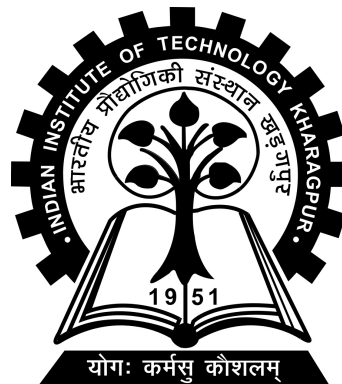


COMPUTER SCIENCE & ENGINEERING
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CERTIFICATE

This is to certify that the project report entitled “Morphed Speech in X-Vector-Based Speaker Verification: Vulnerability and Assessment” submitted by Priyanshi Dixit (Roll No. 20CS30069) to Indian Institute of Technology Kharagpur towards partial fulfilment of requirements for the award of degree of Bachelor of Technology in Computer Science & Engineering is a record of bona fide work carried out by her under my supervision and guidance during Autumn Semester, 2023-24.

Date: November 3, 2023
Place: Kharagpur

Prof. K. Sreenivasa Rao
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