

**STUDY OF SOLAR ACTIVITY IN RELATION WITH ELECTRON  
DENSITY USING INTERNATIONAL REFERENCE IONOSPHERE (IRI)  
MODEL**

A report submitted in partial fulfillment for the degree of

**Bachelors of Science in Physics**

By

**SRIJON BHOWAL**

**ROLL NO - 15820077**

**REGISTRATION NO - S2008216**

Under the guidance of

**Dr. MINAKSHI CHAMUA**



Tinsukia - 786125

June 2023

**TINSUKIA COLLEGE, Dibrugarh University**

**Tinsukia - 786125**



**CERTIFICATE**

This is to certify that the dissertation entitled "Study Of Solar Activity In Relation With Electron Density Using International Reference Ionosphere (IRI) Model" carried out by SRIJON BHOWAL is a bonafide record of the project work done under our supervision and guidance in partial fulfillment of the requirement for the award of the degree of Bachelors of Science in Physics, Tinsukia College ,Dibrugarh University, Tinsukia during the academic year 2022-2023.

Roll No : 15820077

Register Number : S2008216

Date of Examination: 14/06/23

Project Guide:

Dr.Minakshi Chamua

*(Signature)*  
Assistant Professor  
Department of Physics  
Tinsukia College

Internal Examiner:

*(Signature)*  
Principal  
TINSUKIA COLLEGE  
TINSUKIA

Head of Department

Dr.Rajib Konwar

*(Signature)*  
J. Rajkonwar (Ext)

Joyanta Rajkonwar  
4/6/2023  
External Examiner.

HEAD  
DEPARTMENT OF PHYSICS  
TINSUKIA COLLEGE  
TINSUKIA