

SVNIT Team *(India)*

As part of the IIW-India National Competition for Welded Marvels (2024) “Project Trash to Treasure”, a team from the Advanced Welding Laboratory, S V National Institute of Technology (SVNIT), Surat, Gujarat, combined to produce the sculpture “Lion”. Akshay Bhupatbhai Patel, Rasaniya Bhumika Shivkumar and Sai Charan (left to right in team photograph) under the guidance of Dr V. D. Kalyankar, Associate Professor, Department of Mechanical Engineering (DoME), SVNIT, comprised the team.

The lion was chosen as the subject since it holds a special significance in ancient tradition and is an animal known for strength, power and courage. In many cultures, the lion is also associated with royalty, leadership and protection.

The project was supported by the SVNIT Surat Students Chapter, IIW-India Baroda Branch. It was intended that the sculpture would highlight the importance of recycling of waste materials and also the importance of welding to society.

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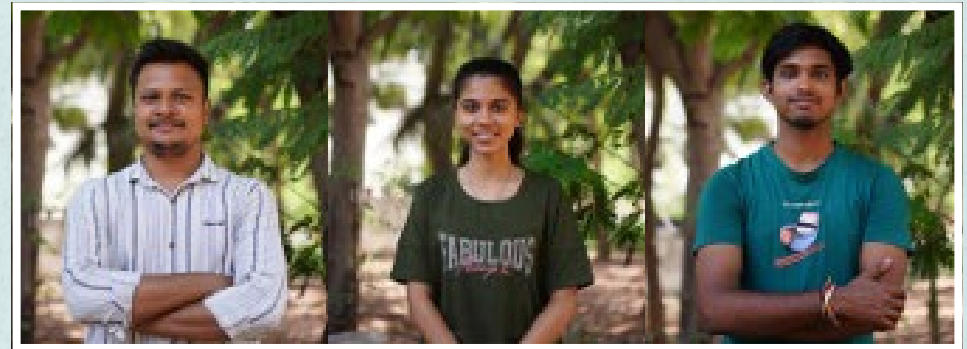


Exhibit “Lion”

The sculpture was fabricated at the Advanced Welding Laboratory, SVNIT Surat, using scrap materials and gas metal arc welding to join the materials. Scrap materials involved mild steel metal rings, strips, hooks, sheet and wire as well as galvanised bolts, washers and nuts.

The conversion of this scrap material into the Lion face sculpture serves as encouragement to society for reuse, reduce and recycle for a better future. It exemplifies creativity, sustainability, and skilled craftsmanship. This project demonstrates how discarded materials can be transformed into a striking piece of art through innovative welding techniques, emphasizing the importance of recycling and repurposing waste.

It also underscores the significance of welding as a vital industrial skill that contributes to both functional and aesthetic advancements. Displayed at SVNIT Surat, this lion sculpture serves as a motivational piece, urging individuals and industries to rethink waste management and embrace eco-friendly solutions while appreciating the fusion of engineering and art.

Dimensions of Exhibit

61 cm high x 45 cm wide x 36 cm length



Lion
SVNIT Team