

# YANTRIKRUTHI

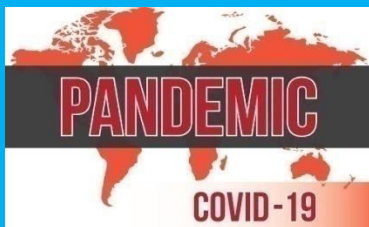
E-newsletter of Mechanical Engineering Department

VOL-8 ISSUE-2  
MAY 2020 NHCE

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Science  
may set limits  
to knowledge,  
but should not set  
limits to imagination.



MAKE  
IN  
INDIA

## Department Achievements

- **Dr. Nagendra J** Chaired the Technical Sessions during "**International conference on Emerging Trends and Challenges in Applied Sciences, Engineering and Technology**" held at **Gopalan College of Engineering** on **March 10th, 2020**.
- **Dr. Srinath M K** delivered an expert talk on "**Advances in Manufacturing Engineering**" At **Erode Sengunthar Engineering College** on **March 10th, 2020**.
- Three (3) students' projects are approved for sponsorship under 43rd series of KSCST STUDENT PROJECTS PROGRAMME: 2019 - 20
- Project titled "**Fabrication of 3 Axis Pneumatic Trailer Lift**" by **Prof. Raghu Tilak Reddy M** has been selected for FACULTY DEVELOPMENT PROGRAMME (FDP): 2019-20 sponsored by KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY.

## Guest Lecture

A Guest lecture on "**Product development and processing using DELMIA**" Software in automotive industries was delivered by **Mr. KUMAR ARPAN, Senior Solution Consultant from EDS technologies in PLM division**. He has 9 years of experience New Product Development, & Process Engineering of Various Welding, TCF Assembly –Techniques by using DELMIA as a Simulation Software. He is responsible to understand customer Requirement & give best solutions as well he is also responsible to make various POCS (Proof of Concept) to make customer to understand.



The Videos presented by speaker during this session helped the students to understand better about production and manufacturing line. The Videos of Jaguar & Land Rover car manufacturing and assembly line gave clear understanding of usage and importance of DELMIA software and how best the efficiency of production line can be improved. The speaker discussed the importance of this application in today's automotive industries and opportunities for getting placed in companies such as Mercedes, Airbus, and Land Rover etc. This guest talk benefited the student community to learn advanced simulation software DELMIA used in product manufacturing and processes.

*Education's purpose is to replace an empty mind with an open one*

## Educational Visit : HVAC Site

NHCE - ISHRAE Student Chapter arranged one day educational HVAC site visit at M/S LEELA RESIDENCY, BANGALORE on 13th March 2020. This visit was helpful to develop and enhance the practical knowledge of students and they get to know about commercial AC / VRF system works.

Prestige Leela Residences (Hal Road, HAL Old Airport Rd HAL 2nd Stage, Kodihalli, Bangalore), ultra-luxury homes set amidst lush landscaped gardens, in a style of architecture that is reminiscent of the Mysore Royal Palace. The 88-residence development is centrally- located on the Old Airport Road, Bangalore and has been tastefully designed to echo luxury blended with regal ambience. These 88 units, include 4 palatial duplex penthouses that boast of intricate detailing and ornate features such as domes, arches and ceilings. The ten-storied building is truly a one-of-its-kind lifestyle experience, which emulates luxuriant exoticism through awe-inspiring features such as overhanging eaves, vaulted roofs & domed chhatris



The capacity to learn is a *gift*; the ability to learn is a *skill*; the willingness to learn is a *choice*.

Brian Herbert

## Educational Visit : YASKAWA

N.H.C.E. - ISHRAE Student Chapter arranged one day educational factory visit at M/S YASKAWA INDIA PVT. LTD., E.CITY-1, BANGALORE on 31<sup>st</sup> January 2020, for third year (Sixth Semester) students of Mechanical Engineering. This visit was helpful to develop and enhance the practical knowledge of students and they get to know about VFD production and maintenance work .

YASKAWA journey in India began with the business of PLC in 1980 and AC drives in 1990 and steadily expanded to accommodate growing customer needs. Today, their operations span the length and breadth of the country, and India remains a central hub for their future goals, which is headed by dynamic team. They address innovation primarily through two distinct product and service categories: Drives & Motion Control and Robotics Automation. Their AC Drives division is spread over a production facility of 3 assembly lines, in a 55,000 sq.ft facility in Bengaluru.



*Technology is a useful servant  
but a dangerous master*



# Glimpses of Industrial Visit : INDIA WOOD-2020



The students VI semester have been taken to visit **INDIAWOOD 2020** on **28<sup>th</sup> Feb 2020**. The visit was highlighted for its many live demonstrations and product launches during the show. **INDIAWOOD** continues to be the largest sourcing platform for furniture manufacturers, wood-based handcraft manufacturers, saw millers, carpenters, craftsmen, architects and interior designers in the region.

During the visit, Students interacted with different exhibitors and discussed about latest technologies in wood Forming. This visit was an awareness programme for imparting knowledge on ever changing technological innovations for young engineers. Students from mechanical engineering stream understood the importance of machine tool industry growth of country.



## Forthcoming Events



**Editorial board:** Dr. M. S. Ganesha Prasad, Dr. Srinath M K, Prof. Shiva Prakash S, Prof. Puneeth, Prof. Ronald Reagon R, Prof. Manjesh B C, Prof. Santhosh A N, Mr. Sonic Somanna(6<sup>th</sup> Sem), & Mr. Parth (8<sup>th</sup> Sem)

**Advisory Committee:** Dr. C P S Prakash (Principal, Dayananda Sagar College of Engineering)  
Mr. Deepak Kamath (Technical Head of Continental India Ltd. Bangalore)  
New Horizon College of Engineering  
Ring Road, Near Marathalli, Bellandur Post - 560 103, Bangalore, Karnataka, India