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## **CERTIFICATE**

This is to certify that the PhD dissertation titled **"Modeling Tools for Efficient Design of Mechanical Properties of Ferritic Steel Welds"**. Submitted by **Mr. Bharat Jagjivandas Chauhan** in partial fulfilment of the award of DOCTOR OF PHILOSOPHY in Metallurgical and Materials Engineering Department to the Maharaja Sayajirao University of Baroda, has been carried out by him in the Metallurgical and Materials Engineering Department, Faculty of Technology and Engineering. The M.S. University of Baroda, Vadodara under guidance of Prof.(Dr).S.N.Soman, the matter presented in the PhD dissertation has not been submitted for the award of any other degree or diploma anywhere.

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