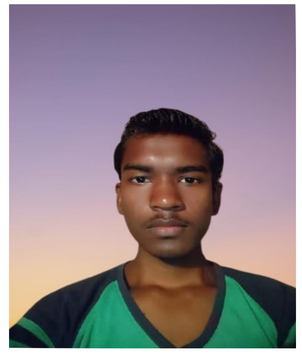
NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ARVIND KUMAR SINGH

for successfully completing the course

VLSI Physical Design with Timing Analysis

with a consolidated score of **42** %

Online Assignments	12.03/25	Proctored Exam	30/75

Total number of candidates certified in this course: **240**

Prof. Kaushik Ghosh,
Professor(Chemistry)
Coordinator CEC

Jan-Apr 2024

(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL24EE77S565300016

To verify the certificate

No. of credits recommended: 3 or 4