

DECLARATION

This is to certify that the thesis titled “Numerical Simulation of Gas Hydrate Dissociation” has been authored by me. It shows the research I have conducted under the supervision of Prof. Arghya Das.

To the best of my understanding, this thesis represents an entirely unique piece of research, both in its content and presentation, and has not been previously submitted, either partially or in its entirety, for any other academic qualification. Moreover, proper recognition has been given to existing cutting-edge knowledge and cooperative efforts through appropriate citations and acknowledgment, adhering to established conventions and scholarly practices.

A handwritten signature in black ink, appearing to read 'Shivam', with a horizontal line underneath.

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