

**MULTI-COMPONENT SYNTHESIS OF HETEROCYCLIC
COMPOUNDS OF BIOLOGICAL IMPORTANCE USING
SURFACE COATED METAL NANOPARTICLES AND
GRAPHITE OXIDE AS CATALYSTS**

**A THESIS SUBMITTED IN FULFILMENT OF THE
REQUIREMENT FOR THE
DEGREE OF
DOCTOR OF PHILOSOPHY**

**BY
BINOYARGHA DAM, *M. Sc.***

**DEPARTMENT OF CHEMISTRY
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NORTH-EASTERN HILL UNIVERSITY
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