

**A REPORT OF
5 DAY INDUSTRY DRIVEN FACULTY DEVELOPMENT
PROGRAM ON**

**“CUTTING-EDGE TRENDS IN
MANUFACTURING PRACTICES”**



HELD ON

20th – 24th JANUARY 2024

ORGANIZED

BY

DEPARTMENT OF MECHANICAL ENGINEERING

In association with

**K S RESEARCH & INNOVATION
FOUNDATION**

**DEPARTMENT OF MECHANICAL ENGINEERING
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
#15, Near Vajarahalli, Mallasandra,
Kanakapura Road, Bengaluru-560109**



KSSEM
K.S. SCHOOL OF ENGINEERING AND MANAGEMENT

Kammavari Sangham K S SCHOOL OF ENGINEERING AND MANAGEMENT

(AFFILIATED TO VTU, BELAGAVI & APPROVED BY AICTE, NEW DELHI, ACCREDITED BY NAAC)



DEPARTMENT OF MECHANICAL ENGINEERING

ORGANIZING

JANUARY 20 -24, 2025

REGISTER NOW

**5 DAYS INDUSTRY DRIVEN
FACULTY DEVELOPMENT PROGRAM ON**



"CUTTING EDGE TRENDS IN MANUFACTURING PRACTICES"

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No.15, Mallasandra off. Kanakapura Road, Bengaluru-560109

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K S GROUP OF INSTITUTIONS

K S SCHOOL OF ENGINEERING & MANAGEMENT

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and

K S RESEARCH & INNOVATION FOUNDATION

Organizes



Industry Driven 5 Day Faculty Development Program

on

"CUTTING EDGE TRENDS IN MANUFACTURING PRACTICES"



Report of 5-Day Industry-Driven Faculty Development Program

Organized by

Department of Mechanical Engineering

K S Research & Innovation Foundation

on 20th -24th , January, 2025

Academic Year: 2024-25

TITLE OF THE PROGRAM:

**5 Day Industry Driven Faculty Development Program on
“ Cutting Edge Trends in Manufacturing Practices”**

BRIEF SUMMARY OF PROGRAM:

A 5-Day Industry-Driven Faculty Development Program (FDP) on “Cutting Edge Trends in Manufacturing Practices” was organized by the Department of Mechanical Engineering in association with the K S Research and Innovation Foundation. The program aimed to equip faculty members with knowledge of the latest advancements and trends in manufacturing technologies, strengthening the connection between academia and industry. Emphasis was placed on innovative practices, emerging tools, and technologies shaping modern manufacturing. Participants were given opportunities to enhance their knowledge and teaching methodologies through expert sessions, hands-on demonstrations, and interactive discussions. The initiative successfully fostered skill development and a deeper understanding of industry needs. This Program was coordinated by Dr. P N Jyothi, Professor and Prof. Harisha P, Assistant Professor, Dept. of Mechanical Engg. KSSEM.

OBJECTIVES OF THE PROGRAM:

- To equip Faculty members with the most recent developments in die and forming techniques and to match the curriculum with market trends.
- To make it possible for academic staff to use experiential and hands-on learning techniques in their instruction
- To encourage faculty members to share ideas, information, and useful insights.
- To give academic staff members firsthand experience in the business world through workshops, site visits, and conversations with business leaders.
- To establish a robust network that promotes cooperation, creates opportunities for joint research, and allows for continuous communication to stay informed about advances in the sector

SPEAKER'S & SESSION DETAILS:**PROGRAM SCHEDULE**

DAY-1 :20-01-2025			Venue- KSSEM	
Registration			9:00-10:00 AM	
Inaugural Session			10:00-10:40 AM	
<ul style="list-style-type: none"> ✓ Invocation song by Meghana, Student, MBA ✓ Welcome Address by Dr. Balaji B, Assoc. Director Adm & PR, HOD-ME ✓ Lighting of the Lamp ✓ Overview of the Program by Dr. Swamy D R. Executive Director, KSRIF ✓ Address by Chief guest ✓ Presidential address by Sri. R. Rajagopal Naidu, President, Kammavari Sangham ✓ Address by Sri. R. Leela Shankar Rao, Secretary, Kammavari Sangham ✓ Address by Sri. T. Neerajakshulu Naidu, Treasurer, Kammavari Sangham ✓ Address by Dr. K. V. A. Balaji, CEO, KSGI ✓ Address by Dr. K Rama Narasimha, Principal/Director, KSSEM ✓ Vote of thanks by Dr. P N Jyothi, Professor-ME, KSSEM 				
<i>Tea break</i>			10:40-10:50 AM	
Session 1 Introduction to Lean Manufacturing -by Mr. Shashiprakash L S Business Development Coach, Manthana, Bengaluru			10:50-12:30 PM	
<i>Lunch break</i>			12:30-1:30 PM	
Shop floor visit to Uno Minda Kyoraku Limited, Harohalli			1:30-3:30 PM	
DAY 2-4, 21-01-2025 TO 24-01-2025			Venue- Ace Multi Axes System Ltd. Bengaluru	
Date:21/01/2025 (Unit-5.1)			Timings	Break
Mr. BHASKAR C S	DGM-Continual Improvements	Introduction about the company	10:00am to 11:20am	11:20am to 11:30am
Mr. SHYAMA PRASADA P K	Manager-MR	QMS/IMS & Industrial Safety	11:30am to 01:00pm	01:00pm to 02:00pm
Mr. RAVI KUMAR H K	Sr. Manager-Production	Shop Floor Visit-Machine Shop	02:00pm to 04:00pm	03:00 pm to 03:15pm
Date:22/01/2025 (Unit-5.1)			Timings	Break
Mr. SUJEETH	Asst. Manager-Project	Supply Chain Management	10:00am to 11:20am	11:20am to 11:30am
Mr. YAKUB	Asst. Manager-Project	Customer related process	11:30am to 01:00pm	01:00pm to 02:00pm
Mr. SHIVAKUMARA B	Manager-QA	QA/QC & Documentation	02:00pm to 04:00pm	03:00 pm to 03:15pm

Date:23/01/2025 (Unit-5)			Timings	Break
Mr. KIRAN NARAYAN	DGM-Foundry	Functions of Foundry division	10:00am to 11:20am	11:20am to 11:30am
Mr. ARUN KUMAR D	Engineer-Foundry	Shop Floor Visit-Foundry & Fettleing Processes	11:30am to 01:00pm	01:00pm to 02:00pm
Mr. SHRIDHAR PRASAD M	Sr. Manager-Production	Shop Floor Visit-Machine Shop	02:00pm to 04:00pm	03:00 pm to 03:15pm
Date:24/01/2025 (Unit-5.1)			Timings	Break
Mr. TILAK KUMAR	Asst. Manager-Project & Purchase	Purchase & Stores, Cutting Tools and Manufacturing Processes	10:00am to 12:30pm	11:20am to 11:30am
Mr. SUNIL KUMAR G	Engineer-Projects	Post Machining Processes	01:30pm to 03:00pm	12:30pm to 01:30pm
Valedictory			03:15pm to 04:00pm	03:00 pm to 03:15pm

REPORT:

The 5-Day Faculty Development Program (FDP) on "Cutting Edge Trends in Manufacturing Practices" was conducted to align academia with the latest trends in industry and provide a platform for faculty to gain hands-on insights into modern manufacturing technologies. The program brought together experts, industry professionals, and educators, offering an integrated approach to manufacturing practices. Day wise sessions are reported as follows,

Day 1: January 20, 2025

Venue: KSSEM

Inaugural Session: The event commenced with a melodious invocation by Meghana, followed by a welcome address by Dr. Balaji B. The ceremonial lamp lighting symbolized the program's focus on knowledge and innovation. Dignitaries such as Dr. Swamy D R., Sri. R. Rajagopal Naidu, and other leaders delivered inspiring addresses, setting the tone for the sessions ahead.

Technical Session 1:

Topic: Introduction to Lean Manufacturing

Speaker: Mr. Shashiprakash L. S., Business Development Coach, Manthana

The session emphasized Lean Manufacturing principles such as Just-in-Time (JIT), Kaizen, and Value Stream Mapping, highlighting their relevance in reducing waste and improving efficiency in modern industries.

Industry Visit:

A visit to Uno Minda Kyoraku Limited, Harohalli, allowed participants to observe advanced manufacturing processes, focusing on plastic fuel tanks and blow-molded automotive parts.

Days 2–4: January 21–23, 2025**Venue: Ace Multi Axes Systems Ltd., Bengaluru**

Introduction to Ace Multi Axes Systems Ltd. by Mr. Bhaskar C. S., emphasizing its expertise in manufacturing precision components.

QMS/IMS & Industrial Safety session by Mr. Shyama Prasada P. K., showcasing ISO-certified systems and EHS standards.

Machine shop floor visit led by Mr. Ravi Kumar H. K., featuring state-of-the-art CNC machining equipment.

Day 3 Highlights:

Supply Chain Management session by Mr. Sujeeth, focusing on procurement, logistics, and inventory management.

Customer-Related Processes by Mr. Yakub, discussing project alignment with customer requirements.

QA/QC insights by Mr. Shivakumara B., demonstrating quality assurance systems and compliance.

Day 4 Highlights:

Foundry operations and processes were explored under Mr. Kiran Narayan and Mr. Arun Kumar D., with practical demonstrations of casting and fettling processes.

Precision machining techniques were highlighted during the machine shop visit led by Mr. Shridhar Prasad M.

Day 5: January 24, 2025

Technical Sessions: Purchase & Stores Management by Mr. Tilak Kumar, highlighting material procurement and cutting tool management.

Post-Machining Processes by Mr. Sunil Kumar G., emphasizing quality enhancement of components.

Valedictory Session:

The program concluded with a note of gratitude from the CEO of Ace Multi Axes Systems Ltd., Mr. Gopal H. Gaitonde. Participants shared positive feedback on the FDP, acknowledging

its practical relevance and insightful content. AMASL Director Mr. Prashanth Ramesh, Dr. D R Swamy, Executive Director, KSRIF, and Prof. Krishna Prasad, KSRIF Consultant were present during the Valedictory.

PHOTOGRAPHS





OUTCOMES OF THE PROGRAM:

The FDP successfully bridged the gap between academic learning and industrial practices. Participants gained hands-on exposure to modern manufacturing technologies and best practices, equipping them with valuable knowledge to enhance teaching and research. This collaborative initiative by KSSEM, KSRIF and ACE Multi Axes Systems Limited underscored the importance of integrating industrial expertise into academic frameworks, fostering innovation and skill development.

Signature of Co-Ordinators

Signature of Department Head

Signature of Executive Director, KSRIF

Signature of Principal

PARTICIPANTS DETAILS:

K S SCHOOL OF ENGINEERING AND MANAGEMENT									
DEPARTMENT OF MECHANICAL ENGINEERING									
ATTENDANCE DETAILS - INDUSTRY DRIVEN 5 DAY FDP ON "CUTTING EDGE TRENDS IN MANUFACTURING PRACTICES"									
SL NO.	NAME	DESIGNATION	ORGANISATION	MOBILE NUMBER	Signature				
					20/01/25	21/01/25	22/01/25	23/01/25	24/01/25
1	Dr. MUTHURAJU N P	Assistant Professor	Vidyavardhaka College of Engineering	9742055892					
2	Rakshith Gowda D S	Assistant Professor	Vidyavardhaka College of Engineering	8073288788					
3	Bharath P	Assistant Professor	Vidyavardhaka College of Engineering	8880962999					
4	Dr. Vivekanand S Gogi	Assistant Professor	RV College of Engineering	9449624424					
5	Brijesh C	Assistant Professor	Kalpataru Institute of Technology	7892556451	- AB -	- AB -	- AB -	- AB -	- AB -
6	ANIL KUMAR R	Assistant Professor	CITY ENGINEERING COLLEGE	8553476944	- AB -	- AB -	- AB -	- AB -	- AB -
7	KRISHNA PRASAD R	Assistant Professor	R R INSTITUTE OF TECHNOLOGY	9880371224					
8	Dr. Vishwanath K C	Associate Professor	Rajarajeswari College of Engineering	9900449906					
9	SHIVARAJ DHARENNAVAR	Assistant Professor	R N S Institute of Technology, Bengaluru	8904498721			- AB -	- AB -	- AB -
10	Vasanth Rao K P	Assistant Professor	R N S Institute of Technology	9108290771			- AB -	- AB -	- AB -
11	Gurumurthy M	Assistant professor	Jyothy institute of technology	8867999556					
12	RAJESH GL	Assistant Professor	KSIT	9916468891					
13	Dr. Younus Pasha	Associate Professor	HKBK College of Engineering	8722715742		- AB -			
14	Basavaraj A M	Senior Lecturer	K S Polytechnic	9036838254	- AB -	- AB -	- AB -	- AB -	- AB -
15	Shashikumar G S	Lecturer	K-S Polytechnic	9164329407	- AB -	- AB -	- AB -	- AB -	- AB -
16	Aakash Deep B N	Assistant Professor	KSSEM	9986346009					
17	Santhosh Kumar K J	Assistant Professor	KSSEM	7829659656					
18	GIRISWAMY B G	Assistant Professor	Sri Venkateshwara college of engineering	99004333019	- AB -	- AB -	- AB -	- AB -	- AB -
19	Satish Kumar M	HOD	K S Polytechnic	8660943225	- AB -	- AB -	- AB -	- AB -	- AB -
20	Dr Nirmala L	Associate professor	KSIT	9481425430					
21	Dr. Kasula Nagaraju	Retd. Professor & RTO officer	-	9448415004					

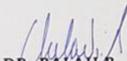
SAMPLE CERTIFICATE OF PARTICIPATION:

Kammavari Sangham
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NO. 15, MALLASANDRA, OFF KANAKAPURA ROAD, BENGALURU - 560109

 **CERTIFICATE OF PARTICIPATION** 

Mr. Krishna Prasad R

This certificate is awarded to acknowledge your active Participation in 5 days Industry Driven Faculty Development Program on **“Cutting Edge Trends In Manufacturing Practices”** organized by Department of Mechanical Engineering in association with K S Research & Innovation Foundation, on January 20th -24th , 2025


DR. BALAJI B
ASSO. DIRECTOR ADMISSIONS & PR
PROF. & HEAD, ME DEPARTMENT


DR. K RAMANARASIMHA
PRINCIPAL/DIRECTOR
KSSEM

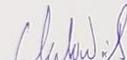

DR. SWAMY D R
EXECUTIVE DIRECTOR
KSRIF


**INSTITUTION
INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

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NO. 15, MALLASANDRA, OFF KANAKAPURA ROAD, BENGALURU - 560109

 **CERTIFICATE OF APPRECIATION** 

This certificate is awarded to acknowledge your valuable insights imparted in 5 days Industry Driven Faculty Development Program on **“Cutting Edge Trends In Manufacturing Practices”** organized by Department of Mechanical Engineering in association with K S Research & Innovation Foundation, on January 20th -24th , 2025


DR. BALAJI B
ASSO. DIRECTOR ADMISSIONS & PR
PROF. & HEAD, ME DEPARTMENT


DR. K RAMANARASIMHA
PRINCIPAL/DIRECTOR
KSSEM

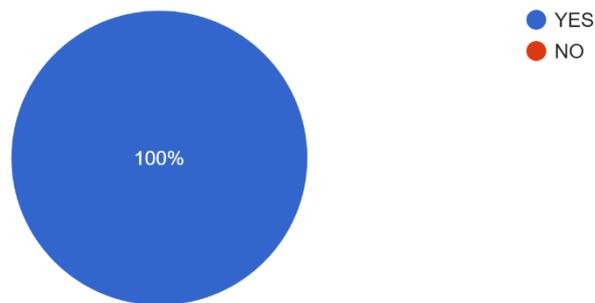

DR. SWAMY D R
EXECUTIVE DIRECTOR
KSRIF


**INSTITUTION
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PARTICIPANT FEEDBACK:

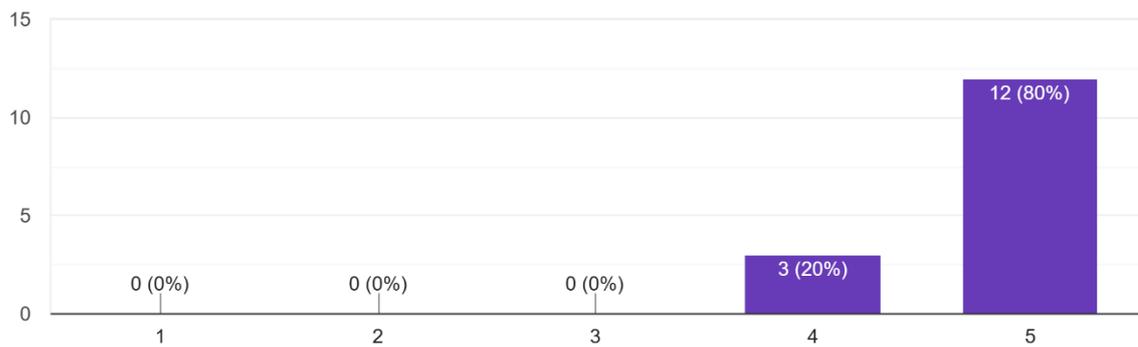
1. WEATHER THIS PROGRAM IS USEFUL?

15 responses



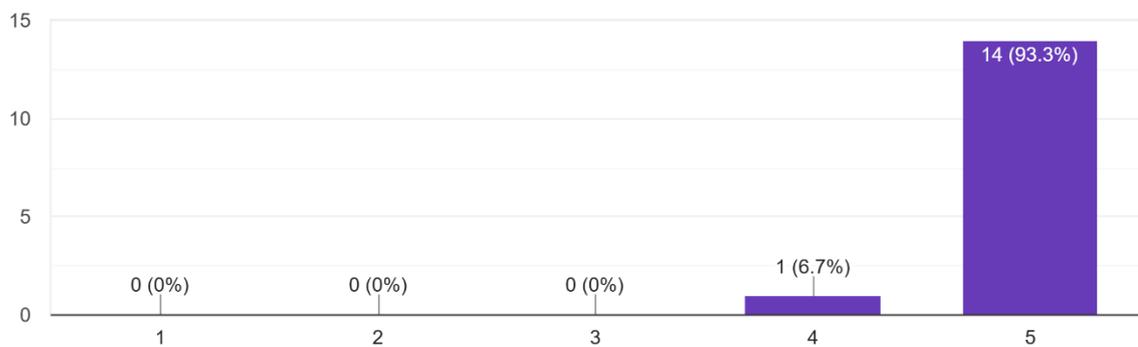
2. DID THIS FDP MEETS YOUR EXPECTATIONS?

15 responses



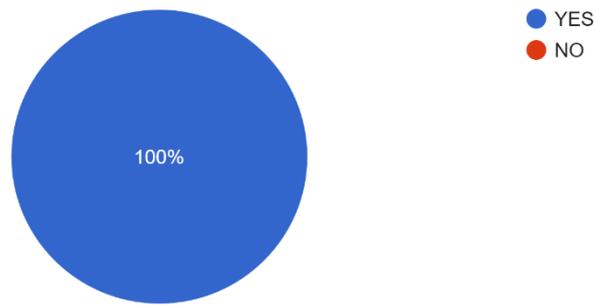
3. HOW DO YOU RATE THIS PROGRAM ?

15 responses



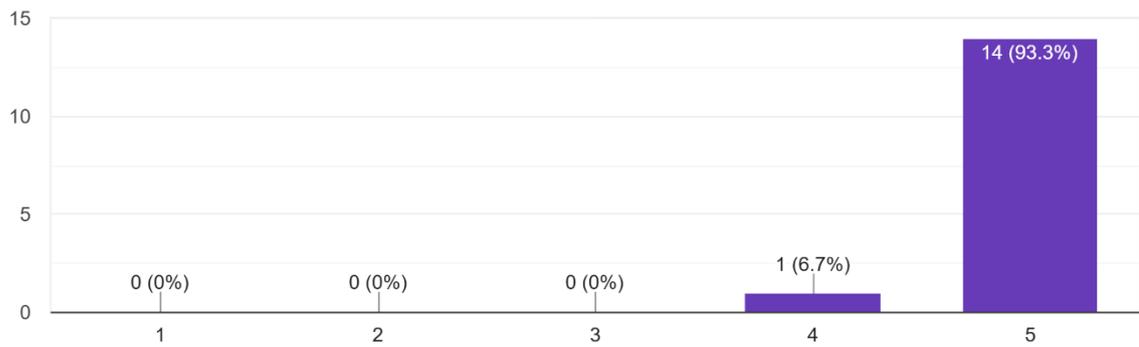
4. WOULD YOU LIKE TO ATTEND SUCH EVENTS IN FUTURE?

15 responses



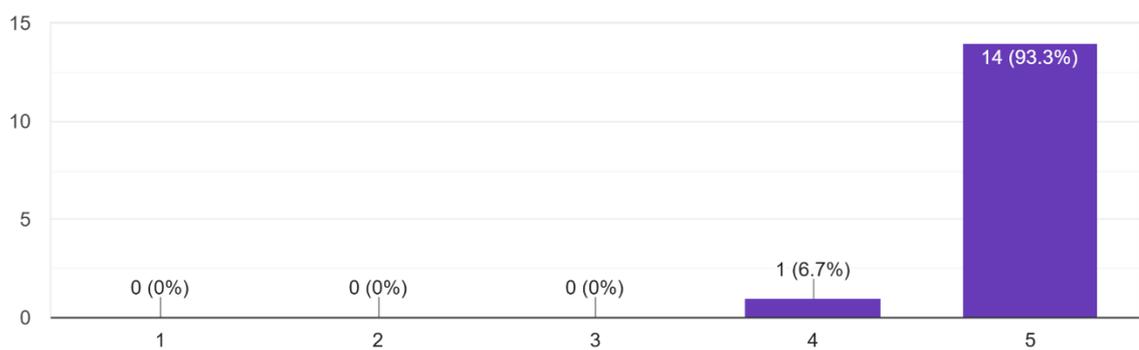
5. HOW DO YOU RATE THE COORDINATION DURING THIS PROGRAM?

15 responses



6. HOW DO YOU RATE OUR HOSPITALITY?

15 responses



ANY SUGGESTIONS

15 responses

Nil

No

Looking for more such programs in Biofuel industries

Do more of this kind thank you

Thank you for giving me an opportunity to participate in industry driven FDP. Special thanks to FDP coordinators for their wonderful coordination throughout the program.

well planned and Excellently organized

Very good Programme,actually we are theoretical persons,but college is arranged practical in the factory premises .

Overall a very good effort