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## राष्ट्रीय प्रौद्योगिकी संस्थान दुर्गापुर

**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR**  
MAHATMA GANDHI AVENUE, DURGAPUR-713209 (West Bengal), INDIA

Date: April 22, 2021

### **TO WHOM IT MAY CONCERN**

I am happy to write this letter of recommendation in support of **Mr. Sutonu Sadhukhan**'s application for the India – UK Joint Doctoral Program organized together by Indian Institute of Technology Kharagpur and the University of Manchester. I have known Mr. Sadhukhan for more than seven years now. In 2013 he joined the Department of Chemical Engineering, NIT Durgapur as a B.Tech student and, subsequently joined my research group prior to his final year project-work. In my research group, under my supervision, Mr. Sadhukhan worked upon a comparative assessment towards the removal of Ibuprofen from aqueous solution using biochar derived from: *Aegle marmelos* as his B.Tech Thesis.

Mr. Sadhukhan has got published a research paper entitled "**Elucidation of ibuprofen uptake capability of raw & steam activated biochar of: Aegle marmelos shell: Isotherm, kinetics, thermodynamics and, cost estimation**" in the international peer-reviewed journal of repute, **Process Safety & Environmental Protection**, vol. 118, 2018, on the basis of his B.Tech project. During his bachelors, he tried his best to produce a quality work by staying focused and, worked with limited supervision and, interactions. He stayed self-motivated and, result-oriented under difficult conditions. The research problem was interdisciplinary in nature and, required concepts from: pharmacy, chemical engineering and, mathematical theories. He showed keen interest in learning and, applying new and, different concepts being driven towards a common goal.

During my interaction with Mr. Sadhukhan, as his project supervisor, I have observed him to be a keen learner, self-driven and, hard-working individual who can also easily work equally well in a team. He has a very unassuming personality and, is always approachable with a smiling face. He was one of the few graduating B.Tech students who had a job offer in: M. N. Dastur &, Co. Pvt. Ltd. Kolkata – a testimony of his skill-sets and, strengths. Mr. Sadhukhan is currently working with: Galaxy Surfactants Limited, Navi Mumbai and, I feel that, he is likely to do well in his chosen field of study &/or, career also in the near future. I recommend him for the India – UK Joint Doctoral Programme.

I wish him all the very best for his future endeavours.

(Prof. Gopinath Halder)

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