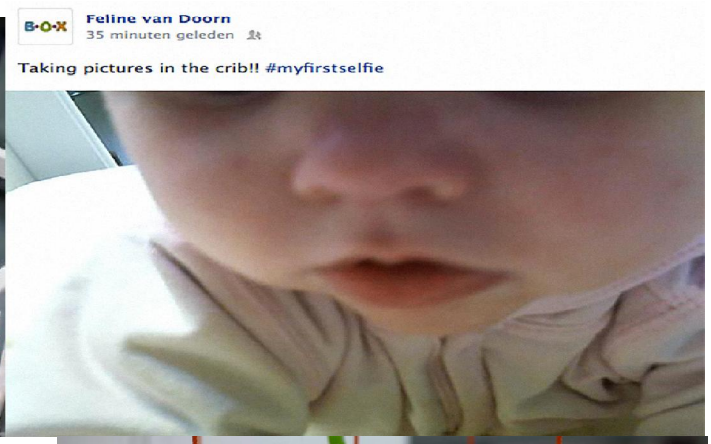
White is cool

The fact that a white surface will reach lower temperature under the sun is an additional advantage. The visible light being reflected does not contribute to heat, thus a white solar cell is expected to work at temperatures 20-30° lower than standard PV modules. White PV modules can also contribute to increase energy savings in buildings by keeping inner spaces cooler and reducing air conditioning costs. Several US cities have started to paint roofs white for the same reason. In a near future such actions could be replaced by the installation of white solar modules.

http://www.csem.ch/site/card.asp?bBut=yes&pId=28474#.VFrq18kpAy7

watch the video at https://www.youtube.com/watch?v=d0a_A9E40bQ

Amazing Innovations 3	Selfies from babies



Babies are too young to be able to use smartphones or computers, but Netherlands-based graduate student Laura Cornet has developed a social interface that infants can get to grips with. New Born Fame takes the form of a mobile with soft toys hanging down, designed to be placed over the cot. Each one interacts with the baby's social profiles — set up by their parent(s) and synced beforehand.

One of the toys features a camera and a GPS locator. Pull the small bird, and the baby sends out a randomly generated tweet.

Pull the Facebook logo, and they automatically update their status along with their current location.

Pull the camera toy and a video is taken and uploaded onto Instagram.

The ball shaped toy also lets babies take a selfie and upload it on all platforms.

The kit also includes a pair of baby boots with activity monitoring sensors that track how often the infant kicks.

https://www.yahoo.com/tech/experimental-infant-toys-let-your-baby-upload-selfies-100838902964.html

Amazing Innovations 4	Powerless Pumping of water

Climate-KIC, a European-union climate innovation initiative, recently selected a jury of entrepreneurs, financiers and business people to award funding to what they felt were Europe's best clean-tech innovations of 2014. Taking first place was Dutch startup aQysta, a Delft University of Technology spin-off company that manufactures what's known as the Barsha irrigation pump. It can reportedly boost crop yields in developing nations by up to five times, yet requires no fuel or electricity to operate. Although the Barsha pump (Nepalese for "rain pump") is a new product, it's based on a very old design – it has its origins in ancient Egypt.

The pump itself is essentially a water wheel on a floating platform, that's moored in a nearby flowing river. The moving water rotates the wheel, that in turn utilizes a spiral mechanism to compress air. That air drives water through an attached hose and up to the fields.

It's claimed to be capable of pumping water up to a height of 25 meters (82 ft), at a maximum rate of one liter (0.26 US gal) per second. According to its designers, it has zero operating costs, only one moving part, can be built from locally-available materials, and should provide a return on investment within one year of use – for diesel-powered pumps, they claim that the figure is closer to 10 years.

Of course, it also creates no emissions.

The first Barsha pump was set up in Nepal this July, and a business is now being established there to manufacture and market the devices. Plans call for similar developments in Asia, Latin America, and Africa.

http://www.climate-kic.org/press-releases/climate-kic-reveals-europes-best-clean-tech-innovation-2014/

Innovation Challenge 1

Deadline: 2014-12-03
Award: EUR 25,000

Ericsson Innovation Awards 2015

What will be the new learning tools and methodologies? How can we make learning accessible to all? What tools will we need when lifelong learning becomes necessary for everyone? What needs to happen when learning shifts out of the schoolhouse and goes online? Go ahead – challenge yourself.

As we journey into the Networked Society we need to unlock the full potential of learning and education by turning established models on their heads. Empowered by technology, new skills and techniques are becoming increasingly important in the new learning environment. But what are the innovation possibilities that will arise as a result of this development?

With the Ericsson Innovation Award we want you to show us what the world can learn from you.

The registration phase for the Ericsson Innovation Awards 2015 is now open. All students at third-level schools, universities and colleges are welcome to compete. By entering the Ericsson Innovation Awards 2015, you could show the world what it could learn from you. Registration is open **until December 3rd** 2014. Sign up here. Final submission date 15-12-2014.

Details at http://www.ericsson.com/thecompany/events/ericsson-innovation-awards

Innovation Challenge 2

Emergency Stretcher Design

Deadline: Dec-17-14

There are many circumstances when an injured patient must be quickly removed from a dangerous environment such as a conflict zone or disaster site. Pararescue Jumpers (PJ) must bring all needed equipment with them and be able to perform in any environment (rocky, swampy, desert, wet, snow- or ice-covered, urban; in all weather conditions) to quickly stabilize the injured and evacuate them to safety. The faster the patient can get to a care facility the better their survival rate.

This challenge is to design an alternative stretcher/carrier that is compatible with the RiteRescue tactical harness system and provides an improvement on the current prototype design. The stretcher/carrier must be able to allow a single PJ operator to secure and transport a 250 lbs. patient to a safe extraction point. The stretcher/carrier will have to be light yet durable, able to be stowed compactly yet be set up quickly and the patient secured rapidly, and permit the PJ operator to carry/drag the loaded stretcher/carrier over many different types of terrains. Designs will be evaluated on durability, weight, minimum storage volume, and ease of assembly.

Designs should be submitted in CAD format, specifically in SolidWorks or any format that can be converted to SolidWorks (e.g., AutoCAD). Drawings are an acceptable format for submission but will take longer to evaluate.
Details at http://www.ideaconnection.com/open-innovation-challenges/rescue-stretcher.html

Innovation Challenge 3

Microsoft Global Student Technology Competition

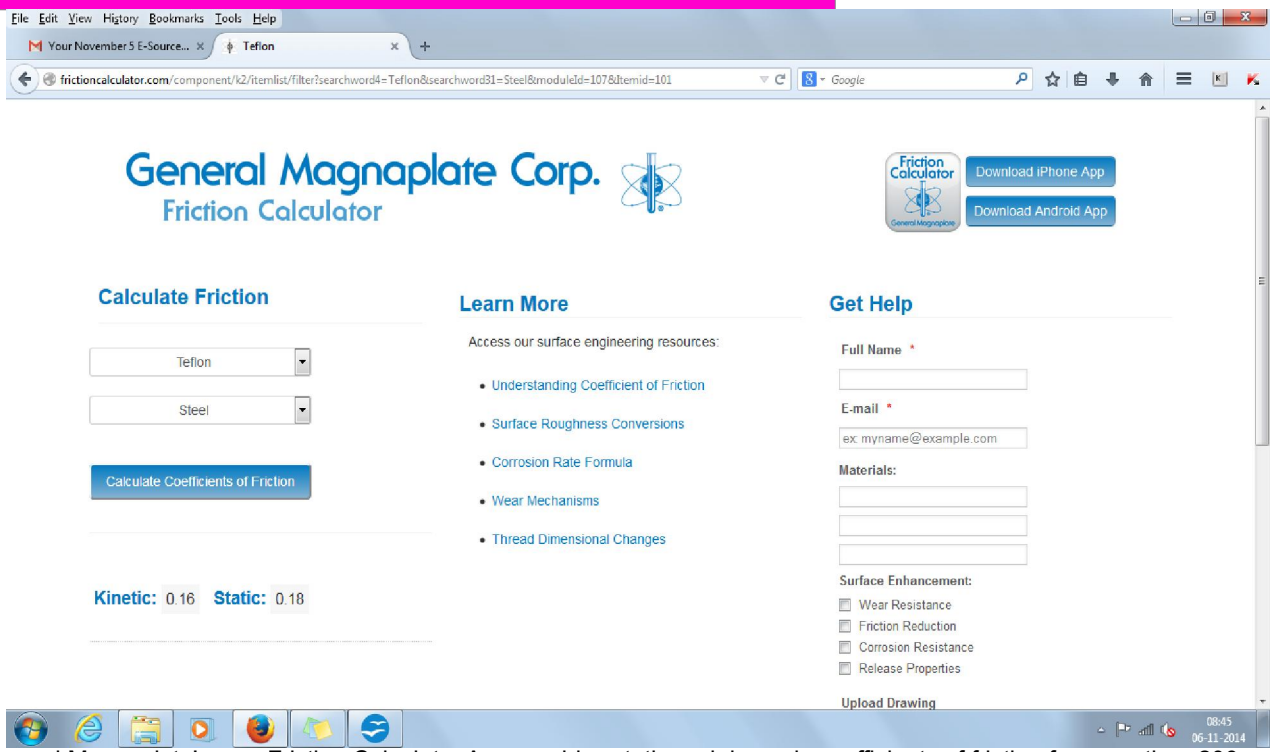
Microsoft Imagine cup innovation contest deadline 15th March 2015.

Break the rules. Incredible, world-changing software innovations often come from students. Social networks, music services, digital photography apps, gadgets and robotics – the list goes on. We're looking for the next big thing and we know students like you are going to make it.

This competition is the doorway to your success. If you can win here, you can go anywhere. If you've got a great idea, assemble a great team and work hard to bring that idea to life. Your project could be on devices all over the world, changing lives and giving people the thrill of seeing the future come to life right in front of them.

The Imagine Cup Innovation Competition is a global contest for the best new innovative software and the winning team will take home **$50,000 (US)**. Create a desktop or tablet project using Windows, or a mobile project using Windows Phone, or a browser project using Windows Azure and you could win big at the Imagine Cup World Finals in Seattle 2015. Details at https://www.imaginecup.com/

Learning from the web- Friction Calculator



General Magnaplate's new Friction Calculator App provides static and dynamic coefficients of friction for more than 200 pairings of materials and engineered coatings, as well as other useful surface engineering resources.

Click below for access to the iPhone, Android, and desktop versions of the App.

Friction Calculator app http://frictioncalculator.com/

Corporate Wisdom- Part 12	Choosing your Attitude

Mr.R.Ramakrishnan, Advisor, GMR Group

Sometimes we look from the start of a new venture or task and all we see are the hurdles and the reasons why we should not even bother. Remember, not everything you try will always work .

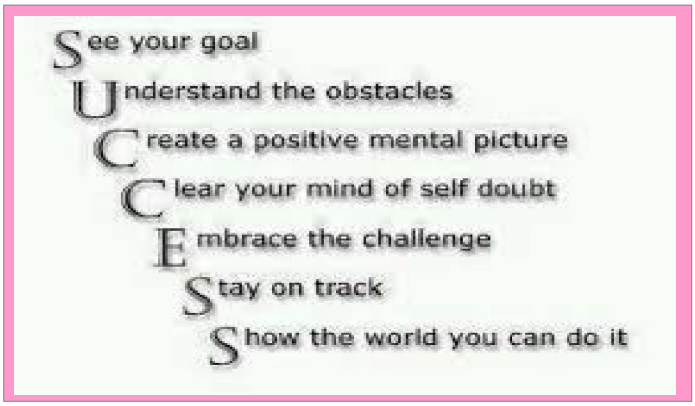
There are no excuses in life. There are no limits as to how high you can go.

If all we were to do is focus on the negative aspects of any new opportunity none of us would ever start anything.

I know what some of you are already saying to yourself:

" what if I don't succeed?" or "but you don't know what I have been through ?"

Let me put it to you another way. "What if, by not starting, you miss on a great opportunity that may get you to where you want to go ?



Your attitude towards excuses will show you exactly where you are at, on your journey. IT doesn't matter where your starting point is , it ultimately comes down to how much you want the goals and dreams that you have set for yourself, to become reality.

So, learn to choose a positive attitude.
Have a wonderful day !
Ramki