

YANTRIK RUTHI

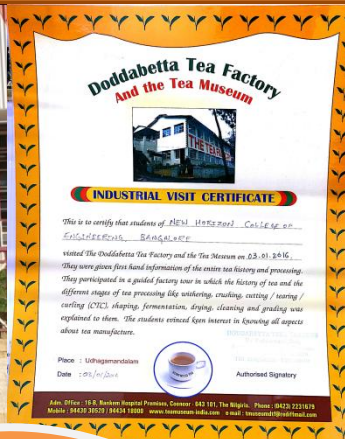
E-newsletter of Mechanical Engineering Department

VOL-4 ISSUE-1 FEB-2016 NHCE

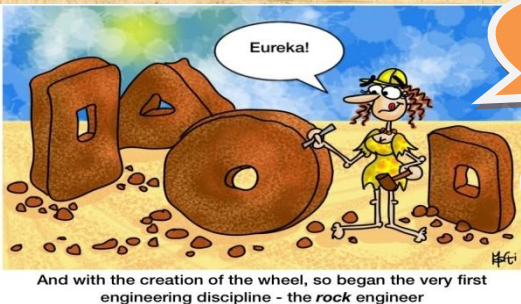
INDUSTRIAL VISIT TO OOTY TEA FACTORY & LAKSHMI MILLS



Industrial trip to Ooty Tea Factory-2016



Industrial Visit to Lakshmi Mills, Coimbatore



And with the creation of the wheel, so began the very first engineering discipline - the rock engineer

Think outside the box

67th Republic day



IMTEX PROJECT EXHIBITION

International Machine tool exhibition (IMTEX) would be held in Bangalore during 3rd week of January every year. In this exhibition Machine tool manufactures from all over the world exhibit their products. Thousands of visitors visit the exhibition every day. Organizers of this exhibition invite reputed institutions to show case their R & D activities in this exhibition. Department of Mechanical Engineering, New Horizon college of Engineering will be showcasing its strength every year. This year the exhibition was scheduled from 21st January to 26th January 2016. Faculty & students of the department presented strengths of department at the department stall to show case latest R&D activities of the department.



Start where you are, use what you have, do what you can

Department of Mechanical Engineering organized winter training/internship program in the field of Robotics Engineering and Aerospace Engineering. The program was scheduled from 18th to 23rd January 2016. The department organizes winter training program for engineering students of New Horizon College of Engineering and other institutions. Detailed study about Robotics was done through hands on sessions. At the end of the program students was able to understand different sensors, power systems and program instructions for path follower robots. Also the second batch were able to understand lift and drag of an unmanned aerial vehicles like Tri-copter & Quad-Captor. Also they understood & correlated the numerical equations for flying objects.



WINTER TRAINING PROGRAM-2016



WINTER TRAINING PROGRAM-2016

RESEARCH @ ME - NHCE

ADVANCED MANUFACTURING LAB:

It was established with emphasis to provide hands-on-experience to students in Production and Fabrication of simple mechanical components. This is a small, effective and successful working model; using hand tools at the workbench. Students will be exposed to different methods of manufacturing, materials and components, as well as procedures currently used in commercial manufacturing and assembly processes. This will be of immense help in transforming students to engineers. Besides, the state-of-the-art facilities developed under the roof of the Workshop is also extended to research scholars to perform novel and cutting edge research. Research in machining is also carried out by several Ph.D. students in this facility.



Editorial board: Dr. M. S. Ganesha Prasad, Prof. Shiva Prakash S, Prof. Nagendra J, Prof. Rakesh. C, Prof. Ronald Regaon R, Prof. Manjesh B C, Prof. Madhusudan.

Advisory Committee: Dr. C P S Prakash (Principal, Dayananda Sagar College of Engineering)

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YANTRIK RATHI

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VOL-4 ISSUE-2 MAY-2016 NHCE

Go Kart AKHURATH

The Final Round was held at Kari Motor Speedway from February 12th to 15th, 2016. Initially the Kart was inspected by the track officials and the following events were conducted: disassembly and assembly, turning radius, brake and acceleration test, skid pad, autocross, endurance (distance of 28 kilometers) and fuel economy. Of the 105 teams that qualified for the Final Round, Team Akhurath were ranked 9th all over India. In state ranking Akhurath secured 3rd position.



INDUSTRIAL VISIT TO TVS - ATTIBELE

On the 26th & 29th April 2016, the department had organized an industrial visit for students of the sixth semester who were accompanied by two of the faculties of the department. The visit was to the TVS plant, situated in Attibele, Bangalore. The plant is semi-automated & Students were amazed at the speed at which the process occurred and how the automated systems could work according to the requirements. The visit concluded by the afternoon. The industrial visit was an enriching experience for students in getting live exposure of manufacturing which can help them in their internships and further career enhancements.



LOGIC PUZZLE

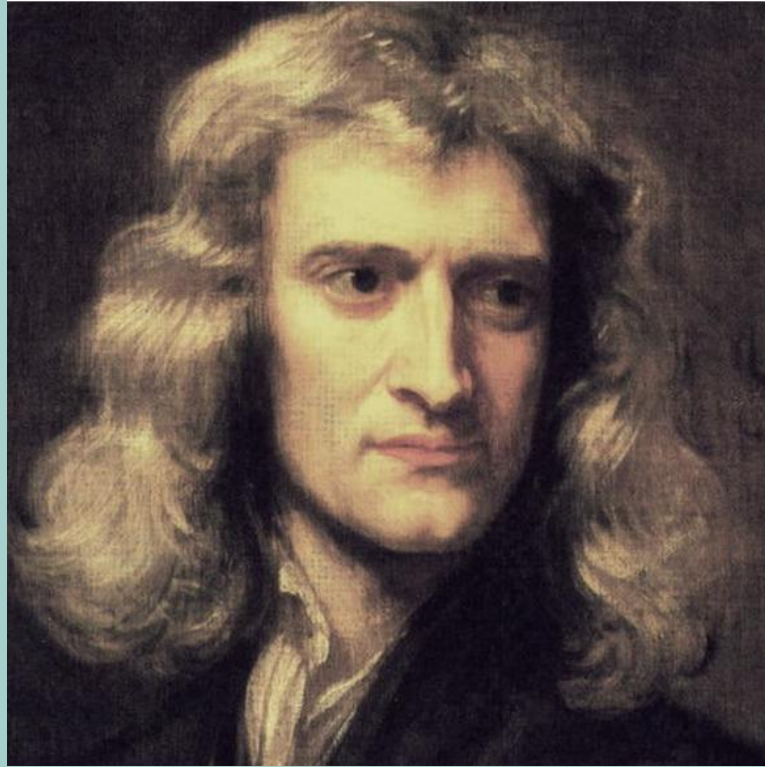
There are three boxes. One is labeled "APPLES" another is labeled "ORANGES". The last one is labeled "APPLES AND ORANGES". You know that each is labeled incorrectly. You may ask me to pick one fruit from one box

which you choose. How can you label the boxes correctly?



When you fail you learn from the mistakes you made and it motivates you to work even harder.

Things You Didn't Know About Isaac Newton



One genius dies, another one is born. Isaac Newton was born in 1642, the same year that Galileo Galilei died.

He was an alchemist. Probably the weirdest fact about Newton is that he was a firm believer in alchemy

He was also a politician. Newton served as a Member of Parliament representing Cambridge on two separate occasions.

Newton has the most valuable tooth. One of his teeth was sold in 1816 at auction for approx \$3.600.

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TECHORIZON - 2016

New Horizon College of Engineering organized a one day national conference and project exhibition “TECHORIZON-2016” on 21st May 2016. The theme of the event was “Make in India” which is a program launched by the central government to inspire young innovators and entrepreneurs. The event was sponsored by Institution of Engineers India (IEI) and supported by Indian Society for Technical Education (ISTE), Indian Society of Production Engineers (IIPE), Ministry of MSME, National Design and Research Foundation (NDRF) & other nationalized research bodies. “TECHORIZON” have offered participants an opportunity to interact with industrialists and reputed academicians from a variety of backgrounds and to debate about the latest development and trends in the field of emerging engineering and technology. It provided a unique convergence of industry expertise with UG and PG students from various technical backgrounds, and also fosters both technical and professional developments among the students of various institutes in the country. The event was inaugurated by Padmashri Dr.M.Annadurai, Director, ISRO Satellite Center, (ISAC) and presided by Dr.Manjunatha, Principal, NHCE. The chief guest inspired the young minds to be innovative, be involved and work as a team which leads to success. The Chief Guest, Principal along with Heads of various departments released the proceedings entitled “TECHORIZON-2016” which contained the abstracts of various students’ projects, published with an ISBN number 978-81-9257555-0-4. Student projects were funded by New Horizon management, VGST and KSCST, which identified and sponsored maximum number of project groups all over Karnataka, by giving financial assistance.



SMALL DEEDS DONE ARE BETTER THAN GREAT DEEDS PLANNED.

Guest Lecture – Admissions to foreign Universities



Things Every Indian Should Know About India

*By: Prof. Chethan
Kumar D S*

India has made it to the list of world's biggest players in clean energy

One of the most remarkable achievements in Global health is a polio-free India

Nearly 49% of the high-tech startups in Silicon Valley and Washington, D.C. are owned by Indians or Indian-Americans

Riddle: Which vehicle is spelled the same forwards and backwards?

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VOL-4 ISSUE- 4 NOV-2016 NHCE

PROJECT ACHIEVEMENT

Dear Team,

Greetings from QuEST Global!

Congratulations on your incredible performance in Ingenium-2016 so far.

We are delighted to inform you that your team has achieved one of the top 10 slots in this prestigious pan-India innovation competition "Ingenium-2016".

- Winning Team will travel to AIRBUS NORTH AMERICA facility
- Top Ten Teams will have an opportunity to attend the placement drive at QuEST Global

Out of 8070 team registrations from 29 states and 4 UT, your consistent outstanding performance has enabled you to reach the top 10 and it's indeed a great honor and achievement in itself. Please join us to exhibit your project to Industrial & Academic experts and celebrate Ingenium -2016 on 19th Sep 2016.

<https://www.questingenium.com/ingenium-top-10-teams.html>

Project Title: Waste Segregation Using Actuators.

Team Name: New Horizonites

Domain: Mechanical

About Project:

The rising population of India poses serious threats with regard to the availability of living space, utilization of natural resources and disposal of waste generated. Every city is grappling with the menace of ever increasing waste. One possible solution for this problem could be segregating the waste at the source. The main objective of the project is to prepare conceptual design for segregating dry and wet waste, which can separate dry, wet and metal waste from the mixture to reduce health hazards due to contamination. Based on the objectives we had designed the separator which would operate utilizing the blower power to segregate wet and dry waste.



Our Clubs: ROBOHORIZON & MECHORIZON

GANDHI JAYANTI CELEBRATION BY NHCE LEO CLUB

NHCE LEO Club had organized Gandhi Jayanti Celebration on 3rd October 2016 at the Volley Ball Court by conducting tree plantation. Jute bags also distributed to all the members present at the event to create awareness on banning plastic and its products thereby initiating “GO-GREEN” activity on the campus



ALUMNI MEET - 2016

The occasion was graced by more than 300 Alumni and their family members ranging across various batches from various parts of the country and outside the country as well. Speaking on the occasion, the principal underlined and praised the achievements of Alumni of NHCE in all walks/spheres of life. He felt that it was matter of great pride for NHCE that its Alumni are holding positions of responsibility in various Government organizations, PSUs, Private sector, Academic Institutions. Many of them are successful entrepreneurs providing jobs to others as well. He praised their contribution towards the growth of their Alma Mater and emphasized the need for further strengthening the linkage between the Alumni and NHCE and current students.



ORPHANAGE VISIT'16

On the 2nd of October, Sunday 25 members of the Leo Club went to the Love In Action children's home. It is a small orphanage located near Banaswadi. The members and the children mingled so well, neither one felt like a stranger to the other. The games played were Musical Chairs and Simon Says. The children had a break from their daily routine and had a lot of fun.

SPORTS DAY'16

A one-day Sports Meet was organized on 24.09.2016 at NHCE. Dr. Manjunatha, Principal & Dr. M S Ganesha Prasad, Dean-students Affairs & HOD-ME, inaugurated the event. The principal in his address cherished the students for their performance in academics and appreciated the students for punctuality and their interest in sports activities. Inaugural function ended after the vote of thanks by the sports advisor Mr. Prof. Ravi Kumar. The bevy of events for the day included 100m, 4×100m Invitational relays, Kabaddi, Basket Ball, Volley Ball, Tug-of-war etc. In the afternoon, few events for the staff of department also were conducted. The whole day was amazingly harmonized with students stepping out in the sun to cheer their class mates and friends. If one stood in the centre of the field on that day, one would be startled with the activity and regular cheers erupting from different corners of the field. These memories will be cherished by the mechanical engineering department for years to come.



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