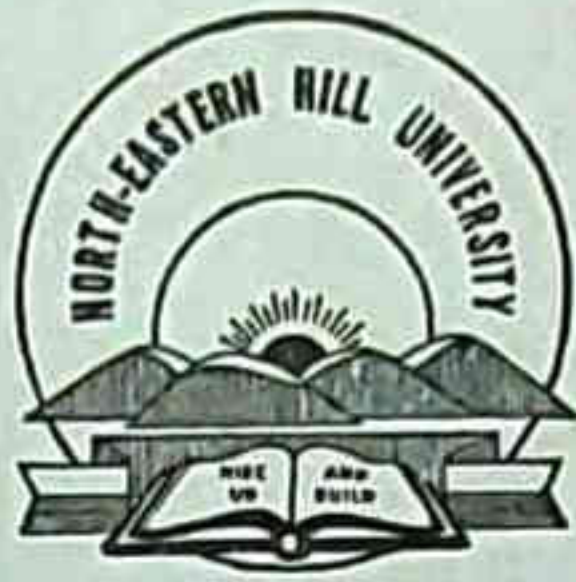


North-Eastern Hill University



DOCTOR OF PHILOSOPHY

This is to certify that

Robin Kumar Dutta

has been admitted to the Degree of Doctor
of Philosophy in Chemistry

in the School of Physical Sciences in the
year 1994

Shillong,

The 4th Nov. 1995

V. D. D. D.
Vice-Chancellor