

MECHAZINE

VOL: XXI

ISSUE: JANUARY 2020

SPECIAL POINTS OF INTERESTS:

- Industrial Visit
- Project of the year
- VALIANT 2K19
- SIH 2020

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INDUSTRIAL VISIT:

KUSALAVA INTERNATIONAL:

Kusalava International is one of the leading manufacturers of critical engine parts, supplying to major OEM's in India. Kusalava International also has a dominating presence in the After Market, its products are marketed under the brand name Tiger Power, and currently Tiger Power possesses a market share of 35% in India and 30% in USA. Backed by a strong Research and Development team with over four decades of manufacturing excellence in engine critical parts, today Kusalava has emerged as the market leader for developing superior products at cost effective prices in the global market.



DEPARTMENT HEAD SPEAKS:

I am elated to see volume XXI of 'MECHAZINE' which showcases the student's spirit to utilize their capability for achieving that compatibility to convert their ideas in reality. In this volume, the reader will get the taste of Project of the year "Red chilli sorting Machine". Being a Mechanical Engineer, each reader must be connected with the different Innovative ideas they may excel their motivation to do something during their engineering journey



BOOKS ARE
A UNIQUELY
PORTABLE

G S ALLOYS CASTING LIMITED & PHOTON FOOD PROCESSING ENGINEERS:

Established in 1987 G S Alloy Castings developed into one of India's prominent jobbing foundry dedicated to producing superior steel castings ranging from 50 to 27000 kgs. The company's steady growth is a reflection of its commitment to customer needs and quality. We offer cost effective solutions for the success of our customers.



NANDINA IRON & STEEL LIMITED:

Nandina Iron & Steel Limited is a foundry and deals with casting of industrial valves, alloy steel valves and supplies them to Vizag Steel Plant, Visakhapatnam. The students observed various sections such as pattern making section, preparation of moulding sand, cope & drag preparation, metal pouring, fettling section and finally the machining section where required surface finish for the components is obtained. The students were fortunate to have a view at machines such as heavy-duty lathes, planer and shaper.

Next, the students visited Photons Food Processing Engineers, which designs and manufactures various food processing equipment used in modern rice mills and fish processing plants. The students got an opportunity to understand the working of a shearing machine, bending machine and various welding processes. Fabrication of equipment is done with Mild Steel and Stainless-Steel sheets of varying thicknesses. Welding techniques such as arc welding, plasma welding, metal inert-gas (MIG) welding and oxy-fuel welding are used for joining these sheets

A total of 43 students visited the above companies accompanied by the department faculties – Mr. Mr. P. Srinivas & Mr. T. Venkateswara Rao



Visited Vijaya Industries & B S M Foundries in Tanuku



PROJECT OF THE YEAR-2020:

Project of the Year-2020 global competition was conducted by Dassault Systemes in association with APSSDC. More than 300 students with 148 project and start up ideas have participated in the competition providing digital mock-up projects across Automotive, Agriculture, Aerospace, Shipbuilding, Civil Construction, and Manufacturing.

In this competition, Mr. G. Vignesh from Dept. of Mechanical Engineering represented Vishnu Institute of Technology, Bhimavaram with the title of the project being **RED CHILLI SORTING MACHINE**. For this competition, the participants were from various parts of the world and we are happy to share that our team stood in 10th position.



WAKE UP WITH DETERMINATION. GO TO BED WITH SATISFACTION.

VALIANT 2K19:

“Vishnu’s Active Learning In Advanced New Trend”
Is A National Level Student Symposium

20th & 21st December 2019

WIN ₹2,00,000 WORTH OF PRIZES

Hackathon

Ideathon

Fiksu Carr

Tech Events

Code Champs

Projects Expo

LabView Whizz

Super Structure

BrahmOS

Drone Voyage

VISHNU UNIVERSITY LEARNING

National Level Student Technical Symposium

VALIANT

Vishnu's Active Learning In Advanced New Trends

More details visit: www.vishnu.edu.in/valiant
Bonafide certificate and ID card must be produced

Important Dates
Symposium dates: 20-21st Dec, 2019
Last date for Event Registration: 09 Dec, 2019
Selection Intimation: 17 Dec, 2019
Participants Confirmation: 19 Dec, 2019
for more details visit: www.vishnu.edu.in/valiant

Management Events

Robo Events

Creative Gallery

Games & Sports

Cultural Events

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VISHNU INSTITUTE OF TECHNOLOGY

BRAHMOS:



PROJECT EXPO:



DESIGN CHALLENGE:





**JIG SAW
PUZZLE**



**IF YOU WANT TO BE SUCCESSFUL, YOU MUST RESPECT ONE RULE
-
NEVER LIE TO YOURSELF**

SMART INDIA HACKATHON 2020(SIH)

Smart India Hackathon is a nationwide 36-hour Hackathon organized by the MHRD, Govt. of India. It started in the year 2017 and gaining huge success, it is now an annual event with SIH 2020 being the 4th edition. It is the World's Biggest Hackathon having reached out to over 10 Lakh+ students across 7218+ institutes in India. There are 2 editions of this Hackathon: Software and Hardware, here, we discuss the Software Edition



If there's even a slight chance at getting something that will make you happy, risk it. Life's too short and happiness is too rare.

GARDEN PARTY PHOTOS

GARDEN PARTY PHOTOS



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