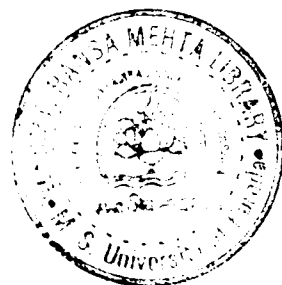


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A Thesis submitted to

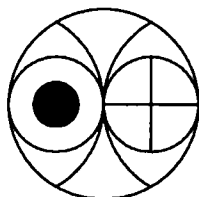


**The Maharaja Sayajirao University of Baroda,
Vadodara, India**

**For the degree of
Doctor of Philosophy in Geology**

By

ALOK KUMAR



**Geosciences Division
Physical Research Laboratory,
Navrangpura, Ahmedabad-380009, India
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