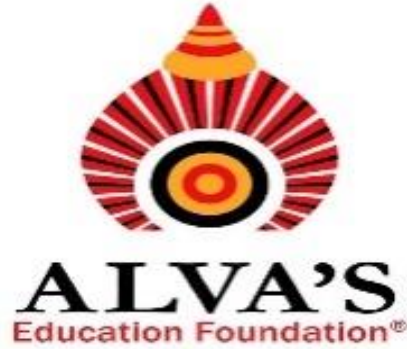


**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Shobhavana Campus, Mijar – 574225, Moodbidri.

Dakshina Kannada Karnataka, India.



A Report on

**NEWS LETTER YANTRA 2016-17**

**Department of Mechanical Engineering**



# YANTRA

## MECHANICAL DEPARTMENTAL

Volume: 1 issue : 1

As the editorial team of our departmental newsletter “YANTRA”, we feel overwhelmed to be a part of this consecutive edition.

The pleasure and the responsibility of making the departmental newsletter is unparalleled and is experienced by every other member of the team alike. One of the challenges faced by us has been to constantly change and re-invent the newsletter in order to appeal to a larger section of students and staff alike.

Your contribution is highly important to us since this whole initiative of YANTRA been to improve the skills and knowledge of students.

There are a lot of entrepreneurs, businessmen, technical geniuses, innovative scientists hidden in our department who are yet to realize their potential. The department & management is striving to improve your technical skills & soft-skills.

With the activities, events, workshops which have been planned to be put into action, your skills and confidence are bound to go higher. At this highly esteemed moment, we feel deeply obliged to thank our beloved Chairman Dr. M. Mohan Alva, Managing trustee Shri. M.Vivek Alva , our respected Principal, Dr. Peter Fernandes , Head of the Department, Prof. Suresh K V , staffs and advisors who have been very helpful, encouraging and supportive in this journey and much more to come. Their continuous support has made the expectations to rise and this has indeed

### Editorial Board :

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## ***From HODs desk***



***Greetings to faculty and students!***

***It gives an immense pleasure to release annual newsletter of Mechanical Engineering Department for the year 2016-17. During last year, various curricular and co-curricular activities were conducted successfully by the department. Participation of Mechanical Engineering faculty in various training programs and International conferences was the most encouraging factor, which we want to continue in coming years also. Through periodic seminars, symposia, workshops, industrial visits and industrial training as integral parts of the course, the student were equipped with technical knowledge, critical thinking skills and creativity to excel in the engineering profession. The mechanical engineering department is committed to create conducive atmosphere for the development of young brains into bright professionals of future. I believe, that in the years to come, armed with commitment and perseverance of faculty and staff, the department will continue to be the trend-setter in offering an array of curricular and co-curricular activities in order to achieve academic excellence***

## TECHNICAL TALKS

Along with regular theory & practical classes, Students are benefitted from Technical talks by Industrial / Academics experts, including IIT, NIT etc. About 250 to 300 students of 5<sup>th</sup> semester & 7<sup>th</sup> semester were present in every technical talks. Total 5 Technical Talks conducted in odd semester 2017-18, odd semester.

| DATE                | TOPIC                                                                         | RESOURCE PERSON                                                                              |
|---------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 20th August 2016    | <b>“Engineers 2020 Aspirations and attributes”</b>                            | <b>Dr. Dattakumar</b><br><b>Head -staff development and training ,</b><br><b>VTU Mysore.</b> |
| 23rd August 2016    | <b>“Fundamentals of Fluid dynamics and developments with respect to DRDO”</b> | Dr. SA Khan<br>Former scientist DRDO.<br>Professor ,<br>Malaysian technical university.      |
| 30th August 2016    | <b>Six Sigma Tool For Engineers”</b>                                          | Mr. Adhesh Krishnan<br>HR Head Six Sigma School Bangalore.                                   |
| 20th September 2016 | <b>Corporate Strategy and Planning”</b>                                       | Mr. I. Chandrakanth Rao<br>Ex- Director Aditya Birla Group                                   |
| 19th October 2016   | <b>“Corporate Expectation from graduate Engineers ”</b>                       | <b>Mr. B.C Rao</b><br><b>Managing Director,</b><br><b>Kennametal Ltd. Bangalore.</b>         |
| 22nd October 2016   | <b>“Design, selection and testing of materials in aerospace domain”</b>       | <b>Mr. Madev Nagaral.</b><br><b>Design Engineer HAL Ltd. Bangalore.</b>                      |
|                     |                                                                               |                                                                                              |

Along with regular theory & practical classes, Students are benefitted from Technical talks by Industrial / Academics experts, including IIT, NIT etc. About 250 to 300 students of 6<sup>th</sup> semester & 8<sup>th</sup> semester were present in every technical talks. Total 5 Technical Talks conducted in odd semester 2017-18, even semester.

| DATE                           | TOPIC                                                                   | RESOURCE PERSON                                                                                                                                                |
|--------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21st February 2017             | NDT techniques                                                          | <b>Shri Shankaran V</b><br>Gama Engineering Services pvt Ltd.                                                                                                  |
| 25 <sup>th</sup> February 2017 | Expectation from engineer for Make in India Drive.                      | <b>Mr. Prasasuraman R</b><br>Dy Managing Director,<br>Toyota Kirloskar pvt ltd<br>Bangalore.                                                                   |
| 7th March 2017                 | Role of engineers in operation and maintenance of petroleum refineries. | <b>Mr. Pradeep Kumar</b><br>Sr Manager<br>OMPL Mangalore.                                                                                                      |
| 14th March 2017                | Optimization Techniques in Engineering                                  | <b>Dr. C.D. Madhusoodana</b><br>Additional General Manager<br>Ceramic Technological Institute, BHEL,<br>Bangalore<br>Dr. Srinivasa Reddy,<br>Principal RLJIT , |
| 15th April 2017                | Effect of Coal combustion on Boiler performance in thermal Power plant  | <b>Dr. Anand Kumar G,</b><br>Head Training and Engineering officer,                                                                                            |

# Swacch Mijar Abhiyan



Mechanical Engineering Department of Alvas Institute of Engineering and Technology launched 'Swacch Mijar' campaign at Thodaru junction on 04.11.2014. Youth minister Sri K. Abhayachandra Jain kick started the campaign and said that every citizen should participate in this campaign, only then the 'Swacch Bharath' campaign will get successful.

Dakshina Kannada district executive officer Smt. Tulasi Maddineni on the occasion said that we should focus on cleanliness to attract more and more visitors to the tourist spots in India.

Chairman, Alvas Education Foundation, Dr. M Mohan Alva, MITE college president Sri. Rajesh Chowta, Ex-MLA Sri. Amarnath Shetty, Vidhan Parishad member Sri. Ganesh Karnik, NCC officer Captain Shivram, Tenkamijaru Gram Pranchayath PDO Sri. Sayish Chowta, President Smt. Umavathi, Mr. Vivek Alva, Managing Trustee, and Alvas Engineering College principal Dr. Peter Fernandes were present on the occasion.

The campaign was held at Tenkamijaru Gram panchayat where Dr. M V Shetty Engg. college students, Alvas engineering college students, MITE college students, Mijar locals, Self help

groups, women groups and Mijaru gram panchayat members participated in the campaign. More than 3 thousand people actively participated in the cleaning activities.

Mechanical Engineering Department of Alvas Institute of Engineering and Technology conducted 'Swachh Mijar' campaign in Mijar on 14th Apr 2016. Chairman Dr.M Mohan Alva at the Inaugural Swachh Mijar Abhiyan. Management Trustee Shri. Vivek Alva and Prof.Kurien actively participating in the Swachh Mijar Abhiyan.

## VARISHTA KREEDAKOOTA REPORT 2016-17



A sequel of the most awaited event "Varishta kreedha koota" which is a collection of traditional games of different parts of India which are vanishing from the land are recalled once again by Engineering students which was supported by the Mechanical and other engineering Department of Alva's Institute of Engineering and Technology (AIET). Now this Varishtakreedhakoota is extended for a faculty and students of various institutes belong to Alva Education foundation on 6<sup>th</sup> November 2016.

**Mr. Rohith Kumar Kateel**, famous international athlete and Tulu film actor inaugurated the "**Varishtakreedhakoota**" event which was organized in shobhavana campus (old virasat ground) by students of engineering, naturopathy, ayurvedic, homeopathy medical and degree students and also teaching and non-teaching faculty members of AEF. All students and staff got a chance to participate and know about our rich traditional games like Lagori, Hagga Jaggaata (tug of war), chennemana, palle, Tonka Bille, Kuttidonne, Bandiaata, Goliaata, Kottalige Cricket and indoor games like Chouka bara (similar to Lido), gooliata where thousands of students participated with shells, "kavade" in Kannada and many other crowd catching games which were the cultural Heritage of ancient Karnataka. In presidential remarks Principal of AIET Dr. Peter Fernandessaid

that our traditional games are very economical, enjoyable and playable by everybody independent of gender and age and it can accommodate any no of players in small areas, this event was organized for raising the funds for noble cost. During the inauguration function, **Mr. Vivek Alva**, Managing trustee of AEF, **Prof. K.V.Suresh**, Dept. of mechanical engineering, Mr. Pavan Kumar student president (Final year, mechanical) were present. Mr. Pavan Kumar, introduced the chief guest and conveyed the vote of thanks.

The faculty members Prof. Virendrakumar, Prof. Kiran C. H, Prof. Ramesh Rao, Prof. Parikshith, Mrs. Sudina, Prof. Ritesh Shetty, Ms. Vijaya Lakshmi, Prof. Raghavendra Baliga of AIET were coordinators of different committee.

“Because of addiction to modern technology tools of entertainment like televisions and video games and modern versions of computer gaming our traditional games are disappearing fast. This event is an effort towards reviving them, and keeping the culture alive”

Today here it's been proved that Victory is not the sole intention, but the spirit of playing together