

# Mechanical **Aspire**

Achievements in Sports, Projects, Industry, Research and Education

All About Nobel Prize- Part 41

Dates for 2017 Prizes Announcement

## Prize Announcement Dates

The announcement of the Nobel Laureates and the Laureates in Economic Sciences for the year is made on the same day that the Nobel Prize awarding institutions choose from among the names recommended by the respective Nobel Committees. Immediately after the vote, a press conference is held by the concerned Nobel Prize awardee.

## Announcements of the 2017 Nobel Prizes

The prize committees are currently working carefully and independently to select the recipients of the 2017 Nobel Prize and the Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel. The Laureates will be announced starting on 2 October, revealing the scientists, writers and peace workers who - in keeping with the vision of Alfred Nobel - have conferred the greatest benefit to mankind.

All the announcements will be broadcast live on [Nobelprize.org](http://Nobelprize.org).

The prize-awarding institutions have decided to announce their 2017 prize decisions as follows:

- **Monday 2 October, 11:30 a.m. at the earliest - The Nobel Prize in Physiology or Medicine**  
 The Nobel Assembly at Karolinska Institutet, Wallenbergsalen, Nobel Forum, Nobels väg 1, Solna  
 More information: <http://www.nobelprizemedicine.org/>
- **Tuesday 3 October, 11:45 a.m. at the earliest - The Nobel Prize in Physics**  
 The Royal Swedish Academy of Sciences (Kungl. Vetenskapsakademien, KVA), Sessionssalen, Lilla Frescativägen 4A, Solna  
 More information: <http://www.kva.se/en/pressroom/>
- **Wednesday 4 October, 11:45 a.m. at the earliest - The Nobel Prize in Chemistry**  
 The Royal Swedish Academy of Sciences, Sessionssalen, Lilla Frescativägen 4A, Solna  
 More information: <http://www.kva.se/en/pressroom/>
- **Friday 6 October, 11:00 a.m. - The Nobel Peace Prize**  
 The Norwegian Nobel Committee,  
 The Norwegian Nobel Institute (Norska Nobelinstitutet), Store Sal, Henrik Ibsens gate 51, Oslo  
 More information: <https://www.nobelpeaceprize.org/>
- **Monday 9 October, 11:45 a.m. at the earliest - The Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel**  
 The Royal Swedish Academy of Sciences, Sessionssalen, Lilla Frescativägen 4A, Solna  
 More information: <http://www.kva.se/en/pressroom/>  
 E-mail: [jessica.balksjo@kva.se](mailto:jessica.balksjo@kva.se)
- **Date to be announced later - The Nobel Prize in Literature**  
 The Swedish Academy (Svenska Akademien), Börssalen, Källargränd 4, Stockholm  
 More information: <http://svenskaakademien.se/>  
*Times listed are local time in Sweden.*

## Shiv Nadar Foundation's Institutions ranked amongst the top in India in NIRF 2017



### SSN Institutions

- › **Ranked 27<sup>th</sup>** among all engineering colleges and 80<sup>th</sup> among all education institutions
- › **Ranked 5<sup>th</sup>** among all private engineering institutions
- › **Only affiliated non-autonomous college in the top 100**

### Shiv Nadar University

- › **Ranked 8<sup>th</sup>** overall amongst institutions in existence for less than 10 years
- › **Youngest institution** in the 'top 100' overall list



[Click here to know more](#)

SHIV NADAR FOUNDATION

SSN Teams won several prizes in Smart India Hackathon 2017. Detailed report in Annexure.

## Hurun Philanthropy List 2016 features Shiv Nadar as the Most Generous Indian

Hurun Report launches the fourth edition of *Hurun India Philanthropy List*



**(28 MARCH 2017, Mumbai)** The Hurun Research Institute today released the *Hurun India Philanthropy List 2016*, a ranking of the most generous individuals from India. Donations were measured by the value of their cash or cash equivalent from 1 January 2016 to 31 December 2016. This is the fourth year of the list and it follows on from the *Hurun India Rich List*, a ranking of 339 richest individuals in India, released in September 2016 for the fourth year.

With the same cut-off as last year of INR 10 Cr, the *Hurun India Philanthropy List* has 27 individuals, down by 9 from last year.

- HCL founder **Shiv Nadar (71)** tops the *Hurun India Philanthropy list* with **INR 630 Crores** donation towards education.
- Infosys co-founder **Kris Gopalakrishnan (61)** and wife, Sudha Gopalakrishnan came in **second** with a donation of **INR 313 Crores** primarily towards healthcare, social development and education.
- **Mukesh Ambani (59)** of Reliance-The Business Mogul, came in **third** with a donation of **INR 303 Crores** made towards causes such as education, rural development, sports, health and has also contributed to Swachh Bharat.

Source: <http://www.hurun.net/en/ArticleShow.aspx?nid=20971>

**Dr. S.Thiruvenkataswami writes..**



English Department conducted a Two-Day National Conference on,  
Does INPUT equal INTAKE while teaching English as a Second Language? During 7-8 April 2017.

Mr. C. P. Vishwanath, Founder, Karadi Path Education Company Pvt. Ltd., graced the occasion as Chief Guest.



*College Day was celebrated on 5<sup>th</sup> April, 2017.*

Prof. Dr. Sudhindra Nath Panda, Director, National Institute of Technical Teachers Training & Research, graced the occasion as Chief Guest.

**Invited Lecture**



Dr. A.S. Ramana, Associate Professor delivered a Keynote lecture on Energy Conservation Trends and chaired a Mechanical Engineering session in National Conference on Recent Innovations in Engineering, Technology, Management and Applications "RIETMA-2017" organized by Priyadarshini Engineering College, Vaniyambadi. [7-4-2017]



Dr. Satheesh Kumar Gopal delivered an invited lecture on "Applications of Nano science and Robotics in Mechanical Engineering" in the Seven Days Faculty Development Programme on "FUTURISTIC APPROACHES OF NANOSCIENCE AND ROBOTICS IN SCIENCE AND TECHNOLOGY" - FANRST 2K17 held from 21–27 April 2017 at Jeppiaar Engineering College [24-4-2017]

**Invited to review**

Dr.K.S.Vijay Sekar , Assoc.Professor reviewed a research paper titled "In-situ Measurement of Friction Coefficient in Metal Forging" submitted to "International Journal of Materials and Product Technology", Inderscience Publishers

**Research Papers**

A paper submitted by Visveshwar N(Student) ,Vishal V (Student), Vishal Venkatesh(Student) , Pragadish Karthick(Student) , R.Vimal Samsingh(Asst. Professor) , has been published - " Application of Quality tools in a Plastic Based Production Industry to achieve the continuous improvement cycle"; Quality-Access to Success Journal, Vol. 18, No. 157, 2017, pp 61-64



Dr.K.S.Vijay Sekar's research paper titled " 3D Finite Element Analysis of Drilling of Glass Fiber Reinforced Polymer Composites", coauthored by Prakash C, PhD Scholar, was presented at International Conference on Mechanical and Manufacturing Engineering (ICMME-2017) organized by SCSVMV, Kancheepuram, India, on April 6 & 7, 2017.

It was awarded the **BEST PAPER** in the session on Materials and Manufacturing Engineering.

Dr.K.S.Vijay Sekar's research paper titled "Review of Finite element analysis in machining process", coauthored by Ajay Subramanyam, M.E. Manufacturing student, was presented at International Conference on Mechanical and Manufacturing Engineering (ICMME-2017) organized by SCSVMV, Kancheepuram, India, on April 6 & 7, 2017

Dr. K.S. Vijay Sekar, Associate Professor, has got his Poster titled" FEA of Chip formation during machining of Al alloy and Al MMC " accepted for display in 4th Annual Academic Poster Showcase at the Science in the Age of Experience, Global User Conference, Simulia, Chicago, USA. The poster is coauthored by Thamizharasan M. M. and Nithiya Sandhiya Y. J., Alumni of ME Manufacturing, SSNCE



Dr. N. Lakshmi Narasimhan and S. Janani, presented a paper titled, "A Predictive Model for the Estimation of Future Energy Demand of India in the International Conference on Renewable and Sustainable Energy-ICRSE - 2017 during April 12 & 13, 2017, organized by Hindusthan College of Engineering and Technology, Coimbatore, Tamil Nadu, India.

Dr. N. Lakshmi Narasimhan and N. Gowdhaman, presented a paper titled, "A quasi-steady state analysis on the inward spherical solidification of a phase change material dispersed with high conductivity macro particles", in the International Conference on Renewable and Sustainable Energy-ICRSE - 2017 during April 12 & 13, 2017, organized by Hindusthan College of Engineering and Technology, Coimbatore, Tamil Nadu, India.

Dr. K. Jayakumar, Associate Professor, **Received best paper award** from "International Conference on Emerging Trends in Materials and Manufacturing Engineering" (IMME-17) held at NIT, Trichy on 11th & 12th March 2017. The paper is co-authored with UG students and titled "Experimental studies on Drilling of 410 stainless steel" in the session on Metal Cutting.



Dr. Satheesh Kumar Gopal presented the paper entitled "Design, Fabrication and Implementation of Deseeding Robot" at the 49th International Academic conference on Electrical, Electronics and Computer Engineering (IACEECE 2017) held on 16th, April 2017.



Dr M S Alphin, Associate Prof, Research paper titled "A numerical study toward analysis and attenuation of low frequency vibration on steering wheels of heavy vehicles", ICAMES17 conducted by PES College of Engineering Mandya, Karnataka. Co-Authors: Jobin Babu (II ME Mfg), Jain AR Tony . The paper was presented in the conference by Mr Jobin Babu.[21-4-2017]

Dr M S Alphin, Associate Professor, Velmurugan D (JRF) presented a paper titled "Design, fabrication and Vibration testing on multi axis vibrator" in 7th ICASET 2017 held at Bangalore.



D. Velmurugan

W.Waleed Ahmed , Visveshwar, R.Vimal Sam Singh(Asst.Professor) , "Artificial Intelligence Modelling of Process Parameters on Friction Drilling of Metal Matrix Composites "National Conference for Mechanical Engineering Research Scholars, 31, March, 2017, SSN College of Engineering, Chennai

Vishal V, Ramya Ramalingan, P.Vinay Srinivas and R.Vimal Sam Singh(Asst. Professor) , presented a paper titled , "A review of implementation of Artificial Intelligence systems for weld defect classification", International Conference on Advances in Materials, Manufacturing and Applied Science ,29-30, March, 2017,Sri Sriram Institute of Technology , Chennai





Mr. C. Arun Prakash,  
Assistant Prof, Presented  
a paper in National  
Conference for  
Mechanical Engineering  
Research Scholars  
conducted at SSNCE



Ms.R.RAJESWARI, Assistant Professor, Published conference paper,  
"Optimization and comparison of process parameters of die sinking  
electrical discharge machined stainless steel AISI 304, AISI 304L and  
AISI 304H using Response Surface Methodology" in Mechanical  
Engineering Research Scholars conference, MERS 2017. The co  
authors are Karthic Raja.J, Kiran Karthik.P, Kishore Kumar.J,  
Purushothaman.T, passed out Mechanical Engineering UG students,  
SSNCE

### Programs Conducted



Dr.K.Babu



Mr.Vimal Sam Singh



Dr.A.K.LakshmiNarayanan



Dr.S.Sureshkumar

- 1.Dr. K. Babu, Associate Professor and Mr. Vimal Sam Singh, Assistant Professor have organized a one day workshop on "Particle Swarm Optimization, Simulated Annealing and Artificial Neural Network" [3-4-2017]
- 2.Dr. N. LakshmiNarasimhan, Associate Professor and Dr. K. Babu, Associate Professor have organized a one day workshop on "Digital Manufacturing - Techniques and Applications" [5-4-2017]
- 3.Dr. S. Rajkumar, Associate Professor; Dr. R. Prakash, Associate Professor and Mr. B. Jayakishan, Assistant Professor; conducted One day Workshop on Advanced Combustion Concepts of Internal Combustion Engines [7-4-2017]
- 4.Dr.S.R.Koteswara Rao, Dr.S.Vijayan and Dr.K.L.Harikrishna, conducted a one day workshop on New Approaches in Welding Engineering, on 7-4-2017.



Dr.S.R.Koteswara Rao



Dr.S.Vijayan



Dr.K.L.Harikrishna

- 5.Dr. B. Anand Ronald & Dr. K. Rajkumar, Assoc. Prof., Mech., Conducted a One Day workshop on "Fabrication of Polymer Matrix Composites" [10-4-2017]
- 6.Dr.A.K.Lakshminarayanan and Dr.S.Suresh kumar organized a one day workshop on "**Metal Forming Analysis - An Experiential Learning**" on April 24<sup>th</sup>, 2017

### Industrial Visit

Dr. N. Lakshmi Narasimhan and Dr. K. S. Vijaysekar accompanied First Year M.E. (Energy Engg) and M.E. (Manf. Engg.) students for an Industrial Visit to Hanon Systems (Formerly Visteon) at Maraimalai Nagar. [18-4-2017]

### Internship Support

Dr. N. Lakshmi Narasimhan, Associate Prof, forwarded 5 resumes of our UG Mech Students to Hanon Systems (Formerly Visteon) for an opportunity in the company as GET-2017

### STUDENT ACTIVITIES:

K.Deebak, of second year mech, did in plant training at Royal Enfield Kishore A, third year, Represented our NSS Team in IIT MADRAS NSS CONCLAVE

M.Karthik Avinashilingam, of third year, presented a paper in MERS National conference organised in SSN college on 31 march 2017

K S Manoranjan & Harish Narayanan V, of third year, Co-authored and presented a paper titled "Design and development of bomb diffusal robotic arm coupled to multi-rotor copter " in the national level conference MERS 2017, held at SSNCE.

Adhyanth.G Ajay & Ashwin.R, of third year, presented a paper in national level conference MERS 2017, held at SSNCE.

One of our ME final year student Mathesh K S has been awarded with Excellent paper award for the paper entitled "Design, Fabrication and Implementation of Deweeding Robot" for the category Best Content/Best presentation at the 49th International Academic conference on Electrical, Electronics and Computer Engineering (IACEECE 2017) held on 16th, April 2017. Guide-Dr.G.Satheeshkumar



One of the team jointly guided with Department of ECE has been awarded "Best Under Graduate Final year Project" in the project exhibition evaluated by experts from industry organized by the Department of ECE, during March 2017, out of four awards.

The team details are as follows:

Team members	Guide	Title
KARNIK RAM HARISH S APEKSHA AVINASH SOMALINGA	Ms. S. Hanis, Supervisor Dr. Satheesh Kumar Gopal, Co-Supervisor	VISION BASED NAVIGATION OF A QUADCOPTER

### Department Research Seminar

Dr.S.R.Koteswara Rao organised a seminar as below:  
Resource Person: Mr Fantin Arokiaraj,  
Part Time Research Scholar (Supervisor: Dr Alphin. Associate Prof, Mech Engg)

Topic: Bio- compatibility of Dental Implants

Time: 10.30 -11.30 AM on 25th April 2017



## Faculty Write up

## Workshop on IC engines

Dr. S. Rajkumar, Associate Professor,  
Dr. R. Prakash, Associate Professor and  
Mr. B. Jayakishan, Assistant Professor  
conducted a one day workshop on  
Advanced Combustion Concepts of Internal  
Combustion Engines on 6<sup>th</sup> April, 2017.



There were 21 participants (5 external participants + 16 SSNCE Students). The participants include faculty, UG and PG students and research scholars from various Engineering colleges namely, SVCE, Velammal Engg. College etc., from Chennai.



The purpose of the workshop was to introduce recent developments and advanced combustion concepts such as RCCI combustion, multiple-injection technique, dual-fuel combustion etc. for the benefit of the students, research scholars, faculty and industrial staff members working in the field of I.C. Engines. Internal combustion engine is a broad field of Mechanical engineering that encompasses technologies dealing with vehicle propulsion, performance and combustion enhancement and emission reduction.



The combustion process is central to the engines for emission abatement. Advances in engine combustion research is an important subject for mechanical engineering graduates, especially for those who dreamt of working in the R&D of leading engine manufacturing, automotive and aerospace industries. It is also a current national trending research area since we have already moved into BS IV norms. Also, the student community faces difficulties in understanding this subject, which is part of their VIII semester mechanical engineering curriculum under Anna University.

The workshop started with Tamizh Thai Vazhthu and a welcome address by Dr. Prakash briefed the theme of the workshop.

The First lecture was given by Dr. M.R. Swaminathan, Assistant Professor of Mechanical Engineering, Anna University on “Modern Fuel and Combustion Technique for SI Engines”. He presented the various facts on fuel requirements and their complete combustion in order to enhance the performance of the engines. He also explained the requirements of the complete combustion and to meet the better emission norms.



The Second lecture was delivered by Dr. D. Ganesh, Assistant Professor of Mechanical Engineering, Anna University. He presented about “Clean Combustion Strategies” which are essential for BS-IV emission norms. He talked about various combustion techniques like, HCCI, PCCI and RCCI for meeting the stringent emission norms. He also explained the various experimental research works that are under progress in his university.

The Third lecture was presented by Dr. S. Rajkumar, Associate Professor of Mechanical Engineering, SSN College of Engineering. He talked about the concept of Multiple-injection Common Rail Direct Injection (CRDI) Diesel Engines which are used in current Diesel engine vehicles. The chronological development of multiple-injection and CRDI engine is explained in this session. The state-of-the-art of the CRDI engines also briefed in this presentation. The feature research scopes on these engines are highlighted.

*One Day workshop on*  
**“Fabrication of Polymer Matrix Composites”**  
10 April 2017, Venue: Mechanical Seminar Hall



The Participants with the organizers Dr.B.Anand Ronald and Dr.K.Rajkumar



Dr.K.Rajkumar's session



Demo in progress..

The One Day workshop on “*Fabrication of Polymer Matrix Composites*” was held on 10 April 2017, in the Department of Mechanical Engineering. Around 18 candidates belonging to institutions from Tamilnadu & Andhra Pradesh participated in the workshop.

The morning sessions were handled by *Dr. K. Rajkumar* on Polymer Blends & Conductive Polymers. In the afternoon session a live demonstration on fabrication of Polymer Matrix Composites was spearheaded by *Mr. Sabarinathan*, Ph.D Scholar (FT).

The participants were appreciative of the efforts and wanted to be invited for similar workshops in the future

Sports Day write up by Dr.M.S.Alphin

18th Annual Sports day was held on 31.03.17 at around 9.00 a.m. Mr. K.SANKAR ( Former FIFA World Cup Referee) was the Chief guest for the event.



## Mech Score Board

### ATHLETICS EVENTS LIST

400MTS –

II ND PLACE – JEFIN MANOJILINE – III / MECH

III RD PLACE – T.SURIYA BHARATHI – IV / MECH

800 MTS –

II ND PLACE - JEFIN MANOJILINE – III / MECH

1500MTS –

II PLACE – M.MEGHA DEEPAN – IV / MECH

LONG JUMP –

I ST PLACE – J.BENITTO NIJENTH – III / MECH

IIIRD PLACE - T.SURIYA BHARATHI – IV / MECH

HIGH JUMP –

I ST PLACE – J . ROSHAN – III / MECH

III RD PLACE - T.SURIYA BHARATHI – IV / MECH

TRIPLE JUMP-

IST PLACE – J.BENITTO NIJENTH – III / MECH

II ND PLACE - J . ROSHAN – III / MECH

SHOTPUT –

IIIND PLACE – M.JEEVAN – IV / MECH

DISCUS THROW –

IST PLACE- J . ROSHAN – III / MECH

IIIND PLACE - J.BENITTO NIJENTH – III / MECH

JAVELIN THROW

IIIND PLACE - J . ROSHAN – III / MECH

BASKETBALL- RUNNERS

1.JEFINMANOJILION – III / MECH

2.NIRANJAN -III/MECH

3.SHANMUGA SHANKAR – III / MECH

4. R. TENDULKAR – III / MECH

BADMINTION –WINNERS

1.D.SATHIANANDAN – IV / MECH

2.R.ARAVIDHKUMAR – IV / MECH

BADMINTION- MEN- RUNNERS

1.SHAVEEN – I / MECH

TABLE TENNIS -WINNERS

1.B.KARTHIKEYAN – II / MECH

TABLE TENNIS - RUNNERS

1.R.SAI SANTHOSH – III / MECH

2.R.NICHIREN – III / MECH

3. R.SUURAJ NARAYAN – III / MECH

BALL BADMINTION - WINNERS

1.D.NAVEEN RAJ- IV / MECH

BALL BADMINTION -RUNNERS

1.R.TENDULKAR – III / MECH

2.R.SENTHIL KUMAR – III / MECH

3.J.JAVID – III / MECH

4. A.MADHAN – III / MECH

5. N.R. GOWTHAM – III / MECH

CARROM - RUNNERS

1.MANOJI UMAPATHY – III / MECH

2.MOHAMED YASIN – III / MECH

SQUASH- WINNERS

1.BHARATH – II / MECH

SQUASH -RUNNERS

1.S.KARTHI – III / MECH

2.J.JAQVID – III / MECH

3.T.AJITH KUMAR –III / MECH

4.JEROM ZACHARIAH – III / MECH

CHESS -WINNERS (WOMEN)

R.ANUFA SRI – I / MECH

CHESS - RUNNERS

VISHAL – IV / MECH

TENNIS- RUNNERS

1.SANGEET CHOUDHARY – I / MECH

VOLLEYBALL -WINNERS

1.SAM SUNDAR – IV / MECH

VOLLEYBALL -RUNNERS

1.S.KARTHI – III / MECH

2. R.TENDULKAR – III / MECH

3. A.R.KIRUBAKARAN – III / MECH

4.S.BHARAT RAM – III / MECH

5. MANOJI UMAPATHY – III / MECH

CRICKET- RUNNERS

1.V.S.VASANTHANANTHAN – II / MECH

2.S.SakthiVEL – II / MECH

3. VIMALEESWAR BABU REDDY – II / MECH

4.ABHAYSKUMAR – II / MECH

CRICKET -WINNERS

R.ASHWIN – III / MECH

BHARATH RAM – III ANAND RAM – III

JEFIN MANOJILINE – III

H.ABISHEK – III

FOOTBALL- RUNNERS

1.PSHIBIN – I / MECH

2. SARAN PRASANTH – I / MECH

3. AHAMED FOUZZAN – I / MECH

4.SURAJ JACOB CHANDY – I / MECH

5.M.ARUN ORAKASH – I / MECH

6. AJAY KRISHNA – I / MECH

FOOTBALL -WINNERS

VIMALEESWAR BABU REDDY – II / MECH

C.SREYAS – II / MECH

J.R.RAHUL SUDHARSHAN – II / MECH

PRASANNA GANESH – II / MECH

YASHASWIN HARATHI – II / MECH

GEORGE CHERIAN – II / MECH

PRITHIV MEGARAJ – II / MECH

FACULTY EVENTS

BADMINTION MEN – RUNNER- DR. M.S.ALPHIN – MECH

FOODBALL PENALTY KICK

Dr SELVARAJ M

LUCKY CORNER

MR JAYKRISHNAN

TABLE TENNIS MEN – RUNNER

DR.M.S.ALPHIN – MECH

CRICKET WINNER

1. DR.D.EBENEZAR – MECH

2. DR.M.DHANANCHEZIAN

3. DR.M.S.ALPHIN

4. DR.S.VIJAYAN

Alphin, Taking a swift leap..



## Guest Lecture

Dr.N.Lakshmi Narasimhan arranged a Guest Lecture on "Chennai's Recent Oil Spill and Hidden Risks" on 21-4-17 at 1.45 p.m. at our M.E. (Energy Engg) First Year LH in the Dept. of Mech Engg. This lecture was part of Beyond the Syllabus Coverage for the students.

### **About the Speaker**

The invited speaker is Mr. S. Muralidhran, a Technology Business Consultant on Oil & Gas. He was formerly with the Govt. of India as a Senior System Analyst and Consultant at India International Centre, New Delhi. Presently he is a consultant to different firms across the Globe on Sectors of Energy, Oil & Gas, IT and Technology Transfer. Also he is a known member of Human Rights and was one among the invited speakers representing India for the UN Human Rights Convention held two years back.



## Student write up

### **Report on the Mechanical Department Valedictory Function By Nishant P Shah, 3rd year, Mechanical Engineering**

As the year comes to an end, we must bid good bye to our beloved seniors (2013-2017) who have filled this college with memories. To that end, SSN Mechanical Department organized a Valedictory Function for the outgoing batch (2013-2017) on 07-04- 2017.

The Valedictory function started at 10.30 am with the Head of the Department, Dr V.E. Annamalai giving a small speech on the importance of time and its value especially in the industry which is essential once we pass out from college.

This was followed by a brief talk by Arun KVJ, president of the AME, 2016 batch, who gave us an insight about his life after he got placed and the hardships he felt when he was working,

After this, a representative from every collegiate club gave a gist about the activities they conducted during the year 2016-2017 along with their growth and the awards they had won and wished to pass the baton on to their juniors to continue on their path towards excellence.

After this, various awards and certificates were given to the students of the department for their outstanding achievements in academics, sports and various other facets.

The function was concluded with the current president of the AME Visveshwar bidding his thanks to all the teachers for their help and support and he passed on his duties to our new president Akshay Aravindan.

Following this, Akshay gave a small speech, thanking everyone for this opportunity and introduced the new Core Committee Members of the AME.

This function was thus the perfect adieu to our seniors and we continue to wish them the best of luck in all their endeavours.





The Heritage Group, founded in the year 1992 by Mr. Nara Chandrababu Naidu, is one of the fastest growing Public Listed Companies in India, with **six-business divisions** viz., Dairy, Retail, Agri, Bakery, Renewable Energy and Vetca under its flagship Company Heritage Foods Limited (Formerly known as Heritage Foods (India) Limited). The annual turnover of Heritage Foods crossed Rs.2380.58 crores in financial year 2015-16.

The annual turnover of Heritage Foods crossed Rs.2380.58 crores in financial year 2015-16.

Currently Heritage's milk and milk products have a market presence in Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu, Maharashtra, Odisha, NCR Delhi, Haryana, Rajasthan, Madhya Pradesh, Punjab, Uttar Pradesh, Gujarat and Uttarakhand. and its retail stores across Bangalore, Chennai and Hyderabad. Integrated agri operations are in Chittoor and Medak Districts and these are the backbone to retail operations and the state of art Bakery plant at Uppal, Hyderabad, Telangana.

In the year 1994, HFIL went Public and was oversubscribed 54 times. HFIL shares are listed on BSE (Stock Code: 519552) and NSE (Stock Code: HERITGFOOD).

#### The Founder-Mr. Nara Chandrababu Naidu



With an objective of "Bringing prosperity into rural families through co-operative efforts", Mr.Chandra Babu Naidu, along with a few like minded, friends and associates promoted 'Heritage Foods' in the year 1992 taking opportunity from the Industrial Policy, 1991 of the Government of India to which end he has been successful.

At present, Heritage has a market presence in the states of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu, Maharashtra, Odisha, NCR Delhi, Haryana, Rajasthan, Madhya Pradesh, Punjab, Uttar Pradesh, Gujarat and Uttarakhand. **More than three thousand villages and three lakh farmers are being benefited** in these states. On the other side, Heritage is serving millions of customers needs by, employing more than 5500 people and generating indirect employment opportunities for more than 10000 people. Beginning with a humble annual turnover of Rs.4.38 crores in 1993-94, the annual turnover of Heritage Foods crossed Rs 2380.58 crores in financial year 2015-16.

**Vision** Delighting every home with Fresh & Healthy products and empowering the Farmer

**Mission** To be a nationally recognized brand for Healthy and Fresh products with a revenue of INR 6000 Crore. (USD 1 Billion) by 2022

#### 1. Heritage Dairy -



Heritage Dairy is one of the Leading Private Dairy Players in India with a Chilling Capacity 1.68 million liters per day, Processing Capacity 1.54 million liters per day and Packaging Capacity 1.07 million liters per day.

They produce and market a full line of Dairy products including fresh milk, curd, butter milk, lassi, ice-cream, panner, table butter, milk powder, flavored milk, UHT milk and dairy whitener.

Headquartered in Hyderabad, they have a significant presence in the states of Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu, Maharashtra, Odisha, NCR Delhi, Haryana, Rajasthan, Madhya Pradesh, Punjab, Uttar Pradesh, Gujarat and Uttarakhand.

## 2.Retail

"Heritage Fresh" is a unique chain of retail stores designed to meet the needs of the modern Indian consumer. For them, retail business is all about creating an engaging experience for customers while offering great deals that make them feel privileged and cared for. Not a single opportunity is missed to delight the customers.

Heritage holds a competitive edge in managing and selling fresh products at their stores which contributes to nearly one-third of their sales. This is rare for a supermarket chain in India.

Their Farm-To-Fork model sources fruits & vegetables directly from farmers. The fruits and vegetables are cleaned / graded / ripened at their state-of-the-art Pack Houses with cold chain facilities. These fruits & vegetables are then made available at their Retail Stores within a few hours.

## 3.Heritage Agri Fruits and Cereals

Heritage Agri was started with the aim of sourcing fresh fruits and vegetables from farmers. A team of Agriculturists works closely with the farmers to transform agricultural lands into productive farms with respect to output-per-unit of land and energy. Heritage has already established a few advanced, fully integrated Pack Houses to handle fresh produce. Heritage Agri is acting as a supply chain arm for Heritage Fresh Stores, other MRF Stores and Wholesalers.

Heritage Agri has also entered into the export of Fresh & Processed Fruits and Cereals.

## 4.Heritage Bakery

Armed with world-class bakery equipment and cold storage facilities, Heritage Bakery supplies high quality bakery products to leading multinational chains like KFC, Pizza Hut, Hard Rock Café, and top star hotels, apart from its own Heritage Fresh outlets.

Their product range includes breads, cakes, pastries, desserts, savorys and cookies. We are equipped to handle a wider range of bakery products, and are open to contract manufacturing and private label opportunities.

## 5.Heritage Renewable Energy



At Heritage, they recognise their responsibility towards protecting the environment. As a forward-looking enterprise, they are strongly committed to extending their 'Green' footprint. In line with this thinking, they embarked on a clean energy initiative with a 2.34 MW Solar Power Project which provides captive power to one of their Dairy Units in Hyderabad.



### Some of Heritage's 'Go Green' efforts...

- Reduced Carbon foot print at every available opportunity
- Green Belt is being developed at their plants
- Periodic Energy Audits of their processing plants are carried out as part of energy conservation measures
- 

Commissioned 1st Wind Power Plant of 2.1 MW Capacity at Chinahothur Village, Vajrakarur Mandal, Ananthapur District, Andhra Pradesh on 27th March 2016 for captive consumption. This Plant is expected to generate 5 Million units per annum to be utilized/consumed by our Gokul and Chittoor Plants.

Commissioned 2nd Wind Power Plant 2.1 MW Capacity at Sy No. 291, 292, Vajrakarur, Ananthapur District, Andhra Pradesh, India on 20th September, 2016 for captive consumption. This Plant is expected to generate 5 Million Units per annum to be utilized/consumed at Dairy Plants of the Company under Captive Open Access Arrangement through APTRANSCOM/APSPDCL.

Commissioned 6 Solar Power Plants with total Capacity of 1.66KW to meet their captive power consumption at the following locations on 29th March 2017.

1)Bobbili (AP) 2)Battiprolu (AP) 3)Kallur (TS) 4)Sangvi (MH) 5)Vadamadhurai (TN) & 6)Bangalore (KA)

In recognition of our efforts the Ministry of Energy, Government. of India, has awarded us the First Prize for "Conservation of Energy in Dairy Sector" for the years 2008, 2010, 2012, 2014 and 2015.

### 6.Veterinary Care Feed



Vetca deals with Animal Nutrition. Vetca is one of the leading Cattle Feed players in South and Western India covering over 3 lakh farmers spread across five states viz., Andhra Pradesh, Telangana, Tamilnadu, Karnataka and Maharashtra. Product quality is the pivotal in their endeavour towards "HEALTHY MILCH ANIMAL – HAPPY FARMER" with quality milk and milk products for all.

This is achieved by a team of ingredients sourcing team and nutritionists who are working continuously on the formulations, palatability and also in educating the farmers for improving production, productivity and profitability.

### CSR Activities

Heritage Foods Limited works with a registered trust i.e. **NTR Memorial Trust**, Hyderabad, towards promoting education, enhancing vocational skills and supply of clean water. These projects are in accordance with Schedule VII of the Companies Act, 2013 and the Company's CSR Policy read with Companies (Corporate Social Responsibility Policy) Rules, 2014.

Company has built the "Academic Block" at "NTR Junior College" for Girls, Gandipet Campus, Hyderabad from the CSR funds of the Company and the block has been inaugurated on 19th August, 2016 .

### Careers

For a list of current openings, visit <http://careers.heritagefoods.in/jobs/>

ME Manufacturing and ME Energy teams to look for Internship positions at Heritage

The reverse of Assembling- “Dismantling” is coming up in a big way as the next possible wave in Automobiles..

## Car Recycling at BMW

The EU directive concerning end-of-life vehicles (2000/53/EC) has been in force in all EU member states since 2000. Among other things, the directive specifies that the manufacturer must accept end of life vehicles (ELV) back from the last owner without charge. Car manufacturers are therefore obligated to carry all, or a significant part, of the costs associated with ELV recycling.

### Large-Scale Industrial Trial by BMW Group. Recovery Target 95 Percent.

In a large-scale trial in 2007/2008 involving 501 current pre-series vehicles, the BMW Group proved that it already meets the high future standards defined for reusability, recyclability and recoverability.



#### Pre-treatment

The pre-treatment of the 501 pre-series vehicles took place in a certified BMW Group facility - the Recycling and Dismantling Center (RDC). The legal basis for this process is found in EU directive 2005/64/EG (type approval). The legal requirements are the neutralisation of all pyrotechnical components, such as airbags and seat belt tensioners, the individual removal of each operating fluid (oils and fuels) and the separation of hazardous materials (e.g. batteries and xenon head-lights). In the large scale trial only components with a demand in the market place were dis-mantled. Examples of these are, depending on their condition, the wheels or front and rear lights.

#### Shredding process

After the remains of the body shell were compacted in the RDC, the resulting bailed scrap metal was transported to a shredder for further processing. This shredder was used to grind the scrap, after which the shredded material was classified and sorted. Large-scale industrial techniques are available for this, such as magnetic separators and cyclones. This means that the metal components in the remaining body shell are almost completely separated.

#### Preparing the shredder residue

Post-shredder technologies (PST), such as flotation separation, eddy currents, multi-level classification and screening are used to retrieve more materials. This ensures correct separation and consistent quality, while also permitting use as a secondary raw material.

#### Result

In this large-scale industrial trial the BMW Group has shown that their products are already prepared for future challenges in terms of sustainable business in the automotive industry.

#### Designing towards the future

The BMW Groups “Design for Recycling” is a compilation of vehicle- and component-specific concepts for the

reclamation processing of vehicles at the end of their life. For example, all fluid-carrying components in the vehicles are designed to enable quick and easy removal of all operating fluids, such as oil, fuel, brake fluid and coolant.



Pyrotechnical components (airbags, belt tensioners, etc.) are designed so that they can be triggered in a controlled way, using the onboard diagnostic interface as per ISO standard 26021. This considerably simplifies and shortens the dismantling and recovery process. The corresponding directives for engineers are set down in a BMW Group internal standard.

### Closing the gaps in the material cycle

Separation and the possibility of producing secondary raw materials of a consistently high quality are prerequisites for all material re-use. The post shredder technology (PST) enables these requirements to be met. Thus, most metals and plastics can after subsequent processing, be reused as a secondary raw material.

### Future challenges

In the future, there will always be new demands for further action. Thus, innovations in terms of alternative drive concepts, such as electric engines and the use of hydrogen, will need to be evaluated and appropriate recycling processes and technologies need to be developed for them.

Source:

[https://www.bmwgroup.com/content/dam/bmw-group-websites/bmwgroup\\_com/company/downloads/en/2009/2009\\_Vehicle\\_Recycling\\_Focusing\\_on\\_Sustainability.pdf](https://www.bmwgroup.com/content/dam/bmw-group-websites/bmwgroup_com/company/downloads/en/2009/2009_Vehicle_Recycling_Focusing_on_Sustainability.pdf)

Recycling centre <https://youtu.be/wP7JY4I6x2o>

official recycling news at <https://youtu.be/ObbO4RJNcvU>

more info at <https://youtu.be/AIYw9WBr6hs>



## Amazing Innovation- 17

### Flying Taxis

Lifting off from an airfield in Germany, Lilium Aviation's Jet Vertical Take-Off and Landing (VTOL), zero-emission, electric Eagle prototype has completed its maiden flight. Being controlled from the ground, the unmanned two-seater was subjected to a series of tests, including a mid-air transition from hovering to horizontal flight. The company is aiming for a manned flight in 2019 and is setting its sights on a five-seater for on-demand air taxi and ridesharing services.



According to Lilium, its air taxi will be "jet-powered," though this means it uses 36 ducted fans run by electric motors rather than using gas turbines. The motors are set on the wings and canards with 12 movable flaps that direct the airflow downwards for taking off and landing, then directing it aft over the wings to provide lift and forward flight.

The new five-seater is claimed to use only 10 percent of the energy of a quadcopter-style aircraft and has a range of over 300 km (186 mi) at a speed of 300 km/h (186 mph), allowing it to travel from JFK Airport to Manhattan in five minutes instead of the 55 minutes by road – all with zero local emissions. It's also anticipated to cost the same as a regular taxi because its small takeoff and landing footprint means less and cheaper infrastructure. Watch it in action at <https://youtu.be/ohig71bwRUE>

## Amazing Innovation- 18

### Ultrasonics for cloth drying



Scientists at the US Department of Energy's Oak Ridge National Laboratory (ORNL) revealed they were working on ultrasonic clothes drying technology in partnership with GE Appliances. The new technology relies on high-frequency vibrations to shake the water from fabric by essentially atomizing the moisture so it is released as a fine mist. In this way, it dries fabric faster and using much less energy than simply using heat.

The researchers estimate the ultrasonic approach can dry clothes twice as fast as conventional dryers, cutting drying times to about 20 minutes per load, while using 70 percent less energy. The process also results in almost no lint being produced.

The ultrasonic vibrations are produced by piezoelectric transducers that rapidly contract and expand in response to an electric current. These were previously demonstrated on their own on a desktop, but the researchers have now succeeded in scaling them up and integrating multiple transducers into a full-scale press dryer and clothes dryer drum.

This latest development, and the project's partnership with GE Appliances, bodes well for the technology being available to consumers in the not-too-distant future.

In the meantime, you can check out how your next clothes dryer might work in the video below.

<https://youtu.be/9oG9mIUGHMg>

Source: [US Department of Energy](#)

### Amazing Innovation- 19

### Bridgestone rolls out an airless bike tire



It was six years ago that we first heard about Bridgestone's prototype AirFree Concept automobile tires, which utilized flexing thermoplastic resin "spokes" instead of compressed air. As it turns out, a just-announced bicycle version of those tires may end up beating the original to the market.

Developed via a partnership between Bridgestone Corporation and Bridgestone Cycle, the new tires are made mainly from the same recyclable resin as their larger, heavier-duty counterparts – their rubber outer tread can also be recycled.

Flats are an impossibility, and the tires will never need to be inflated. Additionally, the company suggests that because of those attributes, the tires could allow for greater flexibility in the design of bicycles. On the downside, however, it looks like there's no way of adjusting their hardness. Bridgestone is currently assessing the feasibility of the tires, and states that a commercial version may be available by 2019.

### Amazing Innovation- 20

### Shipping container pool can be installed in minutes



Shipping containers are by nature rather easy to move around, and more and more we are seeing clever ideas around how their strengths can be put to use. The latest example of this is a little something called a Modpool, a relocatable above-ground swimming pool that can be installed within minutes of delivery.

Measuring either 8 x 20 ft or a lengthier 8 x 40 ft (2.4 x 6 or 2.4 by 12 m), the pools are designed to take advantage of the structural strength and portability of shipping containers.

These attributes that have seen them become popular building materials in the world of architecture, particularly among the tiny house crowd. While this means the pools can be setup within minutes of delivery, you'll still need to fill them up with water.

Modpool's general manager Sammy Diab explains how it all works.

"What we mean when we say it can be set up in minutes, is that it delivers as fully functional, so all the plumbing, heater and electrical are all built into the pool," he tells "So once you lay it on the foundations, you make two service connections, which are really just your gas connection and an electrical plug. And once you fill it with water, it is ready to go."

More Info at <http://modpools.com/>

## Alumni Info

Arun Karthik, is now at IIM Visakhapatnam (2015 passed out).

He serves as Senior Coordinator, Media Cell at

Indian Institute of Management, Visakhapatnam

IIM Visakhapatnam is the 14th Indian Institute of Management being set up by the Ministry of HRD, India under the direction and mentorship of IIM Bangalore, one of the premier management institutes in the country.



Apart from handling blogs and submitting articles on various online forums, the Student Media Cell also acts like a bridge between the Institution and the outside world. The Cell handles Press/Media releases, the Facebook page, Twitter account, Pagalguy, other websites that publish the information relating to our institution.



Arun Uthayasurian of 2011-15 batch, is now Programmer Analyst at Cognizant Technology Solutions.

He is working as a developer for a Fortune 500 client who is a world leader in manufacturing and life science divisions



Arvind Elangovan of 2012-16 batch, is now Project Associate at IIT Madras.

## Forthcoming events

May 2017

Short Term Course on Photovoltaic (PV) System Design and Installation, 25-27 May 2017, IIT Bombay, Mumbai-400076, Maharashtra. Online registration form is available at

website : <http://www.ncpre.iitb.ac.in/pages/events.html>

For more information you can log on to <http://www.ncpre.iitb.ac.in/index.html>

June 2017

Tribology Society of India is pleased to announce the 9th in the series of Summer School on Tribology to be held from 19th-23rd June 2017 at IndianOil Institute of Petroleum Management, Gurgaon to reinforce the need for continued education in Tribology - an interdisciplinary science and technology of friction, wear and lubrication. This is a residential programme in which various aspects of the multidisciplinary subject of Tribology are covered in detail by various eminent Tribologists from across the country in lectures. The details are available on <http://www.tribologyindia.org/pdf/9th-sst-brochure.pdf> .

September 2017

The Indian Institute of Technology, Guwahati is organizing the 19th edition of its annual techno-management extravaganza, TECHNICHE, from the 31st of August to the 3rd of September, 2017. The competition requires **students to send in abstracts of the projects they have undertaken**. The selected projects will be displayed here in IIT Guwahati during Techniche where students would be required to exhibit them in person. These projects will be judged by professors from IIT's, Corporate personalities and Lecture Series speakers which even include Nobel Laureates. The judges will finally select the best ideas and the **top winners will be awarded with total cash prizes worth 3,50,000/- INR**. The detailed rules can be looked at: [www.techniche.org/techexpo](http://www.techniche.org/techexpo).

December 2017

10th International Conference on "Precision, Meso, Micro and Nano Engineering (COPEN 10 , 2017)" to be held at IIT Madras, Chennai between **7- 9th of December 2017**.

<http://web.iitm.ac.in/copen2017>

**1st Announcement  
Call for Papers** **FatigueDurability  
India 2017**

**3rd International Conference & Exhibition on  
Fatigue, Durability and Fracture Mechanics**  
& Symposium on Condition Assessment/ Residual Life Assessment & Extension  
25-27th October 2017, NSSC Complex, J N Tata Auditorium, Indian Institute of Science, Bangalore India

**Last date to submit Abstract : 30th June 2017**  
**Last date to submit full length paper: 30th August 2017**  
**Final Acceptance for Publication and Conference Presentation :30th September 2017**

**Conference Web :**  
[www.2017.fatiguedurability.com](http://www.2017.fatiguedurability.com) **previous conferences**  
[2015.fatiguedurability.com](http://2015.fatiguedurability.com)  
[2016.fatiguedurability.com](http://2016.fatiguedurability.com)

**Send Abstract to :** [abstract@fatiguedurability.com](mailto:abstract@fatiguedurability.com), [info@fatiguedurability.com](mailto:info@fatiguedurability.com),  
**Call :** +91 9591994642, 9900138009



Dr.Muthu Senthil Pandian  
SSNResearch Centre

## 1.Internships for students at PSG

PSGTech research centre is organizing a

**Summer Research Internship Programme** during April to June 2017.

### This programme covers

- Full lectures by experts involved in the field of materials research on crystal growth, amorphous materials, nanomaterials, characterization of materials, and laboratory sessions. Experts from both academics and industry shall be resource persons.
- Participants shall undergo a full practical session every day in the laboratory.
- Participants shall attempt to grow single crystals / prepare polycrystalline glasses based on the problem identified after discussion.
- Hands-on-training to operate high temperature furnaces (open and closed atmospheres), crystal growth equipment (solution and melt growth techniques), nano materials preparation (sol-gel, solid-state reaction, combustion synthesis, hydrothermal techniques), etc.
- Analysis of characterization data and their interpretation will also be covered.
- Sessions to enable them to prepare research manuscripts for journal submission will also be conducted. In addition to it they shall be trained to effectively communicate their research findings.

Contact Person **Dr. R. ARUN KUMAR,**

Webpage: <http://www.psgtech.edu/GRD/>

**2.Indian National Science Academy Teacher Awards:**The Academy has instituted the INSA Teachers Award to recognize and value excellence, consistency and high level of teaching in Indian Colleges, Universities and Institutions. The award aims to recognize and honour teachers who have provided guidance, inspiration and mentored students to take up careers in Science and Technology. All disciplines of Science and Technology including Medical & Engineering Sciences come under the purview of this award. The maximum number of awards is 12. The awardees shall receive a scroll, a cash award of Rs. 50,000/- and a one-time book grant of Rs. 20,000/-

The **last date** for receipt of nominations is **May 31, 2017**. For further details and nomination proforma, please visit our website [www.insaindia.res.in](http://www.insaindia.res.in).

**3.Call for Internally funded projects:** SSN students are requested to submit their project proposals as per format (available with their departments) by 16-8-2017.



#### 4.Raman–Charpak Fellowship (Internship) program for Indian and French Ph.D students.

##### Fellowship Support:

- For Indian Fellow: Fellowship Support of 1500 Euros per month for daily expenses, local travel, accommodation charges plus Social Security charges
- For French Fellow: Fellowship support Rs. 40,000 per month for daily expenses, local travel etc. plus accommodation charges not exceeding Rs. 45,000 per month

##### Eligibility:

- Applicants from India must be Indian citizens residing in India and have registered for a PhD in a recognized university or research institution in India
- Applicants from France must be residing in France and have registered for a PhD in a recognized university or research institution in France
- Age: Maximum 30 years as on 1 st April, 2017

Last date for online application: **31 May 2017**

Further details visit: <http://www.cefipra.org/raman-charpak-2017/>

#### 5.Faculty Awards - VIFA 2017

The Venus International Faculty Awards-VIFA(<http://vifa.info/>) is celebrating 'Teaching as the Noblest Profession in the World' by proudly recognizing 'Extraordinary Teachers who have demonstrated excellence in engaging their students in Inspiring - Innovative - Path breaking ways to ignite their potential'.

The 3rd International Faculty Awards - VIFA 2017 (<http://vifa.info/vifa-2017.html>) - on July 8, 2017 at Green Park, Chennai, India) invites nominations vide F.No.VIF/CFN/FA/2017 opened on 15 March 2017 from eligible individuals those are in 'Continuous Regular Service in Academic Institution' in the age group of 27 - 62 years and Working on the Frontiers of Agriculture, Engineering, Medical Science, Science, Management and Language Studies.**Last date to submit the Application: May 31, 2017.** [www.vifa.info](http://www.vifa.info)

##### Other department round up

Dr.Chitra Babu , HoD of CSE dept writes

I am extremely happy to share the wonderful news that our department team which went to Chandigarh and addressed a problem in the Ministry of Skill Deveopment won the 1st prize.

I am also happy to share with you that our team which went to Jaipur(Ministry of Postal services) won the third prize.



In our centre, one of our teams came in the top eight and narrowly missed coming in the top 5.

I congratulate all the winners, thank the management, Principal, our department faculty members and especially our alumni who graduated last year(Satish Palaniappan, Chaaran and Arvind for mentoring the winning teams).

### Other department round up

Dr.A.Kavitha, HoD of BME writes..

I would like to bring to your kind notice that our **UG final year students have won the NRDC innovative prototype competition.**

A team of three students - R. Abirami, N.Megala and S.Thamizhamuthan supervised by Ms. Delpha, AP/BME, applied their project titled, "MASS SCREENING DEVICE FOR OSTEOARTHRITIS" for a contest conducted by **NATIONAL RESEARCH DEVELOPMENT CORPORATION (NRDC)** in collaboration with **NATIONAL SCIENTIFIC AND INDUSTRIAL RESEARCH (NSIR), Ministry of Science and Technology, Government of India.**



The contest "NATIONAL CONTEST FOR DEMONSTRATING INNOVATIVE PROTOTYPES FOR START-UPS" mainly focused on the new budding prototypes from various streams of engineering students and research scholars. **NRDC selected top 14 projects (two from SSN BME)** across India and conducted a final Jury round of the contest at **Indian National Science Academy (INSA), New Delhi.**

In the finals, a panel of 6 juries comprising of people from NRDC and NSIR evaluated their project and selected their team as the winner of this contest. A cash price of Rs. 50000 was awarded for the team.

### Project info from a parent

This is Yogesh. Shashank's father. I have been reading Aspire diligently and continue to wonder the energies that you have to compile month after month ensuring that it is out on the 1st of every month. My congratulations and may the students stand to gain reading Aspire.

I came across an interesting document uploaded by the Indian Army giving a list of problem statements they have with regard to various requirements. Beautiful document and could be very thought provoking for Engineering Students. They can pick up these problem statements and come out with solutions.

Please have a look

<http://bharatshakti.in/wp-content/uploads/2017/01/Compendium-Future-Core-Technologies-Problem-Statements.pdf>

That is a marvellous document for any faculty who wants to develop a project for Defense.  
Thanks for sharing this- VeA

## Important Announcements

Reopening Alert

NAAC Visit

Please be on campus on 19<sup>th</sup> June 2016, the reopening day for next sem.

We have a visit by NAAC experts to assess our college. Your presence will go a long way in proving our status. Be there on 19<sup>th</sup> June , to do your part to get our Institution rated high.

First of its kind program at SNU

## Post Graduate (M.Sc.) Programme on Water Science and Policy Shiv Nadar University (SNU)

SNU is designing a 2-year multi-disciplinary post-graduate (M.Sc.) programme on Water Science and Policy. This will aim to be a first-of-its-kind programme globally. We plan to launch the programme with effect from the academic year 2017-2018.

Summer Classes at Kiran Nadar Museum

**SUMMER MASTERCLASS**  
*Special Printing*

KIRAN NADAR MUSEUM OF ART

LET THIS SUMMER BE ALL ABOUT  
:: FUN :: CREATIVITY  
& :: EDUCATION!

Coming from the esteemed Kiran Nadar Museum of Art, we bring to you the **SUMMER MASTERCLASS!** Unlock your artistic potential and gear up for some amazing workshops for all art enthusiasts.

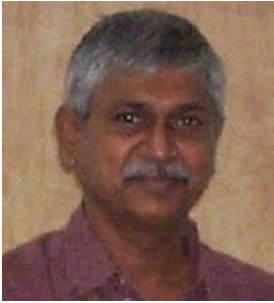
Linocut Printing: 3<sup>rd</sup> - 5<sup>th</sup> May  
Tile Mosaic: 10<sup>th</sup> - 12<sup>th</sup> May  
Buddhist Art: 17<sup>th</sup> - 19<sup>th</sup> May  
Utensil Painting: 24<sup>th</sup> - 26<sup>th</sup> May

TIME: 2:30pm - 4:30pm | AGE: 14 yrs & above  
VENUE: Saket: 145 DLF, South Court Mall | P: 011-49160000  
Noida: Plot 3-A, Sec 126 | P: 0120-4683289

HURRY UP AND REGISTER!  
LIMITED SEATS AVAILABLE!

FOR ENQUIRY & TO REGISTER PLEASE CONTACT  
anupriya.purwar@shivnadarfoundation.org  
M: +91-9540939420 | [www.knma.in](http://www.knma.in)





A business man was late for his flight. He reached the boarding gate just before it closed. Sweating and out of breath, he scanned his boarding pass at the counter and quickly made his way to the plane.

Arriving at his seat, he greeted his companions a middle-aged woman sitting at the window, and a little girl sitting on the aisle seat. After stowing his bag above, he took his place between them.

After the flight took off, he began a conversation with the little girl. She appeared to be about the same age as his daughter and was busy with her colouring book. He asked her a few usual questions, such as her age (eight), her hobbies (cartoons and drawing), as well as her favourite animal (horses are pretty, but she just loved cats). He found it strange that such a young girl would be traveling alone, but he kept his thoughts to himself and decided to keep an eye on her to make sure she was okay.\*

About an hour into the flight, the plane suddenly began experiencing extreme turbulence. The pilot came over the PA system and told everyone to fasten their seat belts and remain calm, as they had encountered rough weather.

Several times over the next half hour the plane made drastic dips and turns, shaking all the while. Some people began crying and many like the woman in the window seating were praying intently. The man was sweating and clenching his seat as tightly as he could, and exclaim "Oh my God!" with each increasingly violent shake of the plane.

Meanwhile, the little girl was sitting quietly beside him in her seat. Her colouring book and crayons were put away neatly in the seat pocket in front of her, and her hands were calmly resting on her legs. Incredibly, she didn't seem worried all.

Then, just as suddenly as it had begun, the turbulence ended. The pilot came on a few minutes later to apologize for the bumpy ride and to announce that they would be landing soon. As the plane began its descent, the man said to the little girl, "You are just a little girl, but I have never met a braver person in all my life! Tell me, dear, how is it that you remained so calm while all of us adults were so afraid?"

Looking him in the eyes, she said, "My father is the Pilot and he's taking me home."

**Moral of the story: If we recognise the power of faith...we won't look for miracles. When Dad's with you, you don't need miracles ...our parents are the biggest miracle of our life.**

**Thanks & Regards –**

**Kishore Babu**  
HR - Department  
**SCHWING Stetter India Private Limited**



**Please get your perception about the sanctity of work right.**

**You don't work of anybody. You work for yourself.**

Every Monday is the starting of the working week – we need to look forward for this day with lot eagerness, enthusiasm . Research shows that Monday morning between 8- 10 am more heart attacks happens than any other time of the day and any other day.

What a shame ? Grown up adults stressed going to work and getting heart attack. We need to make a change and let us go the other way.

Make the work as “Worship” . Let us work like nobody has ever seen. Let everyone and the world beat us on Intelligence, beat us on communication, IQ, Competence and on anything.

Let the world not beat us on “ Competent efforts” . Let our efforts beat everyone in the world. This one thing we should not spare and this will be a differentiator.

- **Resolve today that We are not going to find anybody in our department who can put more competent effort than each one of us.**
- **Resolve today that in our organization nobody is going to deliver more than us in competent efforts than each one of us.**

**Nothing motivates your team or the organization than a honest day work by you or by the Leader of the organization.** Believe me, nothing else can be a better motivator than this. **Yatha Raja , Thatha Praja- a great Sanskrit saying - How the leader preaches and behaves, so does the team.**

- **The speed and quality of the engine defines the speed of the train and the quality of the journey.**
- **You need to lead from the front.**
- **You need to have passion and every day is a holy day for us and every day is going to be a great day.**
- **That should be the belief.**

In Mahabharata - entire Kurukshetra Lord Krishna could have been with anybody , but somehow he conspired the entire circumstances and he ensured that he was with Arjuna. There was reason and I wished to believe so. In the entire Kurukshetra Arjuna was the best warrior. Krishna felt safe being with him. If I have to be in the battlefield it is better to be next to the best Kshatriya.

**I believe that Veda Vyas is delivering an unspoken message to all of us.**

**If you want God with you , you ought to be the best in what you do.**

**I will put it this way**

**If you are not the best , you seek God . If you are best in what you do, God seeks you. He wants to be with you and He will be with you.**

**If you do your best , He will do the rest . If you don't do the best , he will take rest .**

Wishing you Most & More

Ramki