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Roll No: NPTEL21CS17S13070081

To
PANKAJ TIWARI
36/8/146
BHAWAPUR
PRAYAGRAJ
UTTAR PRADESH - 211016
PH. NO :9473543234



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

PANKAJ TIWARI

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **63** %

Online Assignments	21.47/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **2555**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jan-Apr 2021
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No:NPTEL21CS17S13070081

To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CS66S23070225

To
PANKAJ TIWARI
36/8/146
BHAWAPUR
PRAYAGRAJ
UTTAR PRADESH - 211016
PH. NO :9473543234



Score	Type of Certificate
≥ 90	Elite+Gold
75-89	Elite+Silver
≥ 60	Elite
40-59	Successfully Completed
< 40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

PANKAJ TIWARI

for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of **68** %

Online Assignments	24.35/25	Proctored Exam	44.03/75
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Total number of candidates certified in this course: **2815**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jul-Oct 2021
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No:NPTEL21CS66S23070225

To validate and check scores: <https://nptel.ac.in/noc>