



NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SAYALI KANTILAL KALE

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of 84 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



(Jan-Apr 2026)

Roll No: NPTEL26CS37S1150100008

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16th Nov, 2023, similar to other refresher / orientation courses.
F.No. AICTE / RIFD / FDP through MOOCs / 2023



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to
PAWAR NISHANT HANUMANT
for successfully completing the course



Big Data Computing

with a consolidated score of **63** %

Online Assignments	20.83/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **5740**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Oct 2025

(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL25CS131S1266902820

To verify the certificate



No. of credits recommended: 2 or 3



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
APURVA UDAY RANANAVARE
for successfully completing the course



Introduction to Machine Learning

with a consolidated score of **54** %

Online Assignments	23.33/25	Proctored Exam	30.62/75
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Total number of candidates certified in this course: **9715**

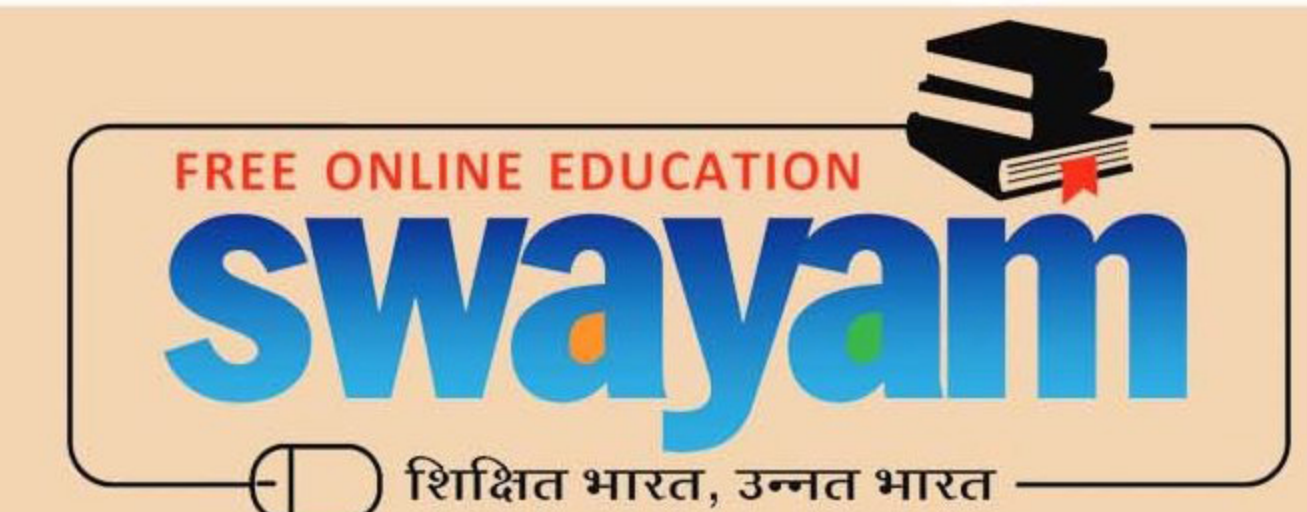
Jul-Sep 2025

(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL25CS149S631800231

To verify the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
कौशल भारत - कुशल भारत



This certificate is awarded to

BODHALE ARCHANA JAYSINGH

for successfully completing the course



Introduction to Internet of Things

with a consolidated score of **81** %

Online Assignments	23.75/25	Proctored Exam	57/75
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Total number of candidates certified in this course: **43953**

Jan-Apr 2026

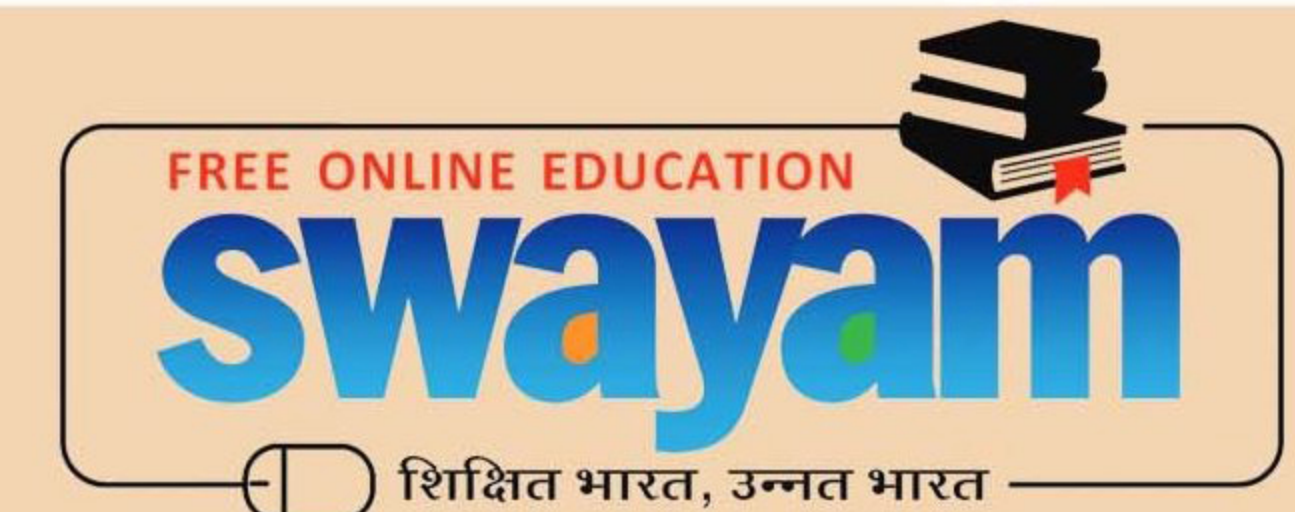
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL26CS37S1250100191

To verify the certificate



No. of credits recommended: 4



Elite

NPTEL ONLINE CERTIFICATION

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This certificate is awarded to
APURVA UDAY RANANAVARE
for successfully completing the course



Python for Data Science

with a consolidated score of **68** %

Online Assignments	23.92/25	Proctored Exam	44.25/75
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Total number of candidates certified in this course: **11133**

Prof. Andrew Thangaraj

Chair

Centre for Outreach and Digital Education, IITM

Jul-Aug 2024

(4 week course)

Prof. Vignesh Muthuvijayan

NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras





Elite

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Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to
PAWAR NISHANT HANUMANT
for successfully completing the course



Big Data Computing

with a consolidated score of **63** %

Online Assignments	20.83/25	Proctored Exam	42/75
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Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Aug-Oct 2025

(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL25CS131S1266902820

To verify the certificate



No. of credits recommended: 2 or 3



Elite

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SAYALI KANTILAL KALE

for successfully completing the course



Introduction to Internet of Things

with a consolidated score of **84** %

Online Assignments	23.69/25	Proctored Exam	60/75
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Total number of candidates certified in this course: **43953**

Jan-Apr 2026

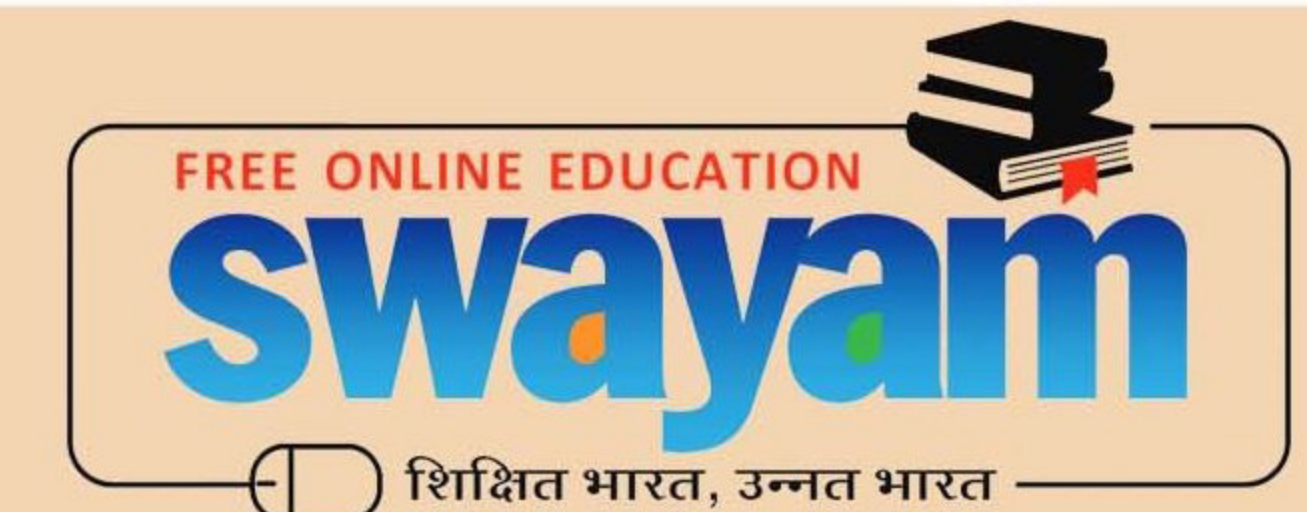
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL26CS37S1150100008

To verify the certificate



No. of credits recommended: 4