



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HARSHVARDHAN RAVINDRA GHOLAP

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **73** %

Online Assignments	23.5/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **50282**

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur

Jul-Oct 2025

(12 week course)



Indian Institute of Technology Kharagpur



Roll No: NPTEL25CS147S3571701474

To verify the certificate



No. of credits recommended: 3 or 4