



KPR Institute of Engineering
and Technology
(Autonomous)
Avinashi Road, Arasur, Coimbatore - 641 407



INDIAN WELDING SOCIETY (IWS)

ANNUAL REPORT
ACADEMIC YEAR 2024-25

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VISION AND MISSION OF KPRIET

VISION

- To become a premier institute of academic excellence by imparting technical, intellectual and professional skills to students for meeting the diverse needs of industry, society, the nation and the world at large

MISSION

- Commitment to offer value-based education and enhancement of practical skills.
- Continuous assessment of teaching and learning processes through scholarly activities.
- Enriching research and innovation activities in collaboration with industry and institutes of repute.
- Ensuring the academic processes to uphold culture, ethics and social responsibilities.

QUALITY POLICY

- KPRIET is committed to provide quality education and training for achieving academic excellence in the fields of Engineering and Technology to cater for the changing and challenging needs of industry and society
- KPRIET strives to consistently provide educational services to meet or exceed the requirements and expectations of students and other stakeholders
- KPRIET is committed to ensure a quality management system for conscious, consistent and catalytic improvement in all its core activities

Indian Welding Society

2024 - 2025

VISION

To be a leading global community linking industry, research and academicians for the advancement of welding Science and Material joining.

MISSION

To advance welding and joining through a worldwide network

Long term Goal

- ✚ To promote education, training and qualification in welding in India in parallel with international standards that are globally recognized and accepted.
- ✚ Foster R&D in welding.
- ✚ Promote health & safety in welding.

Short term Goal

- ✚ To facilitate exchange of ideas, information, development work etc. amongst members; by organizing lectures, workshops, seminars, symposia, conferences and development programs; publish periodicals, books, journals, and magazines; and develop software and educational programs, video films and training packages relating to the objectives of the Society.
- ✚ To provide Training and education of rural youth in welding and help them to settle for a quality life.
- ✚ To promote professional exchange of information, experience and advanced training within and among various countries across the globe.
- ✚ To offer flexible class room/distance learning programs in various aspects of welding & related technology that suit to requirements of various levels.

IWS MEMBERS 2024-25**FACULTY MEMBERS:**

S. No.	Name of the Faculty Member	Designation	Department
1	Dr. B.Arulmurugan	AsP	MECH

STUDENT MEMBERS:

S.No	Full Name	Dept	Year	Section
1	DHAYAHARI MOHAN E	ME	IV	A
2	AMAL BABU E S	ME	IV	A
3	KAVIN PRABHU S	ME	IV	A
4	DANUSH PRANAV A S	ME	IV	A
5	AHAMED MUYEEZUDEEN M	ME	IV	A
6	ANTO MONISH W	ME	IV	A
7	DARSHAN G	ME	IV	A
8	DERICK ANDROW PRINCE F	ME	IV	A
9	BALAJI N	ME	IV	A
10	ARUN KUMAR M	ME	IV	A
11	HEMACHANDRAN R	ME	IV	A
12	BHARANIDHARAN K	ME	IV	A
13	JEEVA M	ME	IV	A
14	GOKUL R	ME	IV	A
15	DHANUSH S	ME	IV	A
16	ARUN V	ME	IV	A
17	JAIRAM P	ME	IV	A

18	KABEESH C	ME	IV	A
19	JAYARAMABHARATHI S	ME	IV	A
20	ARUN K	ME	IV	A
21	BUVANESH B V	ME	IV	A
22	GURUPRASAD S	ME	IV	A
23	DHANASU S	ME	IV	A
24	ANBU RAJA P	ME	IV	A
25	JASHWA ARUN KISHORE S	ME	IV	A
26	BALAMURUGAN S	ME	IV	A
27	KISHORE R	ME	IV	A
28	SUDEEP R	ME	IV	B
29	SIVA VISAGAN R K	ME	IV	B
30	MANJUNATH J P	ME	IV	B
31	SUDARSAN T	ME	IV	B
32	VISHNU M	ME	IV	B
33	SIBI NANDHAN S	ME	IV	B
34	ROHITH S	ME	IV	B
35	RAMANEEDHARAN K S	ME	IV	B
36	NAINA MOHAMED M A	ME	IV	B
37	MITHUN N S	ME	IV	B
38	MELVIN INFANT M	ME	IV	B
39	VISWANATHAN R	ME	IV	B
40	RAGUL KUMAR M	ME	IV	B
41	SANJAY N	ME	IV	B

42	THIRUVASAKAN	ME	IV	B
43	PRAVEEN R	ME	IV	B
44	THIANESHWARAN K	ME	IV	B
45	RAHUL V	ME	IV	B
46	VIGNESH M	ME	IV	B
47	REVANTH P	ME	IV	B
48	RAGHAV G	ME	IV	B
49	NELLAI KATHIRAVAN N	ME	IV	B
50	RAGA SHAKTHI KANNAN G	ME	IV	B
51	VARUN K	ME	IV	B
52	ABHISHEK M S	ME	III	-
53	AJAY KRITHIKSEN S	ME	III	-
54	AKASH G	ME	III	-
55	AKILESH R A	ME	III	-
56	ANBU SELVAN R K	ME	III	-
57	ANDREW MANIKAM R	ME	III	-
58	ANUVIND E	ME	III	-
59	ARAVIND S	ME	III	-
60	ARMAAN SHALIK A M	ME	III	-
61	ARUN KUMAR T	ME	III	-
62	ASHOK NARAYANAN N	ME	III	-
63	ASWINKUMAR M	ME	III	-
64	DHANUSH KUMAR S	ME	III	-
65	DINESH K	ME	III	-

66	DINESH R	ME	III	-
67	GEORGE ANTONY M	ME	III	-
68	GOKULAKRISHNAN E	ME	III	-
69	GOKULNATH M	ME	III	-
70	GOPIKISSHORE S	ME	III	-
71	HARISHKUMAR R	ME	III	-
72	HARSHAVARDHAN S	ME	III	-
73	JEFFREY DANIEL J	ME	III	-
74	JAYAWANTH P	ME	III	-
75	JOEL WINFRED GIBSON S	ME	III	-
76	KANNAN R	ME	III	-
77	KARMUKIL L	ME	III	-
78	KARTHICK RAJA P T	ME	III	-
79	KISHORE V B	ME	III	-
80	NISHAANTH KUMAR S S	ME	III	-
81	NISHAANTH S	ME	III	-
82	NISHANTH D	ME	III	-
83	PRAVEEN C	ME	III	-
84	RAHUL V	ME	III	-
85	SANJAY M	ME	III	-
86	SANJAY V	ME	III	-
87	SANJAYAN A	ME	III	-
88	AKASH R	ME	II	-
89	ALAGU SANJEEV SAKTHIVEL	ME	II	-

90	ARSATH ARIF TS	ME	II	-
91	AUGUSTINE JEBARAJ A	ME	II	-
92	BALAJI M	ME	II	-
93	DANANJAI GUGAN R R	ME	II	-
94	DHINAKARAN A M	ME	II	-
95	DINESH KUMAR R	ME	II	-
96	GANESH G S	ME	II	-
97	HARI PRASATH S	ME	II	-
98	HEM ADITHYA K	ME	II	-
99	HERSON EDISON K	ME	II	-
100	INDHRAJITH VU	ME	II	-
101	JOSHUA B	ME	II	-
102	KISHORE S	ME	II	-
103	KRISHNA PRASAD G	ME	II	-
104	MANO SACHIN SAMAYANAN M	ME	II	-
105	MARO S G	ME	II	-
106	MATHESH K	ME	II	-
107	MONESH R	ME	II	-
108	KPS MOUNA	ME	II	-
109	MUTHUPANDI M	ME	II	-
110	NANDHAKUMAR T	ME	II	-
111	TOM DAVID NYAMUSORO	ME	II	-
112	PRANAV ADHITHYA MS	ME	II	-
113	PRAVEEN S V	ME	II	-

114	ROHITH M	ME	II	-
115	SABARISH BN	ME	II	-
116	SAMUEL RICHARD JOSHUA.D	ME	II	-
117	SATHVIKA R	ME	II	-
118	SHARJIT SHAM SUNDAR C	ME	II	-
119	SUTARSHAN C	ME	II	-
120	VIGNESHWARAN D	ME	II	-
121	SANGEETH BHARATHI M	ME	II	-
122	SELVA KUMAR T	ME	II	-

IWS Office bearer for Academic Year - 2024-2025

Position	Student Name	Mobile Number	Class
President	Mr. Balamurugan S	9361595062	IV Mech A
Secretary	Mr. Solaiyappan K	9514517161	IV Mech B
Treasurer	Mr. Karmugil L	9842040464	III-Mechatronics
Vice President	Mr. Dinesh K	6369666802	III Mech A
Joint Secretary	Mr. Harish Kumar R	8825821989	III Mech A
Deputy Treasurer	Mr. Akhilesh R A	6383678511	III-Mechatronics

Executive Members

Mr. Dharanish S	8056741410	III Mech A
Mr. Mano Sachin Samayanan M	7845682927	II Mech A
Mr. Praveen S V	9360255875	II Mech A
Mr. Sabarish B N	8220402928	II Mech A

EVENTS PLAN FOR THE AY 2024-25

Event No.	Date	Type of Event	Title of the Event
1	4.8.2024	Guest Lecture	Challenges and Opportunities in Robotic welding
2	07.08.2024	Technical Discussion	CODISSIA Defence Innovation and Atal Incubation Centre (CDIIC)
3	21.10.2024 & 26.10.2024	One Credit course	One Credit course on Non Destructive Testing and robotic welding
4	26.10.2024	Hands on Training	Hands on Training- Robotic welding – Linear & Circular programming
5	16.1.2025	Industrial visit	Industrial visit to Kavin Inc., Coimbatore
6	24.12.2024	Guest Lecture	Welding of materials used in Aerospace industry
7	3.2.2025 to 15.3.2025	Skill Development program	Robotic welding & Additive Manufacturing

Faculty Co-ordinator**HoD/MECH**

EVENTS CONDUCTED FOR THE AY 2024-25

SNo	Event No	Event Type	Event Name	Date		Participant Count
				From	To	
1	ME/2024/069	Skill Development Program	Valedictory Ceremony of 180-Hour Skill Development Program on Robotic Welding and Additive Manufacturing	12-02-2025		18
2	ME/2024/061	Guest lecture	Pratham, Pragati, Samriddhi - Financial Planning	08-03-2025		134
3	ME/2024/003	FDP	TRLS and their importance in project mapping	24-07-2024		39
4	ME/2024/002	Guest lecture	Scientific Working	19-07-2024		74
5	ME/2024/063	Workshop	One Day Workshop on Robotic Welding	15-03-2025		84
6	ME/2024/062	Hands on Training	Hands on Training on "Non Destructive Testing"	08-03-2025		15
7	IWS/2024/003	Hands on Training	Hands on Training- Robotic welding – Linear & Circular programming	26-10-2024		14
8	IWS/2024/001	Technical Discussion	Technical Discussion with CODISSIA Defence Innovation and Atal Incubation Centre	07-08-2024		04
9	ME/2024/049	One Credit course	One Credit course on NDT and robotic welding	21.10.2024 – 26.10.2024		14

B. Amey

Faculty Co-ordinator



HoD/MECH

IWS/2024/001: Technical Discussion with CODISSIA Defence Innovation and Atal Incubation Centre (CDIIC)

Top Sheet

Event No	IWS/2024/001
Status	Post-Event Submitted
Name	Technical Discussion with CODISSIA Defence Innovation and Atal Incubation Centre (CDIIC)
Date and Time	07-08-2024 11:30 AM to 01:00 PM
Mode	Off Campus
Type	Expert Discussion
Level	Institute
Organized For	Teaching
Related SDG	4: Quality Education, 7: Affordable and Clean Energy
Department	IWS
Asso. Department	CFRD
Venue	CODISSIA Defence Innovation and Atal Incubation Centre (CDIIC)
Industry Participants	2
Other Participants	2

Staffs Involved

No	Full Name	Role
1	ME035 - Dr. ARULMURUGAN B	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Chief Guest	Dr.P.K.Panda	Chief Scientist & Head (Retired)	pkpanda.nal@gmail.com	CSIR-National Aerospace Laboratories

Event Description

Technical Discussion with CODISSIA Defence Innovation and Atal Incubation Centre (CDIIC)

Actual Outcome and Report of the Event

The meeting with CDIIC - CODISSIA Defence Innovation and Atal Incubation Centre, attended by Dr. Vinod Kumar, Dr. P.K. Panda (Chief Scientist & Head, Retired, Materials Science Division, CSIR-National Aerospace Laboratories, Kodihalli, Bangalore), and Dr. B. Arulmurugan (KPRIET), explored several collaborative opportunities. Key points included an invitation to apply for the Technology Development Fund (TDF) Scheme, aimed at advancing technology readiness levels (TRL3 onwards), developing innovative defence technologies, and substituting imports with indigenous components, with a two-year development timeline and grants for industry-academia collaboration (academic involvement capped at 40%). Participants were encouraged to submit SUO MOTO proposals for uninitiated projects, praised for the successful drone show by the KPRIET ARC Club, and recommended to establish an industry for application-oriented drones with 50% financial support from CDIIC. The need for NABL accreditation for labs involved in defence projects was emphasized, along with placement opportunities for four mechanical engineering students. Attendance at the International Defence Industrial Exposition on 15th August 2024 at AF Station, Sullur, was encouraged, with a registration deadline of 9th August 2024 requiring a bonafide certificate. Membership opportunities with an annual fee of Rs. 11,800 were highlighted, and participation in the High Tech Challenge was encouraged. Additionally, Dr. P.K. Panda's expertise was requested for developing high-equivalent materials for defence applications.

IMG1



IMG2



*** END ***



ME/2024/061: Pratham, Pragati, Samriddhi - Financial Planning

Top Sheet

Table with 2 columns: Field Name, Value. Fields include Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Asso. Department, Involved Subject Hours, Venue, Other Participants.

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, ME035 - Dr. ARULMURUGAN B, Coordinator.

Resource Persons

Table with 6 columns: No, Type, Name, Designation, Email, Organization. Row 1: 1, Chief Guest, Arivazhagan C K, Empanelled Trainer, , National Stock Exchange.

Event Description

The upcoming financial literacy program, to be conducted by C.K. Arivazhagan, an empanelled trainer to NSE, will introduce students to essential financial concepts across three levels. Level 1 - Pratham will focus on financial planning for first-year students, while Level 2 - Pragati will cover the basics of capital markets for second-year students. Level 3 - Samriddhi will provide insights into active investing for third-year students. The sessions will be highly interactive, equipping students with practical knowledge to make informed financial decisions. The program is expected to receive an enthusiastic response, fostering a strong foundation in financial literacy among participants.

Actual Outcome and Report of the Event

The financial literacy program conducted by C.K. Arivazhagan, an empanelled trainer to NSE, successfully introduced students to key financial concepts across three structured levels. Level 1 - Pratham: First-year students gained a fundamental understanding of financial planning, including budgeting, savings, and goal setting. Level 2 - Pragati: Second-year students developed insights into capital markets, learning about stocks, bonds, and investment strategies. Level 3 - Samriddhi: Third-year students explored active investing, delving into risk management, portfolio diversification, and market analysis. The interactive sessions engaged students effectively, fostering critical thinking and practical application of financial principles. Participants showed increased confidence in making informed financial decisions, ensuring a strong foundation in financial literacy. The program received an overwhelmingly positive response, with students expressing enthusiasm for future sessions and deeper financial education opportunities.

POSTER



IMG1



IMG2



*** END ***

ME/2024/002: SCIENTIFIC WORKING

Top Sheet

Event No	ME/2024/002
Status	Closed
Name	SCIENTIFIC WORKING
Date and Time	19-07-2024 09:30 AM to 09:30 AM
Mode	Off Campus
Type	Seminar
Level	Dept. Level
Organized For	Others
Related SDG	4: Quality Education
Department	ME
Venue	CARE Studio
Online Medium	Zoom
Meeting Link	https://zoom.us/j/93068465275
Faculty Internal Participants	20
Faculty External Participants	4
Students Internal Participants	50

Staffs Involved

No	Full Name	Role
1	ME035 - Arulmurugan B	Coordinator
2	ME093 - Vignesh Kumar N	Coordinator

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Resource Person	Prof Thomas Carolus	Chair of Fluid Mechanics and Turbomachinery	thomas.carolus@uni-siegen.de	University of Siegen, Germany

Event Description

The Department of Mechanical Engineering at KPRIET is hosting a Scientific Working Seminar featuring Prof. Dr.-Ing. M.Sc. Thomas Carolus, Chair of Fluid Mechanics and Turbomachinery from the University of Siegen, Germany. Prof. Carolus is a distinguished researcher specializing in aerodynamic noise, acoustic design of fans, and environmental engineering. He has made significant contributions to the field, resulting in quieter and more efficient fan designs that have influenced industry standards. With over 100 scientific papers and several influential books to his credit, Prof. Carolus is a leading expert in his field. This seminar provides a unique opportunity for attendees to gain insights from Prof. Carolus's extensive experience and expertise. Additionally, Prof. Carolus will be available for technical discussions from July 17 to August 9, 2024, between 09:00 AM and 05:30 PM. The event showcases KPRIET's commitment to providing access to world-class expertise and aligns with the institution's impressive array of mechanical engineering facilities, including CNC machines, 3D printers, and various testing equipment.

Actual Outcome and Report of the Event

On July 19, 2024, the KPR Institute of Engineering and Technology hosted an International Seminar on 'Scientific Working,' featuring Prof. Dr.-Ing. M.Sc. Thomas Carolus from the University of Siegen, Germany. The online event, conducted via Zoom, attracted a diverse audience of academics, industry professionals, and alumni, all eager to enhance their research skills and gain insights from a distinguished international scholar. Prof. Carolus, renowned for his expertise in fluid mechanics and turbomachinery, delivered a comprehensive presentation covering a wide array of essential research topics. These included initiating a research project, conducting a systematic research study, writing effective research proposals, and utilizing literature review techniques. He emphasized the importance of collaboration in research and provided guidance on navigating the publication process and understanding peer review. Prof. Carolus also addressed critical aspects of research ethics and offered strategies for effectively presenting research findings. Additionally, he explored the role of technology in research and highlighted higher study and research opportunities in Germany. The seminar offered valuable guidance on various facets of research, from planning and execution to ethical considerations and collaboration, significantly benefiting the attendees' academic and professional development and equipping them with the knowledge and skills needed to excel in their respective fields.

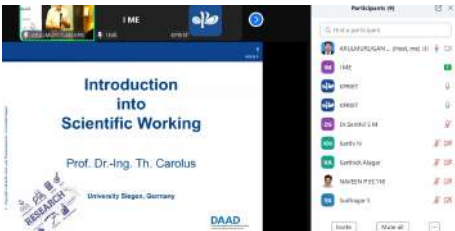
POSTER



WEBIMG



IMG1



IMG2



*** End of Statement ***

KPR Engg.

Dept : Non statutory committee

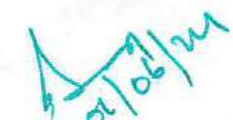
Proposal No : 8114

Date : 01/06/2024

1	Proposal For	SES expert Prof.Dr.-Ing. M.Sc.Thomas carlous visit		
2	Due Date	01/06/2024	Contact Person	Dr.M.A.Manikandan - Ph.No. 8668302025
3	Payment Terms	Neft Transfer		
4	Enclosure	Chairman Sir Approval		
5	Head of Accounts	KIC		
		Particulars	Amount	
1	SES expert Prof.Dr.-Ing. M.Sc. Thomas carlous visit		172,050	
		Total	172,050	
6	Remarks	SES expert Prof.Dr.-Ing. M.Sc.Thomas carlous visit		


01/06/24
HOD


01/06/24
Accounts


01/06/24
Principal

KPR International Centre (KIC)

KPR Institute of Engineering and Technology



Date: 11.05.2024

Submitted for the approval of Principal.

Dear Sir,

Sub: Budget approval for SES expert Prof. Dr.-Ing. M.Sc.Thomas carolus, Germany

With reference to the discussions, the Department of Mechanical Engineering confirmed to invite **Prof. Dr.-Ing. M.Sc.Thomas Carolus** to deliver the Seminars, One credit courses and FDP etc. during **July 13 to August 10, 2024**. Attached the detailed schedule of activities for your reference.

Requesting your approval for the following,

Sl. No	Details	Amount in Euro (To be reimbursed)
1.	Flight booking charges (Actual to be reimbursed)- Max 750 Euros	750
2	Project Planning costs- 120 Euros	120
Total		870

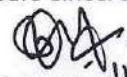
*To be reimbursed to Prof. Dr.-Ing. M.Sc.Thomas carolus's account

Sl. No	Details	Amount in INR (To be given as a cash)
1	Daily allowance (INR 450 x 29 days) (To be paid in hand on Jul 13, 2024)	13,050
2	Taxi charges and food expenses (2 persons) (weekends to tourist places)- 3 weekends (Taxi charges for 6 days- 35000 Approx.+ Food expenses for 6 days- 24000 Approx.)	59,000
3	Guest room accommodation requirements Toilet rolls, Electric Kettle, Cup & Saucer, Tooth brush kit, Shaving Kit, Soap, Fruits & green/black tea etc for one month. (To be arranged by purchase dept.)	10000
4	Laundry (Washing + Ironing)- 1 month (To be paid by purchase dept by cash)	1000
5	Miscellaneous and incidental expenses	10000
Total		93,050

Requesting your kind approval for the reimbursement and other expenses.

Thanking you.

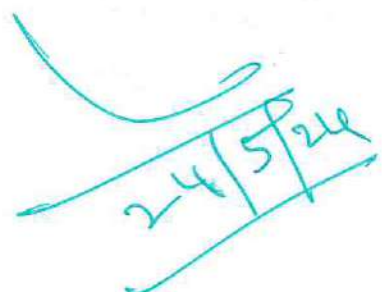
Yours sincerely,


(Dr. M. A. Manikandan)

Submitted to the chairman
for kind approval

- 1) Period of stay - 1 month
- 2) Germany Government Supported Project


Total Budget = Euro 870 + Rs 93050/-


24/5/24

Prof. Dr.-Ing. M.Sc. Thomas Carolus

Email : thomas.carolus@uni-siegen.de

Address : Paul-Bonatz-Str. 9-11, 57076 wins

Room : PB-C 112/113 PB

Telephone : +49 271 740-2386

Fax : +49 271 740-2388

Website : <http://www.uni-siegen.de/fb11/iftsm/>



CV

August 30, 1979	Master of Science in Mechanical Engineering (MSME) at Georgia Institute of Technology, USA
1980	Diploma examination at the University of Karlsruhe (TH) in the subject "General Mechanical Engineering"
1984	Doctorate as Dr.-Ing. at the University of Karlsruhe (TH)
1980 - 1986	Research associate in the Fluid Mechanics Department of the Institute for Fluid Mechanics and Fluid Mechanics at the University of Karlsruhe (TH)
1986 - 1990	Employee at Robert Bosch GmbH, body electrical and electronics division, most recently as head of the development of fans and cooling/heating systems for motor vehicles
since 1990	University professor (C 3) for "Fluid Engineering" at the University of Siegen
1991	Member of the Senate of the University of Siegen
since 1991	Miscellaneous Stays at the University of Portsmouth, UK, the École Nationale d'Ingénieurs de Saint-Étienne, France, the Polytechnic University of Tirana, Albania, and the Laos State University in Vientiane
1998	Visiting Professor at the Department of Aerospace Engineering, The Pennsylvania State University, USA (scholarships from the Fulbright Commission and the Volkswagen Foundation)
since 2002	Member of the VDI district association Siegen,; Chairman of the energy technology working group, German Society for Acoustics (DEGA)
2004 - 2006	Vice Dean of the Department of Mechanical Engineering
2003 - 2004	Dean of the Department of Mechanical Engineering
since 2009	Board member of the Center for Developing Country Research and Knowledge Transfer (ZEW)

List of activities planned (Prof. em. Dr.-Ing. Dr. h.c. Thomas Carolus)

Date	FN (9:30am to 12:30pm)		AN (2:00pm to 4:30pm)	
	Session - 1	Session - 2	Session - 3	Session - 4
13.07.2024 (Day 1)	Intro.to Principal & CE	Intro.to Faculty	Campus tour	Mill Visit
14.07.2024 (Day 2)	Sunday			
15.07.2024 (Day 3)	One-Day Seminar for Faculty (PH.D. level and up): "Scientific working" by Prof. Carolus			
16.07.2024 (Day 4)	Discussion on Strengthening Experimental and Computational Facilities – With examples			
17.07.2024 (Day 5)	Visit to Industry, ZF, Karumathampatty			
18.07.2024 (Day 6)	Discussion on transfer from academia into industry		Planning for proposals	
19.07.2024 (Day 7)				
20.07.2024 (Day 8)				
21.07.2024 (Day 9)	Sunday (Site seeing)			
22.07.2024 (Day 10)	FDP “Enhancing Teaching Skills in Turbomachinery related to wind, ocean energy, environmental impact like noise with CFD by Prof. Carolus	FDP By Industry experts	FDP “Enhancing Teaching Skills in Turbomachinery related to wind, ocean energy, environmental impact like noise with CFD by Prof. Carolus	FDP Hands-on-training in software
23.07.2024 (Day 11)				
24.07.2024 (Day 12)				
25.07.2024 (Day 13)				
26.07.2024 (Day 14)				
27.07.2024 (Day 15)				
28.07.2024 (Day 16)				
29.07.2024 (Day 17)	Sunday (Site seeing)			
30.07.2024 (Day 18)	One-Credit Short-Term Course for Students: “Introduction to wind turbine technology and Aerodynamics of Fans” by Prof. Carolus			
31.07.2024 (Day 19)				
01.08.2024 (Day 20)	Designing of courses based on CFD			
02.08.2024 (Day 21)	Discussion with NGO’s		Technical preparation:s in aerodynamics/turbomachines	
03.08.2024 (Day 22)				
04.08.2024 (Day 23)	Sunday			
05.08.2024 (Day 24)	One-Credit Short-Term Course for Students: “Introduction to Technical acoustics” by Prof. Carolus			
06.08.2024 (Day 25)				
07.08.2024 (Day 26)	One-Day Seminar for Students: " Role of higher education in (western) societies " by Prof. Carolus			
08.08.2024 (Day 27)				
09.08.2024 (Day 28)				
10.08.2024 (Day 29)				

Dear Prof. Carolus,

Thank you, Professor, for your prompt response and the comprehensive list of activities you've proposed. We are happy to have you, visit our institution and contribute to our academic community. Here's a summary of the planned activities, in line with your email.

- One-Day Seminar for Faculty (PH.D. level and up): **Scientific working**
- Faculty Development Programme - **Enhancing Teaching Skills in Turbomachinery related to wind, ocean energy, environmental impact like noise with CFD**
- One-Credit Short-Term Course for Students: **Introduction to wind turbine technology and Aerodynamics of Fans**
- Designing of **3 credits courses based on CFD**
- **Technical preparations in aerodynamics/turbomachines**
- One-Credit Short-Term Course for Students: **Introduction to Technical acoustics**
- One-Day Seminar for Students: **Role of higher education in (western) societies**

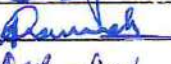
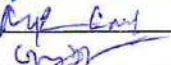
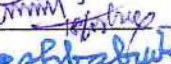
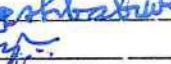
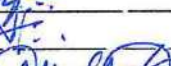
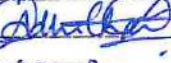
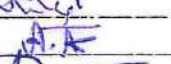
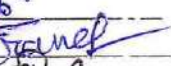
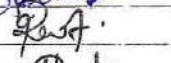
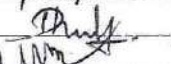
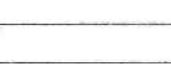
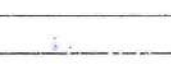
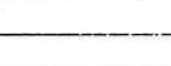
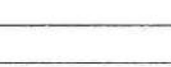
Delivering the proposed short courses and seminars would greatly benefit our students and faculty. Also, Exploring Tamil Nadu and visiting industries related to turbomachinery sounds like a fantastic addition to your itinerary.

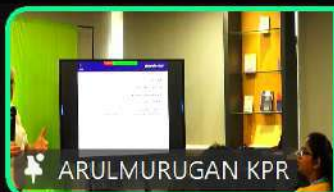
We eagerly await further discussions and look forward to your visit. I have **attached the detailed schedule with dates** during your visit here. Please feel free to share any suggestions or preferences.

With thanks & regards,

Dr.S.Ramesh Babu, M.E., Ph.D.,
Professor and Head
Department of Mechanical Engineering,
KPR Institute of Engineering and Technology,
Coimbatore - 641 407
Mobile Number: 9443910920

KPRIET
LEARN BEYOND

S.No.	Name of the Participant	Designation & Department	Signature
1.	Do.K.B. GURUMOORTHY	ASP 2 ECE	
2.	M. ARAVINDH	Research Scholar/Mech	
3.	Davalamuthu. M	Research scholar / physio	
4.	UTCHIMATHALIMUTHURAMP	Research Scholar / mech	
5.	Aadithya P Rajesh	Research scholar/chemistry	
6.	M.S. Ravindran	AP(SI.G.) / EEE	
7.	S. Ajith kumar	Research scholar	
8.	M. MATHUKUMAR	Research scholar	
9.	Dr. R. Logesh Babu	AP(SI.G.) / CSBS	
10.	Mr. K. MURUGESAN	AP-Gr. 6 - CH	
11.	S.J. Nilofar Fathima	Research Scholar-Phy	
12.	Aadithya Venn VM	TRF - CFRD	
13.	Dr. G. SARAVANAN	AP(SI.G.) & EEE	
14.	Anusree Chingachhevan T.K	Research scholar (Chemical)	
15.	A. Sowndarappa	Research Scholar (Chem)	
16.	D. Balaji	AP (SI.G.) / Mech	
17.	S. Sival Kumar	CFRD	
18.	V. Manoj Mohan Prasanna	Research Scholar/MS	
19.	N. Muthukumar	Research scholar	
20.	A. ARUL	Research scholar/EE	
21.	S. THIRUMANAN	APCSB	
22.	SURYA.B	Research Scholar/aut	
23.	Sana Sultani Roy	Research Scholar / civil	
24.	Mohan Raj Robin	Research Scholar / civil	
25.	Gravesh	Research scholar	
26.	Revathi.S	Research Scholar	
27.	J. DHARANI	RESEARCH SCHOLAR	
28.	M. MATHUKUMAR	RESEARCH SCHOLAR	
29.	Pradeep Kumar	Research Scholar	
30.	Vinodh Kumar	RESEARCH SCHOLAR	
31.	Mohamed Sufian KT	Research scholar	



ARULMURUGAN KPR

I ME

I ME

Dr.Senthil S M

Dr.Senthil S M

Choice of methods

11

N22 92 D

- **Experimental**
- **Analytical, model-based**
- **Computer simulation-based**
- **Literature review**
- **Comparison of methods**
(e.g. simulation-based vs. experimental → verification)
-

Participants (36)

Find a participant

DP	Danush Pranav A.S		
	Derick F		
DS	DEVI SHANMUGAPRIYA R		
DS	Dr S Manoj Kumar		
DM	Dr. M. Sivanandam		
D	Dr.K.S.Elango		
DS	Dr.Senthil S M		
E	Elavarasan		
JS	Jai Shankar		

Invite

Mute all

...



Search



ENG
IN



10:28
19-07-2024



International Seminar on "Scientific Working" on 19.7.2024 (Sample Feedback)

How satisfied were you with the event?	How relevant and helpful do you think it was for your job?	What were your key take aways from this event?	How satisfied were you with the logistics? [Communication emails]	How satisfied were you with the logistics? [Welcome activity]	How satisfied were you with the logistics? [Activities]	How satisfied were you with the logistics? [Closing ceremony]	How satisfied were you with the session content?	Any additional comments regarding the sessions or overall agenda?	Any overall feedback for the event?	Name and Department (optional)
5	5	To write the scientific paper	5	4	4	4	5		Good	Dr. M. Makesh Kumar Mechanical
5	5	Innovation	5	5	5	5	5	Good	Not specific	D. Balaji and Mechanical
5	5	Presentation of data in a research paper	5	5	5	5	5	All is well	Good	Senthil S M/CFRD
5	5	Research ethics and collaboration	5	5	5	5	5	Nil	Good	
3	3	Tips on Research proposal writing	4	3	3	3	3	No	Good , Application based recent trends can be conducted for knowledge updation.	Dr.D.Sudarvizhi
4	4		3	3	3	3	5	Excellent	Way of organizing was good	
5	5	I have learnt how to write quality	5	4	5	5	5		Fruitful event	
5	5	Best way to write research paper	3	3	3	3	5			
5	5		5	5	5	5	5		Nice session	
5	5	research ethics	4	5	4	5	5	No	Good	Yogeswari P / ECE
5	5		5	5	5	5	5	Very good	Informative and very useful	Pavalamuthu M, Research scholar, Physics/CFRD
5	5	Excellent	5	5	5	5	5	Excellent	Excellent	Mechanical

ME/2024/003: TRLS AND THEIR IMPORTANCE IN PROJECT MAPPING

Top Sheet

Table with 2 columns: Field (Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Asso. Department, Venue, Industry Participants, Students External Participants) and Value (ME/2024/003, Closed, TRLS AND THEIR IMPORTANCE IN PROJECT MAPPING, 24-07-2024 | 02:45 PM to 02:45 PM, On Campus, Seminar, Dept. Level, Others, 4: Quality Education, ME, CFRD, Veena Hall, 1, 38)

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, ME035 - Arulmurugan B, Convenor

Resource Persons

Table with 6 columns: No, Type, Name, Designation, Email, Organization. Row 1: 1, Chief Guest, Dr. Prashant Nair, Head IQAC, (empty), Amrita Vishwa Vidyapeetham

Event Description

Seminar on 'Technology Readiness Levels (TRLs) and their importance in Project Mapping,' Event Details:Chief Guest Details: Dr. Prashant R. Nair, Head & Vice-Chairman, IQAC, Amrita Vishwa Vidyapeetham, Coimbatore, IndiaDate: 24th July 2024Time: 2.45 PM to 4 PMVenue: Veena Hall, KPRIETYour participation will enrich the discussion and contribute to a comprehensive understanding of TRLs and their application in various research projects.

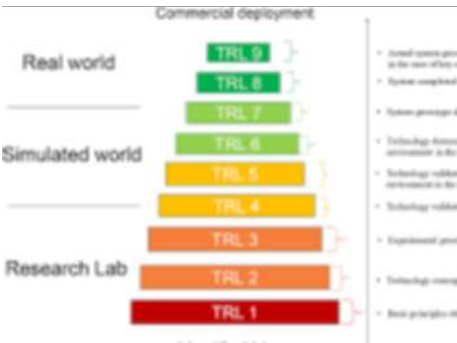
Actual Outcome and Report of the Event

A session on Technology Readiness Levels (TRLs) and Their Importance in Project Mapping was conducted on 24th July 2024 by Dr. Prashant R. Nair, Head-IQAC, Amrita Vishwa Vidyapeetham, Coimbatore. The talk focused on understanding TRL stages from basic research to deployment and how they aid in assessing project maturity. Dr. Nair emphasized aligning academic research with industrial and societal needs. Faculty and researchers benefited from practical insights on mapping TRLs to project milestones. The session was highly informative and well-received by all participants.

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*** End of Statement ***

ME/2024/049: One Credit course on Non Destructive Testing and robotic welding

Top Sheet

Table with 2 columns: Field Name and Value. Fields include Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Asso. Department, Venue, Faculty External Participants, and Other Participants.

Event Description

This One Credit course on Non-Destructive Testing (NDT) and Robotic Welding introduces essential technologies used in modern manufacturing and quality control. Participants will learn key NDT techniques such as ultrasonic and radiographic testing, ensuring material integrity without damage.

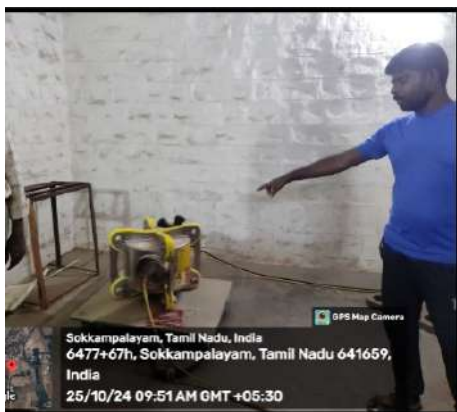
Actual Outcome and Report of the Event

Upskilling Week Report (21.10.2024 – 26.10.2024)Department of Mechanical EngineeringFocus Areas: Non-Destructive Testing (NDT) and Robotic WeldingDay 1:Introduced NDT, highlighting its importance in evaluating material integrity without damage. Common techniques include Visual Inspection, Ultrasonic Testing, Radiographic Testing, and Magnetic Particle Testing.

IMG1



IMG2



*** End of Statement ***



KPR Institute of Engineering and Technology, Coimbatore
Department of Mechanical Engineering
Upskilling Week Report (21.10.2024 – 26.10.2024)
U21OME15 - Non-Destructive Testing (NDT) and Robotic Welding
Attendance sheet

S.No	Student Name	21.10.2024	22.10.2024	23.10.2024	24.10.2024	25.10.2024	26.10.2024
1	Pranav Adhithya MS	P	P	P	P	P	P
2	Hem Adithya K	P	P	P	P	P	P
3	Sabarish BN	P	P	P	P	P	P
4	Rohith M	P	P	P	P	P	P
5	Mano Sachin Samayanan M	P	P	P	P	P	P
6	Krishna Prasad G	P	P	P	P	P	P
7	Kishore S	P	P	P	P	P	P
8	Vigneshwaran D	P	P	P	P	P	P
9	Nandhakumar T	P	P	P	P	P	P
10	Tom David Nyamusoro	P	P	P	P	P	P
11	Mirrutes Priyan	P	P	P	P	P	P
12	Monesh R	P	P	P	P	P	P
13	Jithesh M	P	P	P	P	P	P

KPR Institute of Engineering and Technology, Coimbatore
Department of Mechanical Engineering
Upskilling Week Report (21.10.2024 – 26.10.2024)
U21OME15 - Non-Destructive Testing (NDT) and Robotic Welding
Feedback Analysis

S.No	Student Name	Understanding of NDT	Understanding of Robotic Welding	Hands-on Practice	Overall Experience	Clarity of Concepts Taught	Relevance to Industry Needs	Instructor Effectiveness	Use of Technology and Tools	Suggestions for Improvement
1	Pranav Adhithya MS	Excellent	Excellent	Very Satisfactory	Excellent	Excellent	Very Relevant	Excellent	Excellent	More industry visits
2	Hem Adithya K	Very Good	Very Good	Satisfactory	Very Good	Very Good	Relevant	Very Good	Very Good	Include more practical tasks
3	Sabarish BN	Excellent	Good	Very Satisfactory	Good	Good	Very Relevant	Excellent	Good	Add detailed theory sessions
4	Rohith M	Good	Excellent	Satisfactory	Very Good	Very Good	Relevant	Good	Very Good	More real-time applications
5	Mano Sachin Samayanan M	Very Good	Good	Very Satisfactory	Excellent	Excellent	Very Relevant	Very Good	Excellent	Increase practical hours
6	Krishna Prasad G	Excellent	Very Good	Satisfactory	Very Good	Good	Relevant	Good	Good	Focus on emerging trends
7	Kishore S	Good	Excellent	Very Satisfactory	Good	Very Good	Very Relevant	Excellent	Very Good	Add more guest lectures
8	Vigneshwaran D	Very Good	Good	Satisfactory	Excellent	Excellent	Relevant	Very Good	Excellent	Include more case studies
9	Nandhakumar T	Excellent	Excellent	Very Satisfactory	Very Good	Good	Very Relevant	Good	Good	More emphasis on safety protocols
10	Tom David Nyamusoro	Good	Very Good	Satisfactory	Good	Very Good	Relevant	Excellent	Very Good	Provide study materials
11	Mirrutes Priyan	Very Good	Excellent	Very Satisfactory	Very Good	Excellent	Very Relevant	Very Good	Excellent	Enhance group discussions
12	Monesh R	Excellent	Good	Satisfactory	Excellent	Good	Relevant	Good	Good	Organize more workshops
13	Jithesh M	Good	Very Good	Satisfactory	Good	Very Good	Relevant	Very Good	Very Good	Increase Q&A sessions

ME/2024/061: Pratham, Pragati, Samriddhi - Financial Planning

Top Sheet

Table with 2 columns: Field Name, Value. Fields include Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Asso. Department, Involved Subject Hours, Venue, Other Participants.

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, ME035 - Dr. ARULMURUGAN B, Coordinator.

Resource Persons

Table with 6 columns: No, Type, Name, Designation, Email, Organization. Row 1: 1, Chief Guest, Arivazhagan C K, Empanelled Trainer, , National Stock Exchange.

Event Description

The upcoming financial literacy program, to be conducted by C.K. Arivazhagan, an empanelled trainer to NSE, will introduce students to essential financial concepts across three levels. Level 1 - Pratham will focus on financial planning for first-year students, while Level 2 - Pragati will cover the basics of capital markets for second-year students. Level 3 - Samriddhi will provide insights into active investing for third-year students. The sessions will be highly interactive, equipping students with practical knowledge to make informed financial decisions. The program is expected to receive an enthusiastic response, fostering a strong foundation in financial literacy among participants.

Actual Outcome and Report of the Event

The financial literacy program conducted by C.K. Arivazhagan, an empanelled trainer to NSE, successfully introduced students to key financial concepts across three structured levels. Level 1 - Pratham: First-year students gained a fundamental understanding of financial planning, including budgeting, savings, and goal setting. Level 2 - Pragati: Second-year students developed insights into capital markets, learning about stocks, bonds, and investment strategies. Level 3 - Samriddhi: Third-year students explored active investing, delving into risk management, portfolio diversification, and market analysis. The interactive sessions engaged students effectively, fostering critical thinking and practical application of financial principles. Participants showed increased confidence in making informed financial decisions, ensuring a strong foundation in financial literacy. The program received an overwhelmingly positive response, with students expressing enthusiasm for future sessions and deeper financial education opportunities.

POSTER



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*** End of Statement ***

ME/2024/062: Hands on Training on "Non Destructive Testing"

Top Sheet

Event No	ME/2024/062
Status	Closed
Name	Hands on Training on "Non Destructive Testing"
Date and Time	08-03-2025 10:00 AM to 03:00 PM
Mode	Off Campus
Type	Workshop
Level	Dept. Level
Organized For	Students
Related SDG	4: Quality Education, 9: Industry, Innovation and Infrastructure
Department	ME
Asso. Department	IWS
Involved Subject Hours	Hour 2, Hour 3, Hour 4, Hour 5, Hour 6
Venue	CMMT Lab
Industry Participants	1
Students External Participants	9
Other Participants	6

Staffs Involved

No	Full Name	Role
1	ME035 - Dr. ARULMURUGAN B	Coordinator
2	ME111 - Dr. DHARANI KUMAR S	Co-convenor

Resource Persons

No	Type	Name	Designation	Email	Organization
1	Chief Guest	Senthil Prabhu	CEO	sedanisindia@gmail.com	Sedan Inspection Services Pvt. Ltd

Event Description

Training Session on NDT MethodsWe are pleased to announce that Mr. Senthil Prabhu, Level III NDT Trainer from Sedan Inspection Services, will be conducting a specialized training session as part of the Skill Development Program on:Topic: Non-Destructive Testing (NDT) Methods Date: 8th March 2025Time: 10:00 AM – 3:00 PMVenue: CMMT Lab, Mechanical Block, KPRIETThis session will cover essential NDT techniques, their applications in various industries, and hands-on insights into inspection and quality assurance.All students are encouraged to attend and enhance their understanding of industry-standard NDT practices.

Actual Outcome and Report of the Event

The training session on Non-Destructive Testing (NDT) Methods was successfully conducted on 8th March 2025 at the CMMT Lab, Mechanical Block, KPRIET. Mr. Senthil Prabhu, a Level III NDT Trainer from Sedan Inspection Services, delivered an insightful session covering essential NDT techniques and their industrial applications. The session provided hands-on exposure to various inspection methods, enhancing students' understanding of quality assurance. Participants gained practical knowledge of ultrasonic testing, radiographic testing, magnetic particle testing, and liquid penetrant testing. The interactive nature of the session allowed students to clarify doubts and understand real-world challenges in NDT applications. Industry case studies and live demonstrations helped bridge the gap between theoretical learning and practical implementation. The training improved students' employability skills and preparedness for industry roles. Positive feedback was received from attendees, who appreciated the engaging and informative approach. Overall, the session was highly beneficial in equipping students with industry-standard NDT knowledge and hands-on experience.

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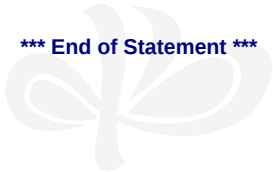
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*** End of Statement ***



ME/2024/063: One Day Workshop on Robotic Welding

Top Sheet

Table with 2 columns: Field Name, Value. Fields include Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Asso. Department, Involved Subject Hours, Venue, and Students External Participants.

Staffs Involved

Table with 3 columns: No, Full Name, Role. Row 1: 1, ME035 - ARULMURUGAN B, Coordinator.

Resource Persons

Table with 6 columns: No, Type, Name, Designation, Email, Organization. Row 1: 1, Resource Person, Dr B Arulmurugan, AsP, arulmurugan@kpriet.ac.in, KPRIET.

Event Description

Pre-Event Report: One-Day Workshop on Robotic Welding
Event Title: One-Day Workshop on Robotic Welding
Organized By: Department of MECH, Indian Welding Society (IWS)
Date: 15.3.2025
Venue: IV MECH A Hall
Target Audience: Engineering students, faculty members, industry professionals, and researchers
Objective of the Workshop: The primary objective of this one-day workshop on robotic welding is to provide participants with hands-on experience and a deep understanding of robotic welding technology.

Actual Outcome and Report of the Event

A one-day workshop on Robotic Welding was conducted on 15th March 2025 by the Department of Mechanical Engineering, KPRIET. The event included expert talks, hands-on sessions, and demonstrations using an industrial MIG-based robotic welding system. Over 60 participants, including students, faculty, and researchers, actively took part.

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*** End of Statement ***

ME/2024/069: Valedictory Ceremony of 180-Hour Skill Development Program on Robotic Welding and Additive Manufacturing

Top Sheet

Table with 2 columns: Field, Value. Fields include Event No, Status, Name, Date and Time, Mode, Type, Level, Organized For, Related SDG, Department, Asso. Department, Involved Subject Hours, Venue, Industry Participants, Students External Participants, Other Participants.

Staffs Involved

Table with 3 columns: No, Full Name, Role. Rows include ME035 - ARULMURUGAN B (Coordinator) and ME111 - DHARANI KUMAR S (Co-convenor).

Resource Persons

Table with 6 columns: No, Type, Name, Designation, Email, Organization. Rows include Mr.P.Sudhakar (Engineer - Production) and Mr. Jagadesan (Manager).

Event Description

The Valedictory Ceremony of the 180-Hour Skill Development Program on Robotic Welding and Additive Manufacturing will be successfully conducted at KPR Institute of Engineering and Technology, Coimbatore. The event will mark the conclusion of an intensive training program designed to equip participants with advanced skills in robotic welding and additive manufacturing, aligning with the industry's latest technological advancements.

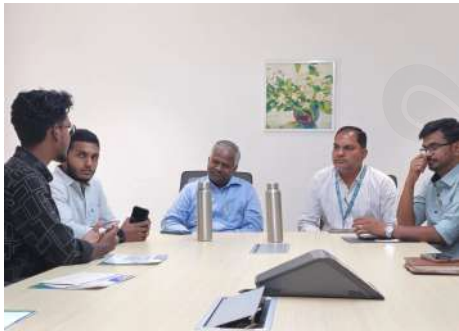
Actual Outcome and Report of the Event

The Valedictory Ceremony of the 180-Hour Skill Development Program on Robotic Welding and Additive Manufacturing was successfully held on March 26, 2025, at KPR Institute of Engineering and Technology, Coimbatore. The event marked the culmination of an intensive training program aimed at equipping participants with industry-relevant skills in robotic welding and additive manufacturing. Distinguished guests, Mr. S. Ramanathan, Technical Product Manager at Kavin Inc., and Mr. P. Sudhakar, Engineer - Production at Kongu Engineers, graced the occasion. Participants showcased their learning outcomes through project demonstrations, emphasizing real-time industrial applications. The speakers highlighted the importance of automation in modern manufacturing and encouraged students to apply their knowledge to industry challenges. Certificates were distributed to successful participants, recognizing their dedication and skill development. Faculty members and trainers appreciated the enthusiasm and commitment of the trainees. The program received positive feedback, with many participants expressing interest in further specialization. The event concluded with a vote of thanks, acknowledging the efforts of organizers, trainers, and industry experts. Overall, the program significantly contributed to bridging the gap between academic learning and industrial applications.

POSTER



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IMG2



*** End of Statement ***