



## Newsletter of Mechanical Engineering Association

### DEPARTMENT OF MECHANICAL ENGINEERING SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN :: AUTONOMOUS

#### **Vision of the Department**

- To be recognized globally for quality education and research leading to well-qualified, innovative, entrepreneurial and successful mechanical engineer

#### **Mission of the Department**

- To Impart quality education to enhance skills and make graduates globally competitive.
- To Prepare students to pursue lifelong learning,, serve the profession and meet intellectual,, ethical and work place challenges.
- To Provide Research facilities and opportunities to faculty & students to create,, interpret,, apply and disseminate knowledge.

#### **Program Educational Objectives**

- Have foundation in engineering and science to apply Technical Knowledge and skills in various areas of Mechanical Engineering.
- Become effective engineers to meet society's needs with their research capabilities in interdisciplinary subjects.
- Acquire skills for life-long learning and practice of professional ethics.

## BAJA SAE INDIA 2020

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Mr. N.Srinivasa Rao ,  
Assistant Professor

BAJA is an Off Road Racing Competition for all the undergraduate Engineering Students from different Universities. BAJA event has two categories of competitions one is M-BAJA and the other is E-BAJA which means Engine driven vehicles and Electric Motor driven Vehicles. Team ZIBA & E-ZIBA RACERS from Shri Vishnu Engineering College for Women (Autonomous) has been participating in BAJA SAE INDIA from past 5 years in M Baja Category and 3 years in E Baja Category.

For any category the event is carried by two phases one is Virtual Round and the other is Dynamic Round. In **Virtual Round around 400 teams from M BAJA and 80 teams from E BAJA** participates where the qualified teams are segregated based on the performance and qualify to the dynamic rounds. The dynamic rounds are conducted in Pithampur in the month of January and in Chandigarh in the month of March. Nearly 120 teams are qualified for the dynamic round in M BAJA category and 50 teams from E BAJA category for the main event in **Pithampur**. For the remaining teams it will be conducted in Punjab, Chitkara University.

This year we participated in all the events without a single breakdown and made podium finish for both the teams under the guidance of our **Faculty advisors Mr. Manoneet Kumar and Dr. Srinivasa Raju** who has always been as our backbone support throughout the event.

### BAJA SAEINDIA 2020 ACHIEVEMENTS

#### TEAM ZIBA RACERS- M BAJA

- Go Green Award
- Overall first in statics
- Overall 2nd in Design Evaluation

#### TEAM E-ZIBA RACERS- E BAJA

- CAE Award
- Durability Award
- Overall 2<sup>nd</sup> in Sales Presentation
- **Overall Championship**



## Virtual Lecture Series By The Eminent resource persons from iit's and industry

The online lecture series on the “Futuristic Trends In Research For Mechanical Engineering”, organized by the department of mechanical engineering, was held in 5 sessions i.e on 24<sup>th</sup>, 25<sup>th</sup> June and 2<sup>nd</sup> to 4<sup>th</sup> July 2020. The students and faculty members of department attended the sessions.

On the first day of the lecture series the event was inaugurated by the HOD Mechanical engineering, Dr. Ch.Hari krishna. Addressing to all the participants he said that the current pandemic is turning out to be one of the finest event which makes our life stagnant. He had also added that the lecture series is not only about sharing of knowledge, but to challenge young minds to start thinking of the world around them and responding to it within their areas of interest and specialization.

The lecture series was planned in five sessions in each session one resource person has delivered the content. The theme of the lectures are trends in research for mechanical engineers. The resource persons meticulously planned the lectures and delivered the lectures in their respective time slots.

Sustainability is a key focus for the future. Mechanical engineers are at the forefront of developing eco-friendly technologies, such as renewable energy systems, electric vehicles, and advanced waste management solutions. Sustainable design principles are becoming a cornerstone of modern mechanical engineering.

Lastly, the future of mechanical engineering includes the exploration of outer space. With the growing interest in space exploration and colonization, mechanical engineers are designing spacecraft, habitats, and propulsion systems that can withstand the harsh conditions of space and enable humanity's expansion beyond Earth.

In conclusion, the future of mechanical engineering is filled with promise and innovation. The integration of AI, advancements in materials science, nanotechnology, sustainability, and space exploration are all shaping the landscape of this field.

### Eminent Persons:

1. Dr. T. Srinivasa-  
NIT Jalandhar



2. Dr. B Anil Kumar-  
NIT Manipur



3. Dr. Chandan Mondal-  
Scientist-F DMRL



4. Dr. D. Chakradhar-  
IIT Palakhad



5. Dr. MJ Davidson-  
NIT warangal



## Student Testimonial

I am writing this testimony to express my gratitude towards the college for providing me with an exceptional learning experience in the field of mechanical engineering. During my time at the college, I was impressed with the quality of education provided by the experienced faculty who imparted theoretical knowledge, and also emphasized practicality in learnings.



When it comes to placements, I can confidently say that the college has exceeded my expectations. The placement cell provided excellent training and guidance overall, my experience at the Sri Vishnu College for women has been nothing short of outstanding, and I would highly recommend this college to anyone aspiring to pursue a career in mechanical engineering.

## Faculty attended Workshops/ Conferences



- Dr. P.Srinivasa Raju attended one week workshop on Skilling Work Force of The Future-Aerospace Domain Dassault Systems, India during 2-7th May 2020
- Dr. Ch. Hari Krishna attended one week workshop on Emerging Processes in Product Design and Development Dassault Systems, India during 25th to 30th APRIL 2020
- Dr. P.Srinivasa Raju attended one week workshop on Skilling Work Force of The Future-Aerospace Domain Dassault Systems, India during 2nd to 7th MAY 2020
- Mr. P Surya Prakash varma attended three day workshop on "Recent Trends in Research Methodology Biet, Bhimavaram during 19th to 21st MAY 2020
- Mr.B.N. Malleswararao attended one week workshop Emerging Processes in Product Design and Development Dassault Systems, India during 25th to 30th APRIL 2020
- Mr.B.N. Malleswararao attended one week workshop Skilling Work Force of The Future-Aerospace Domain Dassault Systems, India during 2nd to 7th MAY 2020
- Mr.B.N. Malleswararao attended one day workshop Low Frequency Nvh Fundamentals and Industrial Applications Dassault Systems, India during 14th MAY 2020
- Mr.B.N. Malleswararao attended one week workshop Recent Trends in Research Methodology Biet, Bhimavaram during 19th to 21st MAY 2020
- Mr. N Srinivasarao attended one week workshop Skilling Work Force of The Future-Aerospace Domain Dassault Systems, India during 2nd to 7th MAY 2020
- Mr. N Srinivasarao attended one day workshop on Low Frequency Nvh Fundamentals and Industrial Applications Dassault Systems, India during 14th MAY 2020
- Mr. N Srinivasarao attended a webinar on Engineering Simulation for Aerospace and Defence Domains Cambridge institute Of Technology during 21st MAY, 2020
- Mr J Teja Venkata Satish attended 5 day workshop on Advanced Finite Element Methods and Its Engineering Applications- Hands On Sessions University College Of Engineering(A), Kakinada during 9th to 14th MARCH 2020
- Mr J Teja Venkata Satish attended India First Leadership Talk Webinar MHRD Innovation Cell on 2nd MAY 2020
- Mr J Teja Venkata Satish attended India First Leadership Talk Webinar with Prof D. P. Singh, Chairman Ugc MHRD Innovation Cell on 9th MAY 2020

- Mr. J. V. Narasimharaju attended 5 day workshop on Additive Manufacturing Vasireddy Venkatadri Institute of Technology during 20th to 25th MAY 2020
- Mr. B. Satya Krishna attended 5 day workshop on Design Thinking Sree Vidyanikethan Engineering College, Tirupati during 20th to 25th JANUARY 2020
- Mr. D Madhav attended 5 day workshop Advanced Finite Element Methods and Its Engineering Applications- Hands on Sessions University College of Engineering(A), Kakinada 9th to 14th MARCH 2020
- Mr. D Madhav attended 5 day workshop Emerging Proceses in Product Design and Development Dassault Systems, during India 25th to 30th APRIL 2020
- Ms. Y Mounika attended 5 day workshop on Emerging Proceses in Product Design and Development Dassault Systems, India during 25th to 30th (M) APRIL 2020
- Mr. V Lakshmi Narayana attended 3 day workshop on Automotive Structures Design Using Catia Andhra Pradesh Skill Development (APSSDC) during 30th APRIL to 2nd MAY 2020
- Mr. V Lakshmi Narayana attended 5 day workshop on Emerging Proceses in Product Design and Development Dassault Systems, India during 25th to 30th APRIL 2020
- Mr. V Lakshmi Narayana attended 5 day workshop on Skilling Work Force of The Futuer- Aerospace Domain Dassault Systems, India 2nd to 7th MAY 2020
- Mr. V Lakshmi Narayana attended a webinar on Integrated Systems and Innovation In Defence Dassault Systems, India on 21st MAY 2020
- Mr. V Lakshmi Narayana attended a webinar on Engineering Simulation for Aerospace and Defence Domains Cambridge Institute of Technology on 21st MAY, 2020
- Mr. V Lakshmi Narayana attended a 3 day workshop on Design For Manufacturing and Assembly Andhra Pradesh Skill Development (Apsdc) during 21st to 23rd MAY 2020
- Mr. V Lakshmi Narayana attended a webinar on 3d Printing of Composite Materials Sri Chandrasekharendra Saraswathi Viswa Mahavidyalam, Tamilnadu on 25th MAY 2020

### Faculty Publications:

- Dr.Ch.Hari Krishna, published a paper on Damage modeling and critical damage evaluation of AA2014 cast alloy embedded with fly ash composite under upsetting in the Journal of Mechanical Engineering Science
- Mr.B. Satya Krishna, published a paper on Fatigue Analysis of Motor Cycle Alloy Wheel in the International Journal of Innovative Technology and Exploring Engineering

