

ISSN No. : 2321-9653



International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : www.ijraset.com, E-mail : ijraset@gmail.com



JISRA F

ISRA Journal Impact Factor: **7.429**





THOMSON REUTERS Researcher ID: N-9681-2016



TOGETHER WE REACH THE GOAL SJIF 7.429

It is here by certified that the paper ID : IJRASET22275, entitled Design and Dynamic Analysis of Crane Hook with Niobium Micro Alloying Steel

> by Manoj Hirani

after review is found suitable and has been published in

Volume 7, Issue IV, April 2019

in



Editor in Chief, **iJRASET**

International Journal for Research in Applied Science & Engineering Technology (International Peer Reviewed and Refereed Journal) Good luck for your future endeavors



ISSN No. : 2321-9653



International Journal for Research in Applied Science & Engineering Technology

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : www.ijraset.com, E-mail : ijraset@gmail.com



I SRA F

ISRA Journal Impact Factor: 7.429





THOMSON REUTERS



TOGETHER WE REACH THE GOAL SJIF 7.429

It is here by certified that the paper ID : IJRASET22275, entitled Design and Dynamic Analysis of Crane Hook with Niobium Micro Alloying Steel

> bv Prof. Ronak Shah



after review is found suitable and has been published in Volume 7, Issue IV, April 2019

in

were

Editor in Chief, **iJRASET**

International Journal for Research in Applied Science & Engineering Technology (International Peer Reviewed and Refereed Journal) Good luck for your future endeavors