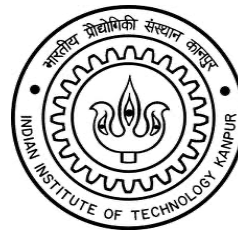




## Students' Placement Office, IIT Kanpur

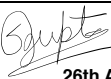
### Project Verification Form



**By appending your signatures to this form you acknowledge and agree that:**

<b>Title of the Project</b>	Modelling and Simulation of Electrochemical Systems
<b>Commencement Date</b>	15 <sup>th</sup> Jan 2021
<b>Completion Date</b>	30 <sup>th</sup> April 2021
<b>Project Supervisor</b>	Prof. Raj Ganesh S. Pala
<b>Organization/Institution where the Project was accomplished</b>	Department of Chemical Engineering, IIT Kanpur
<b>Project Description</b> (You can use extra A4 sheets in case you run out of space however the extra sheets should also have the seal & signature of the Project Supervisor or the relevant authority )	
<ul style="list-style-type: none"><li>Analysed finite difference method to discretise coupled differential equation of mass transfer &amp; chemical reactions</li><li>Remodelled 2 systems (Cu electrowinning &amp; fuel cell) using Butler-Volmer equation to get <math>e^-</math> density at electrodes</li><li>Considered activation, ohmic, &amp; conc. polarisation to create the 2 systems</li><li>Rectified <b>copper membrane electrode assembly</b> utilising simulations for CO<sub>2</sub> reduction using boundary conditions</li></ul>	

- This form along with the certificate would serve as the official document between the project supervisor and Students Placement Office, IIT Kanpur regarding verification of the student's project work
- The student will provide additional information and documentation relevant to his/her project upon request by the Students' Placement Office
- The student has clearly defined his/her individual role in projects done in cooperation with other students, faculty, groups or company personnel.
- Incorrectly over-stating the reach, impact and/or quantitative/qualitative results of a project is unethical.
- In case of violation of any of the above rules, Students' Placement Office, IIT Kanpur reserves the right to take necessary action including de-registering the student from the placement season and reporting the misconduct to the Institute Authorities.

<b>Submitted by:-</b>	<b>Project Supervisor Details:-</b>
Name: Shubham Gupta	Name: Prof. Raj Ganesh S. Pala
Roll No: 180749	Designation: Professor, Department of Chemical Engineering
Signature:  26th Aug 2021	Signature: