



**ASSAM UNIVERSITY, SILCHAR**  
(A Central University constituted under Act XIII of 1989)  
Silchar-788011, Assam, India

---

**Prof. Chira R. Bhattacharjee**  
Department of Chemistry  
Email: [crbhattacharjee@rediffmail.com](mailto:crbhattacharjee@rediffmail.com)

Date: 26.12.2016

### **CERTIFICATE**

Certified that the thesis entitled “**Synthesis, Mesomorphic and Photoluminescence Study of Strategically designed Schiff base ligands and their Complexes with some Transition Metal ions**” submitted by **Sutapa Chakraborty** for award of the **Degree of Doctor of Philosophy in Chemistry** is the outcome of a bonafide research work. This work has not been submitted previously for any other degree of this or any other university. It is further certified that the candidate has complied with all the formalities as per requirements of Assam University. I recommend that the thesis may be placed before the examiners for consideration of award of the degree of this university.

**Prof. Chira R. Bhattacharjee**  
Supervisor