



DEPARTMENT OF BIOTECHNOLOGY
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CERTIFICATE

I certify that Ms. Payel Sarkar has prepared the thesis entitled "**STUDIES ON BIODEGRADATION OF PETROLEUM HYDROCARBONS BY A SOIL BACTERIUM**", for the award of PhD degree of the University of North Bengal, under my guidance. She has carried out the work at the Department of Biotechnology, University of North Bengal.

Dr. Shilpi Ghosh

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DATE: 27/1/2015