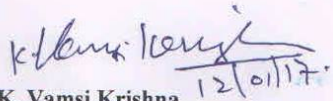


DECLARATION

I, **K. Vamsi Krishna** hereby declare that the work presented in this thesis "**MACRO SCOPIC MODELING OF GAS PRODUCTION FROM SHALE RESERVOIRS**", to the best of my knowledge and belief, is original and my own work carried out at **UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**, and has not been submitted elsewhere for a degree, also it contains no material previously published or written by another person except where due acknowledgement has been made in the text.



Handwritten signature of K. Vamsi Krishna, dated 12/01/17.

K. Vamsi Krishna

Assistant Professor (SS),
College of Engineering Studies,
University of Petroleum & Energy Studies,
Dehradun-248007.