

**A STUDY OF SOLAR CYCLE VARIATIONS OF ELECTRON TEMPERATURE OF
IONOSPHERE OVER INDIAN ZONE USING INTERNATIONAL REFERENCE
IONOSPHERE (IRI) MODEL**



Dissertation Submitted to Dibrugarh University for the
T.D.C. CBCS SEM-VI PHYSICS (HONOURS) DSE-4 PAPER
Bachelors of Science in Physics

Submitted By-

MANAB PRAN BRAHMIN

Roll No. of DU: 15820037

Reg. No. : S2008136

Under the guidance of

“Dr. MINAKSHI CHAMUA”

DEPARTMENT OF PHYSICS

TINSUKIA COLLEGE

Tinsukia - 786125

2023



Dr. Minakshi Chamua
Department of Physics
Tinsukia College
Tinsukia, Assam

Phone: 7002806304
Email- mchamua@gmail.com

CERTIFICATE

This is to certify that the dissertation entitled “**A STUDY OF SOLAR CYCLE VARIATIONS OF ELECTRON TEMPERATURE OF IONOSPHERE OVER INDIAN ZONE USING INTERNATIONAL REFERENCE IONOSPHERE (IRI) MODEL**” which is being submitted to Dibrugarh University for T.D.C. CBCS Sem-VI in Physics (Honours) by **Manab Pran Brahmin**, Roll no- **15820037** , Reg. No.- **S20080136** of Dibrugarh University, is his work carried out under my supervision.

Dr. Rajib Konwar

(Signature of H.O.D)

Department Of Physics

HEAD

DEPARTMENT OF PHYSICS
TINSUKIA COLLEGE
TINSUKIA

Principal
TINSUKIA COLLEGE
TINSUKIA

(Dr. Minakshi Chamua)

(Supervisor)

Department of Physics

Assistant Professor
Department of Physics
Tinsukia College