



## DEPARTMENT OF MECHANICAL ENGINEERING

### CIRCULAR

Ref No: 22-23/Even/Sem/04

Date: 30.03.2023

The Department of Mechanical Engineering is organizing One Day Seminar on “Latest welding technologies used in Rail coach manufacturing and Overview about ICF” and it's Training Facilities on 03<sup>rd</sup> April 2023. All the students are requested to participate in the seminar.

**HOD**

Circulated to:	<ol style="list-style-type: none"><li>1. All the faculty members</li><li>2. All the students</li></ol>
Copy to	<ol style="list-style-type: none"><li>1. Principal Office</li><li>2. Department Notice Board</li></ol>



## **DEPARTMENT OF MECHANICAL ENGINEERING**

**In association with**

**Indian Institute Of Production Engineers (IIPrE) organising**

**One Day Seminar on Latest welding Technologies used in Rail coach  
Manufacturing &  
Overview about ICF and it's Training Facilities  
on 3rd April 2023**

### **Resource Person**

**Shri. M. Selvamani,**

Chief Course Coordinator  
Advanced Welding Training Institute  
Integral Coach Factory, Chennai.

**Shri. N.Ravikumar,**

Senior Section Engineer  
Integral Coach Factory-Indian Railways,  
Chennai.

### **Welcome Address**

**Dr.M.Prabhakar, Prof. & HOD**  
**Department of Mechanical Engineering, AVIT,**

### **Presidential Address**

**Dr.G.Selvakumar Principal, AVIT.**

### **Vote of thanks**

**Mr.M.Saravanan**  
**AP (Gr II) MECH, AVIT.**

# BROCHURE



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
Deemed to be University under section 3 of the UGC Act 1956



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

*Cordially invite you all for a One Day Seminar on*

## **Latest Welding Technologies used in Rail Coach Manufacturing and Overview about ICF and it's Training Facilities**

03.04.2023, Monday

09.30 a.m.

BOSCH Lab

### Resource Persons



**Shri. M. Selvamani**  
Chief Course Coordinator  
Advanced Welding Training Institute  
Integral Coach Factory, Chennai.



**Shri. N. Ravikumar**  
Senior Section Engineer  
Integral Coach Factory  
Indian Railways, Chennai.

### In the presence of

Dr. G. Selvakumar, Principal, AVIT

Dr. M. Prabhakar, Prof. & HoD, Mechanical

### Event Coordinators

**Mr. M. Saravanan**

AP (GR II), MECH, AVIT

**Mr. G. Antony Casmir Jayaseelan**

AP (GR II), MECH, AVIT



**Organized by : Department of Mechanical Engineering  
in association with Indian Institution of Production Engineers (IIPrE)**



DEPARTMENT OF MECHANICAL ENGINEERING

**Ref No: 22-23/Even/Sem/04**

**Date: 06.04.2023**

From

Mr. M Saravanan, AP-II/Mech  
Mechanical Engineering  
Aarupadai Veedu Institute of Technology  
Paiyanoor-603 104

To

The Principal,  
Aarupadai Veedu Institute of Technology  
Paiyanoor-603 104

Respected Sir,

Sub: Submission of Mechanical Engineering Department Event-Report- Reg.  
The Department of Mechanical Engineering, Aarupadai Veedu Institute of Technology, organised a 'One Day Seminar on Latest welding technologies used in Rail coach manufacturing and Overview about ICF and it's Training Facilities' on 03<sup>rd</sup> April 2023@ 9 .30AM. Venue Bosch Lab. The report of the programme is herewith attached for your kind perusal.

Thanking you,

With regards,

Event Coordinator

HOD



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**In association with**  
**Indian Institute Of Production Engineers (IIPrE) organised**

**One Day Seminar on Latest welding Technologies used in Rail coach Manufacturing & Overview about ICF and it's Training Facilities**  
on 03.04.2023

The Department of Mechanical Engineering organized a “One Day Seminar on Latest welding Technologies used in Rail coach Manufacturing & Overview about ICF and it's Training Facilities” on 03.04.2023. The session started with welcome address by Dr.M.Prabhakar, HOD, Mechanical Engineering and he also briefed the importance of attending the Internship opportunities available at ICF. The Resource person of the day was Shri.M. SELVAMANI, Chief Course Coordinator, Advanced Welding Training Institute, Integral Coach Factory, Chennai. Around 34 students participated in the Seminar and few of the topics covered in the Seminar were:

- Basic Welding Concepts and Processes
- Welding joint design
- Pre welding inspection
- Post welding inspection
- Recent trends in welding processes in Ajmer Diesel Loco & Wagon Workshop (ADLW)
- Recent developments & trends
- Recent trends in welding processes in Modern Coach Factory
- Practical Challenges
- Solutions Adopted
- Automation in locomotive under frame welding

Later another Resource person of the event Shri.N.RAVIKUMAR, Senior Section Engineer, Integral Coach Factory-Indian Railways enhanced the students about the opportunities available in Integral Coach Factory for availing Internship and also the job opportunities and the nuances in getting the offer in Integral Coach Factory.

### **Outcome:**

- Students understood the importance of welding process in railway coach.
- Changing in market and needs of Customer.
- About Product Innovation, Business Process Innovation
- Importance of MAP and Current trends in Manufacturing and future plans

The Seminar was Coordinated by Mr.M.Saravanan, Assistant professor Grade-II. & Mr.G.Antony Casmir Jayaseelan , Assistant professor Grade-II.







**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
Established in the University under government of the UCC Act 1954



**ATTENDANCE SHEET**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
Association with  
**INDIAN INSTITUTE OF PRODUCTION ENGINEERS (IIPrE) STUDENT'S**  
**CHAPTER**  
**One Day Seminar on**  
**Latest Welding Technologies used in Rail coach Manufacturing**  
**and Overview about ICF and it's Training Facilities-03-04-2023**

SI No	REGISTER NUMBER	NAME OF THE STUDENT	YEAR/SEM	SIGNATURE
1	3442220502	BIKASH BASFORE	2nd year / 4th	Bikash
2	3442220510	SUBHAM MAL	2nd year / IV-sem	Subham
3	3442220507	D. Param Kumar	2nd year / IV sem	D. Param Kumar
4	3441910520	M. Pavan	4 <sup>th</sup> year / VII <sup>th</sup> sem	M. Pavan
5	3441910539	sk. Riya2.	4 <sup>th</sup> year / VII <sup>th</sup> sem	sk. Riya2.
6	3441910506	Ashish Kumar	4 <sup>th</sup> / VIII	Ashish Kumar
7	3441910511	BRAJESH KUMAR	4 <sup>th</sup> / VIII	Brajesh Kumar
8	3441910536	SANTEEV KUMAR	4 <sup>th</sup> / VIII <sup>th</sup>	Santeev Kumar
9	3442110501	Anand kumar Ram	II nd / year 9 <sup>th</sup> sem	Anand
10	3442110513	Sanjeev Kumar	II nd / IV-sem	Sanjeev
11	3442110515	Dyesh Kumar	11	Dyesh
12	3441910536	RAHUL KUMAR	9 <sup>th</sup> year	Rahul Kumar
13	3442220509	Chinivasan S	II <sup>nd</sup> year	Chinivasan
14	3442110508	S. Logesh	II <sup>nd</sup> year	S. Logesh
15	3442253503	Rijas Nairan .D	II <sup>nd</sup> year	Rijas
16	3442110505	T. Durivay	II year	T. Durivay
17	3442110506	S-krishna Balaji	II Year	S. Krishna Balaji
18	3442110511	S.K.P. Rajakumaran	II <sup>nd</sup> year	S.K.P. Rajakumaran





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Association with  
K. Erathy/MCC

**ATTENDANCE SHEET**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
Association with  
**INDIAN INSTITUTION OF PRODUCTION ENGINEERS (IIPrE) STUDENT'S**  
**CHAPTER**  
**One Day Seminar on**

**Latest Welding Technologies used in Rail coach Manufacturing**  
**and Overview about ICF and it's Training Facilities-03-04-2023**


SI No	REGISTER NUMBER	NAME OF THE STUDENT	YEAR/SEM	SIGNATURE
14	3442010504	AKASH KUMAR	III / VI	
20	3441910543	Vikash Kumar Singh	IV <sup>th</sup> / VIII	
21	3442010507	Chopikrishna.H	III <sup>rd</sup> year VI <sup>th</sup>	
22	3442154501	Vyshnav. N. R	III <sup>rd</sup> year VI <sup>th</sup>	
23	3442010512	Ranjans kumar Mandal	III <sup>rd</sup> year VI <sup>th</sup>	
24		Favas	III <sup>rd</sup> year VI <sup>th</sup>	
25	3442120507	C-TAMILSELVAN	III <sup>rd</sup> year VI <sup>th</sup>	
26	3442020505	D. YOGESHWARAN	IV <sup>th</sup> year	
27	2142257523	G. VENKATESHAN	IV <sup>th</sup> year	
28	3442257522	T. SUAYA PRANASH	IV <sup>th</sup> year	
29	3442220506	S. MOHAMMED ASARAF ALI	II <sup>nd</sup> year	
30	3442110509	T. LOHITHKARAN	II <sup>nd</sup> year	
31	3442220504	R. Dhanush kumar	II <sup>nd</sup> year	
32	3442110511	Rajakumaran. P	II <sup>nd</sup> year	
33	6022210502	SUDHA KR YADAV	ME-ME611D	
34	6022210501	H. Jagar Mohan Reddy	ME-ME611A	

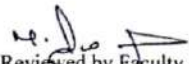
**One Day Seminar on  
Latest Welding Technologies used in Rail coach Manufacturing,  
and Overview about ICF and it's Training Facilities.**

Resource person  
Shri. N.RAVIKUMAR  
Senior Section Engineer  
Integral Coach Factory-Indian  
Railways, Chennai.

SEMESTER: Even  
DEPT :MECHANICAL

ACADEMIC YEAR :2022-2023  
DATE: 03/04/2023

Name of the Speaker	RAVIKUMAR.N.
Designation & Organization	Senior Section Engineer. ICF.
Title of the Lecture / Seminar	Overview about ICF and its training facilities
Date & Time	03.04.2023. 10.00 Hrs.
Venue	Bosch Lab
Beneficiary	
Duration of the Lecture	
Suggestions of Speaker	Good arrangements, interested Students. Screen may be fixed at the bottom to avoid flying.
Signature	

  
Reviewed by Faculty In charge

  
HOD

SEMINAR FEEDBACK FROM PARTICIPANTS

**One Day Seminar on  
Latest Welding Technologies used in Rail coach Manufacturing.  
and Overview about ICF and it's Training Facilities.**

Resource person


Shri. M. SELVAMANI Chief Course Coordinator Advanced Welding Training Institute Integral Coach Factory, Chennai.	Shri. N.RAVIKUMAR Senior Section Engineer Integral Coach Factory-Indian Railways, Chennai.
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SEMESTER: Even

ACADEMIC YEAR : 2022-2023

DEPT : MECHANICAL

DATE 03/04/2023

Name of the Participant	Gopikoushna : H
Prog., Branch, Sem & Sec (If Applicable)	B.E. Mechanical (III <sup>rd</sup> /VI <sup>th</sup> Sem)
Designation & Organization (If Applicable)	Student / AVIT
Title of the Lecture / Seminar	Latest welding technologies used in Rail Coach Manufacturing.
Name of the Speaker(s)	M.SELVAMANI & N.RAVIKUMAR
Date & Time	
Venue & Duration of Lecture	BOSCH LAB
Feedback from Participant (Maximum Marks 5)	
1. Communication	5
2. Interaction	5
3. Presentation	5
4. Content	5
5. Learning Value	5
Total	25
Any other Suggestions	
Signature of the Participant	

  
Reviewed by Faculty In charge

  
HOD

SEMINAR FEEDBACK FROM PARTICIPANTS

**One Day Seminar on  
Latest Welding Technologies used in Rail coach Manufacturing,  
and Overview about ICF and it's Training Facilities.**

Resource person

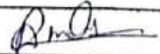
Shri. M. SELVAMANI Chief Course Coordinator Advanced Welding Training Institute Integral Coach Factory, Chennai.	Shri. N.RAVIKUMAR Senior Section Engineer Integral Coach Factory-Indian Railways, Chennai.
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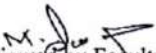
SEMESTER: Even

ACADEMIC YEAR : 2022-2023

DEPT : MECHANICAL

DATE 03/04/2023

Name of the Participant	RANJAN KUMAR MANDAL
Prog., Branch, Sem & Sec (If Applicable)	B.E, MECH, VI sem, IIIrd year.
Designation & Organization (If Applicable)	Student.
Title of the Lecture / Seminar	Latest welding technologies used in rail coach manufacturing
Name of the Speaker(s)	Shri. M. SELVAMANI & Shri N. RAVIKUMAR
Date & Time	3-4-2023 & 9:30 to 12:00
Venue & Duration of Lecture	BOSCH LAB & 2:30 hrs.
Feedback from Participant (Maximum Marks 5)	<ol style="list-style-type: none"><li>1. Communication - 5</li><li>2. Interaction - 4</li><li>3. Presentation - 5</li><li>4. Content - 5</li><li>5. Learning Value - 4</li></ol> Total 23
Any other Suggestions	
Signature of the Participant	

  
Reviewed by Faculty In charge

  
HOD

SEMINAR FEEDBACK FROM SPEAKER

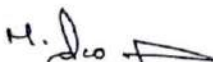
**One Day Seminar on  
Latest Welding Technologies used in Rail coach Manufacturing.  
and Overview about ICF and it's Training Facilities.**

Resource person  
Shri. M. SELVAMANI  
Chief Course Coordinator  
Advanced Welding Training Institute  
Integral Coach Factory, Chennai.

SEMESTER: Even  
DEPT :MECHANICAL

ACADEMIC YEAR :2022-2023  
DATE: 03/04/2023

Name of the Speaker	M. SELVAMANI
Designation & Organization	CCC/AWTI
Title of the Lecture / Seminar	Latest welding Technologies used in Rail Coach Manufacturing
Date & Time	3/4/23 & 9.30
Venue	BOSCH LAB
Beneficiary	
Duration of the Lecture	
Suggestions of Speaker	Multi media to be improved.
Signature	M. 77

  
Reviewed by Faculty In charge

  
HOD