

Declaration

I hereby declare that this thesis contains original research work carried out by me under the guidance of Dr. Sukanta De, Assistant Professor, department of physics, Presidency University, Kolkata, India as part of the PhD programme. All information in this document have been obtained and presented in accordance with academic rules and ethical conduct. I also declare that, as required by these rules and conduct, I have fully cited and referenced all materials and results that are not original to this work. I also declare that, this work has not been submitted for any degree either in part or in full to any other institute or University before.

Sukanta De
02/09/19
Signature of the Candidate with date

Certificate from the Supervisor

This is to certify that the thesis entitled "**2-D Nano Materials and their Hybrids as Supercapacitor Electrodes for Energy Storage Applications**" submitted by Mr. Shibsankar Dutta, who got his name registered for PhD programme under my supervision (**Registration Number: R-14RS09110068** and date of Registration: **12/08/2016**) and that neither his thesis nor any part of the thesis has been submitted for any degree/diploma or any other academic award anywhere before.

Sukanta Be 02/09/2019

Signature of the Supervisor with date and official stamp

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