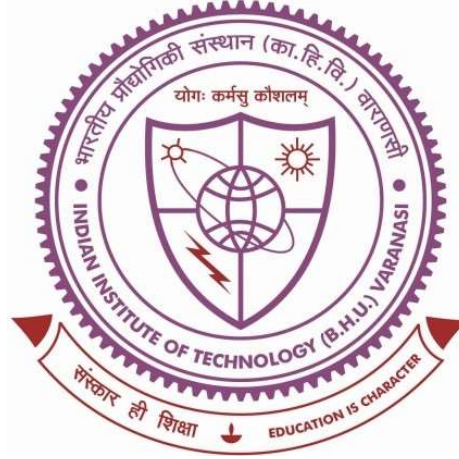


Additive Manufacturing of Hierarchically Porous Copper Current Collectors for Advanced Lithium Metal Batteries



Thesis submitted in partial fulfillment for the
Award of the Degree of
Doctor of Philosophy

By

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DECLARATION BY THE CANDIDATE

I, "VIVEK MANI TRIPATHI" certify that the work embodied in this thesis is my own bonafide work and carried out by me under the supervision of *Dr. Pawan Sharma and Prof. Rajnesh Tyagi*, from "July 2022 to June 2025", at the "DEPARTMENT OF MECHANICAL ENGINEERING", Indian Institute of Technology (BHU), Varanasi. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma.

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This is to certify that the above statement made by the candidate is correct to the best of my knowledge.


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