



GOVERNMENT COLLEGE OF
ENGINEERING, BARGUR



ANUSANDHAN NATIONAL
RESEARCH FOUNDATION



GOVERNMENT OF
TAMIL NADU

NATIONAL SYMPOSIUM on ADVANCED WIRE ARC ADDITIVE MANUFACTURING AND INTELLIGENT DIGITAL MANUFACTURING FOR ATMANIRBHAR BHARAT (NS-WAAMIDM 2026)

16, 17 & 18 SEPTEMBER 2026

Department of Mechanical Engineering
Government College of Engineering, Bargur
Krishnagiri District, Tamil Nadu – 635104



ABOUT THE SYMPOSIUM

This symposium aims to bring together researchers, scientists, academicians, industry experts and students to discuss recent advances, innovations, challenges and future directions in Wire Arc Additive Manufacturing and Intelligent Digital Manufacturing for achieving the vision of Atmanirbhar Bharat.

The symposium is proudly sponsored by Anusandhan National Research Foundation (ANRF), Government of India, in support of promoting cutting-edge research, fostering innovation, and strengthening academia-industry collaboration for national development.

OBJECTIVES

- ✓ To disseminate cutting-edge research in WAAM and Digital Manufacturing
- ✓ To promote interdisciplinary collaboration and knowledge exchange
- ✓ To discuss AI-driven process optimization, monitoring and control
- ✓ To showcase industrial applications in strategic sectors
- ✓ To encourage young researchers and students
- ✓ To support the vision of Atmanirbhar Bharat through indigenous technology development

THEMATIC AREAS

- Wire Arc Additive Manufacturing (WAAM)
- Advanced Materials & Metallurgy
- Simulation & Process Optimization
- Artificial Intelligence & Machine Learning
- Real-Time Monitoring & Control
- Robotics & Automation
- Digital Twin & Industry 4.0
- Applications in Aerospace, Defence, Automotive, Railways & Energy

IMPORTANT DATES

- Abstract Submission Deadline : 12 September 2026
- Acceptance Notification : 13 September 2026
- Registration Deadline : 14 September 2026
- Full Manuscript Submission : 15 September 2026
- Symposium Dates : 16, 17 & 18 September 2026

Note: Only registered participants can present papers.

KEYNOTE SPEAKERS

- 1 Dr. S. Jerome, Associate Professor, NIT Trichy
(Section 1: WAAM Ansys Hands on Training)
- 2 Dr. S. Ravindra Bucherla, ARK Infosolution Pvt. Ltd., Bangalore
(Section 2: WAAM Ansys Hands on Training)
- 3 Dr. Rajeev Sreedharan, Founder, TATVA Axis, Bangalore
(Digital Manufacturing)
- 4 Dr. G. VinothKumar, Associate Professor, NIT Trichy
(WAAM Metallurgy)
- 5 Dr. B. Rohini Kumar, Associate Professor Dept. of Mechanical Engineering NIT, Calicut
(WAAM Thermo Machine Analysis)
- 6 Mr. S. Tamil Prabhakaran, Assistant Professor, GCE Bargur
(Robotic WAAM- Hands On Training)

BEST PAPER PRESENTATION AWARD & BEST POSTER PRESENTATION

- ★ Best Paper Presentation Award
- ★ Best Poster Presentation Award

WHO CAN PARTICIPATE?

- Faculty Members
- Scientists & Researchers
- Research Scholars
- PG & UG Students
- Industry Professionals
- Entrepreneurs & Start-ups

ORGANIZING COMMITTEE

Chief Patron Dr.V.Thirunavukkarasu Principal Government College of Engineering, Bargur	Patron Dr. P. Thirumal Professor & Head Department of Mechanical Engineering	Convener Mr. S. Tamil Prabhakaran Assistant Professor Department of Mechanical Engineering
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CONTACT

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SCAN TO
REGISTER



PROGRAMME SCHEDULE

NSWAAM-IDM 2026

National Symposium on Advanced Wire Arc Additive Manufacturing and Intelligent Digital Manufacturing

Department of Mechanical Engineering, Government College of Engineering, Bargur

Day 1 – 16 September 2026

Session	Time	Resource Person	Topic/Description
Inaugural Session	9:30 AM – 10:00 AM	Dr. S. Jerome Associate Professor, NIT Tiruchirappalli	Inauguration
Session I	10:00 AM – 11:00 AM		Introduction to Wire Arc Additive Manufacturing (WAAM) and Numerical Modelling
Tea Break	11:00 AM – 11:15 AM	Refreshment Break	
Session II	11:15 AM – 1:00 PM	Dr. S. Ravindra Bucherla ARK Infosolution Pvt. Ltd., Bengaluru	WAAM - Numerical Modelling and ANSYS Hands-on Training
Lunch Break	1:00 PM – 2:00 PM	Lunch	
Session III	2:00 PM – 3:30 PM	Dr. S. Ravindra Bucherla ARK Infosolution Pvt. Ltd., Bengaluru	Advanced WAAM Simulation Using ANSYS – Hands-on Training
Tea Break	3:30 PM – 3:45 PM	Refreshment Break	
Session IV	3:45 PM – 5:00 PM	Dr. S. Ravindra Bucherla ARK Infosolution Pvt. Ltd., Bengaluru	Numerical Modelling and Simulation of WAAM Using ANSYS

Day 2 – 17 September 2026

Session	Time	Resource Person	Topic/Description
Session V	9:30 AM – 11:30 AM	Dr. Rajeev Sreedharan, Founder, TATVA Axis ,Bangalore	Digital Manufaturing
Tea Break	11:30 AM – 11:45 AM	Refreshment Break	
Session VI	11:45 AM – 1:00 PM	Dr. Rajeev Sreedharan, Founder, TATVA Axis ,Bangalore	Digital Manufaturing
Lunch Break	1:00 PM – 2:00 PM	Lunch	
Session VII	2:00 PM – 3:00 PM	Dr. G. VinothKumar , Associate Professor ,NIT	WAAM Metallurgy
Tea Break	3:30 PM – 3:45 PM	Refreshment Break	
Session VIII	3:45 PM – 4.30 PM	Dr. G. VinothKumar , Associate Professor ,NIT	Paper Presentation & Poster Presentation Competition

Day 3 – 18 September 2026

Session	Time	Resource Person	Topic/Description
Session IX	9:30 AM – 11:30 AM	Dr. B. Rohini Kumar, Associate Professor Dept. of Mechanical Engineering NIT-Calicut	WAAM - Thermo Mechanical Anlysis
Tea Break	11:30 AM – 11:45 AM	Refreshment Break	
Session X	11:45 AM – 1:00 PM	Dr. B. Rohini Kumar, Associate Professor Dept. of Mechanical Engineering NIT-Calicut	WAAM - Thermo Mechanical Anlysis
Lunch Break	1:00 PM – 2:00 PM	Lunch	
Session XI	2:00 PM – 3:00 PM	Mr.S. Tamil Prabakaran, Assisstant Professor, GCE Bargur	Robotic WAAM- Hands On Training
Tea Break	3:30 PM – 3:45 PM	Refreshment Break	
Session XII	3:45 PM – 4:30 PM	Mr.S. Tamil Prabakaran, Assisstant Professor, GCE Bargur	Robotic WAAM- Hands On Training
Session XIII	4.30 PM – 5.00 PM		Validation

Scan to Registration

