EFFECT OF WELDING PARAMETERS ON MECHANICAL PROPERTIES AND CORROSION RESISTANCE OF DUPLEX STAINLESS STEEL (UNS S31803) AND SUPER DUPLEX STAINLESS STEEL (UNS S32750) WELDMENTS

THESIS

SUBMITTED TO THE



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES, DEHRADUN

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF THE AWARD OF DEGREE OF

DOCTOR OF PHILOSOPHY

ON

30 JANUARY 2017

BY PRABHU PAULRAJ SAP: 500025223

UNDER THE SUPERVISION OF

Dr. RAJNISH GARG INTERNAL GUIDE

Dr. MUKESH SAXENA INTERNAL CO-GUIDE Dr. R. ARULMANI EXTERNAL GUIDE