

**EXPLORING IMMOBILIZATION POTENTIAL OF HEAVY METALS IN
FLY ASH AND COPPER TAILINGS AND THEIR SUSTAINABLE
UTILIZATION USING LIFE CYCLE ASSESSMENT**

THESIS

Submitted in partial fulfilment
of the requirements for the degree of

DOCTOR OF PHILOSOPHY

by

RAHUL DANDAUTIYA

(2013PHXF0411P)

Under the Supervision of

Prof. (Dr.) AJIT PRATAP SINGH



BITS Pilani
Pilani | Dubai | Goa | Hyderabad

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI

2019