

# GDEC NEWSLETTER

1<sup>st</sup> JANUARY 2014

Vol. 2

GIDC DEGREE ENGINEERING COLLEGE, ABRAMA, NAVSARI

## GDEC

. A one of a kind institution in Sanskarnagari of Navsari established under **PPP mode**. The institution is established by **GIDC Education Society** Under this scheme, along with other organizations, **Gujarat Industrial Development Corporation (GIDC)** has been selected by the State Government as a partnering organization for Engineering College in Navsari District. Accordingly, GIDC constituted the Society, namely "GIDC Education Society" which has been registered as Society under the Society Registration Act, 1860 under Registration No. GUJ:1769: Gandhinagar dated 14 - 07 - 2010 and also registered as Charitable Trust under the Bombay Public Trust Act, 1950 vide Registration No. F: 1723: Gandhinagar dated 14-07-2010. **The GIDC Education Society**, has now set up the Engineering College named as "GIDC Degree Engineering College" at Village Abrama, Taluka Jalalpore, District Navsari, which is on the pattern of Self-Financed Institutions.



Newsletter published by Dr.K.N.Mistry on behalf of GIDC Engineering College, AbramA, Navsari

## "FUNDAMENTALS OF TRIBOLOGY"

One day seminar on 'Fundamentals of Tribology' was organized at GIDC Degree Engineering College, Abrama, Navsari on 4<sup>th</sup> October 2013. The objective of the seminar was to provide a meeting place for engineers coming from both, the industry and the academia to share fundamentals, last trends and challenges in different applications where tribology is involved.



**Shri Ashokbhai Shukla**  
Guest of Honour

This seminar was preconference part "International conference on Advances in Tribology and Engineering Sysyem" to be held on 15-17 October 2013 at Gujarat Technological University and L. D. College of Engineering Ahmedabad. Prof.H.S.Patil ended the ceremony with a vote of thanks.

## VARIOUS ESTEEMED SPEAKERS AT THE SEMINAR

**Shri. Janmesh Pandya**  
Deputy General Manager  
Essar Steel India Ltd.  
Essar Learning Centre.  
(Speaker on Oil Analysis in Industry)



**Discussed basics about Oil Analysis:  
What is oil analysis and why should you  
do it?**

When a patient goes for a medical checkup, a blood sample is usually taken and the results help the doctor determine if there are any problems with vital organs. Similarly, because oil is the lifeblood of machinery, analysis can help detect a developing problem in the oil-wetted path of a machine. Today, oil analysis is beginning to take its place alongside vibration monitoring as an indispensable and valuable element of industrial predictive maintenance.

- Examine the three facets of oil analysis.
- Explore how oil analysis complements vibration monitoring.
- Discuss the steps for establishing an oil analysis program.
- Provide advice on oil sampling.
- Offer thoughts on using your senses, post-mortems, and quality

**Dr. H. C. Patel, Associate Professor, L.D. College of Engineering, Ahmedabad  
(Speaker on the topic of iCATES2013)**

Our Speaker shares the knowledge about International Conference on Advances in Tribology and Engineering Systems i.e. ICATES 2013 helds on 15-17 October, 2013 at L. D. Engineering College.

During the last decade the industrial development has moved on fast putting which has witnessed progressed in various dimensions in the Gujarat State and worldwide. The things stand today tribology – a branch of science and technology of rubbing surfaces has become an integral part of day to day life. It is not surprising to see that in the human body the blood works as a lubricant. This means the bio tribology has been in existence since the inception of the human being.

Therefore it was deemed appropriate to bring academicians and engineers under one platform to interact with one another. Thus, this conference has been designed to serve the purpose up to some extent in this direction. Very well this mutual sharing of knowledge may lead to solution of some tribology problems, ultimately leading to it using industrial design. Persons from industry and academic have been craving for the experimental aspects and theoretical aspects. So this conference may provide a platform to share their views which may concretize in the long run.



## FUNDAMENTALS OF TRIBOLOGY

Our Principal discussed the basic knowledge about Tribology. The scientific definition of Tribology can be derived, as "It is the science and technology of interacting surfaces in relative motion and applications related to such interactions during relative motion". Shared with students the brief Fundamentals about Tribology and also shared knowledge about current research topics in Tribology Process applied to Engine components: mainly Piston Ring assembly and Cylinder liner and follower shims materials.



## STUDENT ACHIEVEMENTS

Following students of GIDC Degree Engineering College, Abrama, Navsari have achieved commendable success in robotic competition at various levels.

- 1) Mr. Utsav Soni (Branch : Mechanical Engg.) (Enroll. No. 121100119012)
- 2) Mr. Hardik Ghoghari (Branch : Mechanical Engg.) (Enroll. No. 121100119055)
- 3) Mr. Siddharth Prasad (Branch : Computer Engg.) (Enroll. No. 121100107007)

Robotic Competition	Rank
Techfest 2013 (IIT Bombay)	17 <sup>th</sup> in Asia
Techtonic 2013 (GEC, Bharuch)	1 <sup>st</sup>
Uttkranti 2K13 (MGITER, Navsari)	2 <sup>nd</sup>
KSHITIJ (SCET, Surat)	2 <sup>nd</sup>
Aayam 2013 (B. M. Trust)	1 <sup>st</sup>

## WINNING TEAM OF VOLLEYBALL CHAMPIONSHIP GTU SOUTH ZONE

