



**149 - GOVERNMENT POLYTECHNIC COLLEGE,
VANAVASI- 636457**



**REPORT ON
ESTABLISHMENT OF INDIA'S FIRST STATE- OF -THE -ART
PLASTIC WELDING LAB - 23.02.2026**





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REPORT ON

ESTABLISHMENT OF INDIA'S FIRST STATE- OF -THE -ART

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The establishment of India's First State-of-the-Art Plastic Welding Laboratory at Government Polytechnic College, Vanavasi, Salem, on 23rd February 2026 marks a historic milestone in the field of technical education and skill development in Tamil Nadu. This initiative has been implemented under a Corporate Social Responsibility (CSR) project supported by Steel Authority of India Limited (SAIL) in collaboration with the TN Apex Skill Development Centre for Automobile.

The proposal for establishing the laboratory was submitted by the TN Apex Skill Development Centre for Automobile. SAIL sanctioned a CSR fund of ₹35,00,000 (Rupees Thirty-Five Lakhs) for this initiative. The TN Apex Skill Development Centre for Automobile serves as the implementation partner, while Leister India has been associated as the industry partner for technical collaboration.

INAUGURAL CEREMONY

The inaugural ceremony of India's First Plastic Welding Technology Course was held on 23rd February 2026 at 2:00 PM at Government Polytechnic College, Vanavasi, under the Tamil Nadu Skill Development Corporation's Vetri Nichiyam Scheme. The function was graced by Mr. R. K. BISARE / Executive Director, SAIL – Salem Steel Plant, Dr. M. VARATHAGURU/ Principal, GPTC Vanavasi, and Dr. P. MARISAMY, Lecturer in Mechanical Engineering.

The event was attended by distinguished dignitaries including the Head- CSR Projects of TN Apex Skill Development Centre for Automobile, senior officials from SAIL, HR, and CSR divisions, and officials from the District Skill Training Office, Salem, representatives from Leister India. The presence of administrative authorities, industry leaders, and academic representatives reflected strong collaboration among government, industry, and educational institutions.

OBJECTIVES OF THE INITIATIVE

The project aims to enhance skill development in advanced plastic welding technology and to provide employment-oriented training to students and unemployed youth across Tamil Nadu. The laboratory has been established with modern infrastructure and advanced equipment to deliver high-quality technical training.

The major objectives of the initiative are to introduce advanced plastic welding technology in Tamil Nadu, bridge the gap between industry requirements and technical education, enhance the employability of students and youth, promote industry-academia collaboration, and establish India's first dedicated Plastic Welding Technology Laboratory in a Government Polytechnic College.

TRAINING PROGRAM DETAILS

Under this initiative, a short-term course titled **“Plastic Welding Technician”** has been introduced. The duration of the course is 90 hours. The programme is designed to benefit polytechnic students, unemployed youth, and other job-seeking candidates. The training centre is planned to train 300 individuals annually.

The expected impact of this initiative is significant. Academically, it introduces niche industrial technology and provides hands-on training to students while integrating practical industrial standards into the curriculum. From an employment perspective, it enhances job opportunities in the Automotive, Manufacturing, and Electrical and Electronics sectors through certification-based short-term training and direct industry exposure via Leister India.

The introduction of this specialized facility significantly strengthens the institution's technical capabilities and boosts skill-based education in the Salem region.

The establishment of India's First State-of-the-Art Plastic Welding Laboratory at Government Polytechnic College, Vanavasi stands as a landmark achievement in technical education. With CSR funding from SAIL, implementation by the TN Apex Skill Development Centre for Automobile, and industry partnership with Leister India, the initiative is expected to train 300 individuals annually, improve technical competency in advanced plastic welding, strengthen industry-academia collaboration, and contribute meaningfully to employment generation and regional development. The formal approvals issued by the Directorate of Technical Education and the successful inauguration further underline the strategic importance of this pioneering initiative.

GLIMPSES OF THE EVENT



