



## **ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

(Unit of Alva's Education Foundation (R), Moodbidri)

Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi. Recognized by Government of Karnataka.

**A+, Accredited by NAAC & NBA (ECE & CSE)**

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

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# **DEPARTMENT OF MECHANICAL ENGINEERING**

**A TALK ON  
"RESEARCH AND JOB OPPORTUNITIES IN UNITED STATES OF AMERICA"**



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### Department of Mechanical Engineering

To

Date 21/01/23

IQAC Chairman

AIET, Mijar

Respected Sir

**Sub: Seeking Permission to conduct a technical talk on  
25/01/2023**

We are happy to inform you that Department of Mechanical Engineering technical  
forum is conducting a technical talk on 25/01/23.

Title of The Talk: **Research and Job opportunities in United states of America**

**Mode: Offline**

The details are mentioned below, kindly request you do the needful.

#### Resource person details

Name: **Dr. Codrik John Martis**

Designation: **Quality & Development Project Controls & Qualification Engineer**

Organization/Company/details: **Big River Steel , Osceola**

Venue: **CAMD lab**

Date/month/year: 25/01/2023

PRINCIPAL

Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, D.K

HOD  
H. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



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**DEPARTMENT OF MECHANICAL ENGINEERING**

aiet/Mech/AY2022-23/008

Date: 25/01/2023

**CIRCULAR**

It is hereby informed to all that Department of Mechanical Engineering, is organising a Technical talk on "Research and Job opportunities in United states of America " is arranged on 25/01/23.


Venue: CAMD Lab

Mode: Online

Talk By: **Dr. Codrik John Martis,**

Quality & Development Project Controls & Qualification  
Engineer , Big River Steel , Osceola

It is mandatory for all Students to attend the technical talk

  
**HOD**  
O.D.  
Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
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Copy to

  
**Principal**  
PRINCIPAL  
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Principal table/Deans/HODs/AO/Office/---

## A TECHNICAL TALK ON “RESEARCH AND JOB OPPORTUNITIES IN UNITED STATES OF AMERICA”



Interaction with Students after the briefing

A Technical talk was organised by Mechanical department on 25.01.2023. The description of the Talk was “Research and Job opportunities in United States of America”. The Talk was

delivered by Dr. Codrik John Martis Quality & development Project controls & Qualification Engineer, Big River Steel. Osceola.

At the outset, Mr. Chiranth, Student of Mechanical department welcomed the participants in the Technical Talk. Student of Mechanical department gave an introductory profile of the speaker. After this he requested Dr. Codrik John Martis to proceed with his Talk.

In his presentation the speaker talked about the research and job opportunities in United states of America. He started his talk by giving the introduction about his company Altair Product Design and Big River street a U.S steel company. Altair mainly focuses on FEA Analysis, Hypermesh and simlab. He worked there for around 4 and a half year. Now he is working in Big River steel which manufactures raw materials, Bumpers of car. He also explained about the Tests for Qualifications of the products where major tests are conducted to check for quality. He also told us about the Motor laminations which is done in their company. Next, he explained about his Phd Thesis Research which concentrated on Advanced high strength Steel". He explained about his work where high strength steels is the combination of high strength and high toughness material.

He told us about the Wayne State University. Where there are mainly 3 research area, they are Noise and Vibration control, Advanced materials and manufacturing, Advanced Propulsion and Energy Systems. He also told us about the requirement criteria required to join the university. He also explained about the various labs available in their campus they are

- Acoustic pseudospin and topological metamaterials laboratory.
- Acoustics, Vibration, and noise control (AVNC) laboratory.
- Advanced composites research laboratory.
- Atomic- scale predictive simulation and modelling (aPriSM) lab.
- Autonomous systems and controls lab.
- Centre for automotive research
- Dynamics, vibration and energy research group
- Combustion physics laboratory (CPL)
- Energy storage research lab
- Fluid dynamics research (FDR) Lab
- Ming- Chia lai's research group
- Soft Robotics Lab.

He also told us about the basic requirements for the Masters program such as GPA requirements, Language requirements. He also gave us a brief idea about Visa the main documents required are the letter of motivation, English proficiency test score, Transcript, Letter of recommendation. He also told us about the top 50 University of US. He also told about the top 10 automotive suppliers like Bosch, Denso, Magna, Aisin seiki etc. He also listed the top steel companies such as Nucor, BRS, Cliffs, Steel Dynamics. SMS group, Primetals, SKF.

After the talk there was an Interaction session where a lot of students asked the doubts regarding the higher studies. Dr. Satyanarayan HOD of mechanical department addressed the gathering and thanked the speaker for giving a technical talk. He also told us about the upcoming events and talks in the mechanical department. The talk was held in the CAMD lab Students from 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year benefitted from this session. And also the department faculties where the audience of this talk. Around 70 students benefitted from this session.

## FEEDBACK ON RESEARCH AND JOB OPPORTUNITIES IN UNITED STATES OF AMERICA"

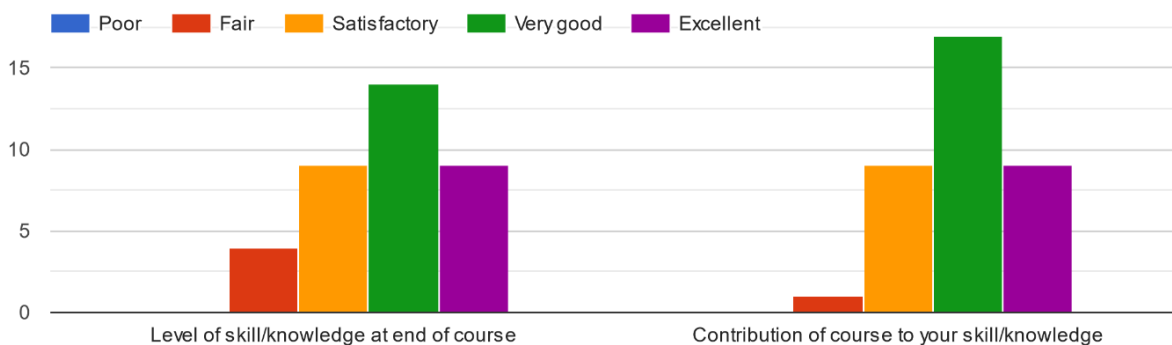


### TECHNICAL TALK ON "RESEARCH & JOB OPPORTUNITIES IN UNITED STATES OF AMERICA"

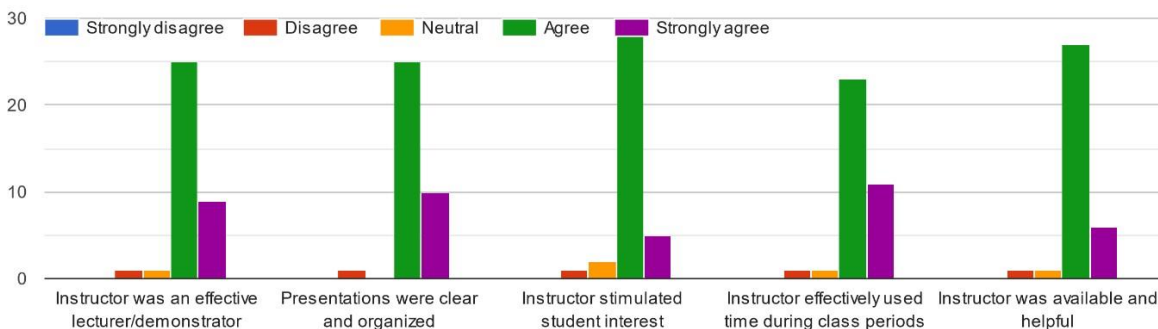
Dept. of Mechanical Engineering

Please submit feedback regarding the course you have just completed, including feedback on course structure, content, and instructor.

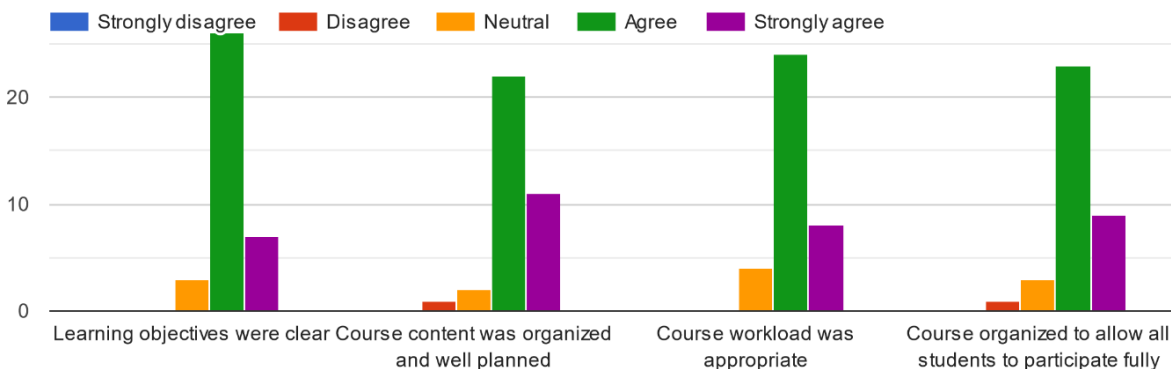
#### Contribution to learning



#### Skill and responsiveness of the instructor



## Course content



  
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