



National Institute of Technology Rourkela

Upon the recommendation of the Senate,
hereby confers the degree of

Doctor of Philosophy

on

Sachin Kumar

who has successfully defended the thesis entitled

“Conversion of Waste HDPE into Liquid Fuels”

and has fulfilled all other requirements
for the degree in the Department of

Chemical Engineering

Given this day, under the seal of the Institute
at Rourkela in the Republic of India,
the 17th Day of January 2015.



Registrar



Director