



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ABHISHEK DASGUPTA**

for successfully completing the course

## Operating System Fundamentals

with a consolidated score of **55** %

Online Assignments	20.44/25	Proctored Exam	34.5/75
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Total number of candidates certified in this course: **1433**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS123S835100110

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ABHISHEK GHOSHAL**

for successfully completing the course

## Introduction to Machine Learning

with a consolidated score of **49** %

Online Assignments	19.46/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **3449**

**Jul-Sep 2023**

**(8 week course)**

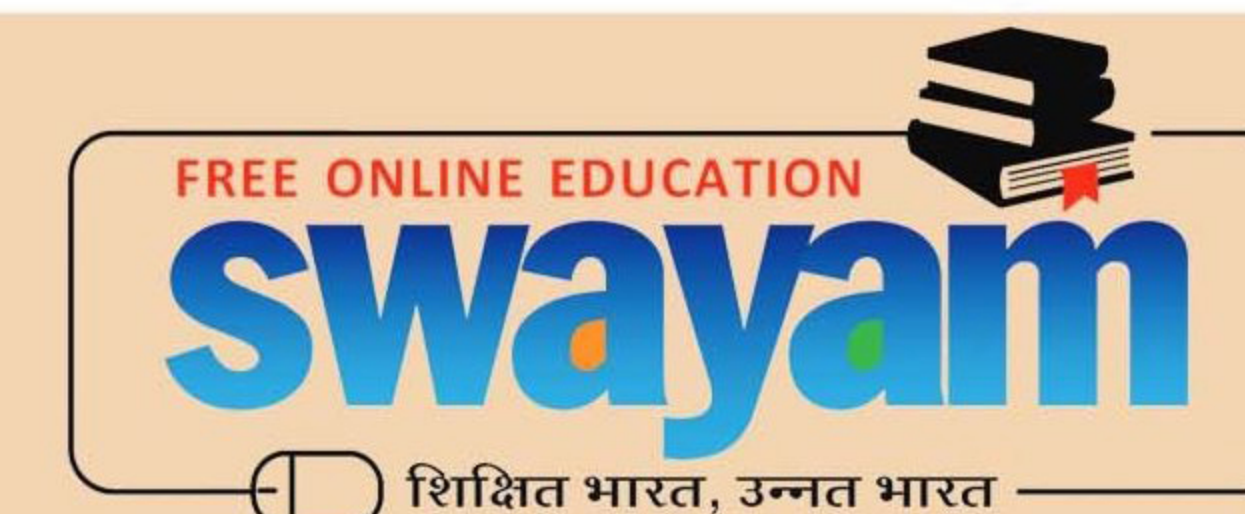
**Prof. Haimanti Banerji**

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS87S35950095

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

**ABHISHEK GHOSHAL**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **55** %

Online Assignments	24.63/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S635100142

To verify the certificate



No. of credits recommended: 3 or 4

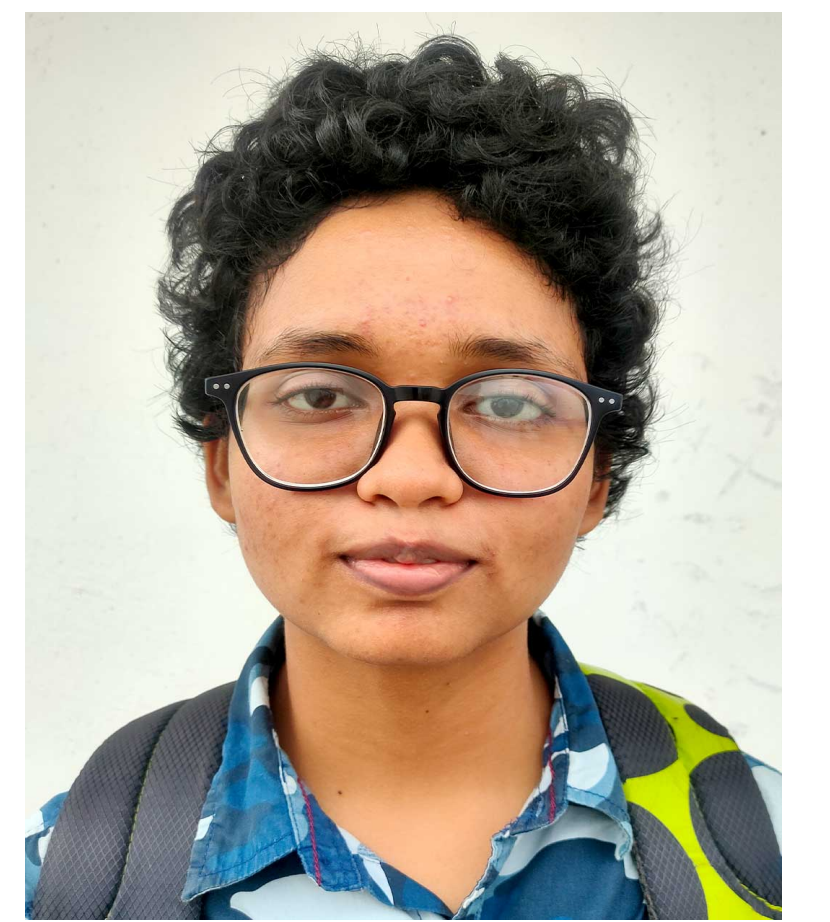




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ANANYA KAR**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **86** %

Online Assignments	25/25	Proctored Exam	61.37/75
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Total number of candidates certified in this course: **16145**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

*Prof. Andrew Thangaraj*

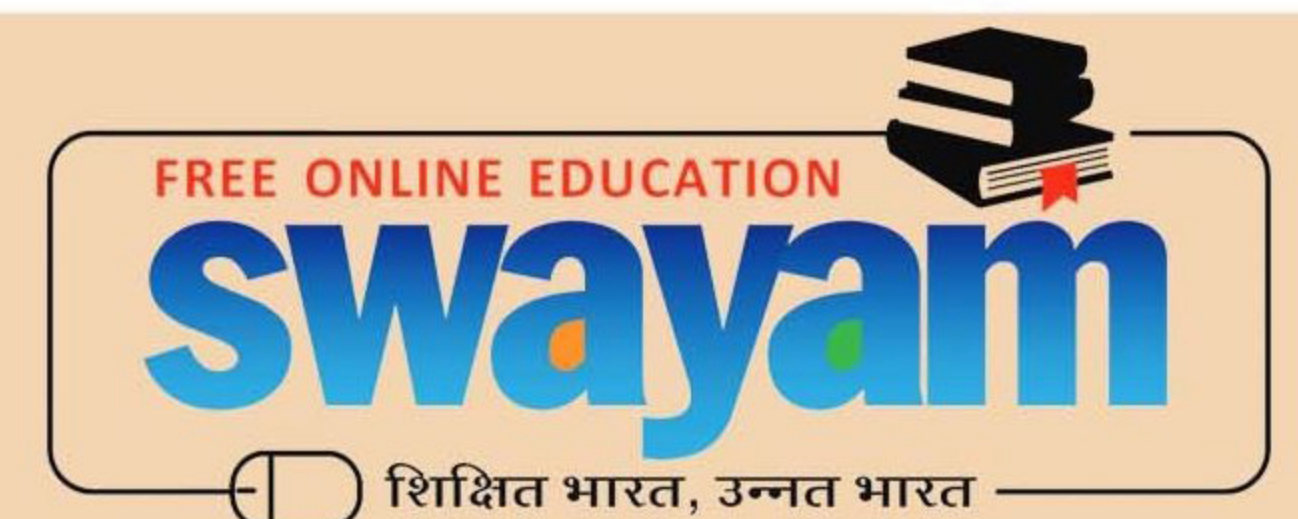
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S535100002

To verify the certificate



No. of credits recommended: 3 or 4

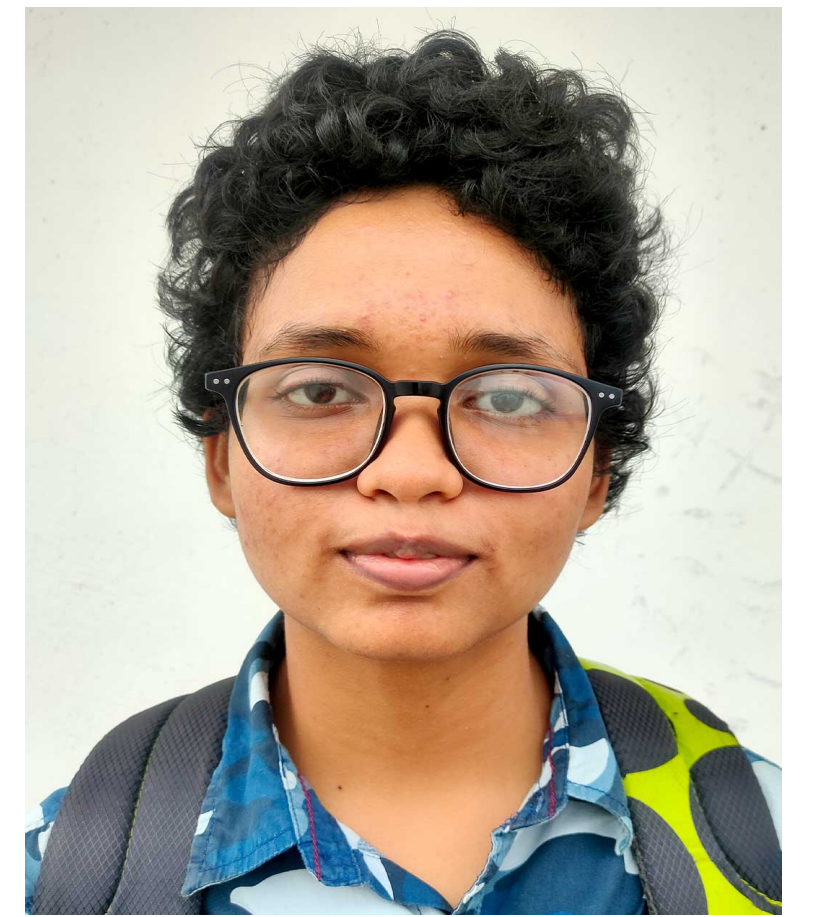




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ANANYA KAR**

for successfully completing the course

**Problem Solving Through Programming in C**

with a consolidated score of **77** %

Online Assignments	24.94/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

**(12 week course)**

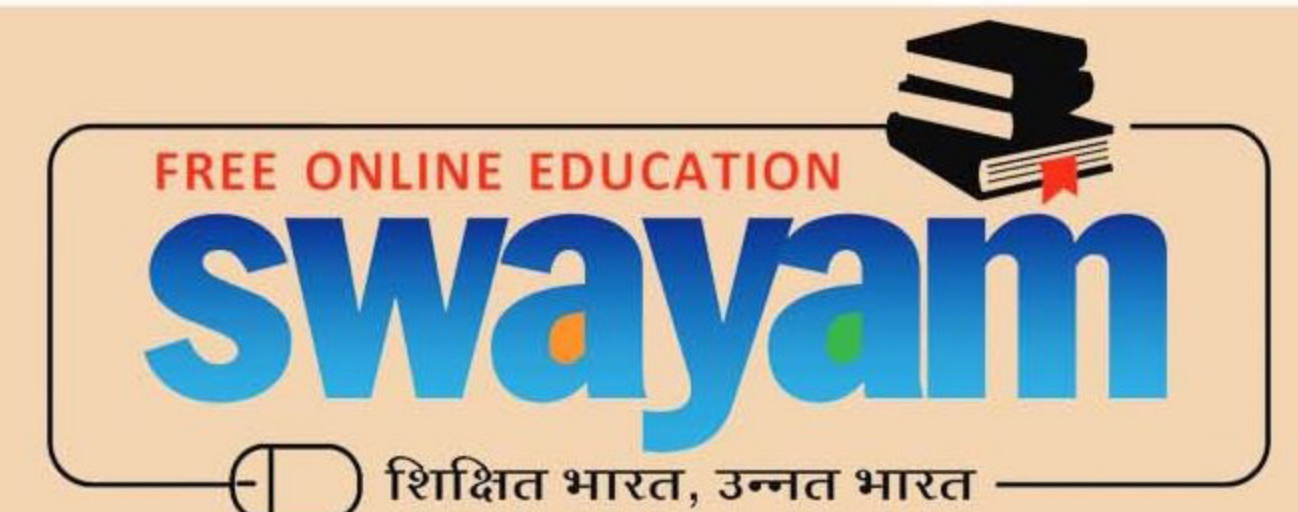


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S635100162

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MUSKAN NISHA**

for successfully completing the course

**Ethics in Engineering Practice**

with a consolidated score of **65** %

Online Assignments	16.67/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **4473**

**Aug-Oct 2023**

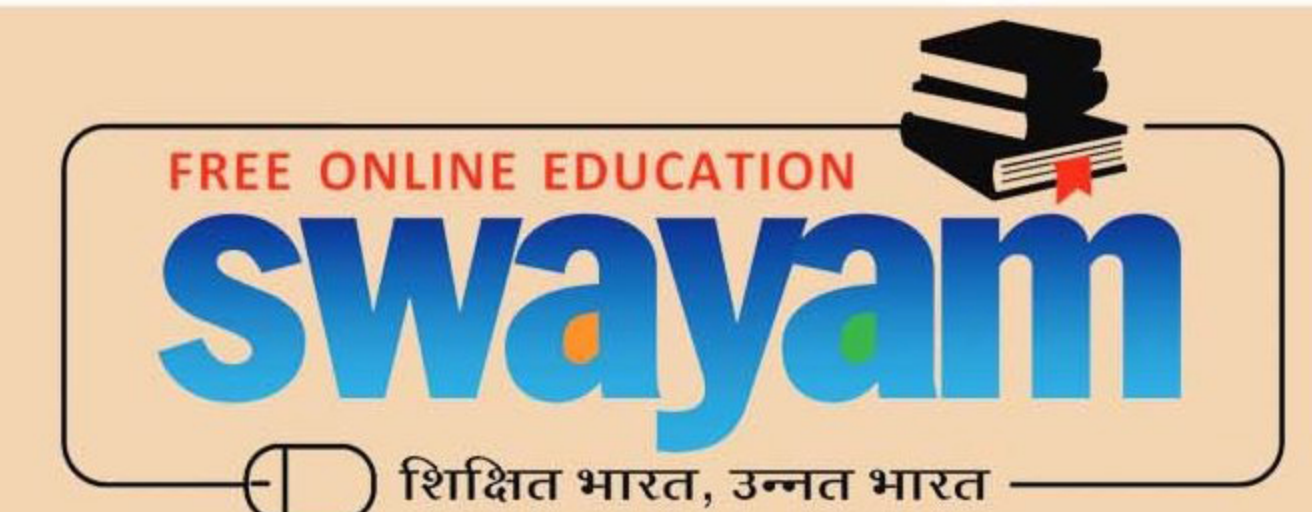
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23MG97S630100068

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ANTARIK MANNA**

for successfully completing the course

## The Joy of Computing Using Python

with a consolidated score of **60** %

Online Assignments	11.78/25	Proctored Exam	47.87/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

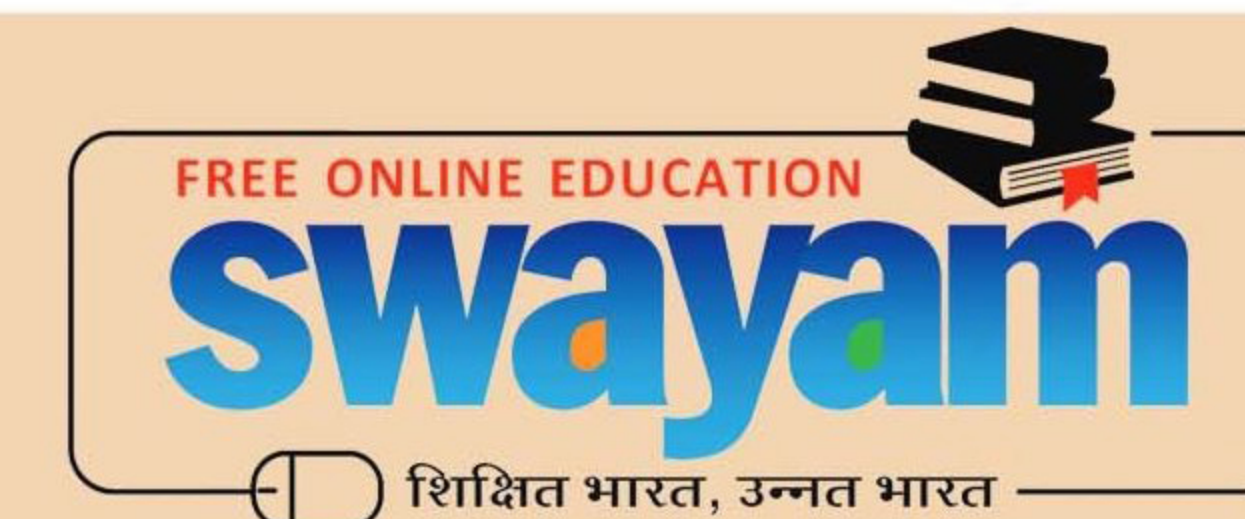
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S635100157

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**APARNA BHADURI**

for successfully completing the course

**Management Accounting**

with a consolidated score of **71** %

Online Assignments	18.85/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: **333**

**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

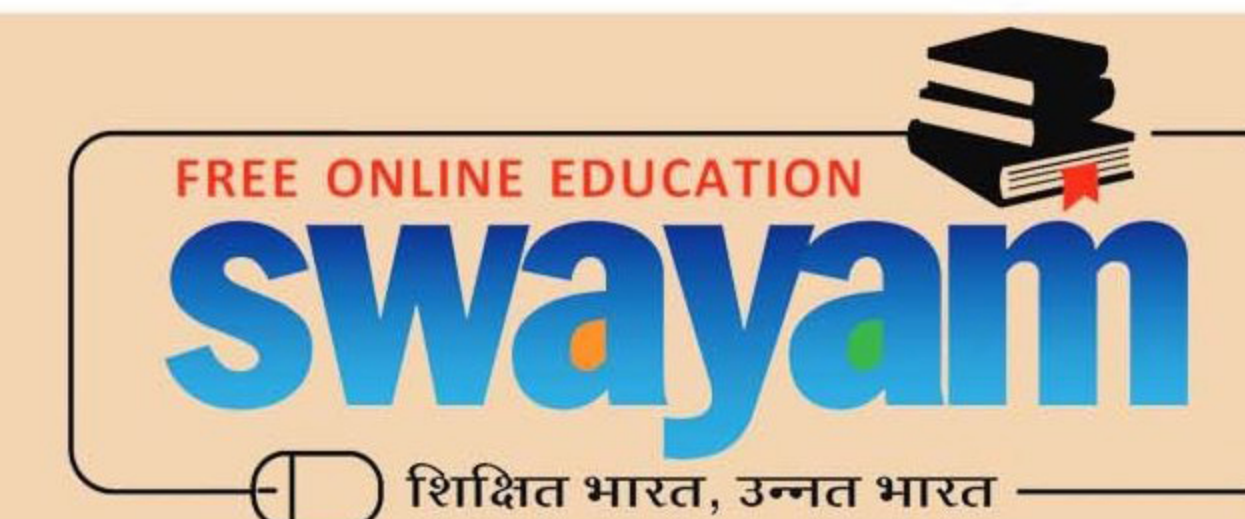
**Jul-Oct 2023**

**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL23MG101S539701103

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**APARNA BHADURI**

for successfully completing the course

**Working Capital Management**

with a consolidated score of **69** %

Online Assignments	17.72/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **181**

**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

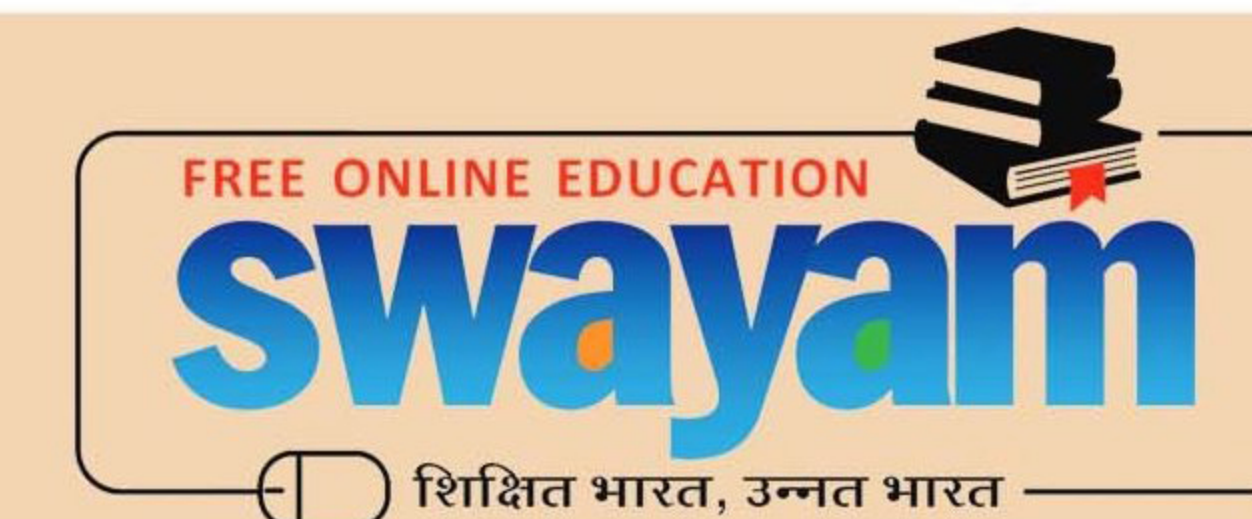
**Jul-Oct 2023**

**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL23MG102S739700253

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**AYAN MUKHERJEE**

for successfully completing the course

## The Joy of Computing Using Python

with a consolidated score of **60** %

Online Assignments	19.1/25	Proctored Exam	40.63/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

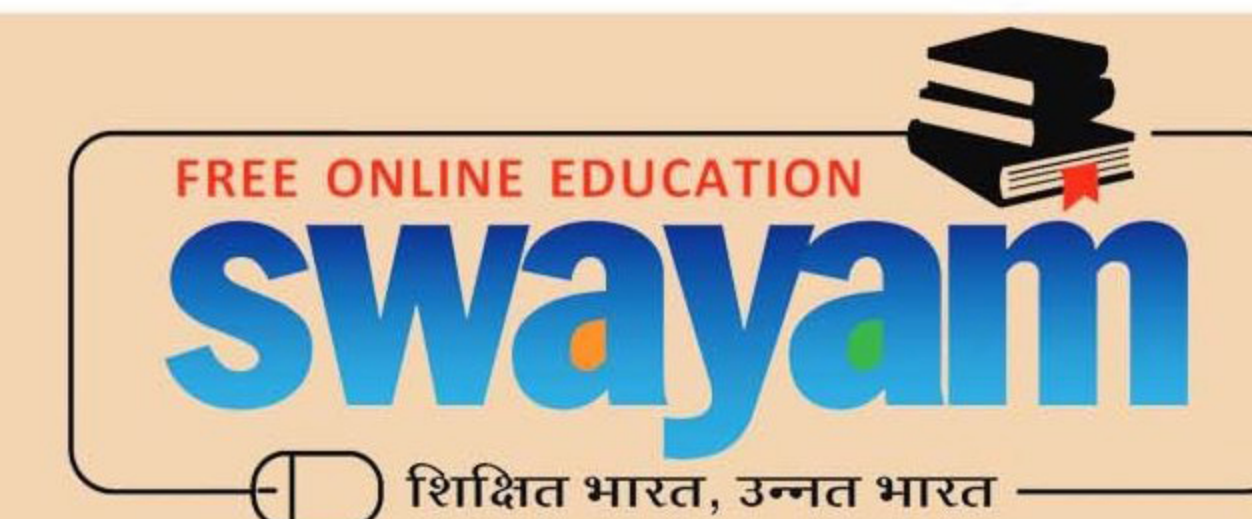
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S535100038

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**AYUSMAN MAJI**

for successfully completing the course

## The Joy of Computing Using Python

with a consolidated score of **60** %

Online Assignments	18.25/25	Proctored Exam	41.25/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

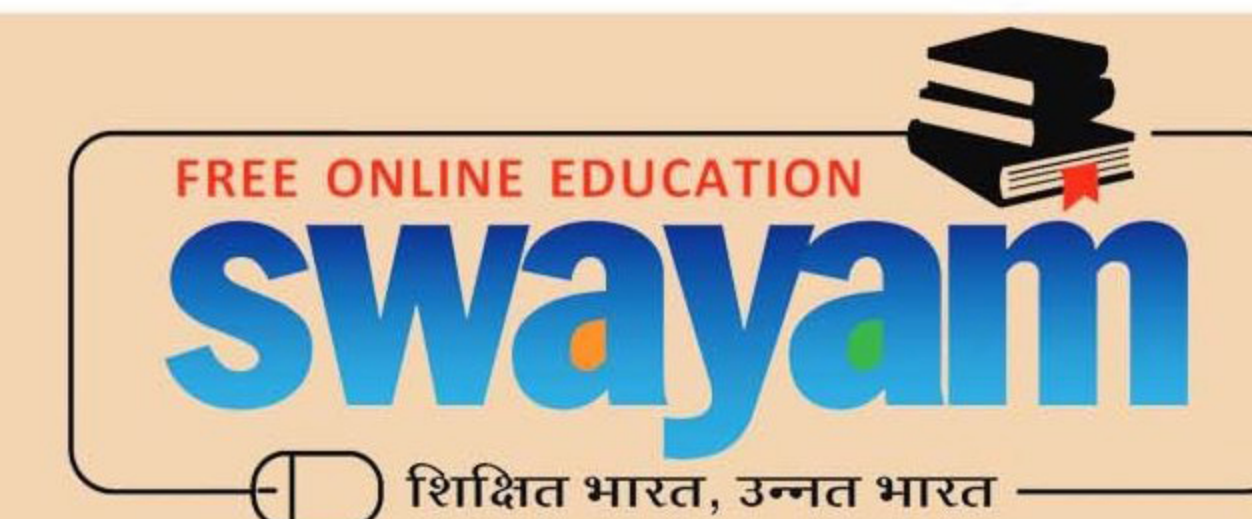
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S535100047

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**BAISHAKHI ADHIKARY**

for successfully completing the course

**Python for Data Science**

with a consolidated score of **71** %

Online Assignments	24.75/25	Proctored Exam	46.67/75
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Total number of candidates certified in this course: **7596**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Aug 2023**

**(4 week course)**

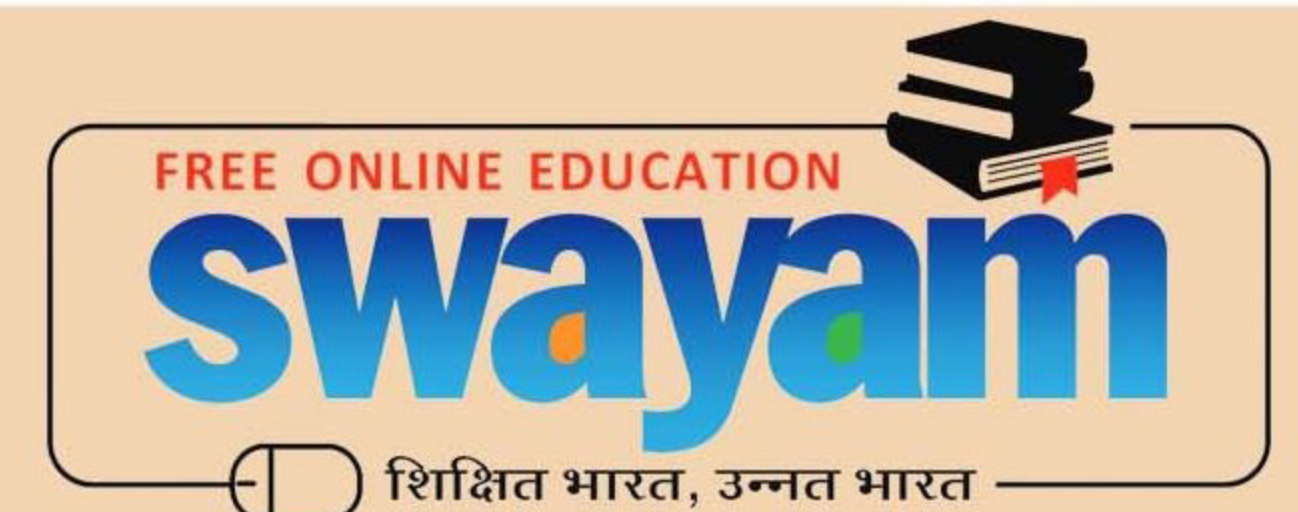
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS99S35950134

To verify the certificate



No. of credits recommended: 1 or 2

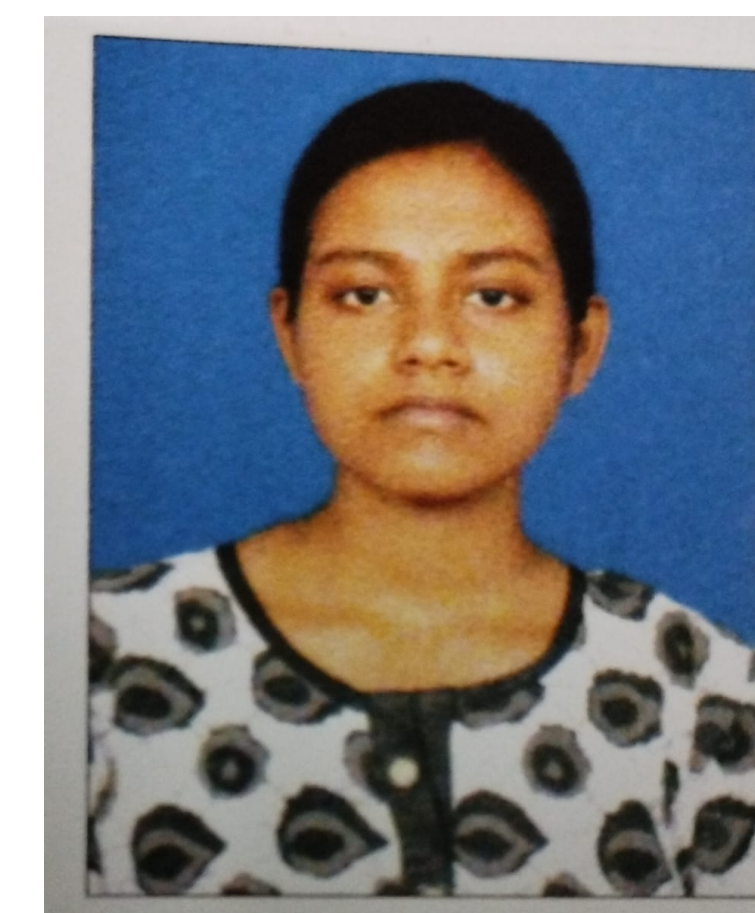




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**BIDISHA HAZRA**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **61** %

Online Assignments	21.78/25	Proctored Exam	38.93/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

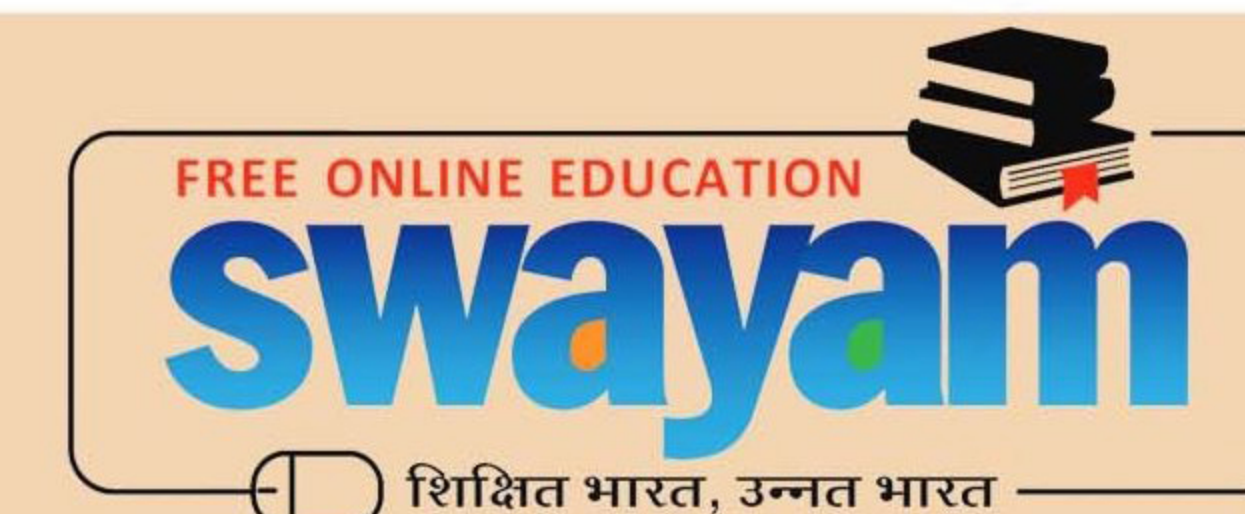
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S539700484

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DEVESH NATH JHA**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **57** %

Online Assignments	25/25	Proctored Exam	31.91/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

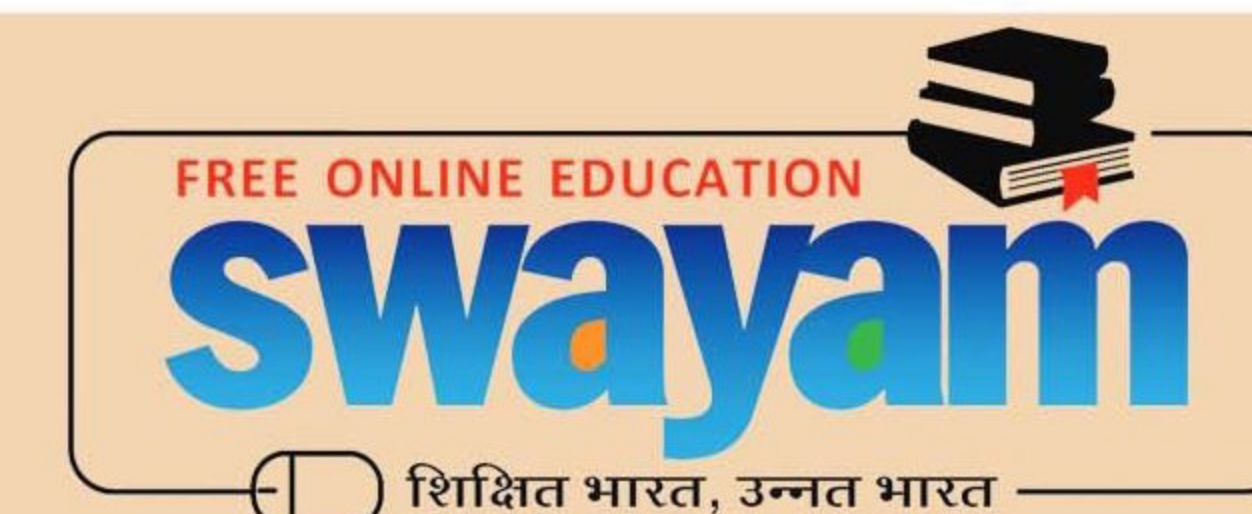
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S634000230

To verify the certificate



No. of credits recommended: 3 or 4

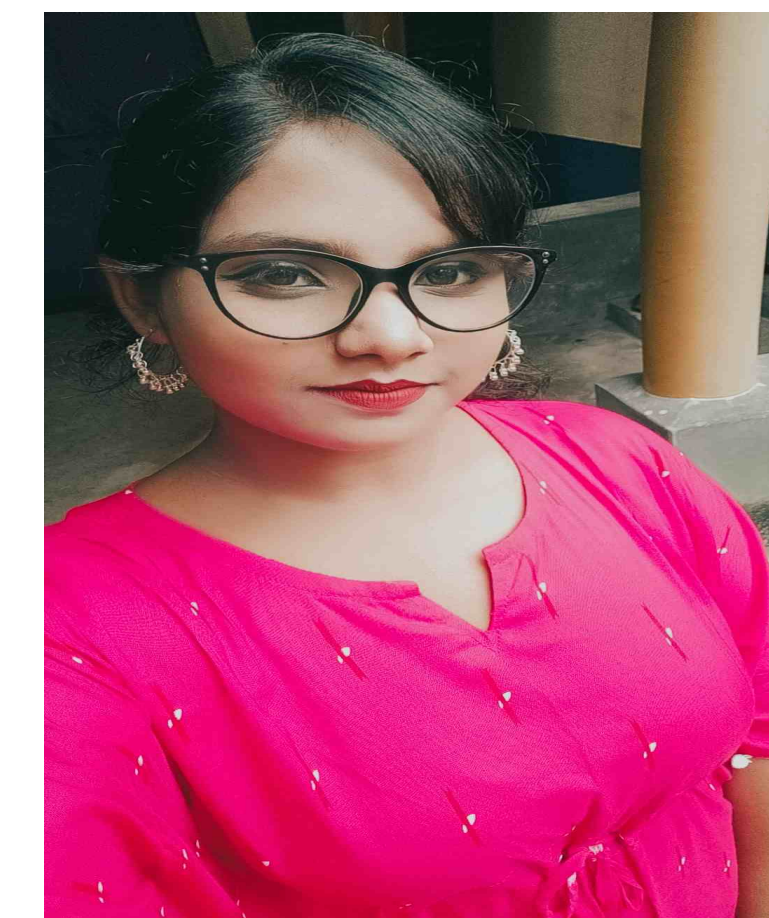




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MOUSUMI DEY**

for successfully completing the course

**Programming in Java**



with a consolidated score of **75** %

Online Assignments	23.88/25	Proctored Exam	51.53/75
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Total number of candidates certified in this course: **11713**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS74S735100013

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SOUVIK DAS**

for successfully completing the course

**Applied Electromagnetics for Engineers**

with a consolidated score of **55** %

Online Assignments	25/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **30**

**Prof. B. V. Ratish Kumar**

Chairman, Centre for Continuing Education  
IIT Kanpur

**Jul-Oct 2023**

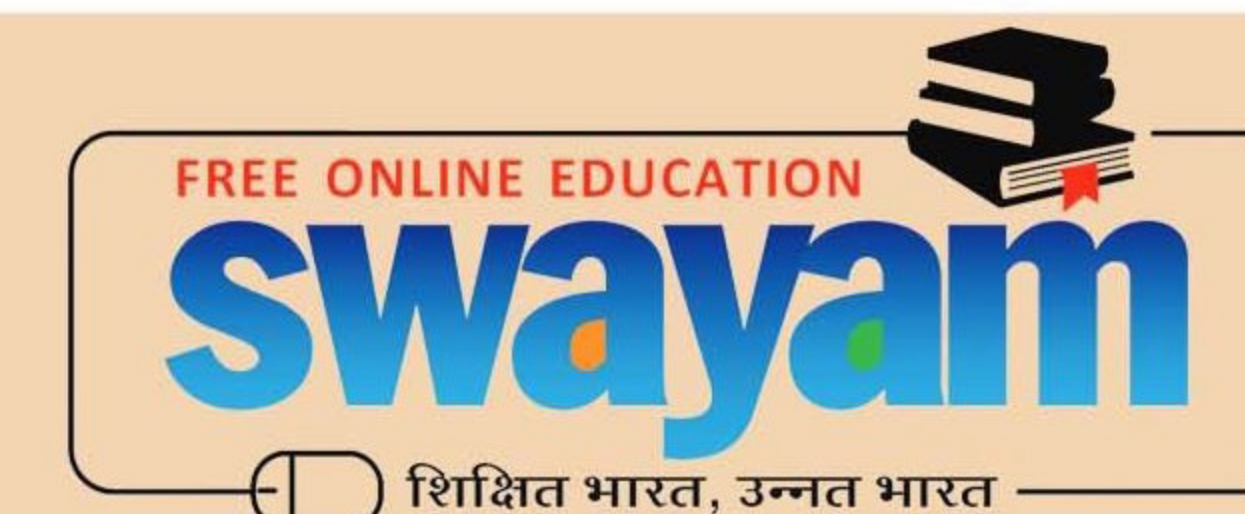
**(12 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23EE96S735100014

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ESITA THAKUR**

for successfully completing the course

**Stress Management**

with a consolidated score of **67** %

Online Assignments	20.83/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **1763**

**Aug-Sep 2023**

**(4 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23HS138S635100179

To verify the certificate



No. of credits recommended: 1 or 2

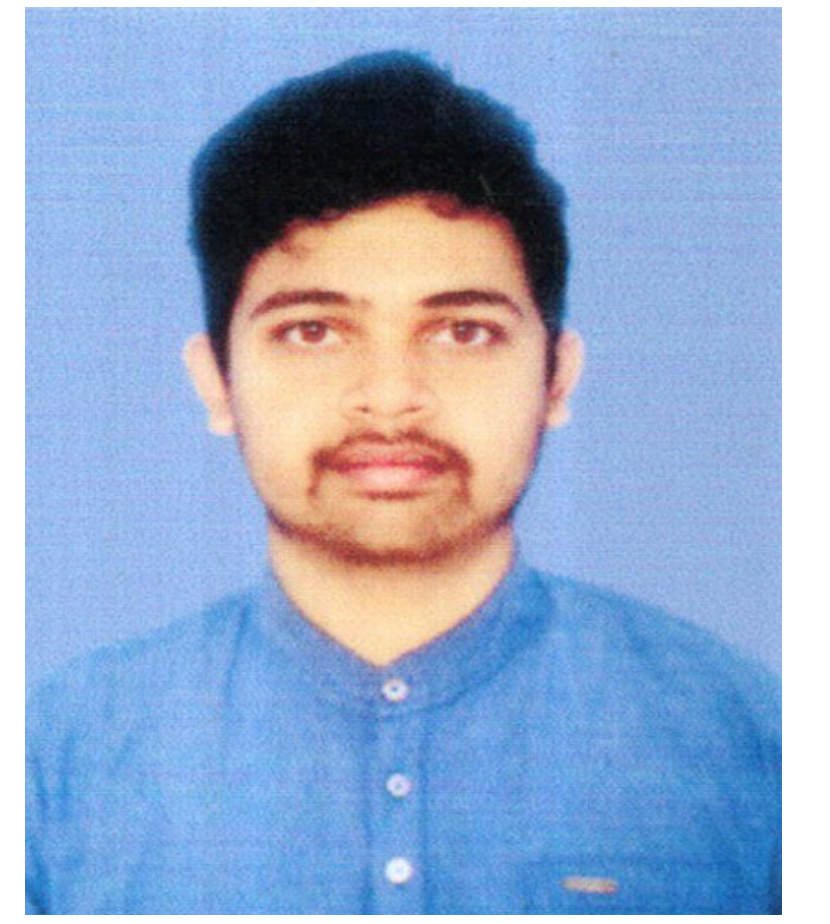




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**CHIRANJIT DALUI**

for successfully completing the course

**Programming in Java**



with a consolidated score of **76** %

Online Assignments	25/25	Proctored Exam	50.51/75
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Total number of candidates certified in this course:11713

**Jul-Oct 2023**

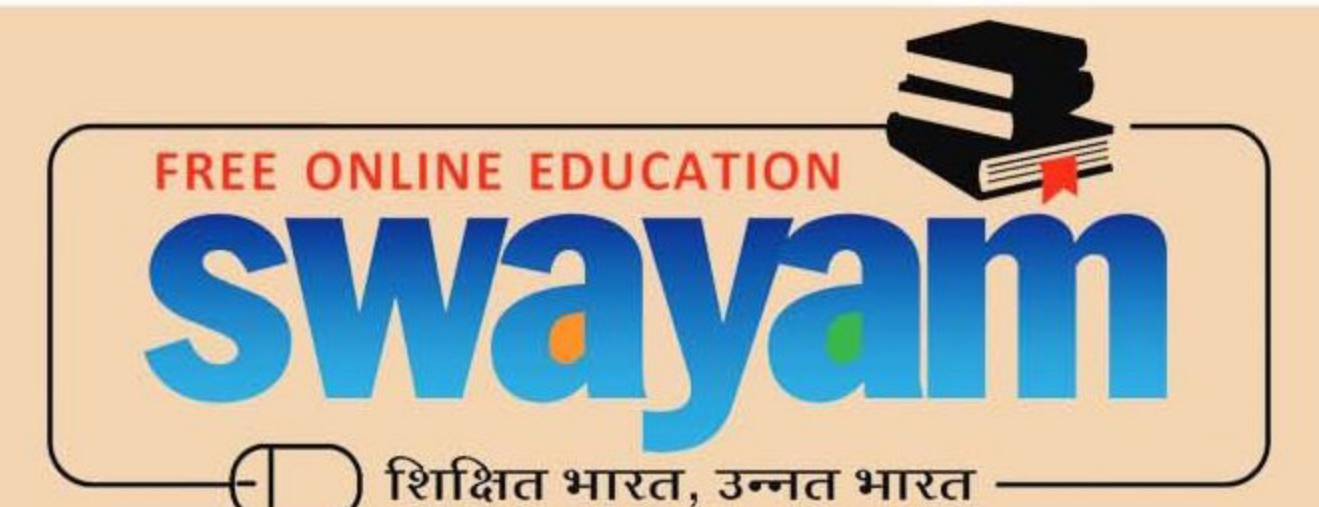
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS74S735100037

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**HIRONMOY KOLEY**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **60** %

Online Assignments	21.38/25	Proctored Exam	38.25/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S535100018

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ISHIKA DEY**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **43** %

Online Assignments	13.06/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S535100031

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ISHITA GOSWAMI**

for successfully completing the course

## Introduction to Machine Learning

with a consolidated score of **51** %

Online Assignments	20.92/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **3449**

**Jul-Sep 2023**

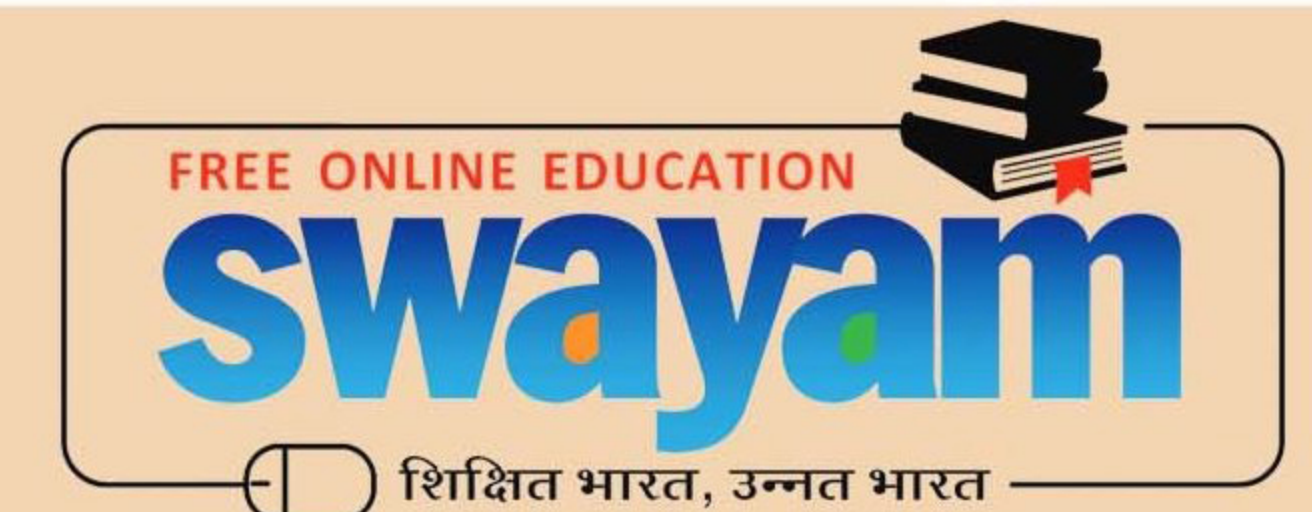
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS87S35950145

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

**SAYAN ADHIKARY**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **50** %

Online Assignments	19.85/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

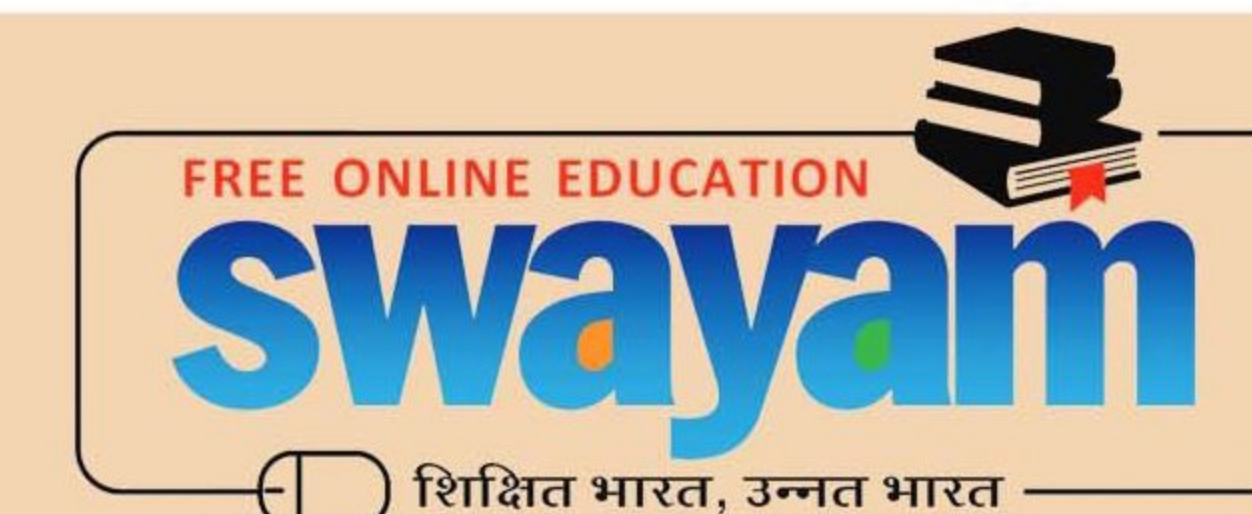
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S535100120

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RANGAN MUKHERJEE**

for successfully completing the course

## Privacy and Security in Online Social Media

with a consolidated score of **54** %

Online Assignments	10.82/25	Proctored Exam	43.37/75
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Total number of candidates certified in this course: **5647**

**Prof. Kishore Kothapalli**  
Professor and Dean (Academics)  
IIT Hyderabad

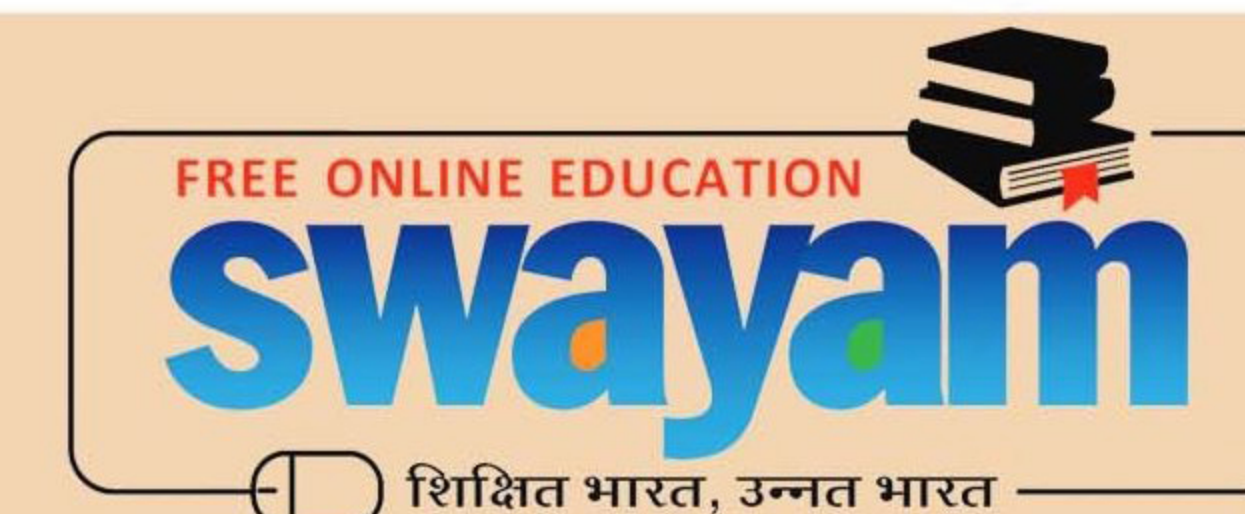
**Jul-Oct 2023**

**(12 week course)**

**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
IIT Madras



International Institute of Information Technology, Hyderabad



Roll No: NPTEL23CS69S631600036

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RANGAN MUKHERJEE**

for successfully completing the course

**Ethical Hacking**

with a consolidated score of **53** %

Online Assignments	23.41/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **4375**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS75S731600016

To verify the certificate



No. of credits recommended: 3 or 4

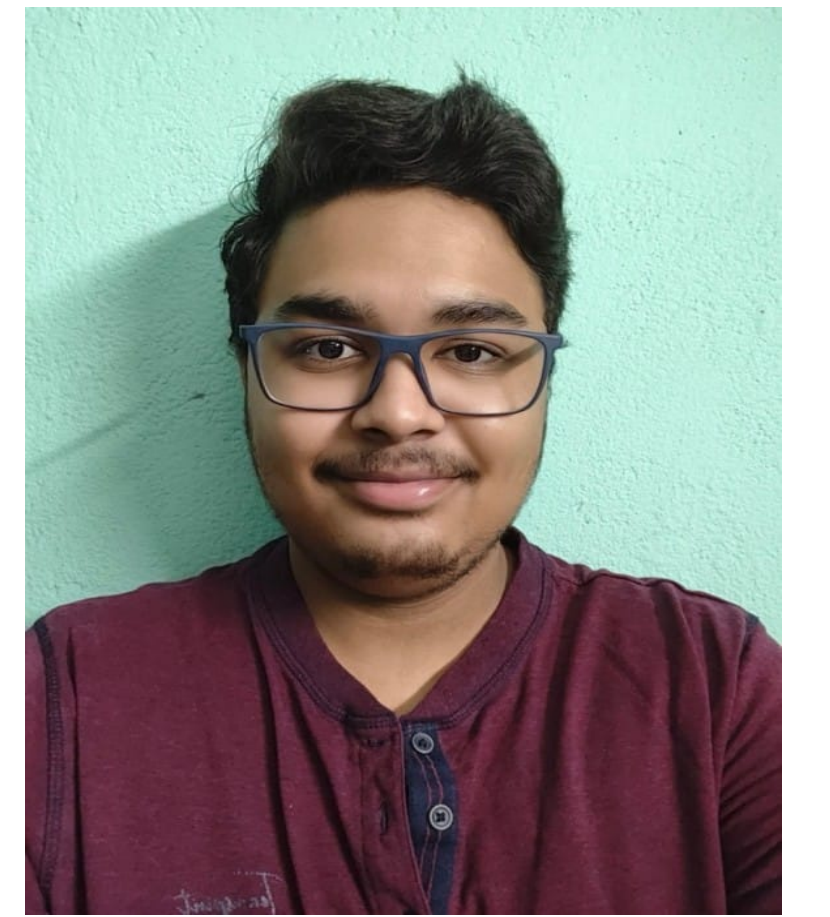




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**KOUSTAV CHATTERJEE**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **69** %

Online Assignments	24.5/25	Proctored Exam	44.07/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

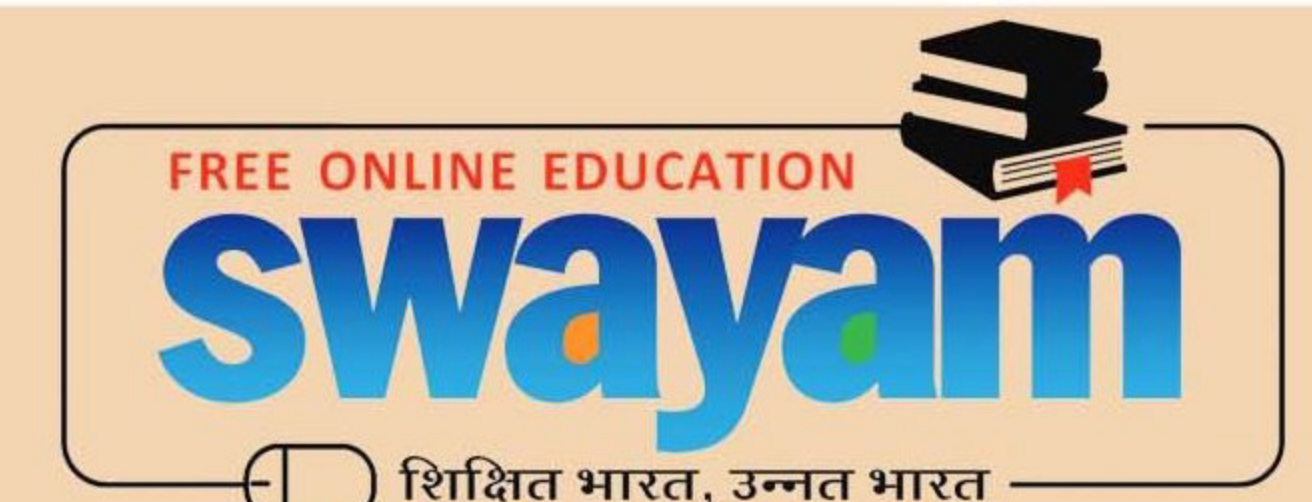
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S535100072

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SABIR MALLICK**

for successfully completing the course

## Introduction to Machine Learning

with a consolidated score of **60** %

Online Assignments	12.92/25	Proctored Exam	46.92/75
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Total number of candidates certified in this course: **3449**

**Jul-Sep 2023**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS87S35950159

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SABIR MALLICK**

for successfully completing the course

**Programming, Data Structures and Algorithms Using Python**



with a consolidated score of **76** %

Online Assignments	23.96/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: **2081**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Sep 2023**

**(8 week course)**

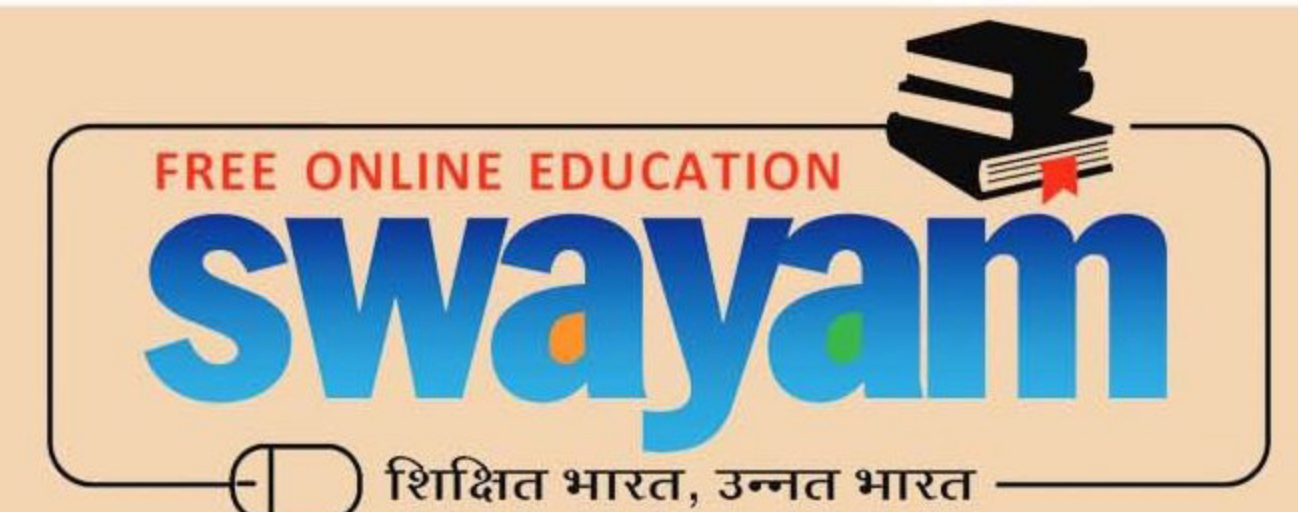
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS95S45950002

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ANANYA BHATTACHARJEE**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **70** %

Online Assignments	19.47/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **25880**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS83S835100118

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHATI MONDAL**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **55** %

Online Assignments	24/25	Proctored Exam	30.93/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S535100099

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MRIGANKO SARKAR**

for successfully completing the course

## Operating System Fundamentals

with a consolidated score of **51** %

Online Assignments	20.97/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **1433**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS123S835100159

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MRITUNJOY PAUL**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **65** %

Online Assignments	25/25	Proctored Exam	39.89/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

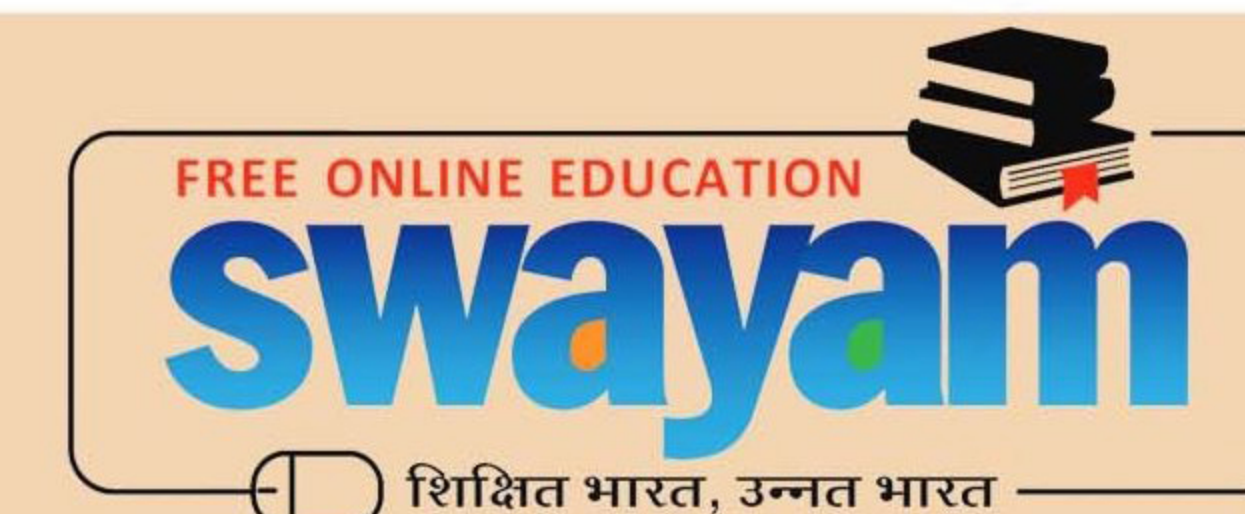
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S635100187

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MUSKAN SINGH**

for successfully completing the course

## Introduction to Machine Learning

with a consolidated score of **54** %

Online Assignments	23.46/25	Proctored Exam	30.32/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **3449**

**Jul-Sep 2023**

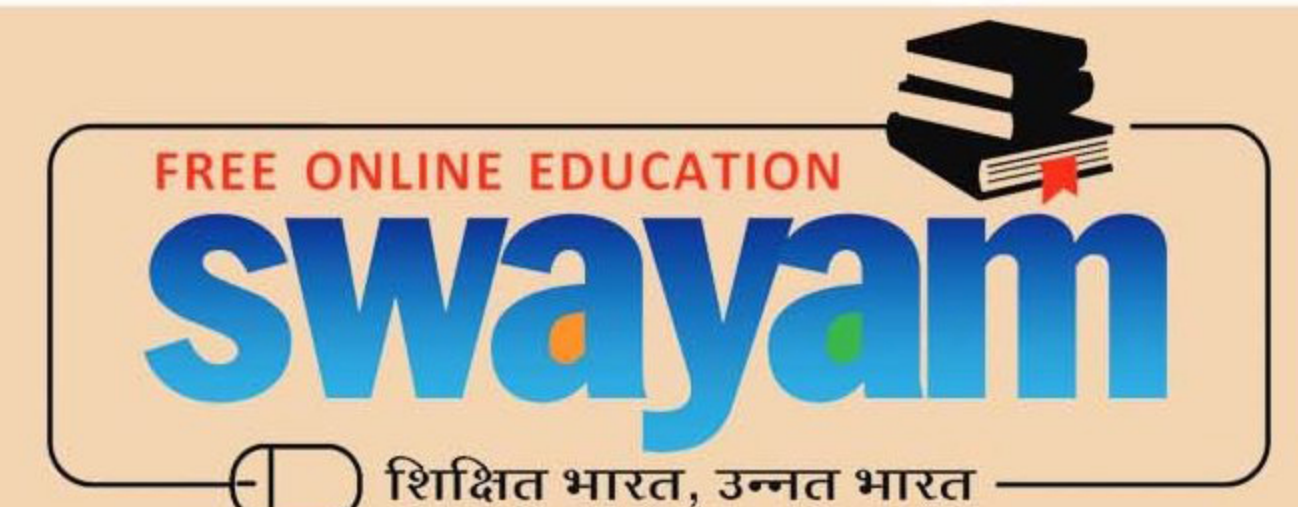
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS87S45950003

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MUSKAN SINGH**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **75** %

Online Assignments	21.19/25	Proctored Exam	54.26/75
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Total number of candidates certified in this course: **16145**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

*Prof. Andrew Thangaraj*

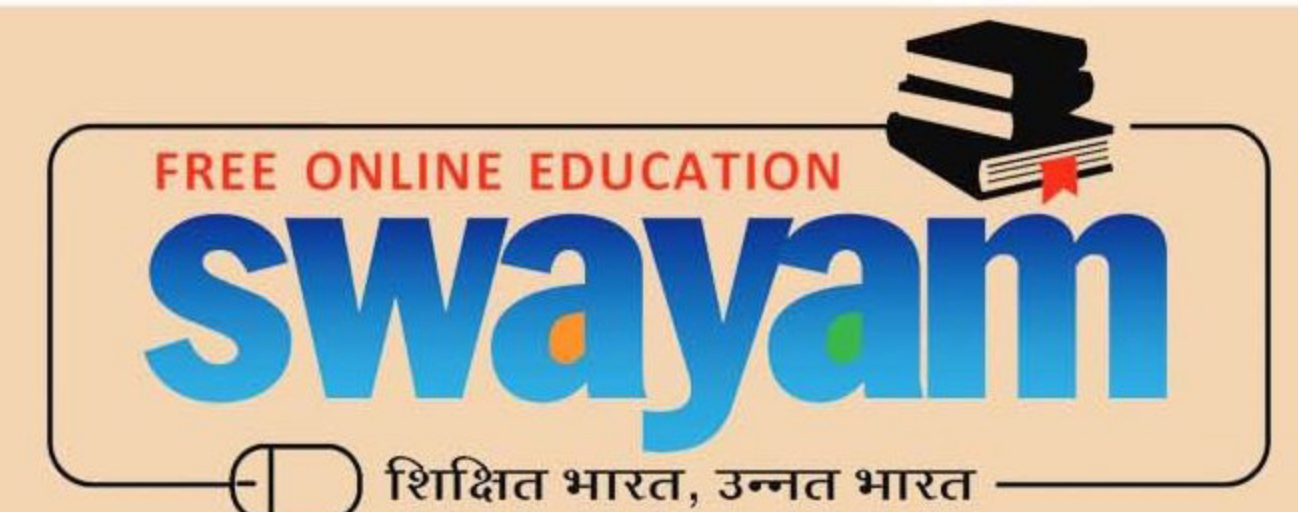
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S638200267

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**NILKAMAL BHUNIA**

for successfully completing the course

## Introduction to Adaptive Signal Processing

with a consolidated score of **58** %

Online Assignments	17.58/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **40**

**Aug-Oct 2023**

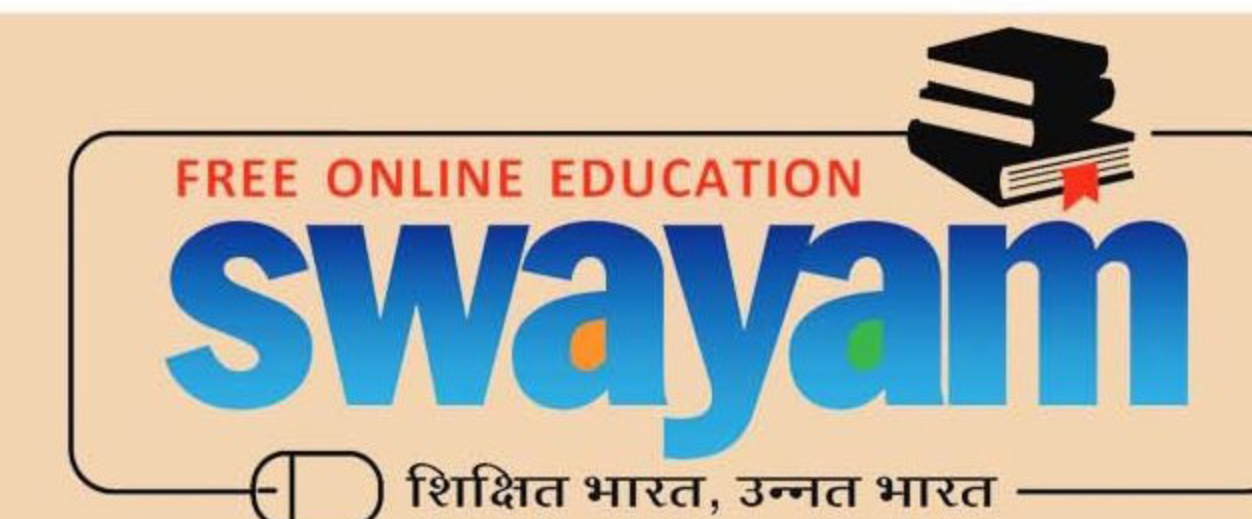
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23EE138S735100076

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SOURAV GARAI**

for successfully completing the course

**Learning Analytics Tools**

with a consolidated score of **67** %

Online Assignments	24.75/25	Proctored Exam	42.26/75
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Total number of candidates certified in this course: **835**

**Jul-Oct 2023**

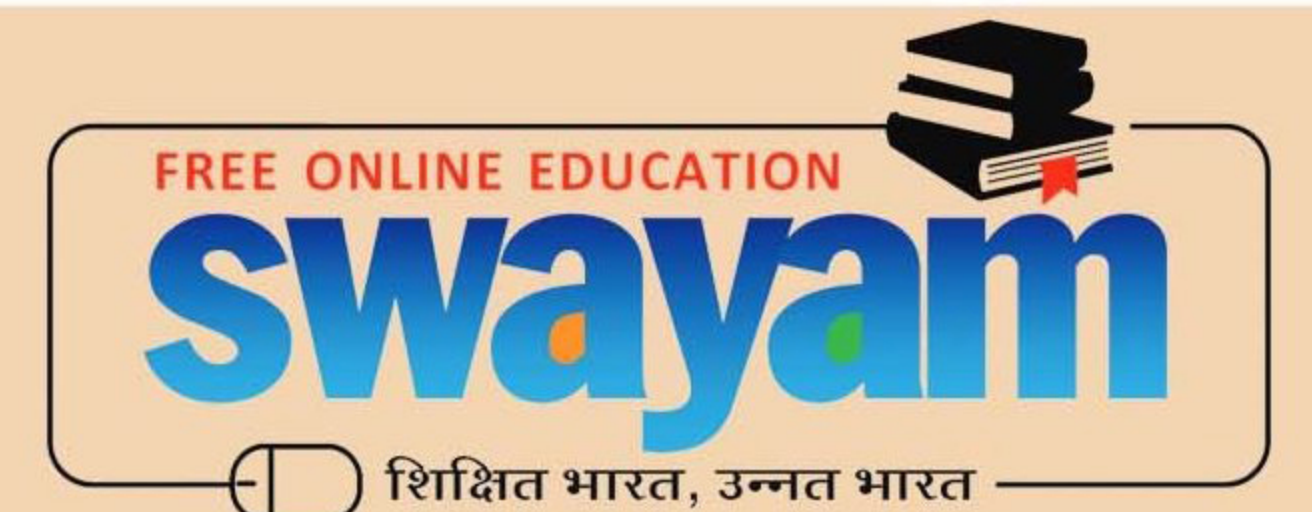
**(12 week course)**

**Prof. Sridhar Iyer**

Head CDEEP & NPTEL Coordinator  
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL23GE42S638101012

To verify the certificate



No. of credits recommended: 3 or 4

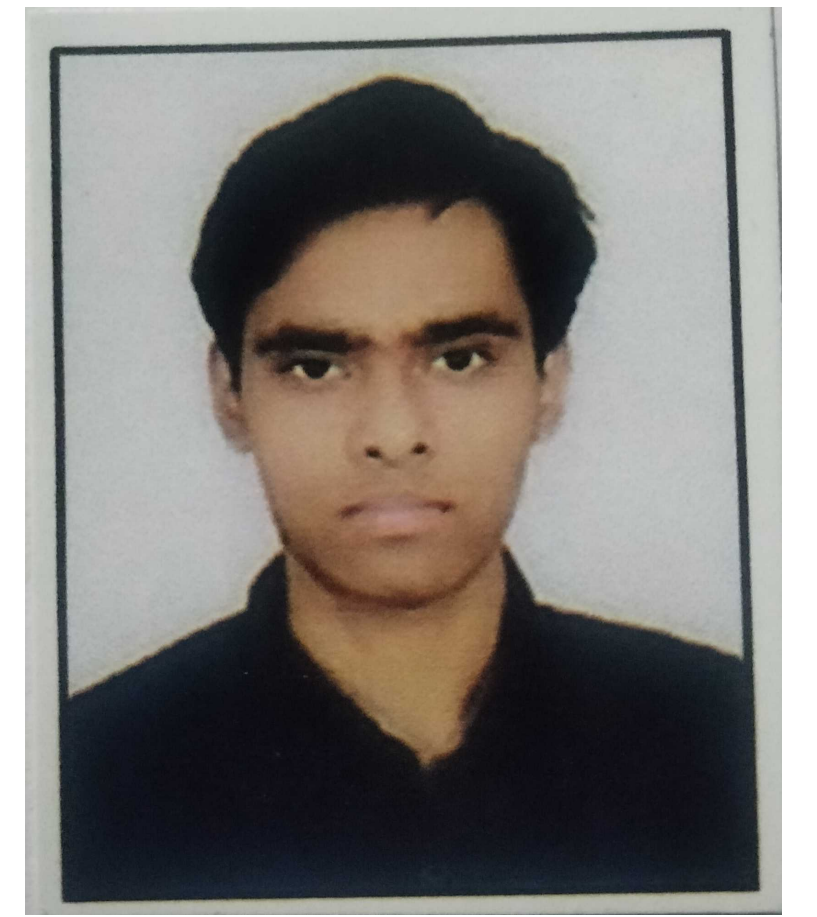




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RATNADEEP PAUL**

for successfully completing the course

## C Programming and Assembly Language

with a consolidated score of **60** %

Online Assignments	14.17/25	Proctored Exam	46.01/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **304**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Aug-Sep 2023**

**(4 week course)**

*Prof. Andrew Thangaraj*

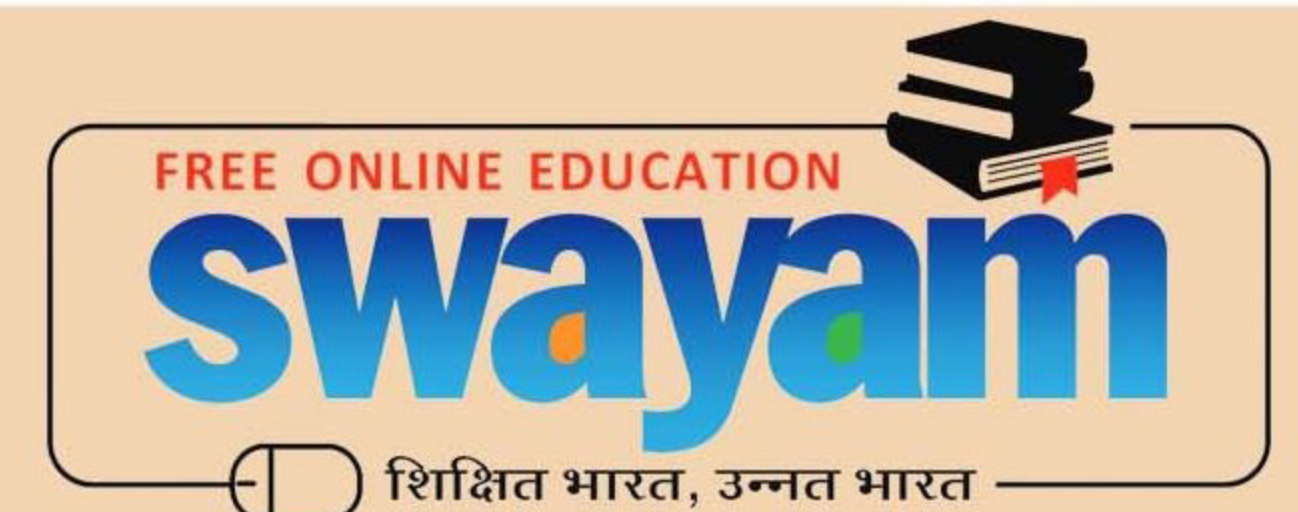
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS93S535100082

To verify the certificate



No. of credits recommended: 1 or 2





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MADHAV RAJ**

for successfully completing the course

## Introduction to Machine Learning

with a consolidated score of **60** %

Online Assignments	21.42/25	Proctored Exam	38.3/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **3449**

**Jul-Sep 2023**

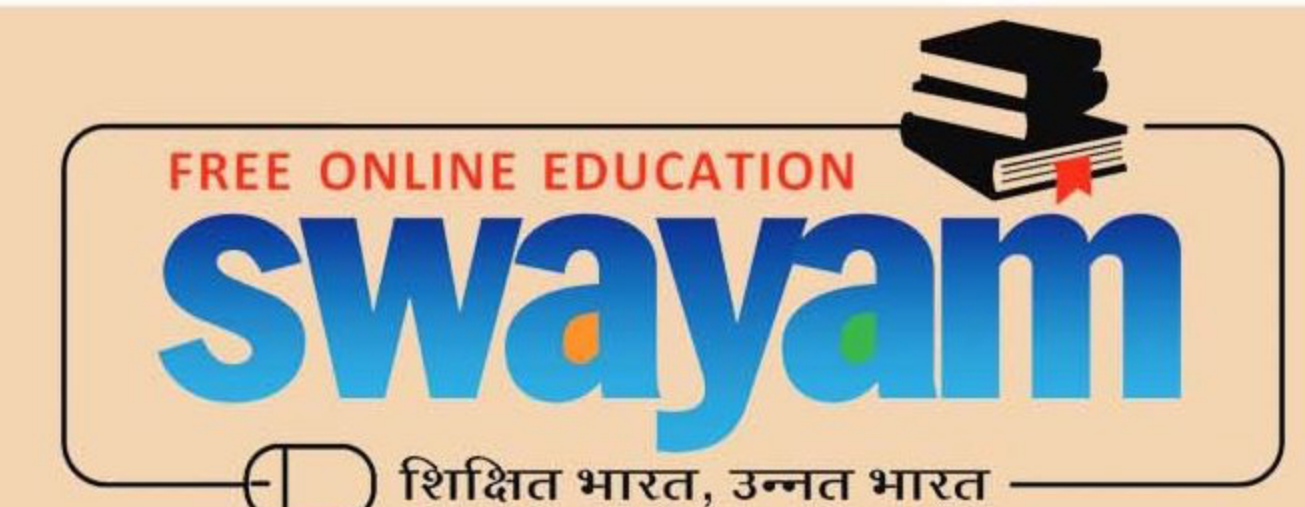
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS87S45950023

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MADHAV RAJ**

for successfully completing the course

## The Joy of Computing Using Python

with a consolidated score of **63** %

Online Assignments	24.25/25	Proctored Exam	38.3/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

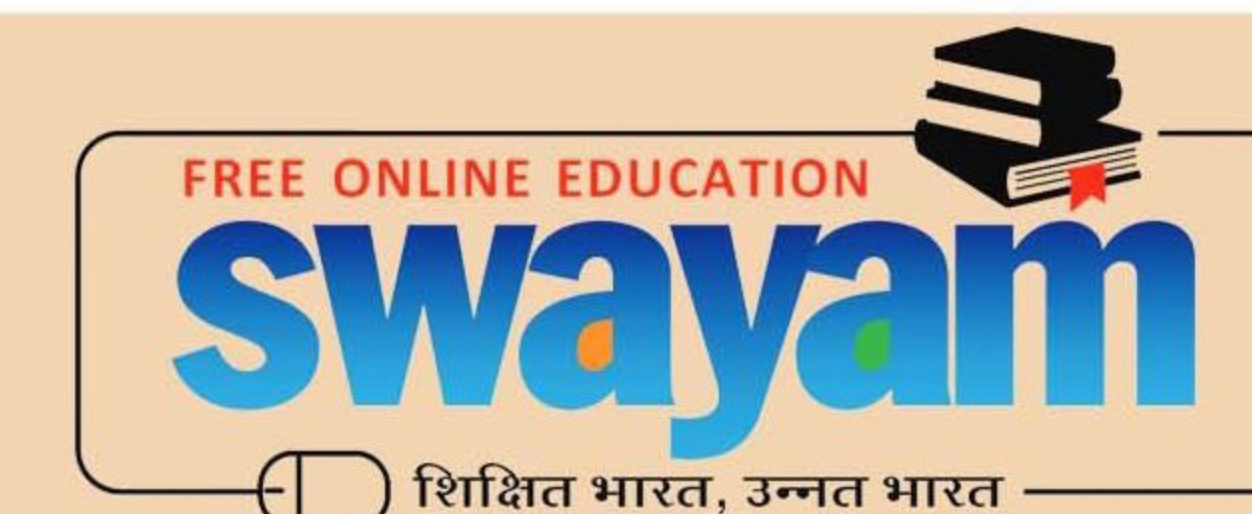
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S635100193

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RAKTIM BANERJEE**

for successfully completing the course

**Cyber Security and Privacy**

with a consolidated score of **60** %

Online Assignments	24.35/25	Proctored Exam	35.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **6011**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

*Prof. Andrew Thangaraj*

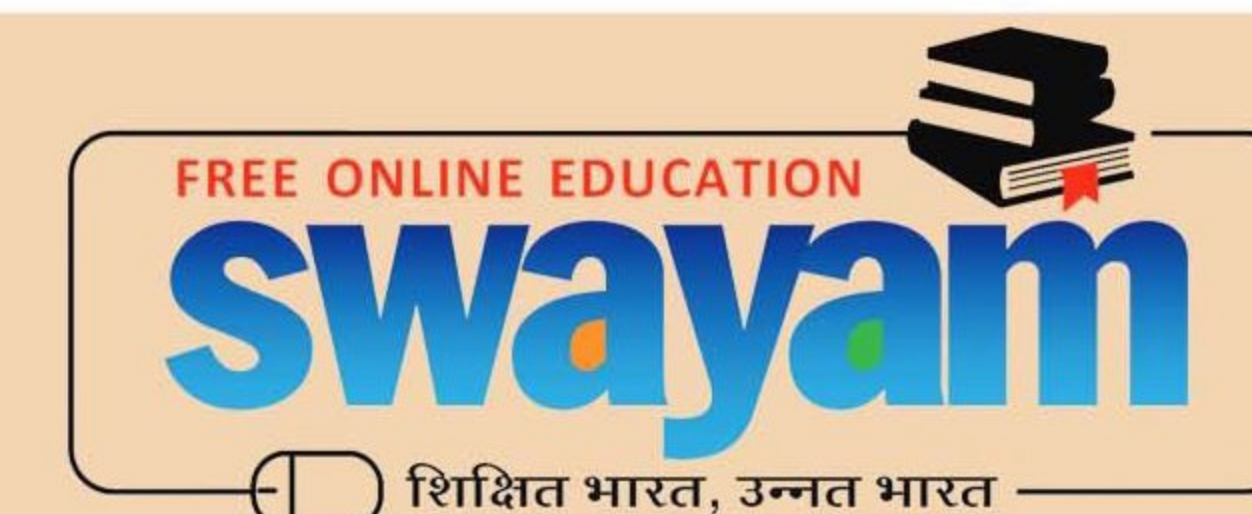
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS127S635100165

To verify the certificate



No. of credits recommended: 3 or 4

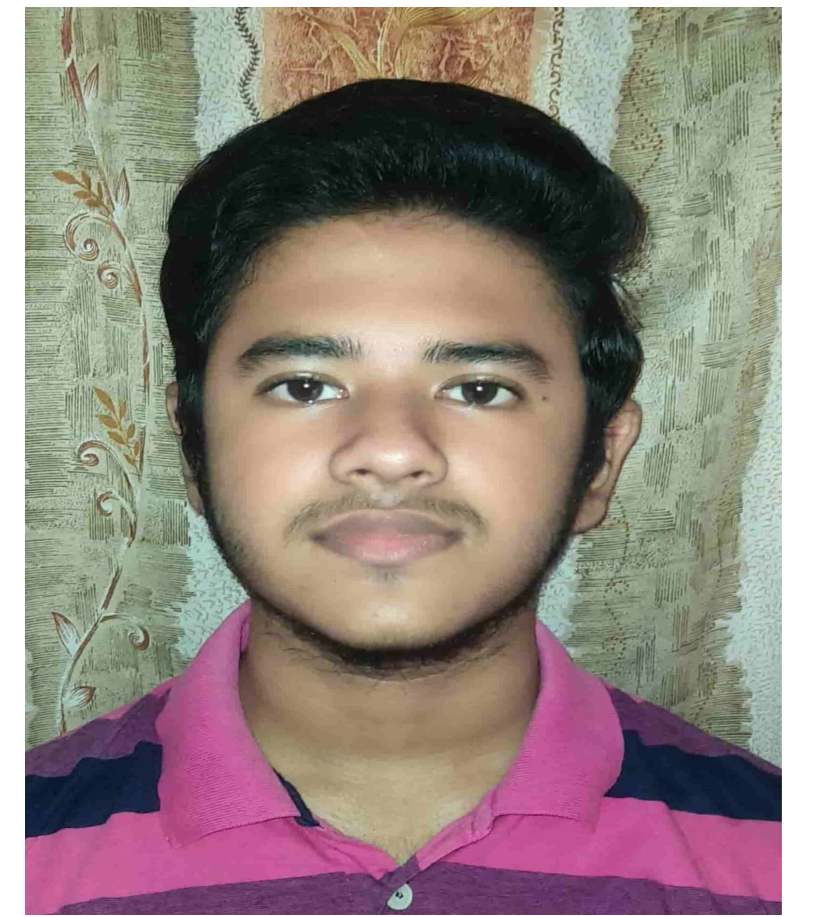




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**ARCHISMAN CHATTERJEE**  
for successfully completing the course

**Programming in Java**



with a consolidated score of **75** %

Online Assignments	24.88/25	Proctored Exam	50/75
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Total number of candidates certified in this course: **11713**

**Jul-Oct 2023**

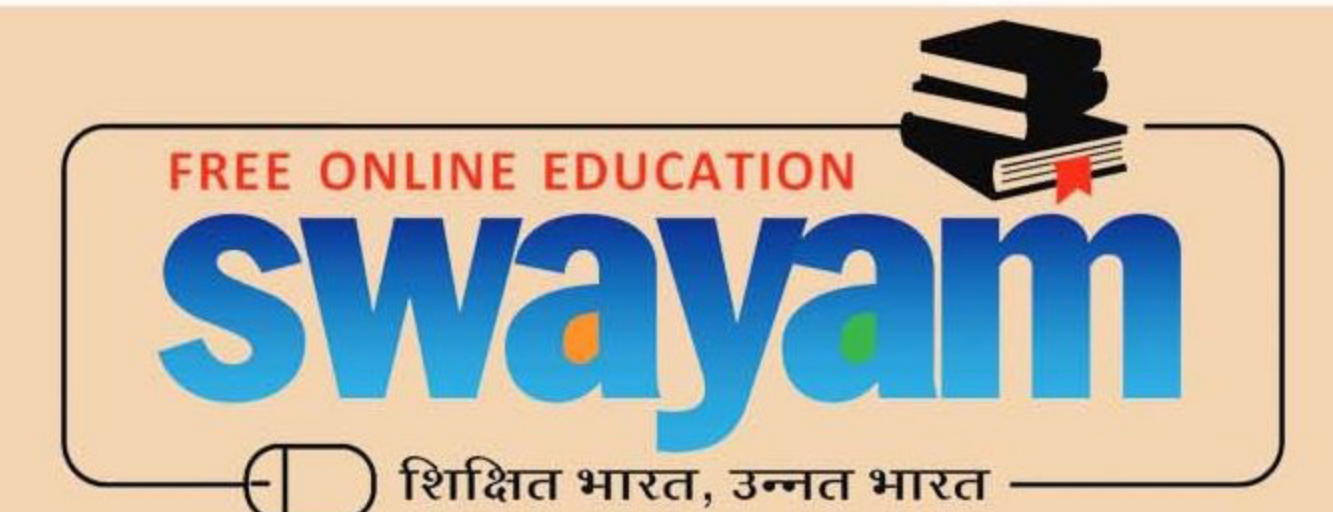
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS74S735100049

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RISHAV KUMAR**

for successfully completing the course

**Programming in Java**

with a consolidated score of **65** %

Online Assignments	22.72/25	Proctored Exam	42.35/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course:11713

**Jul-Oct 2023**

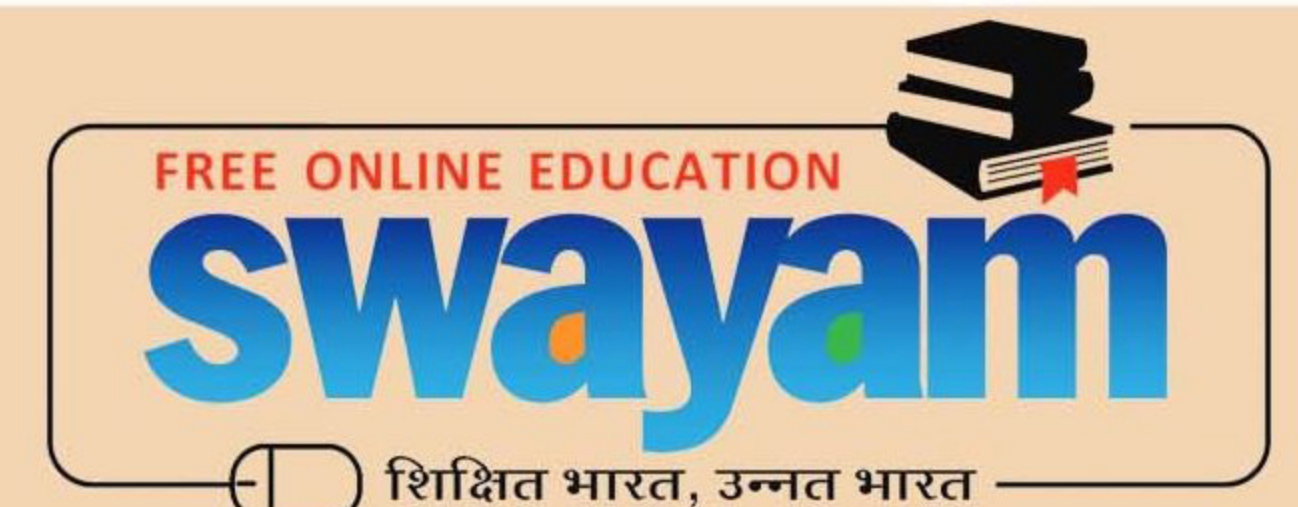
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS74S735100061

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ROHIT KUMAR**

for successfully completing the course

**Data Base Management System**

with a consolidated score of **54** %

Online Assignments	17.08/25	Proctored Exam	36.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **6795**

**Jul-Sep 2023**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS79S35950142

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

**ROHIT KUMAR**

for successfully completing the course

**Data Science for Engineers**

with a consolidated score of **47** %

Online Assignments	16.08/25	Proctored Exam	31.12/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **3716**

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Sep 2023**

**(8 week course)**

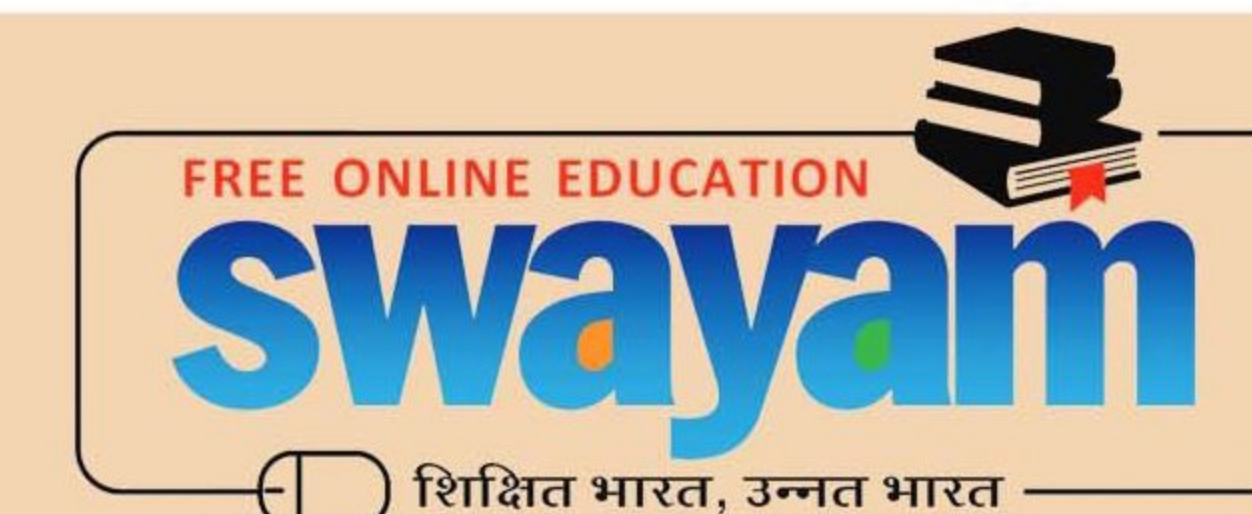
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS97S45950005

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

**ROHIT KUMAR**

for successfully completing the course

**Design of Electric Motors**

with a consolidated score of **44** %

Online Assignments	11.19/25	Proctored Exam	33/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **141**

**Prof. G. L. Sivakumar Babu**

Chairman, Center for Continuing Education  
IISc Bangalore

**Jul-Oct 2023**

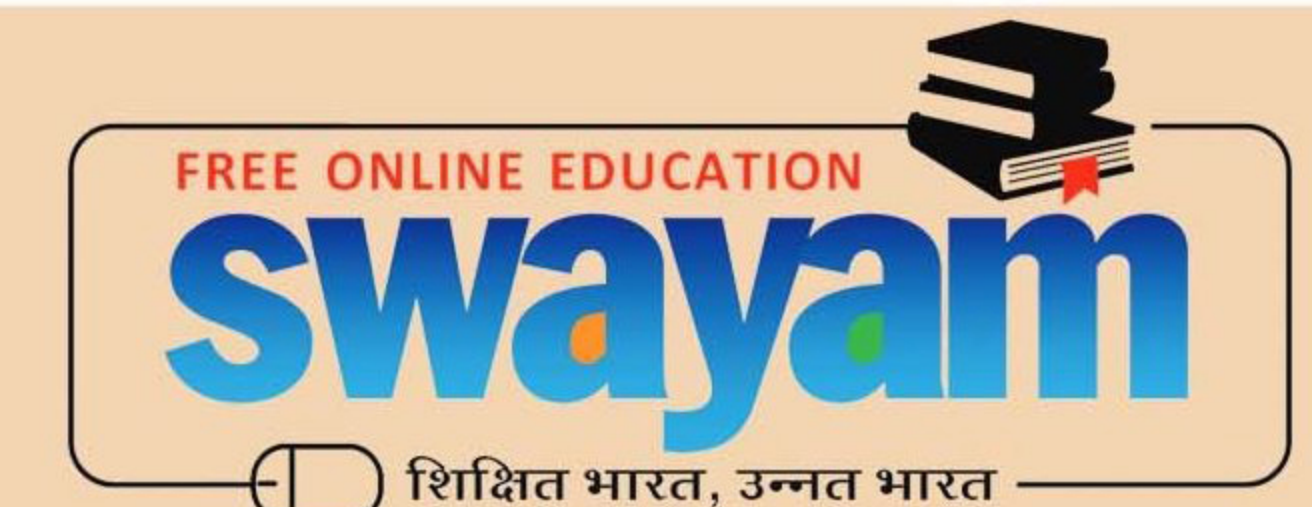
**(12 week course)**

**Prof. L. Umanand**

NPTEL Coordinator  
IISc Bangalore



Indian Institute of Science Bangalore



Roll No: NPTEL23EE140S835100175

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ROHAN KUMAR THAKUR**

for successfully completing the course

**Data Structure and Algorithms Using Java**

with a consolidated score of **75** %

Online Assignments	24.38/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **3896**

**Jul-Oct 2023**

**(12 week course)**

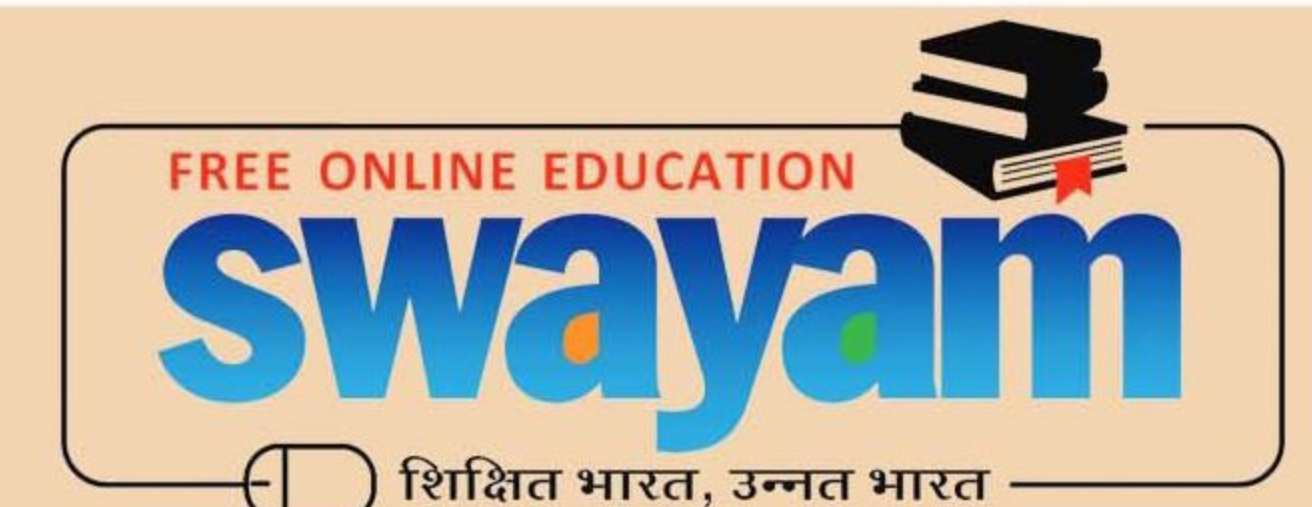


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS85S835100129

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VAGYASHREE ROY**

for successfully completing the course

**Programming in Java**



with a consolidated score of **79** %

Online Assignments	25/25	Proctored Exam	54.08/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course:11713

**Jul-Oct 2023**

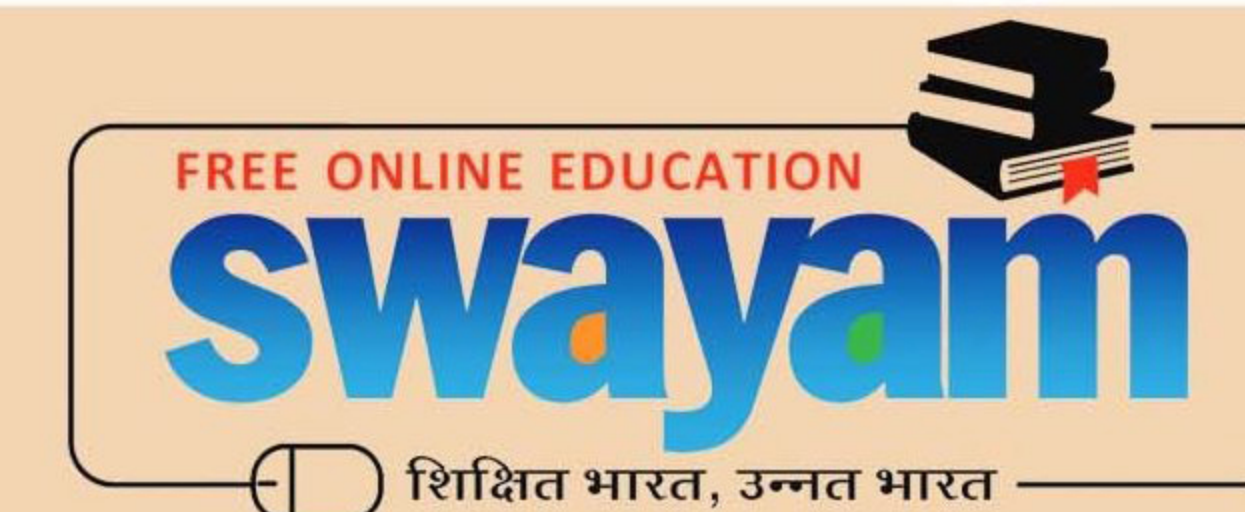
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS74S735100073

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PINAKI RANJAN SAHU**

for successfully completing the course

## The Joy of Computing Using Python

with a consolidated score of **65** %

Online Assignments	25/25	Proctored Exam	39.89/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

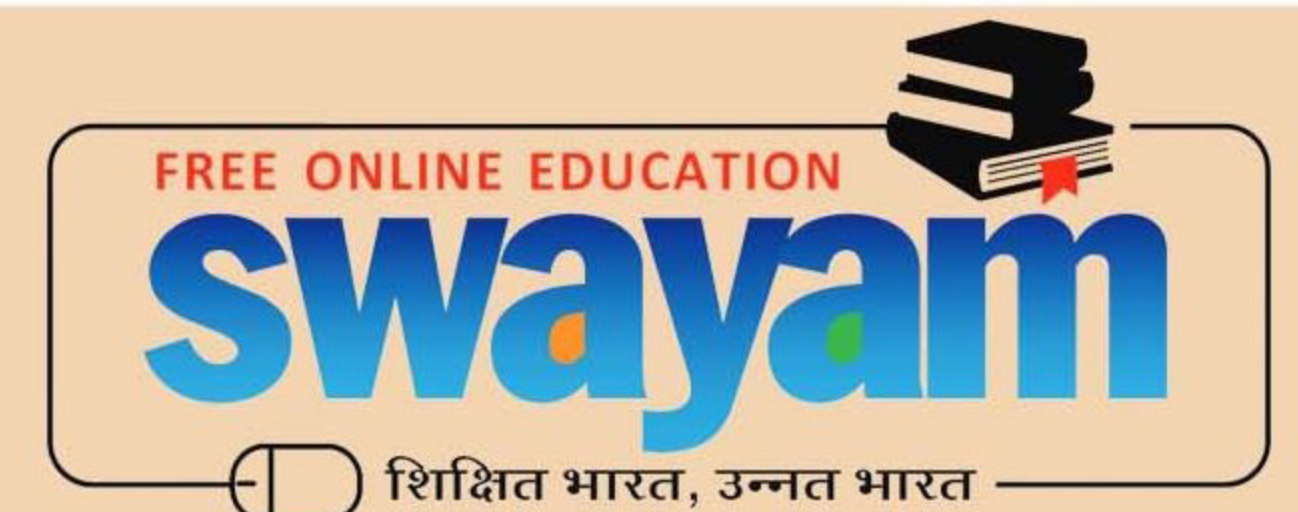
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S635100205

To verify the certificate



No. of credits recommended: 3 or 4

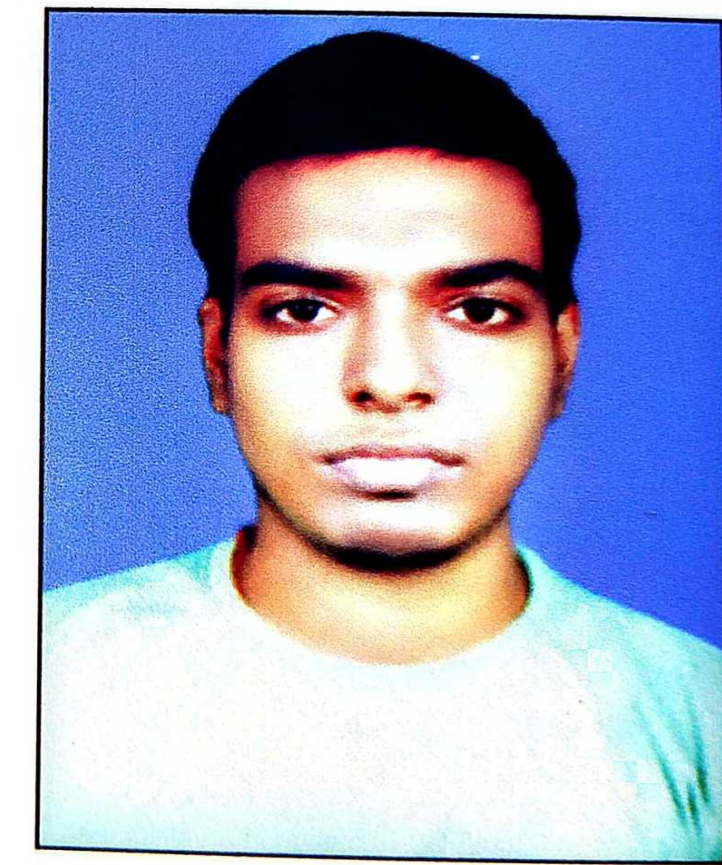




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SAIKAT SAHA**

for successfully completing the course

**Programming in Java**

with a consolidated score of **72** %

Online Assignments	24.47/25	Proctored Exam	47.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **11713**

**Jul-Oct 2023**

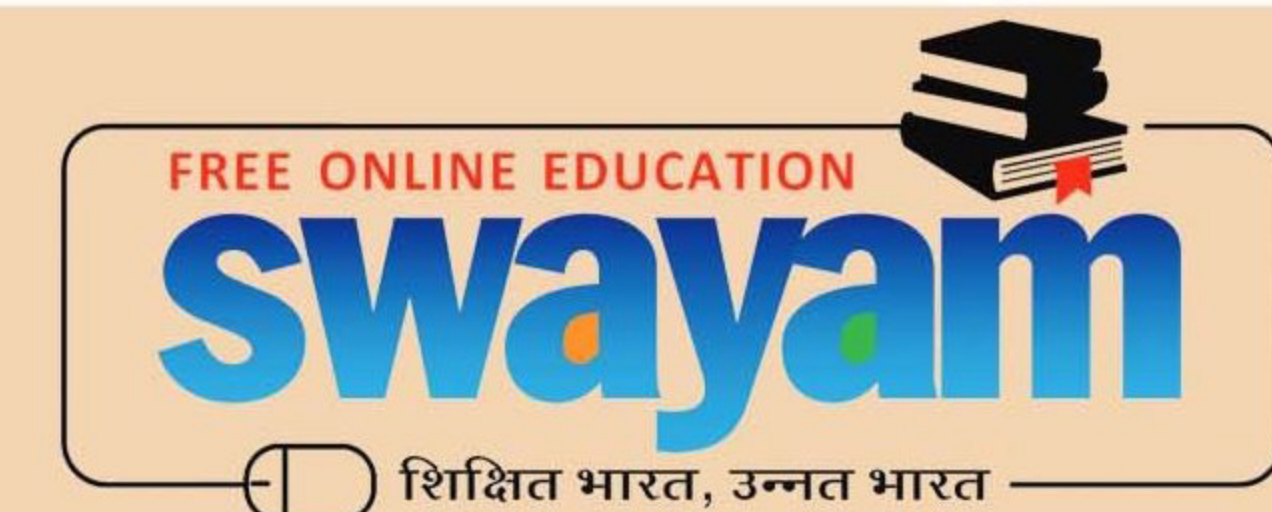
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS74S835100102

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SAMOSRI PAUL**

for successfully completing the course

**Programming in Java**

with a consolidated score of **62** %

Online Assignments	14.85/25	Proctored Exam	47.24/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **11713**

**Jul-Oct 2023**

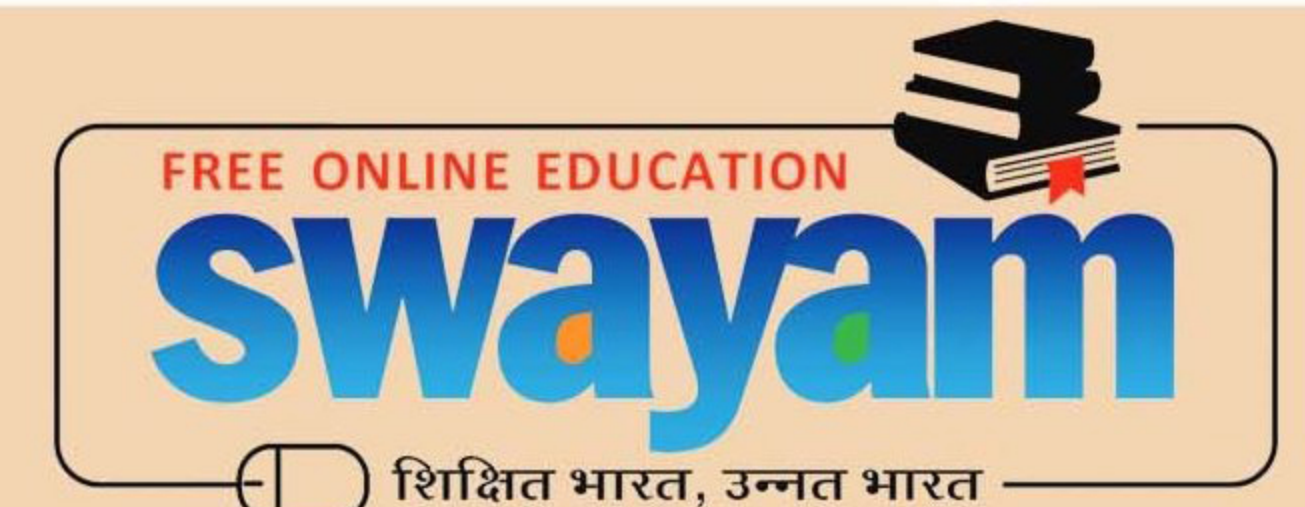
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS74S835100116

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SATAVISA MAITRA**

for successfully completing the course

**Introduction to Machine Learning**

with a consolidated score of **55** %

Online Assignments	23.54/25	Proctored Exam	31.91/75
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Total number of candidates certified in this course: **3449**

**Jul-Sep 2023**

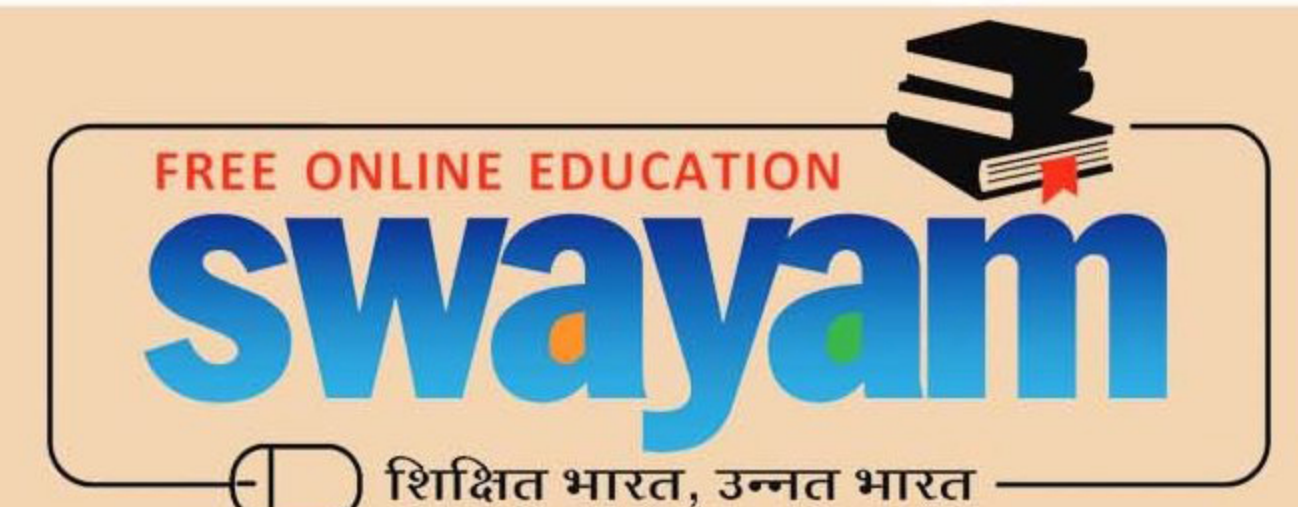
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS87S45950043

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

**SATAVISA MOITRA**

for successfully completing the course

## The Joy of Computing Using Python

with a consolidated score of **55** %

Online Assignments	24.94/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

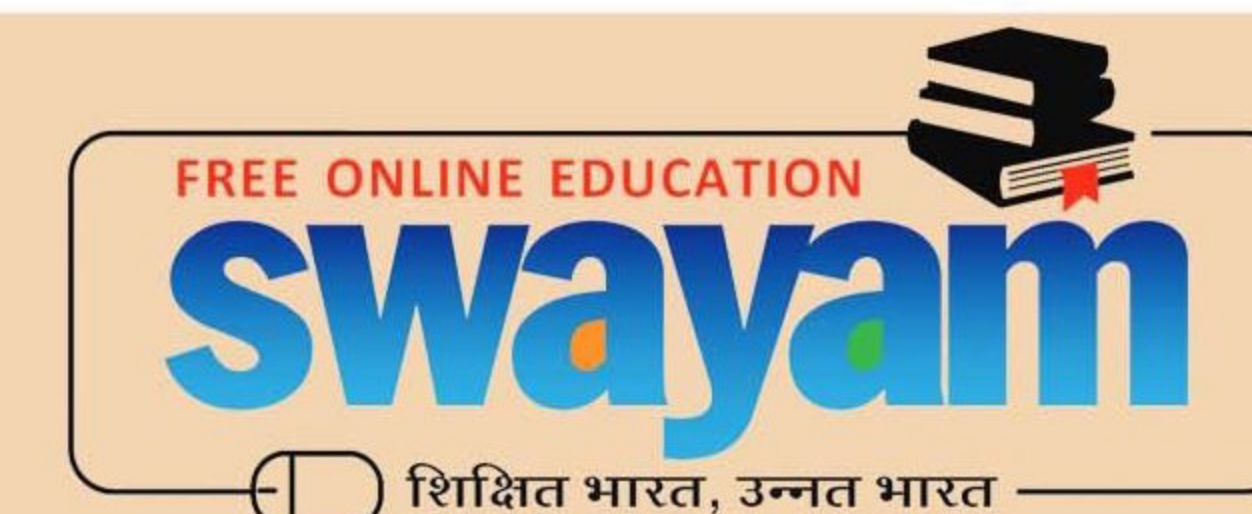
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S635100211

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**KUMAR SAURAV**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **55** %

Online Assignments	24.94/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **16145**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

*Prof. Andrew Thangaraj*

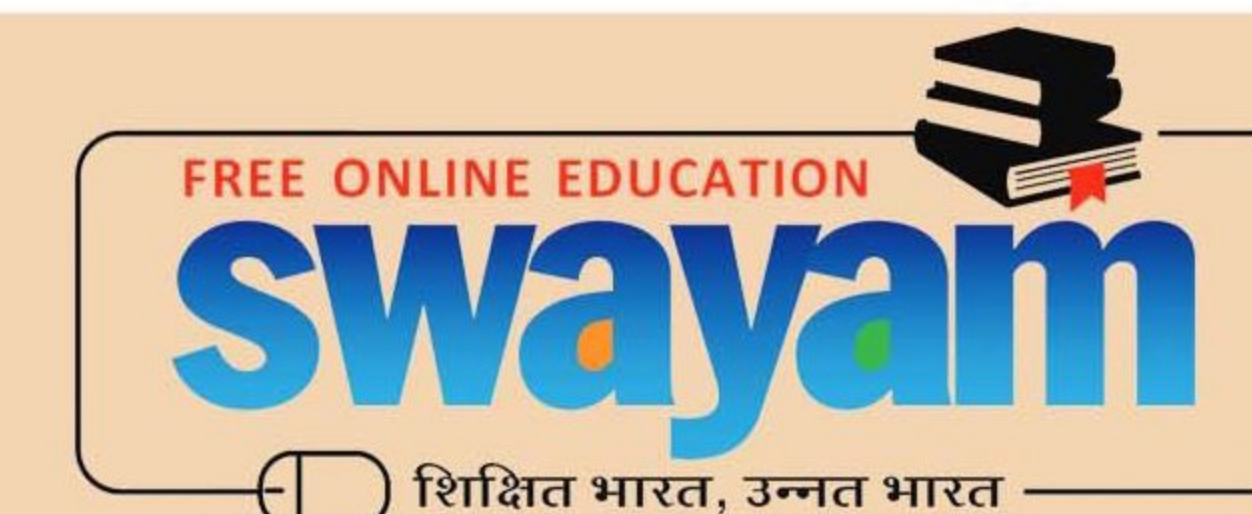
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S542400180

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHIBAJIT CHATTERJEE**

for successfully completing the course

**Computer Architecture**

with a consolidated score of **54** %

Online Assignments	16.88/25	Proctored Exam	36.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2241**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

*Prof. Andrew Thangaraj*

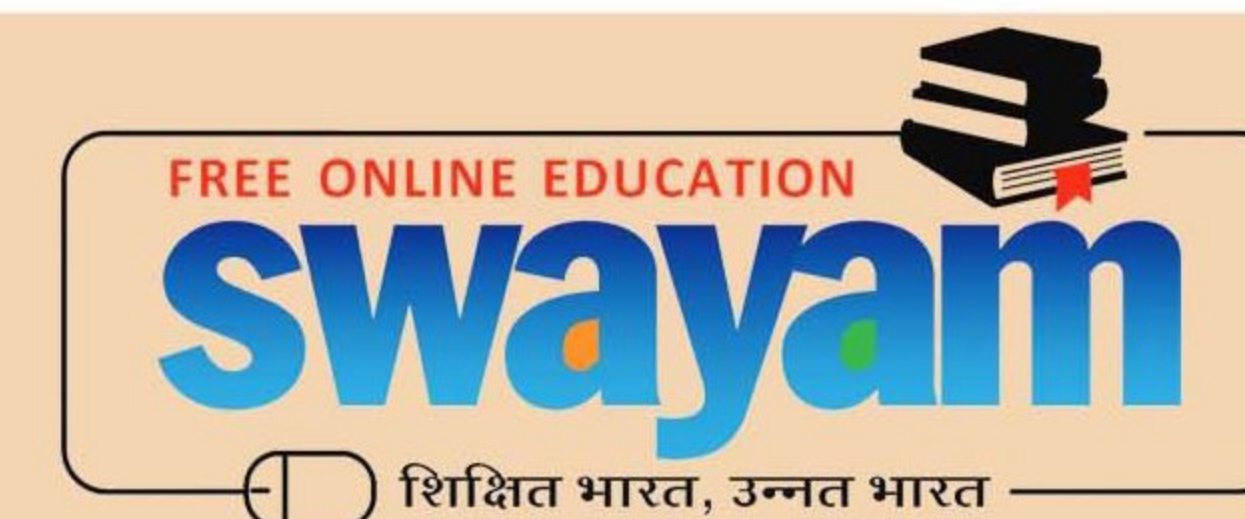
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS67S835100180

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHREYA PARAMANIK**

for successfully completing the course

**Cloud Computing**

with a consolidated score of **61** %

Online Assignments	25/25	Proctored Exam	35.94/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **16686**

**Jul-Oct 2023**

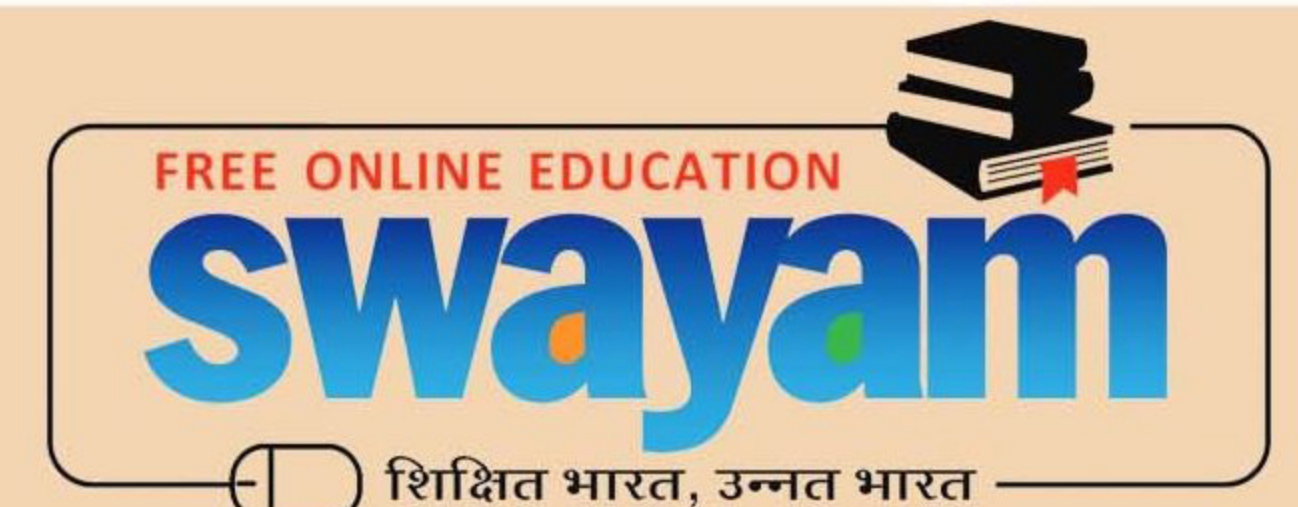
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS89S535100115

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHREYA PARAMANIK**

for successfully completing the course

**Learning Analytics Tools**

with a consolidated score of **61** %

Online Assignments	25/25	Proctored Exam	36.15/75
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Total number of candidates certified in this course: **835**

**Jul-Oct 2023**

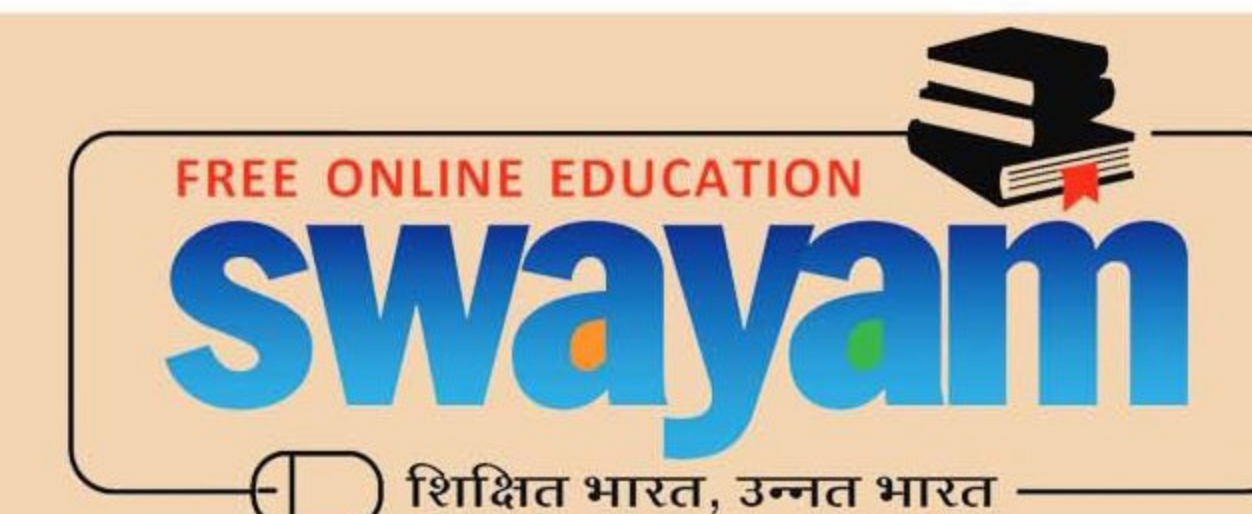
**(12 week course)**

**Prof. Sridhar Iyer**

Head CDEEP & NPTEL Coordinator  
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL23GE42S635100243

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHRUTI KUMARI**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **51** %

Online Assignments	16.19/25	Proctored Exam	35.25/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S638200251

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHRUTI SHREYA**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **87** %

Online Assignments	21.63/25	Proctored Exam	65.42/75
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Total number of candidates certified in this course: **16145**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

*Prof. Andrew Thangaraj*

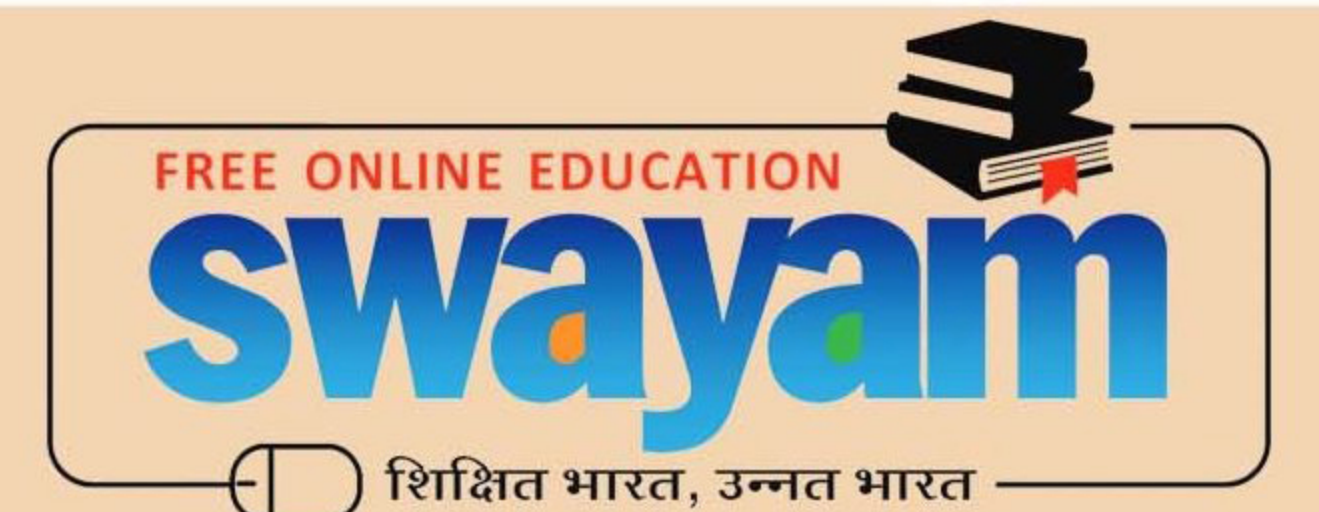
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S634400182

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHWETA KUMARI**

for successfully completing the course

**Programming in Java**

with a consolidated score of **65** %

Online Assignments	24.35/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course:11713

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS74S834400135

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SUBHADIP SINHA**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **55** %

Online Assignments	24.94/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

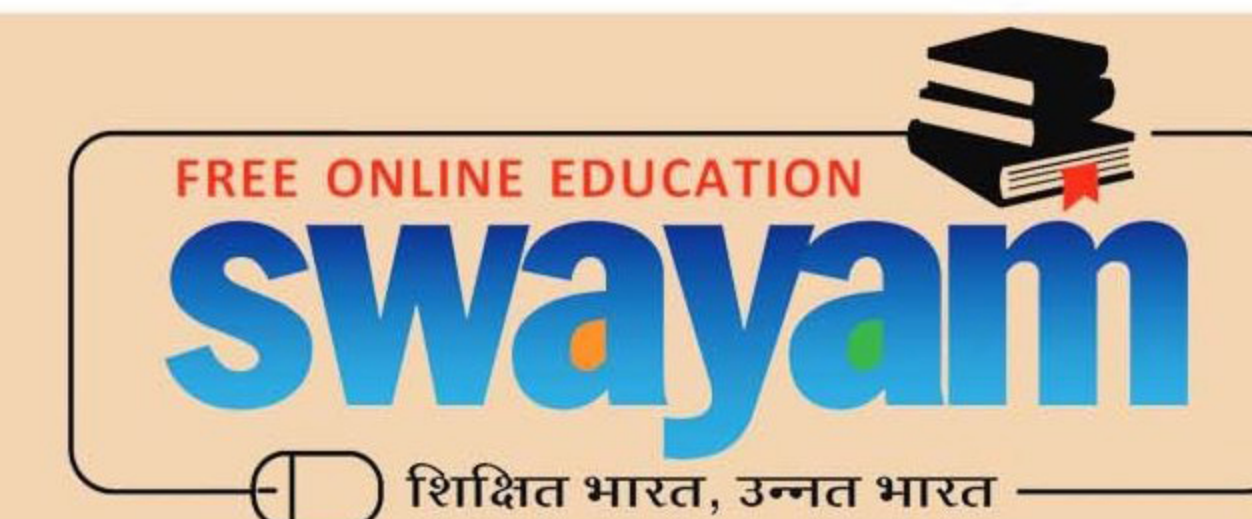
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S635100223

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SUDIP GHOSH**

for successfully completing the course

**Applied Electromagnetics for Engineers**

with a consolidated score of **61** %

Online Assignments	25/25	Proctored Exam	36/75
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Total number of candidates certified in this course: **30**

**Prof. B. V. Ratish Kumar**

Chairman, Centre for Continuing Education  
IIT Kanpur

**Jul-Oct 2023**

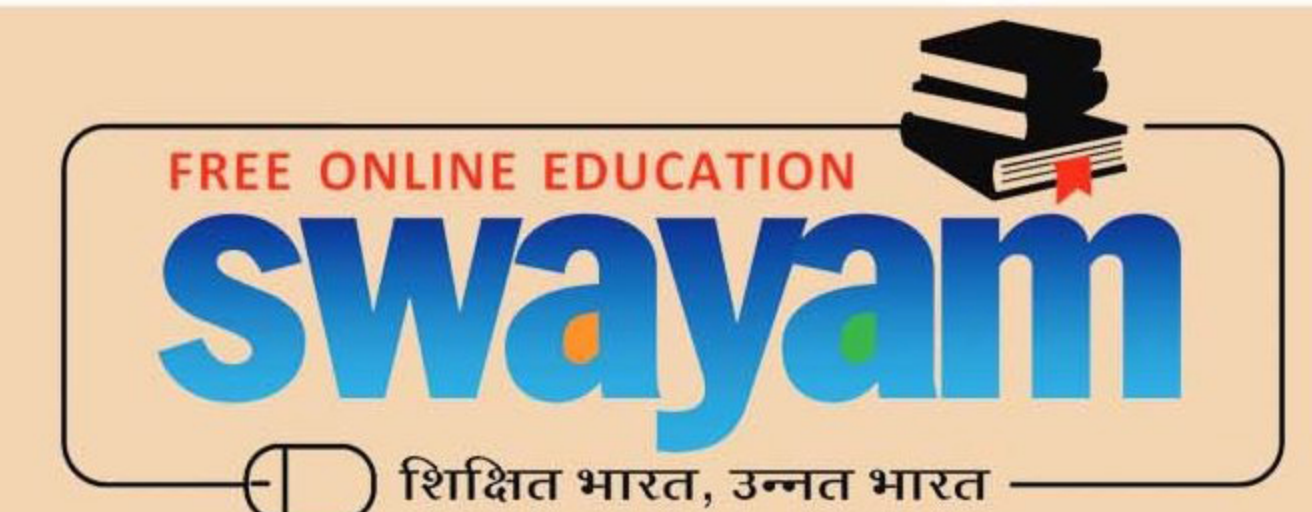
**(12 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23EE96S835100119

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SOUMILI DAS**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **64** %

Online Assignments	24.06/25	Proctored Exam	39.89/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

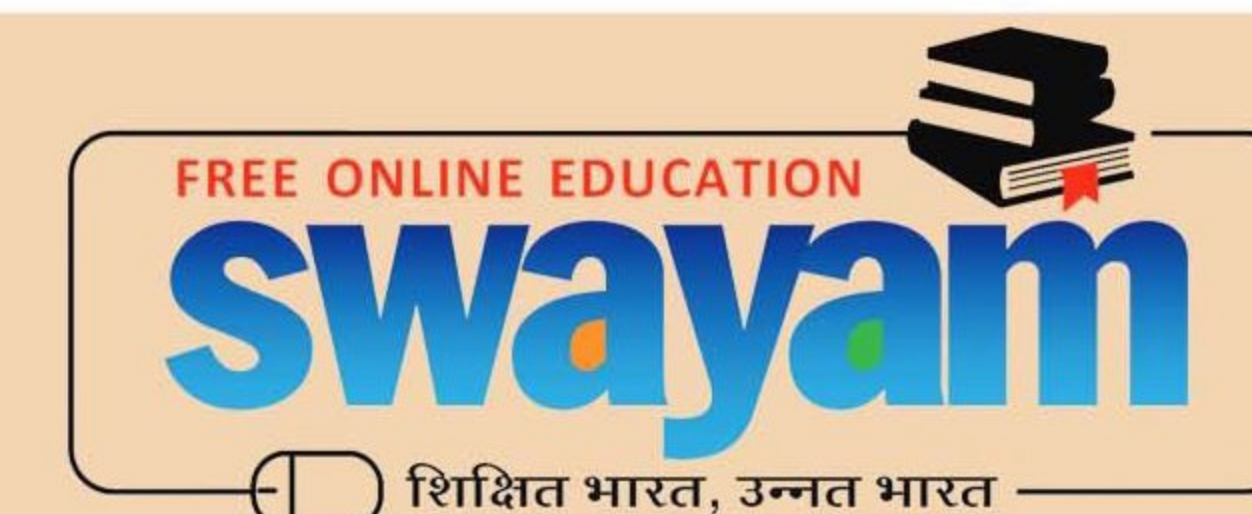
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S635100235

To verify the certificate



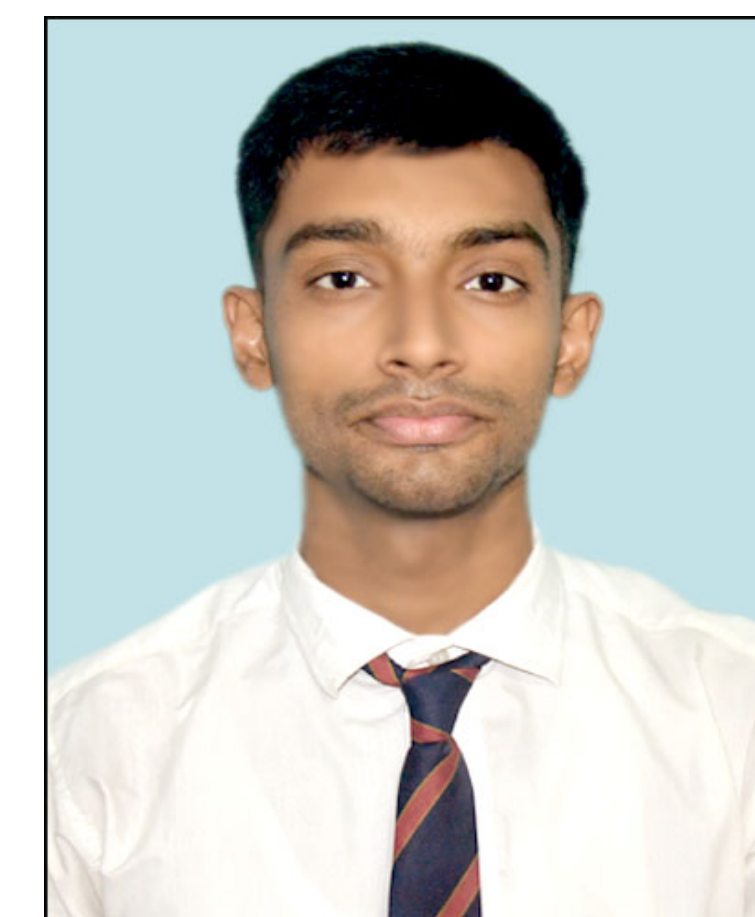
No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**SOUMYADEEP CHAKRABORTY**  
for successfully completing the course

**Python for Data Science**

with a consolidated score of **53** %

Online Assignments	20/25	Proctored Exam	32.72/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **7596**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Aug 2023**

**(4 week course)**

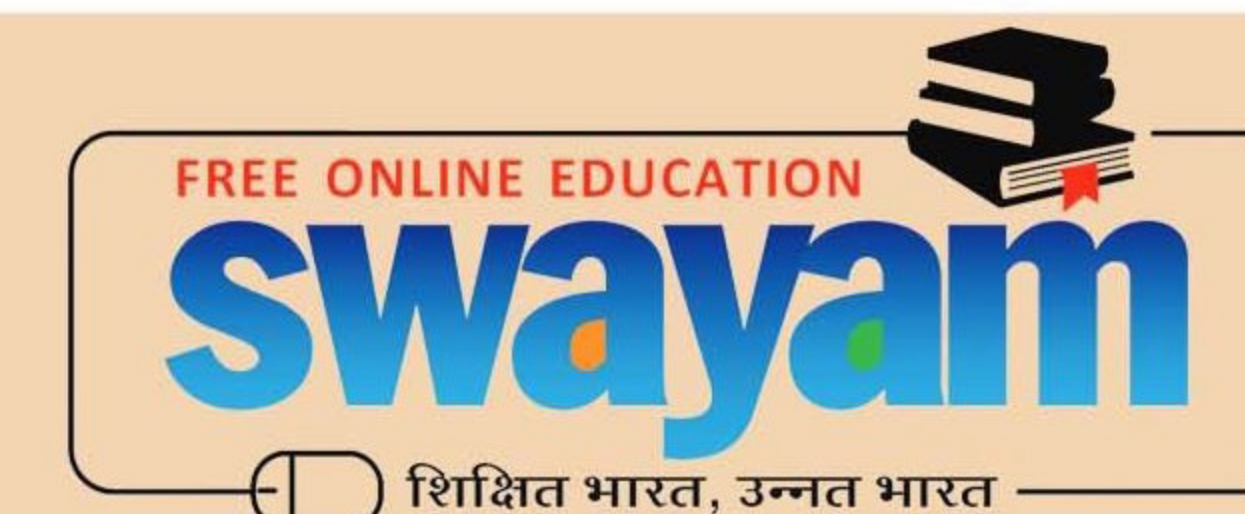
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS99S45950024

To verify the certificate



No. of credits recommended: 1 or 2





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SOUMYADEEP GANGULY**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **54** %

Online Assignments	14.13/25	Proctored Exam	39.75/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S635100227

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SUPRABHAT GHOSH**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **52** %

Online Assignments	10.5/25	Proctored Exam	41.25/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S635100272

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**TANIYA CHAKRABORTY**

for successfully completing the course

## Fundamental Concepts in Sociolinguistics

with a consolidated score of **72** %

Online Assignments	21.25/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **29**

*Devendra Jaliha*

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

*Andrew Thangaraj*

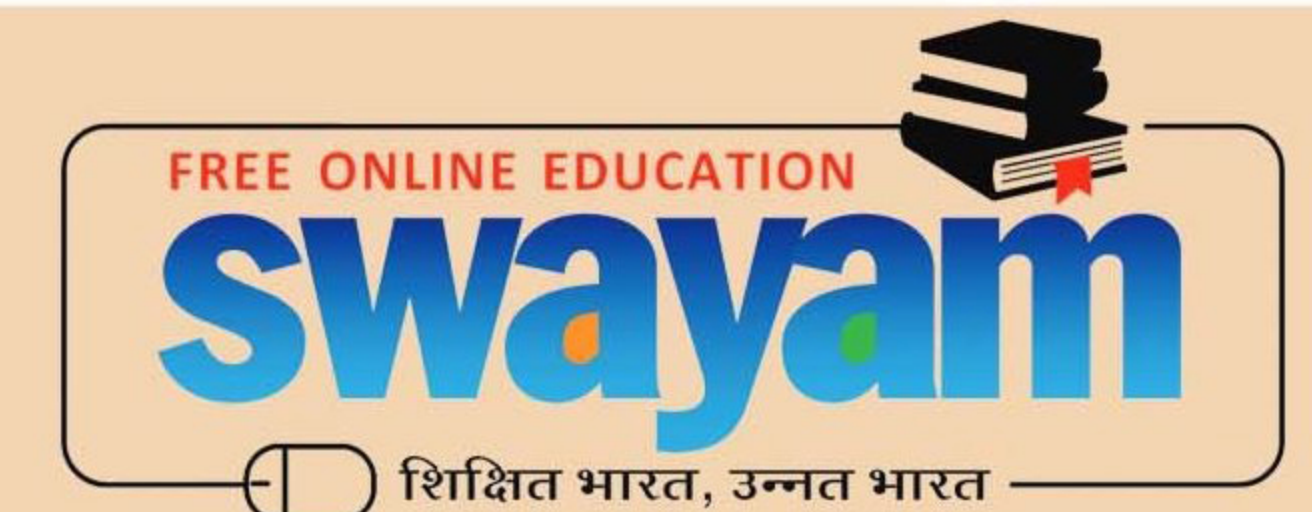
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23HS112S535100134

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VARAD SANJAY PAWAR**

for successfully completing the course

**Data Structure and Algorithms Using Java**

with a consolidated score of **80** %

Online Assignments	23.06/25	Proctored Exam	56.5/75
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Total number of candidates certified in this course: **3896**

**Jul-Oct 2023**

**(12 week course)**

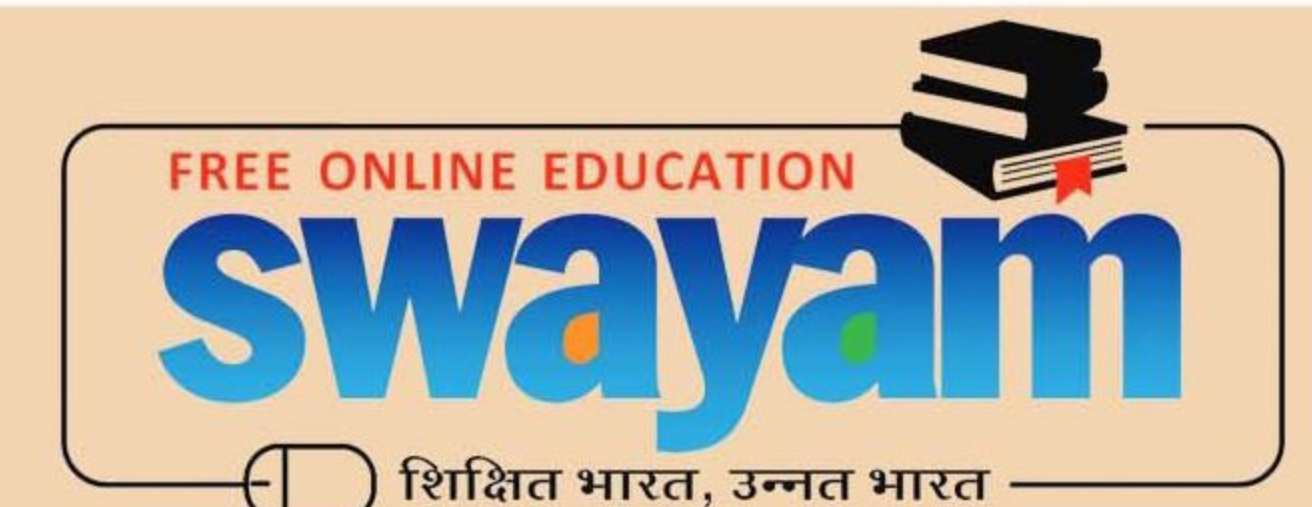


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS85S835100171

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VARAD SANJAY PAWAR**

for successfully completing the course

**Introduction to Machine Learning**

with a consolidated score of **81** %

Online Assignments	21.83/25	Proctored Exam	59.04/75
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Total number of candidates certified in this course: **3449**

**Jul-Sep 2023**

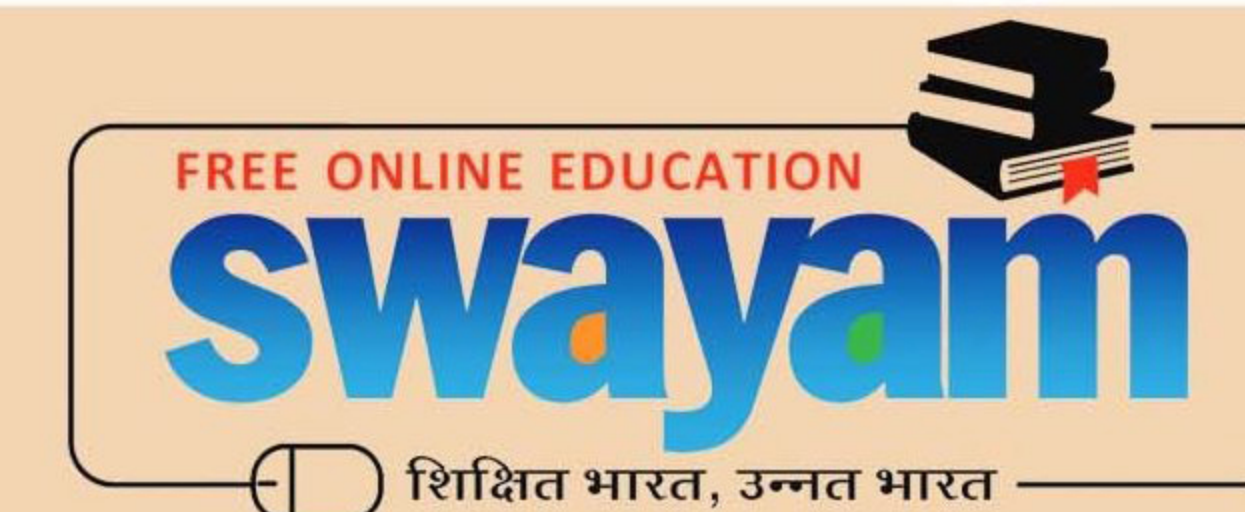
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS87S45950083

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VADDADI HEMA**

for successfully completing the course

## The Joy of Computing Using Python

with a consolidated score of **60** %

Online Assignments	22.85/25	Proctored Exam	36.71/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

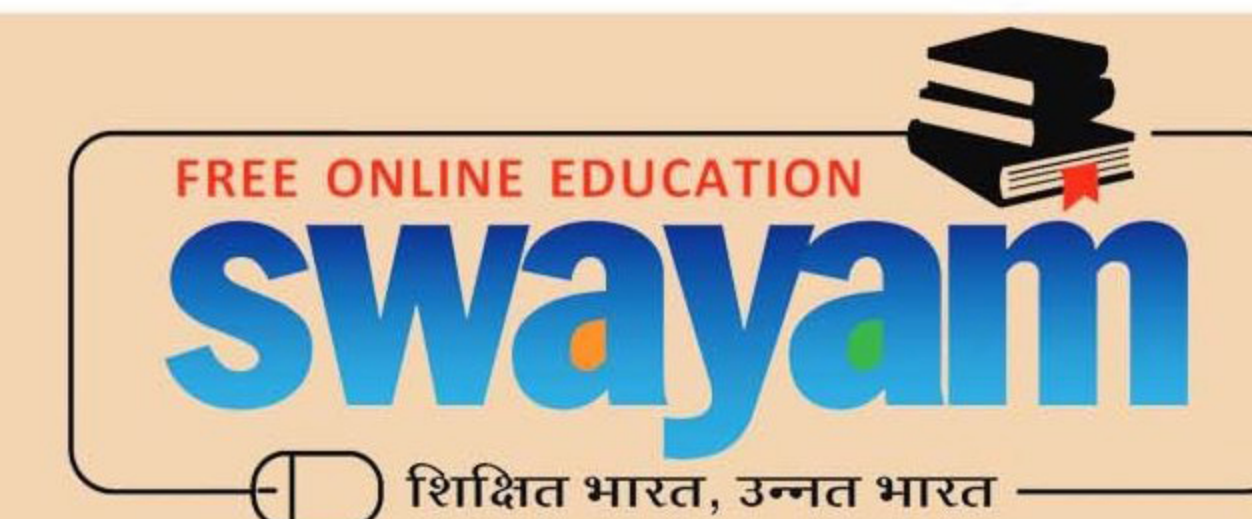
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S638200320

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VISHWAJIT KUMAR KANTH**

for successfully completing the course

**The Joy of Computing Using Python**

with a consolidated score of **58** %

Online Assignments	24.91/25	Proctored Exam	33.52/75
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Total number of candidates certified in this course: **16145**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

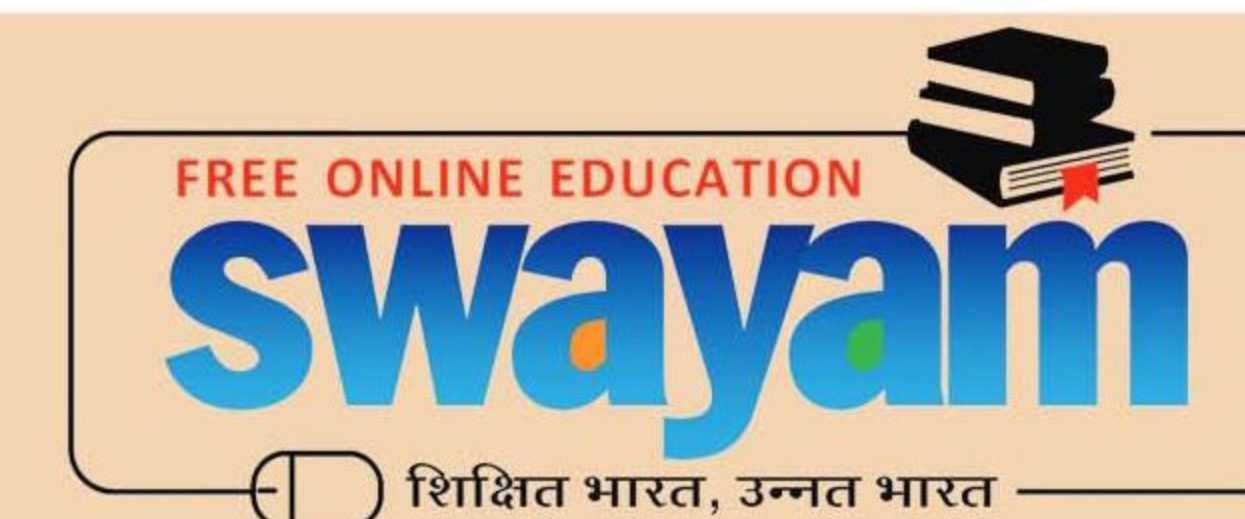
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS108S534000145

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MD WASHIM DAFADAR**

for successfully completing the course

**Learning Analytics Tools**

with a consolidated score of **42** %

Online Assignments	11.35/25	Proctored Exam	30.62/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **835**

**Jul-Oct 2023**

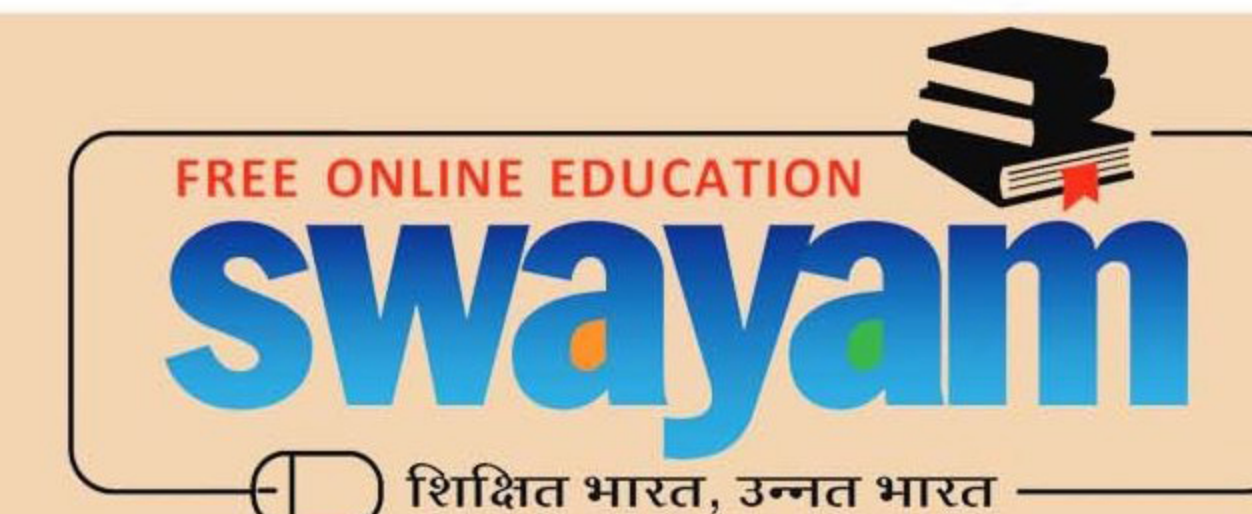
**(12 week course)**

**Prof. Sridhar Iyer**

Head CDEEP & NPTEL Coordinator  
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL23GE42S535100137

To verify the certificate



No. of credits recommended: 3 or 4

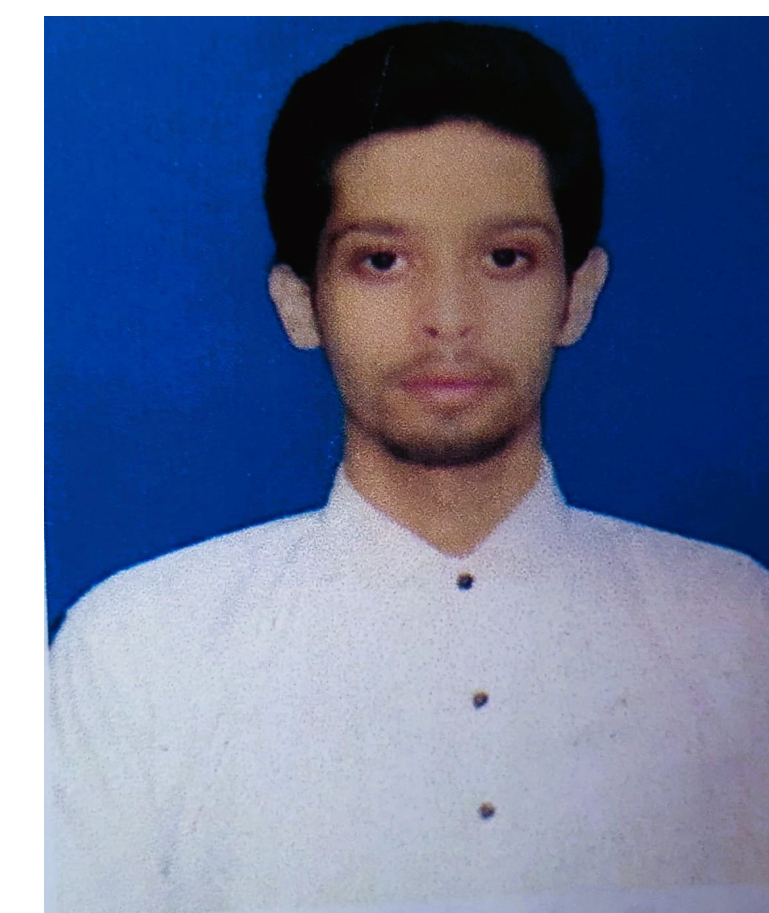




Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ABHIGYAN PANDEY**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **63** %

Online Assignments	24.81/25	Proctored Exam	38.27/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **12432**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

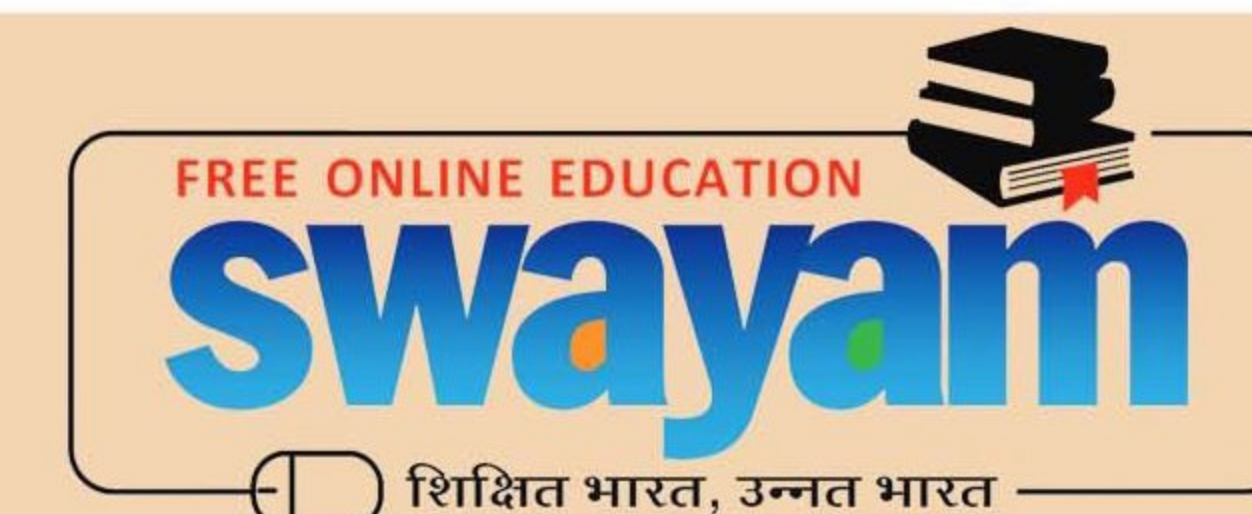
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S554400003

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ABHIJIT DUTTA**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **53** %

Online Assignments	23.13/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

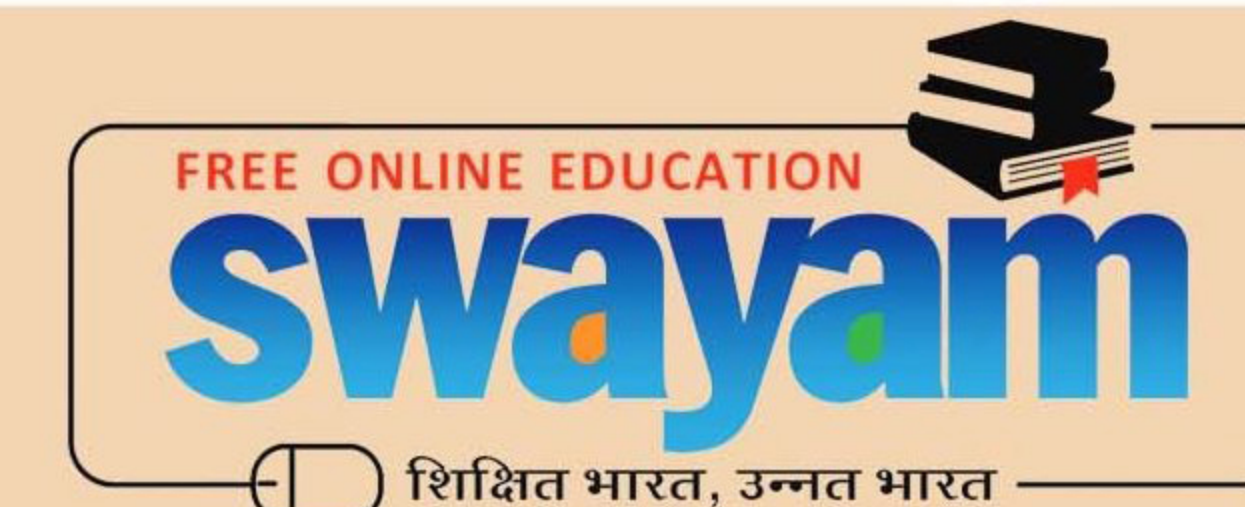
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100080

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SAGATA ADHIKARY**

for successfully completing the course

**Enhancing Soft Skills and Personality**



with a consolidated score of **80** %

Online Assignments	23.75/25	Proctored Exam	56.25/75
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Total number of candidates certified in this course: **12566**

**Prof. B. V. Ratish Kumar**

Chairman, Centre for Continuing Education  
IIT Kanpur

**Feb-Apr 2024**

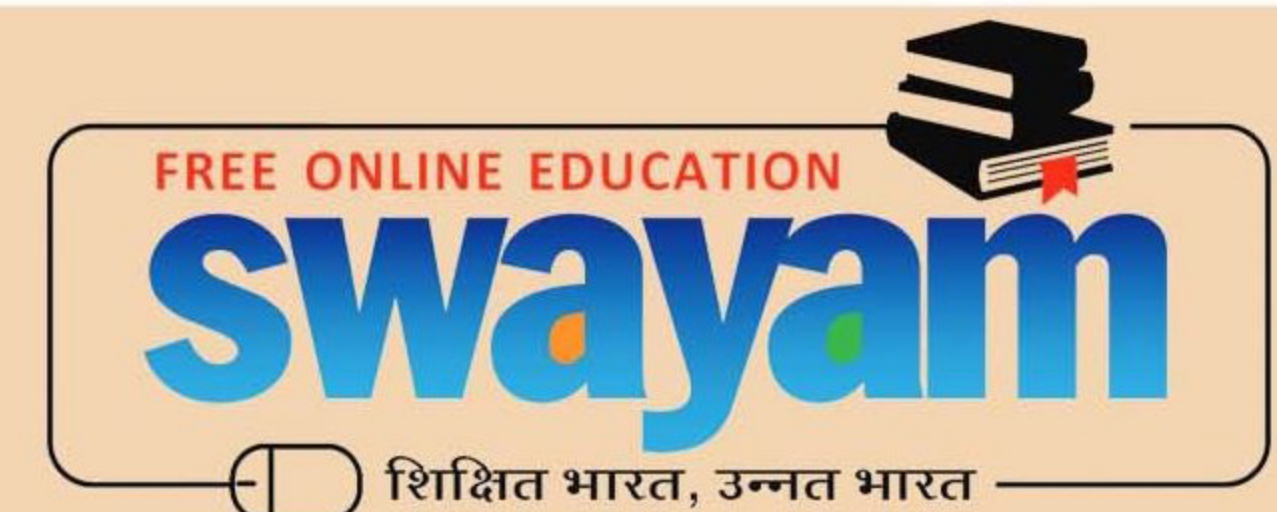
**(8 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24HS26S359700019

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**AKASH GUPTA**

for successfully completing the course

**Data Analytics with Python**

with a consolidated score of **68** %

Online Assignments	21.31/25	Proctored Exam	46.28/75
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Total number of candidates certified in this course: **11220**

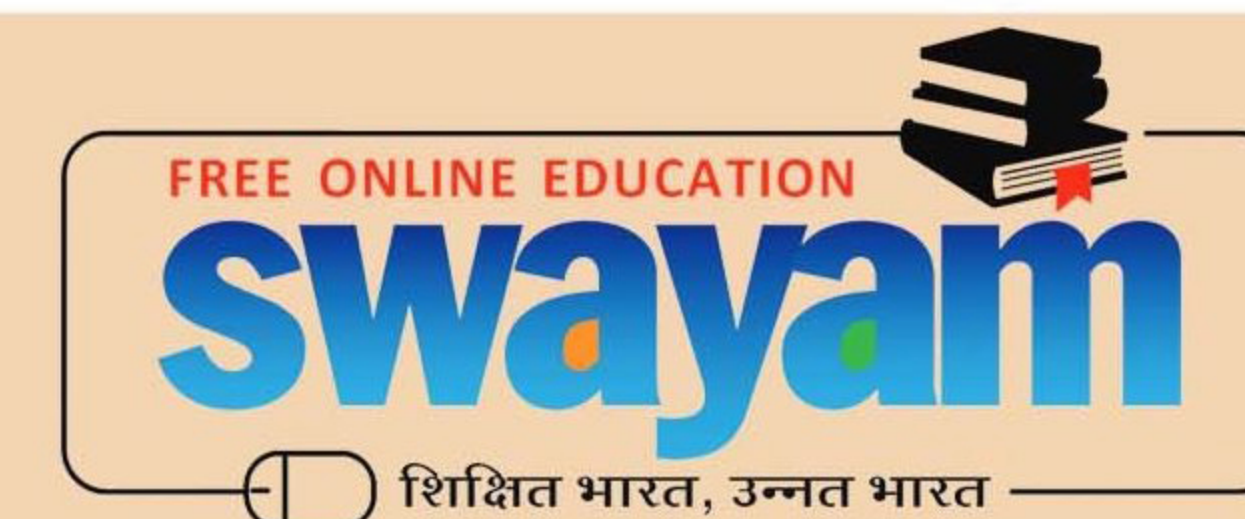
**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

**Jan-Apr 2024**  
**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CS20S955100002

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ANUPAM KUMAR BISWAS**

for successfully completing the course

**Advanced Topics in Science and Technology of Concrete**

with a consolidated score of **81** %

Online Assignments	16.67/25	Proctored Exam	64.5/75
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Total number of candidates certified in this course: **268**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Feb-Mar 2024**

**(4 week course)**

*Prof. Andrew Thangaraj*

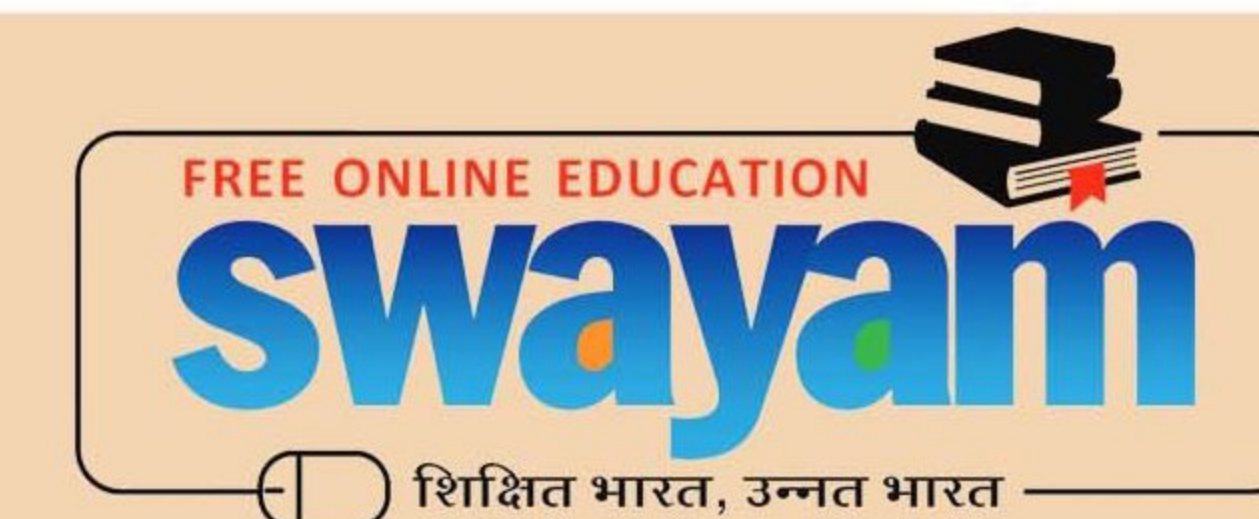
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CE54S555100007

To verify the certificate



No. of credits recommended: 1 or 2





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**APARNA BHADURI**

for successfully completing the course

**Financial Institutions and Markets**

with a consolidated score of **52** %

Online Assignments	18.6/25	Proctored Exam	33/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **446**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24MG20S1055100127

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ARIJIT BANERJEE**

for successfully completing the course

**Non-conventional Energy Resources**



with a consolidated score of **77** %

Online Assignments	23.81/25	Proctored Exam	53.35/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **578**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

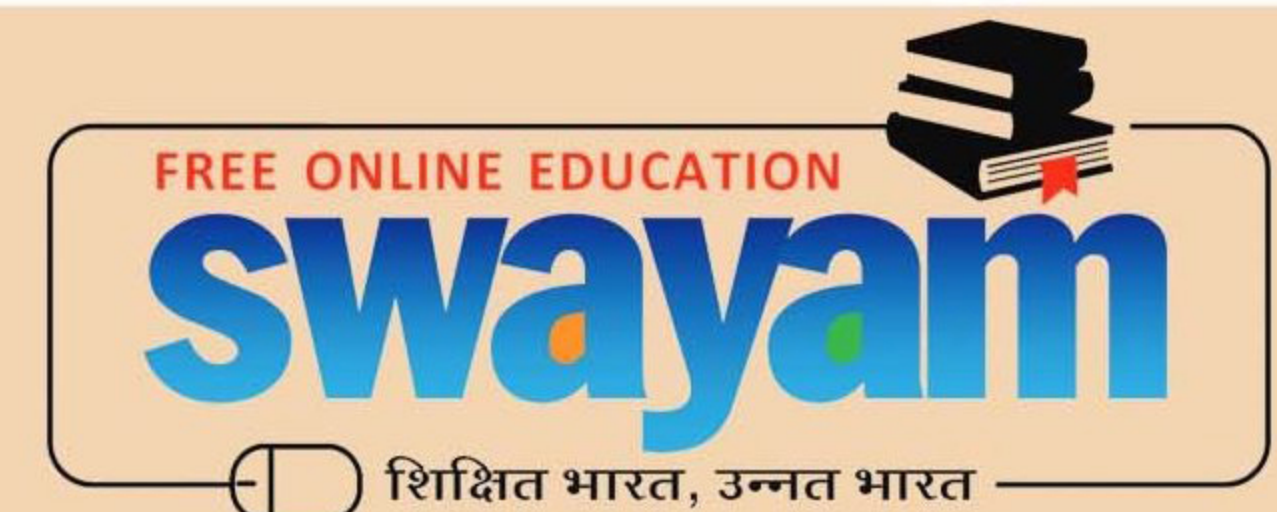
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24GE24S1159700239

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ARIJIT KUMAR BANERJI**

for successfully completing the course

## Analysis and Design of Bituminous Pavements

with a consolidated score of **64** %

Online Assignments	17.53/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **68**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

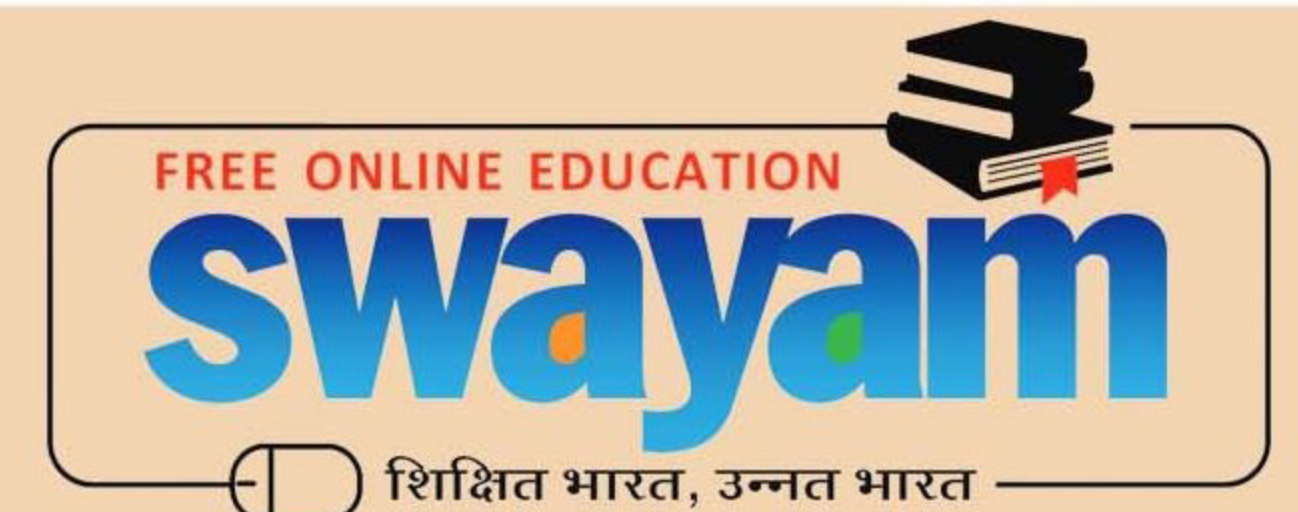
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CE42S1255100046

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ATANU GOPE**

for successfully completing the course

**AI in Marketing**

with a consolidated score of **63** %

Online Assignments	21.25/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **3388**

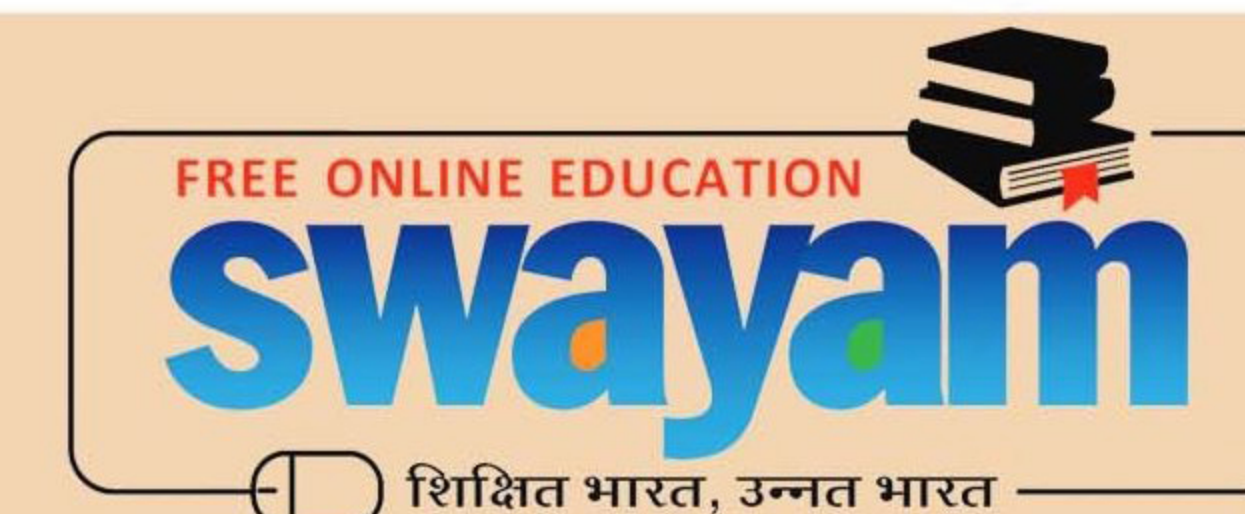
**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

**Jan-Apr 2024**  
**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24MG05S955100026

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ATANU GOPE**

for successfully completing the course

**Business Forecasting**

with a consolidated score of **60** %

Online Assignments	16.67/25	Proctored Exam	43/75
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Total number of candidates certified in this course: **399**

**Feb-Apr 2024**

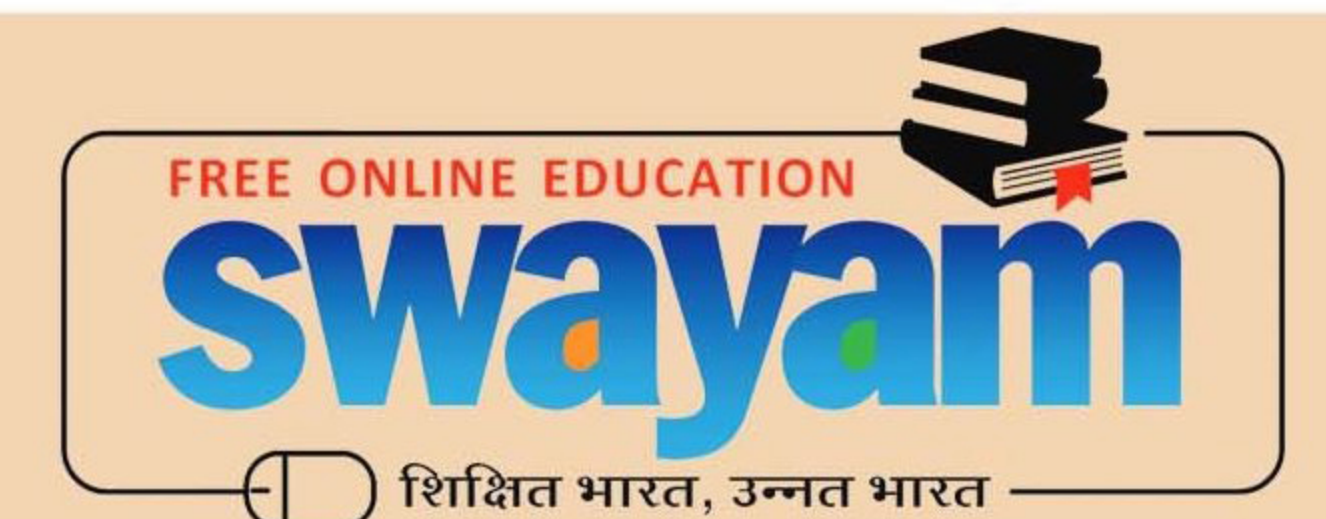
**(8 week course)**

**Prof. Sridhar Iyer**

Head CDEEP & NPTEL Coordinator  
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL24MG66S355100010

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

**AVIJIT MONDAL**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **58** %

Online Assignments	23.16/25	Proctored Exam	34.37/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

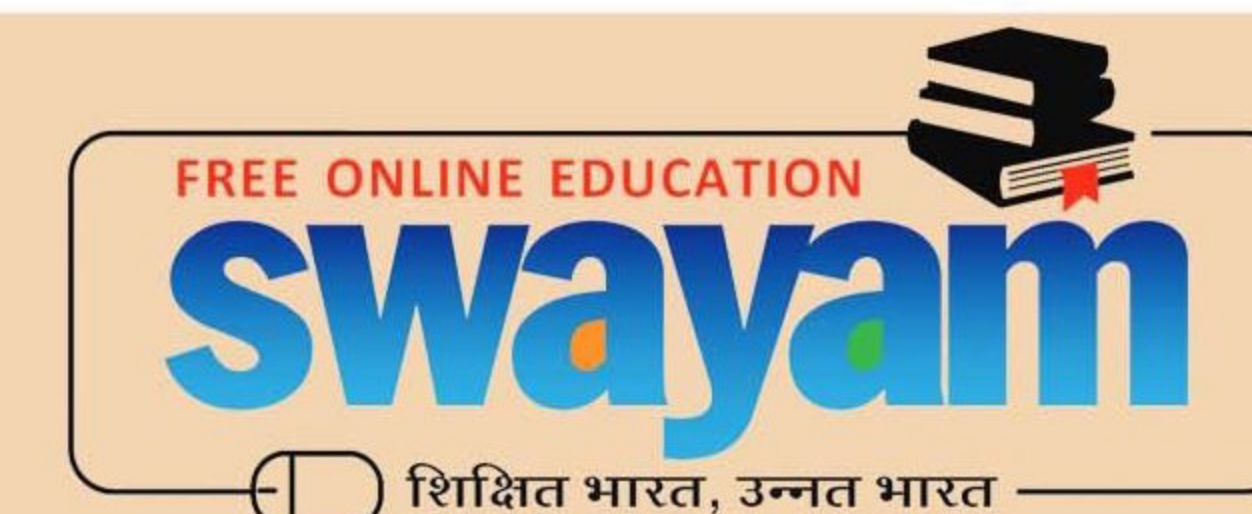
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S955100025

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**BAISHAKHI ADHIKARY**

for successfully completing the course

**Programming in Java**

with a consolidated score of **61** %

Online Assignments	25/25	Proctored Exam	35.5/75
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Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

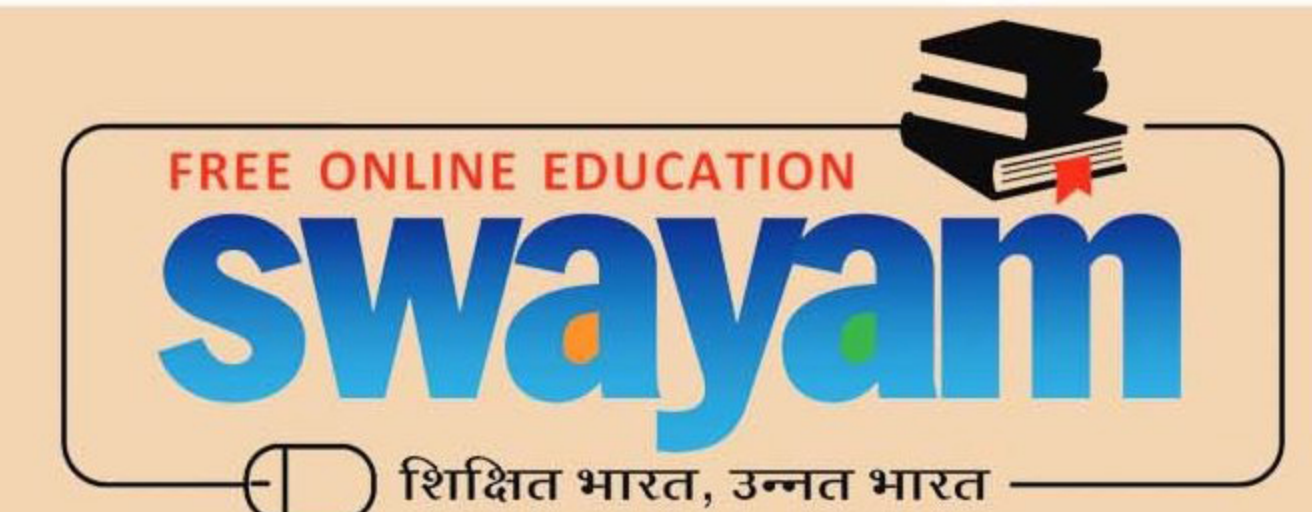
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S955100021

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SUMAN BATABYAL**

for successfully completing the course

## Problem Solving through Programming In C

with a consolidated score of **55** %

Online Assignments	24.66/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **2979**

**Jan-Apr 2024**

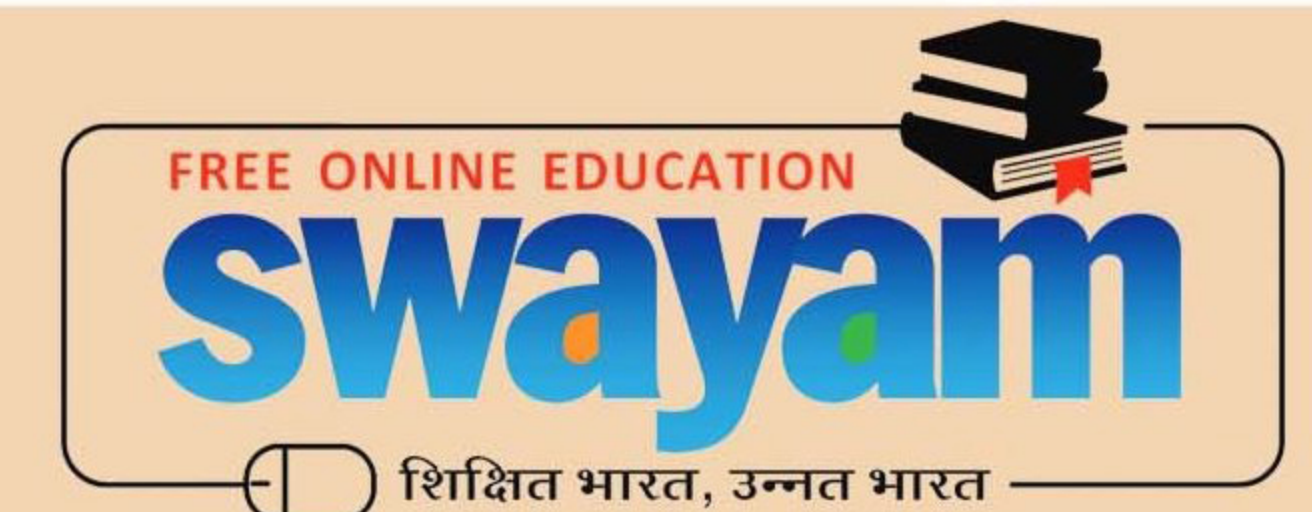
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS42S555100009

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**BIDISHA HALDAR**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **83** %

Online Assignments	24.69/25	Proctored Exam	58.16/75
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Total number of candidates certified in this course: **12432**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

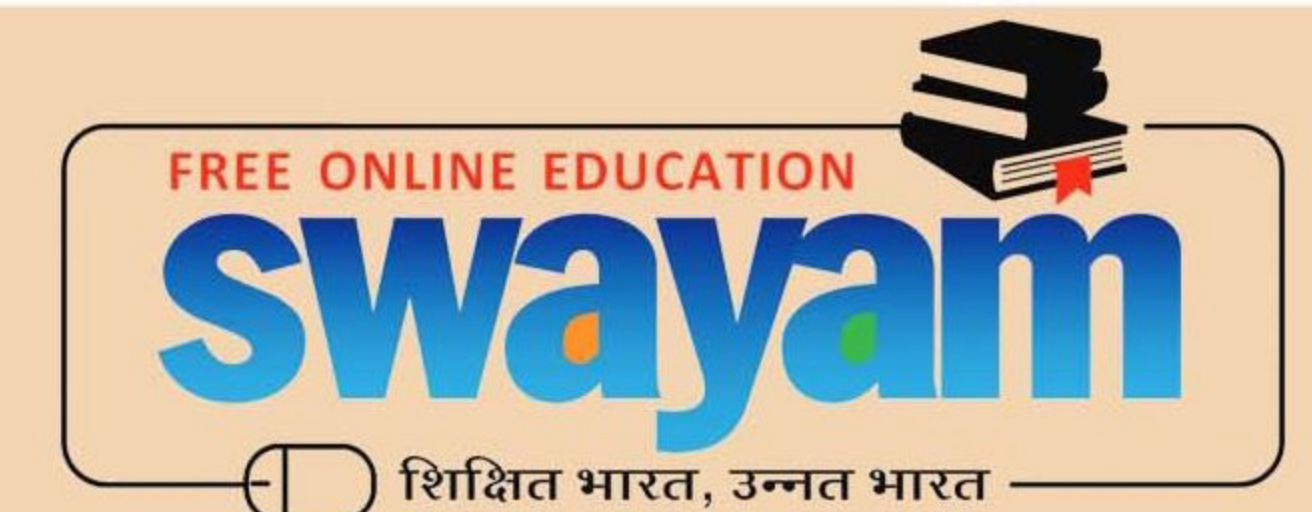
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



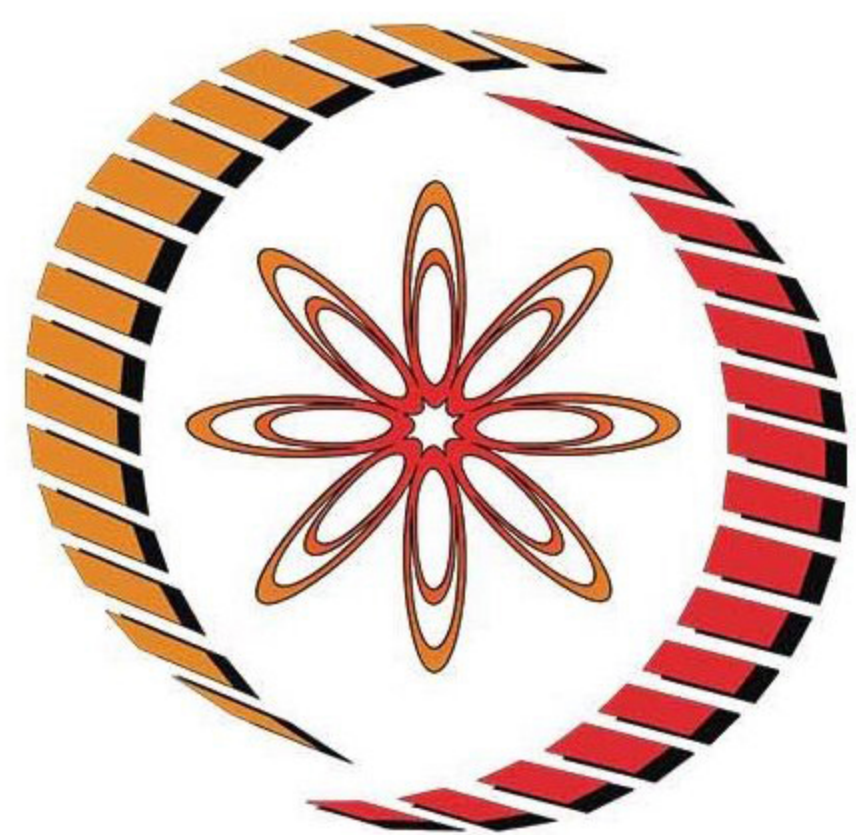
Roll No: NPTEL24CS57S555100008

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**BISWESAR GHOSH**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **54** %

Online Assignments	23.91/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

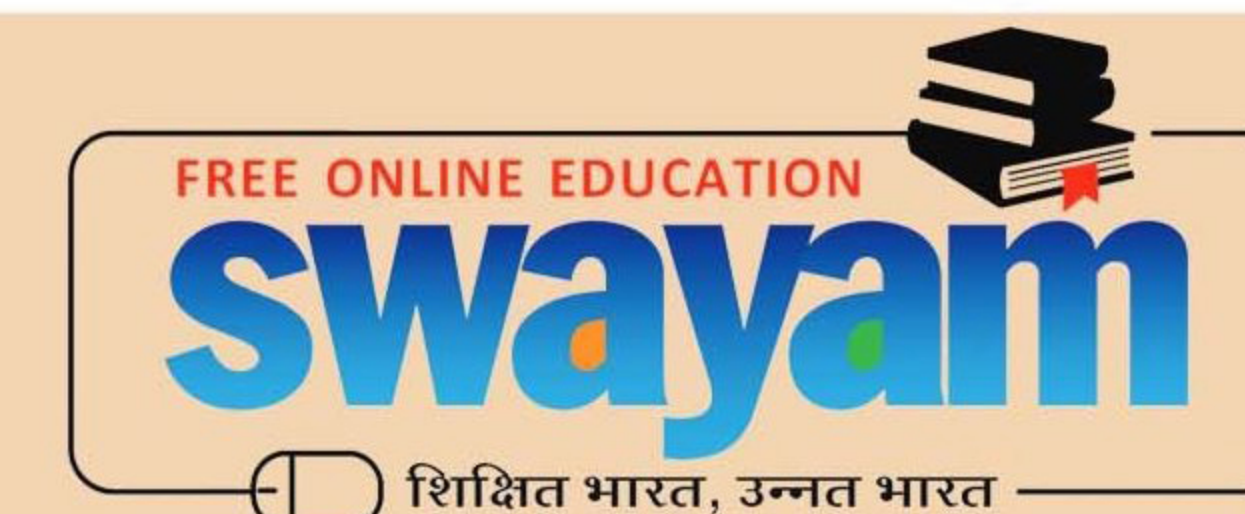
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S955100037

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PRADIP KUMAR DAS**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **57** %

Online Assignments	23.88/25	Proctored Exam	32.81/75
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Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

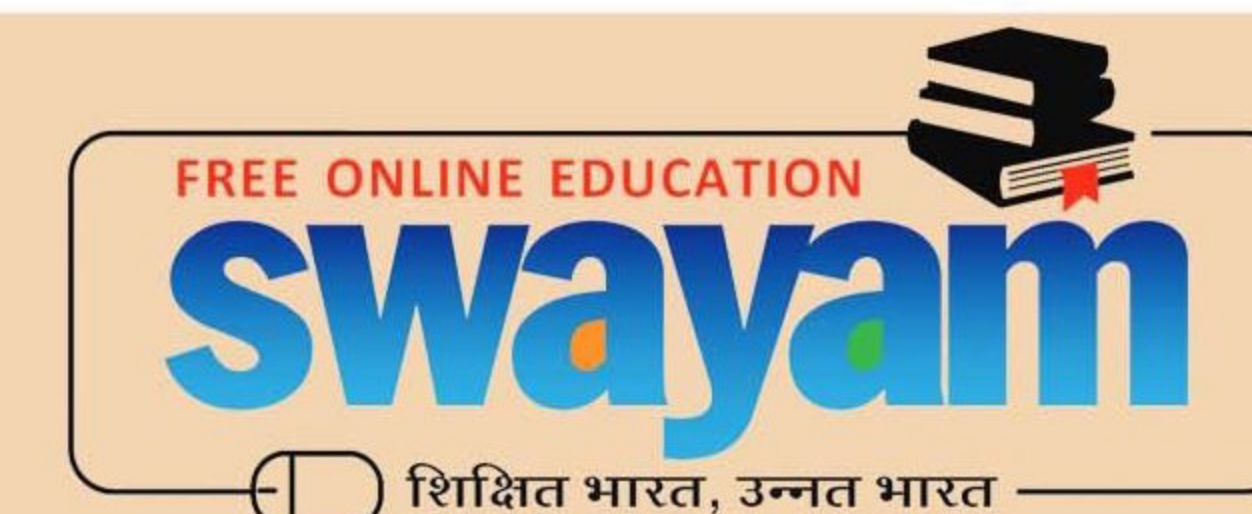
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S955100040

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DIPAK KUMAR DHAK**

for successfully completing the course

**EV - Vehicle Dynamics and Electric Motor Drives**

with a consolidated score of **66** %

Online Assignments	23.54/25	Proctored Exam	42.77/75
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Total number of candidates certified in this course: **801**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Mar 2024**

**(8 week course)**

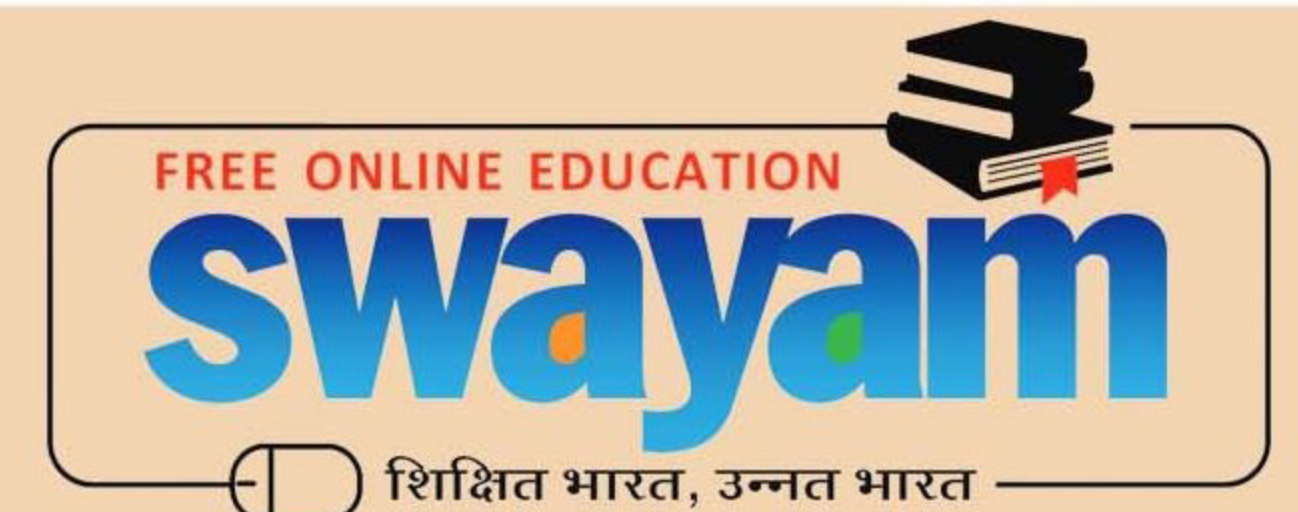
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24EE30S359600008

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

**DIPANJAN SAHA**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **56** %

Online Assignments	23.35/25	Proctored Exam	32.81/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

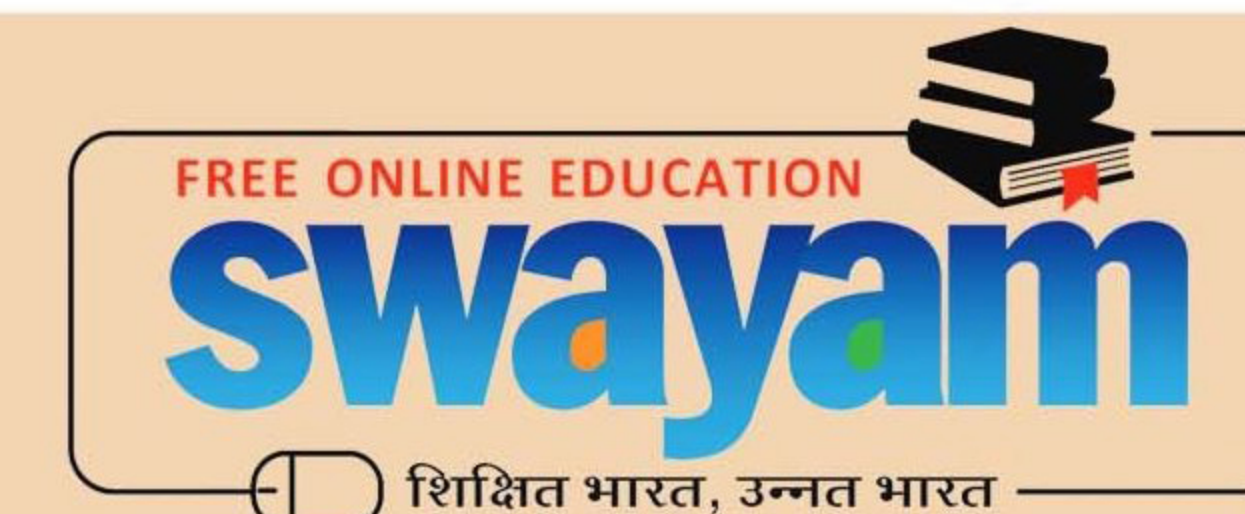
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S955100043

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DIPSHIKHA CHATTERJEE**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **57** %

Online Assignments	23.72/25	Proctored Exam	32.81/75
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Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

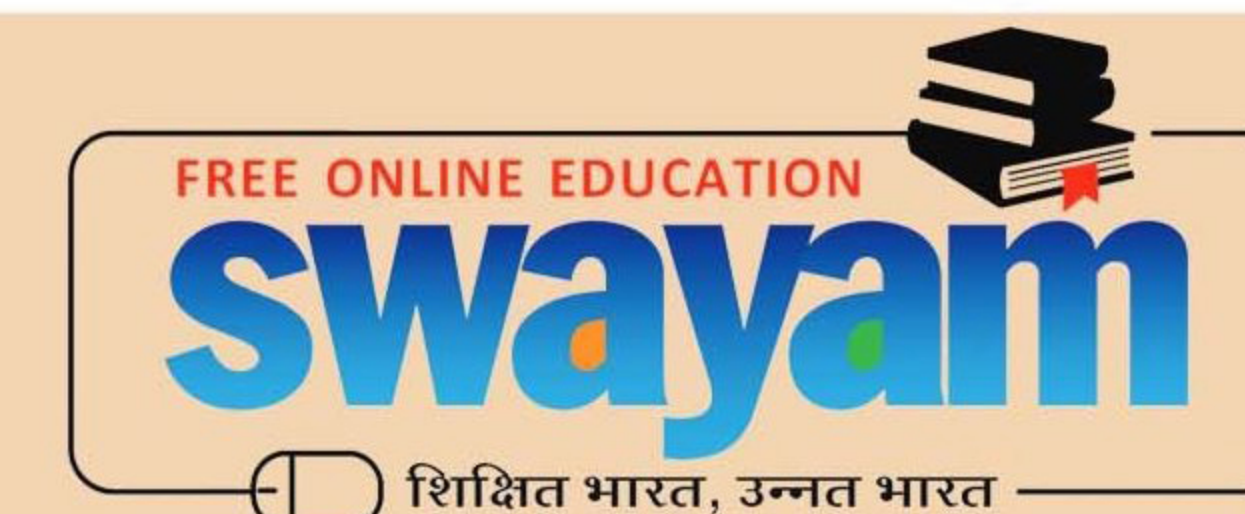
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S955100046

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**AKASH DAS**

for successfully completing the course

**Marketing Management - II**

with a consolidated score of **73** %

Online Assignments	18.71/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **1213**

**Prof. B. V. Ratish Kumar**

Chairman, Centre for Continuing Education  
IIT Kanpur

**Feb-Apr 2024**

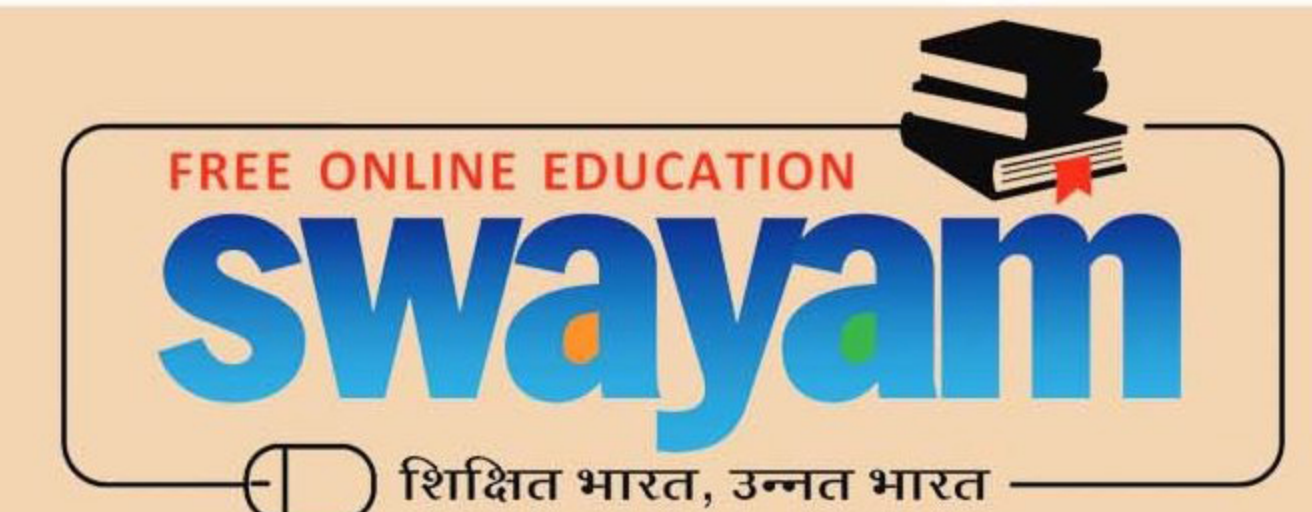
**(8 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24MG41S555100019

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

**RANGAN MUKHERJEE**

for successfully completing the course

**Programming in Java**

with a consolidated score of **49** %

Online Assignments	13.72/25	Proctored Exam	35.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S951600003

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RANGAN MUKHERJEE**

for successfully completing the course

**Software Testing**

with a consolidated score of **48** %

Online Assignments	17.92/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1519**

**Jan-Feb 2024**

**(4 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS47S359400006

To verify the certificate



No. of credits recommended: 1 or 2





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**KHUSHI SHYAM**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **55** %

Online Assignments	23.5/25	Proctored Exam	31.38/75
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Total number of candidates certified in this course: **12432**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

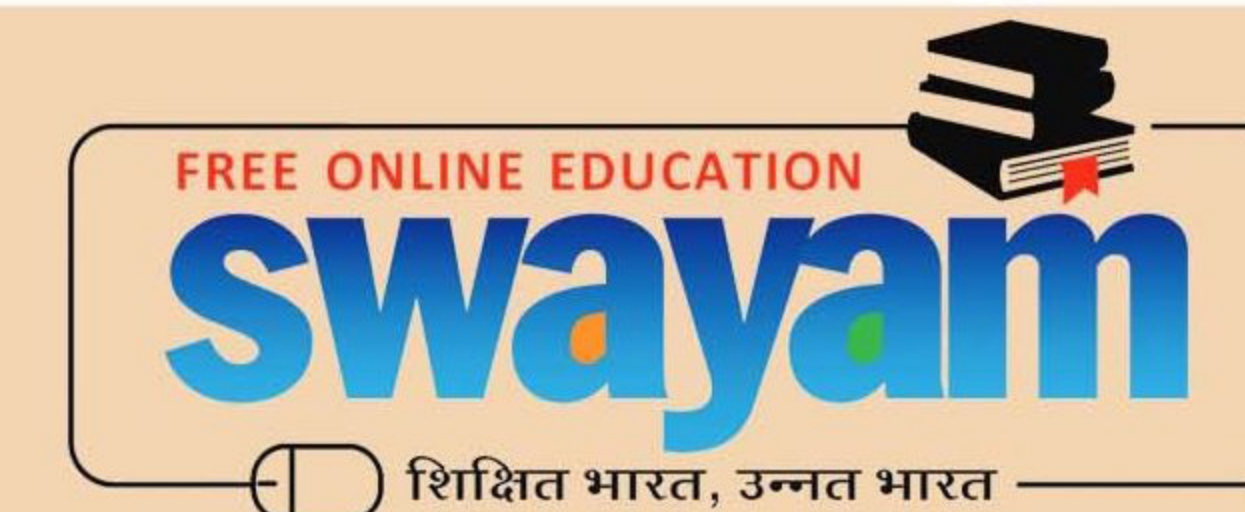
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S555100026

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**KOUSHIK ROY**

for successfully completing the course

**Problem Solving through Programming In C**

with a consolidated score of **50** %

Online Assignments	19.88/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **2979**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS42S555100033

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**JYOTI KUMARI**

for successfully completing the course

## Problem Solving through Programming In C

with a consolidated score of **55** %

Online Assignments	25/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **2979**

**Jan-Apr 2024**

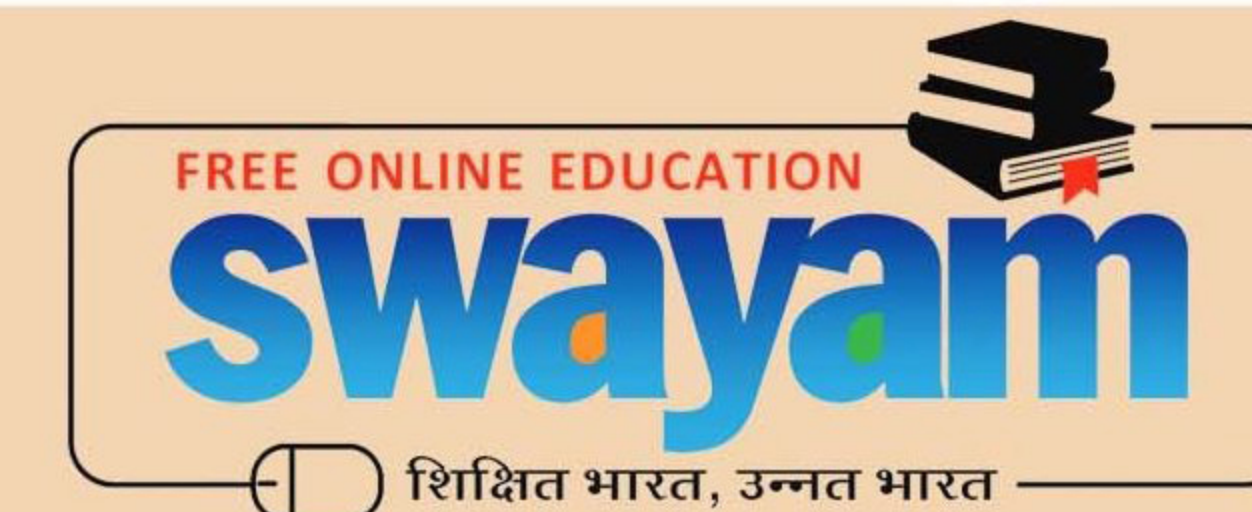
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS42S559700626

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**KUNTAL DAS**

for successfully completing the course

**Programming in Java**



with a consolidated score of **75** %



Online Assignments	25/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

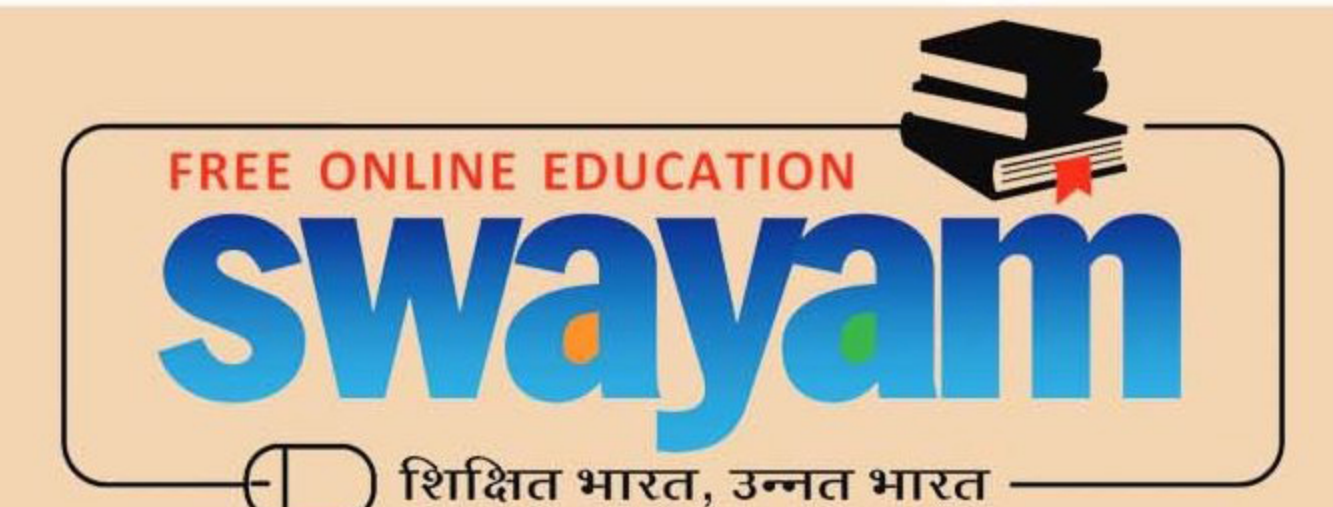
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S955100041

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MAHRUKH HUSSAIN**

for successfully completing the course

## Privacy and Security in Online Social Media

with a consolidated score of **52** %

Online Assignments	16.39/25	Proctored Exam	35.2/75
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Total number of candidates certified in this course: **11095**

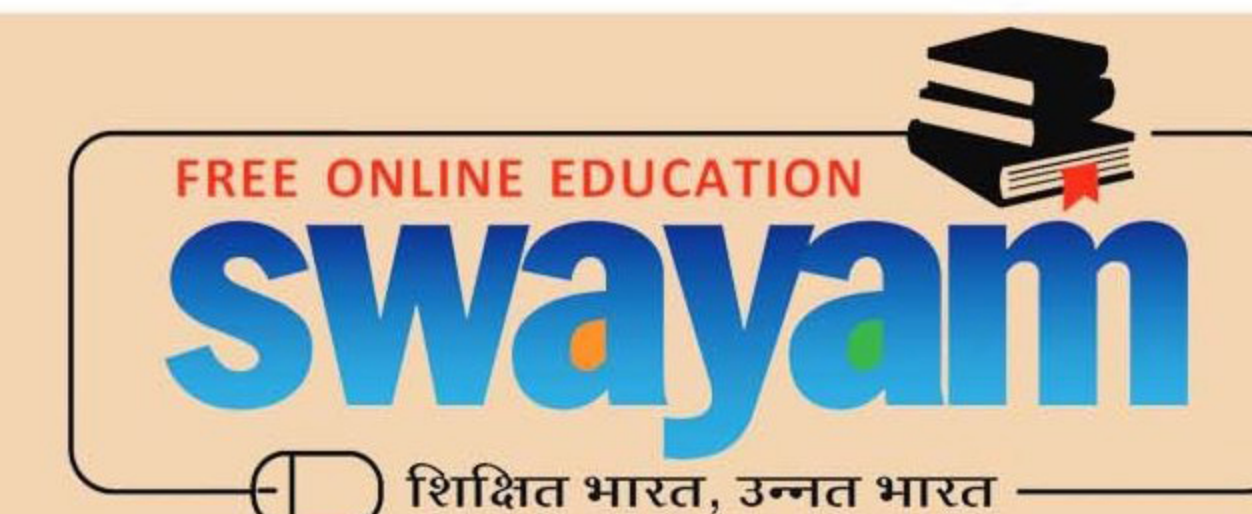
**Prof. Kishore Kothapalli**  
Professor and Dean (Academics)  
IIT Hyderabad

**Jan-Apr 2024**  
(12 week course)

**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
IIT Madras



International Institute of Information Technology, Hyderabad



Roll No: NPTEL24CS04S1155100014

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MANTU PAL**

for successfully completing the course

## Problem Solving through Programming In C

with a consolidated score of **63** %

Online Assignments	24.25/25	Proctored Exam	38.64/75
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Total number of candidates certified in this course: **2979**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS42S655100058

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MUSKAN SINGH**

for successfully completing the course

**Data Analytics with Python**

with a consolidated score of **72** %

Online Assignments	22.13/25	Proctored Exam	49.47/75
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Total number of candidates certified in this course: **11220**

**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

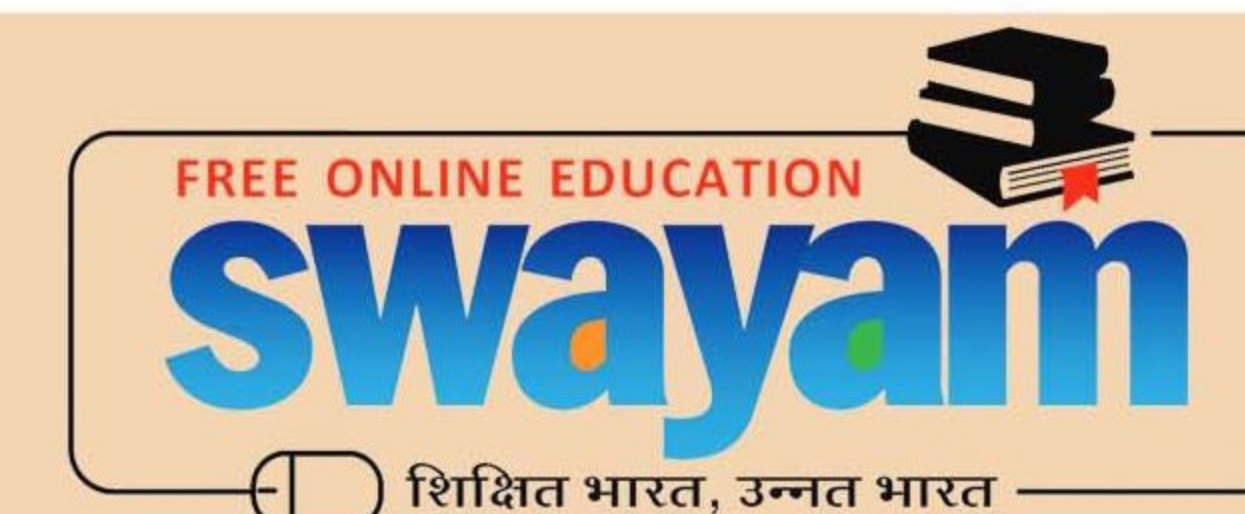
**Jan-Apr 2024**

**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CS20S955100032

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MUSKAN SINGH**

for successfully completing the course

**Data Base Management System**

with a consolidated score of **50** %

Online Assignments	15.63/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **6225**

**Jan-Mar 2024**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS21S546200044

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

**NAMITA TUDU**

for successfully completing the course

**Foundations of Cryptography**

with a consolidated score of **54** %

Online Assignments	17.81/25	Proctored Exam	36.24/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **242**

**Dr. Chandrashekar Ramanathan**

Chairman

Professor and Dean (Academics), IIT- Bangalore

**Jan-Apr 2024**

**(12 week course)**

**Prof. L. Umanand**

NPTEL Coordinator

IISc Bangalore



**INTERNATIONAL INSTITUTE  
OF INFORMATION TECHNOLOGY BANGALORE**



Roll No: NPTEL24CS01S355100006

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**NANDINI SINGH**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **66** %

Online Assignments	23.66/25	Proctored Exam	42.19/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S950100019

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DISHA RAJAK**

for successfully completing the course

**Programming in Java**

with a consolidated score of **60** %

Online Assignments	25/25	Proctored Exam	35/75
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Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S955100050

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PAYEL KARMAKAR**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **54** %

Online Assignments	23.69/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

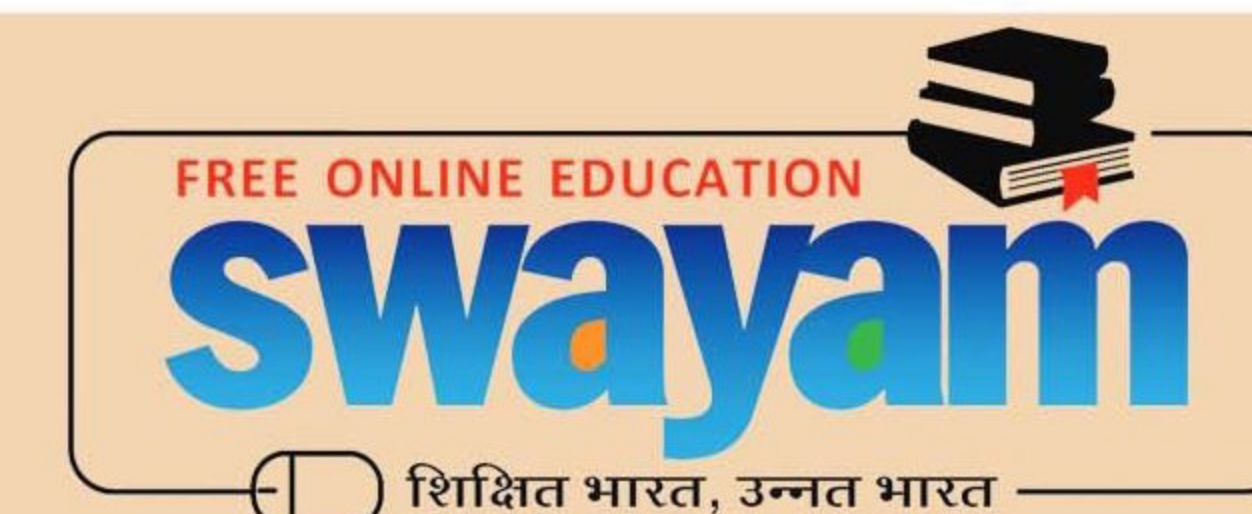
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100084

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PRASANTA MONDAL**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **57** %

Online Assignments	23.5/25	Proctored Exam	33/75
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Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

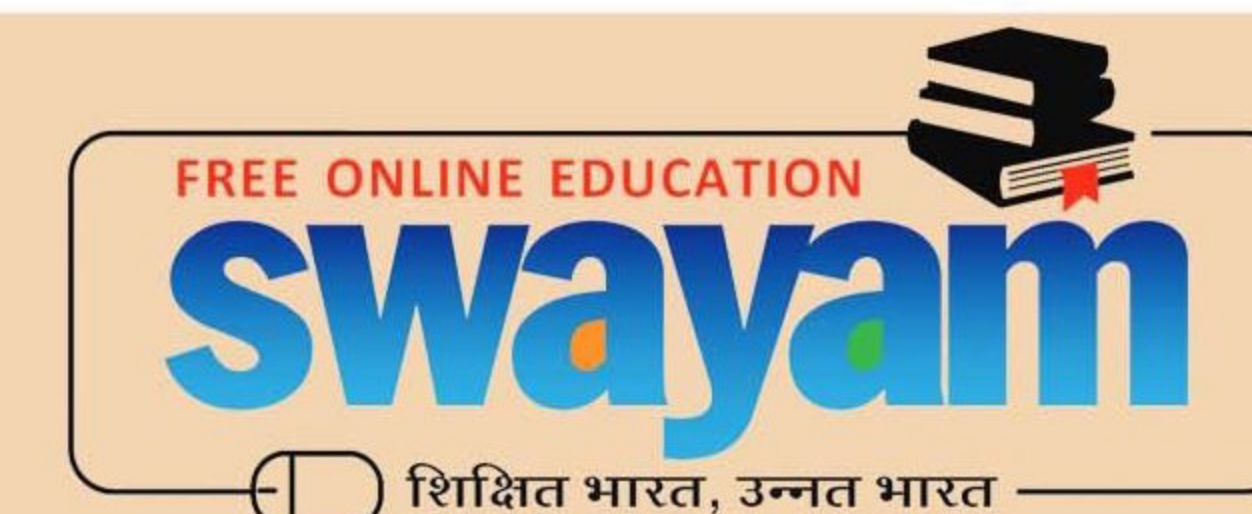
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100086

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PRERNA JHA**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **84** %

Online Assignments	23.53/25	Proctored Exam	60/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

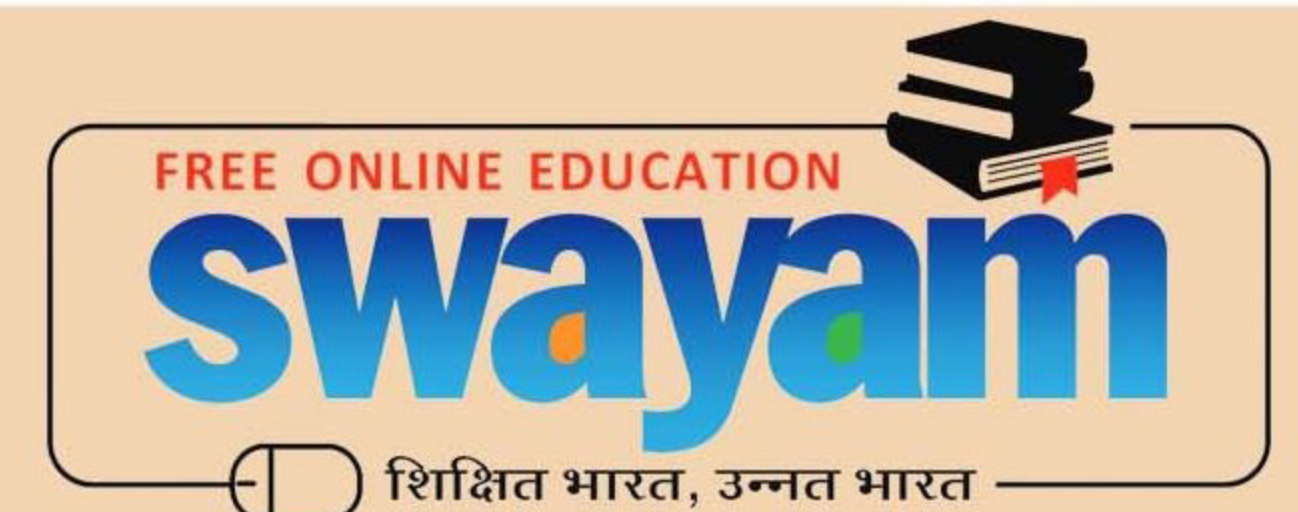
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100088

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PRITAM RAHA**

for successfully completing the course

**Data Analytics with Python**

with a consolidated score of **60** %

Online Assignments	25/25	Proctored Exam	35.11/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **11220**

**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

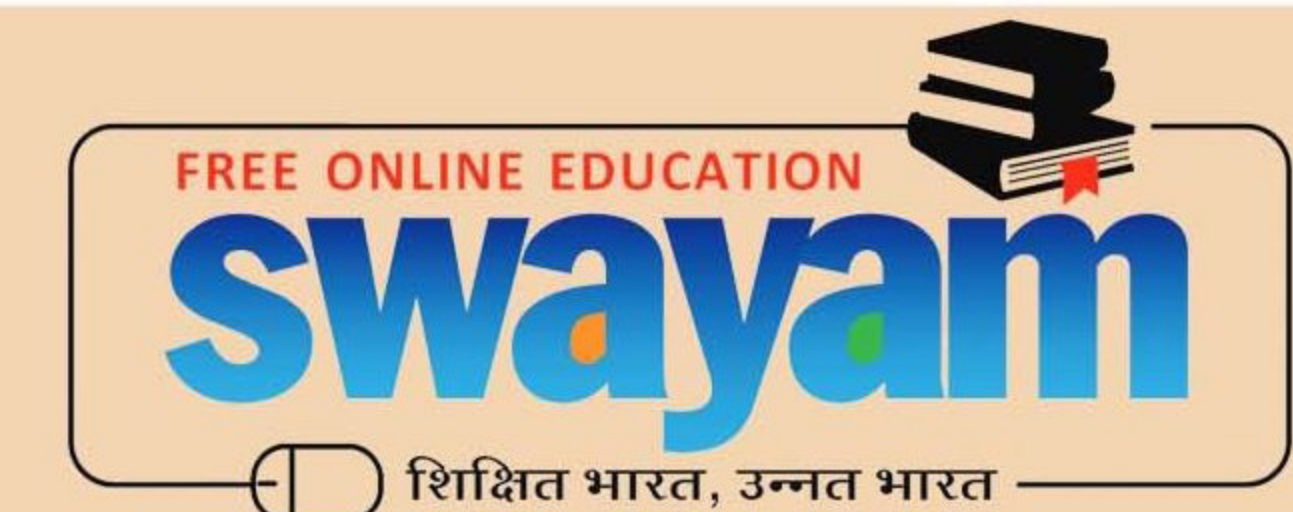
**Jan-Apr 2024**

**(12 week course)**

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



Indian Institute of Technology Roorkee



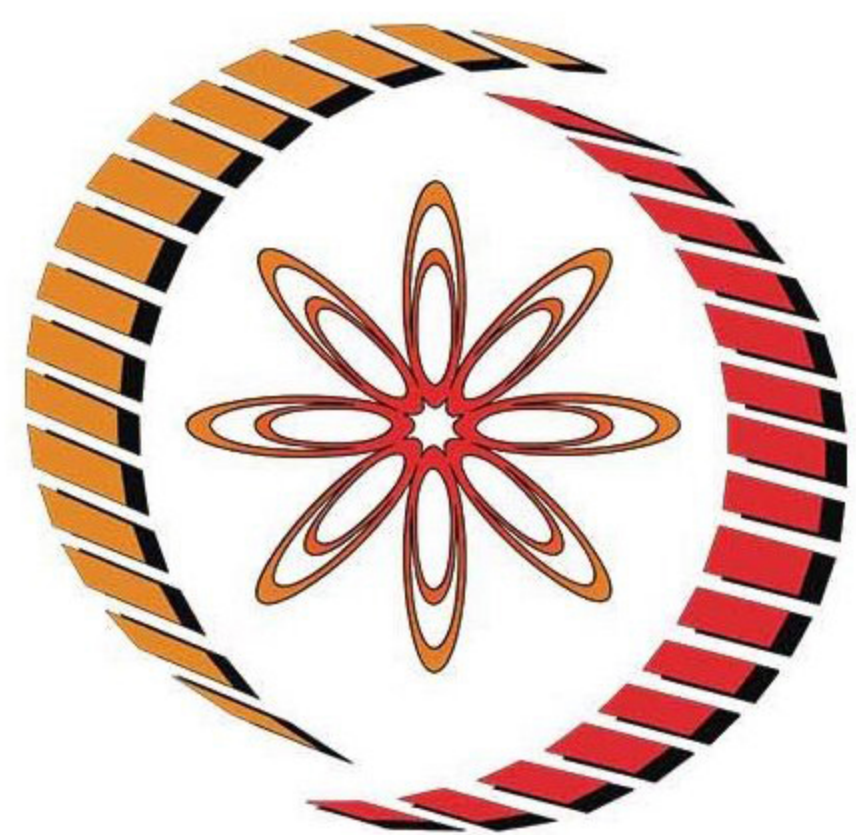
Roll No: NPTEL24CS20S955100047

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PRITAM RAHA**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **58** %

Online Assignments	23.5/25	Proctored Exam	34.5/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

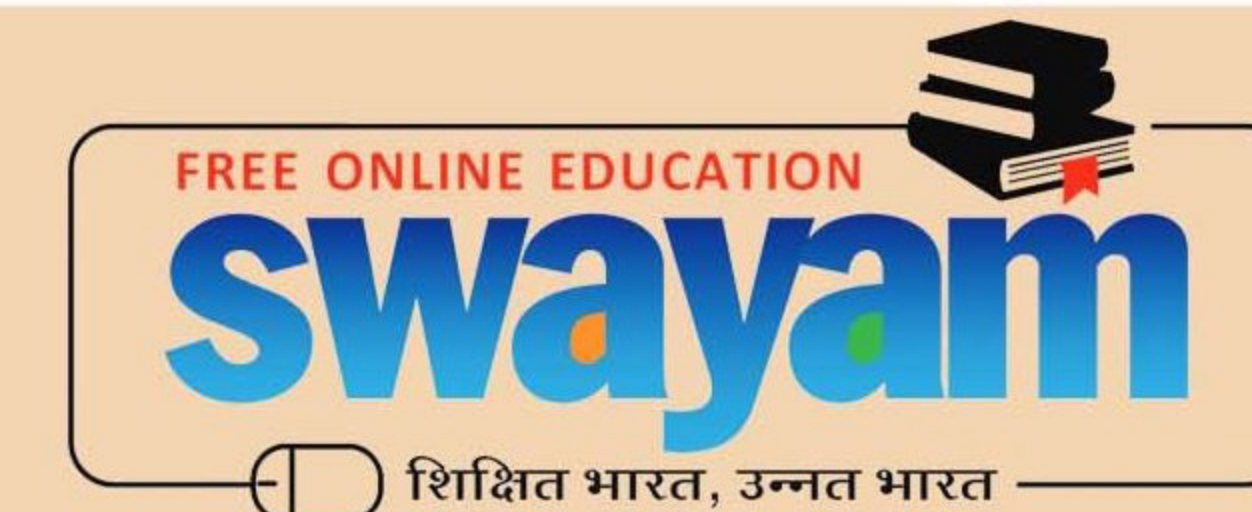
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100090

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RAHUL SHARMA**

for successfully completing the course

**Data Analytics with Python**

with a consolidated score of **52** %

Online Assignments	21.75/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **11220**

**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



Roll No: NPTEL24CS20S1059700689

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**MADHAV RAJ**

for successfully completing the course

**Data Analytics with Python**

with a consolidated score of **52** %

Online Assignments	22.25/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **11220**

**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

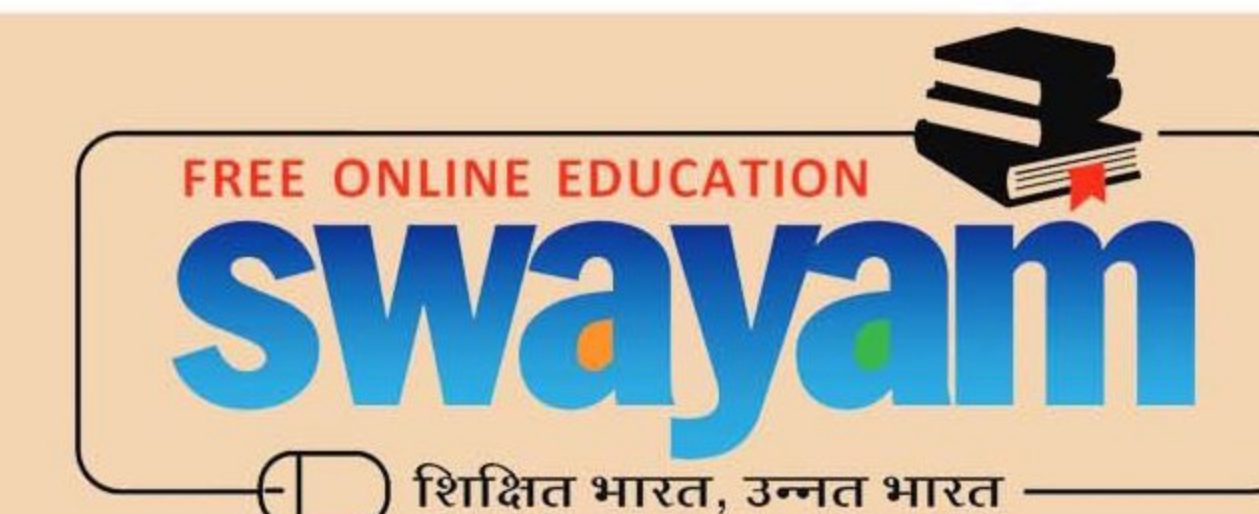
**Jan-Apr 2024**

**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CS20S1055100095

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RIJU MONDAL**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **65** %

Online Assignments	24.13/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

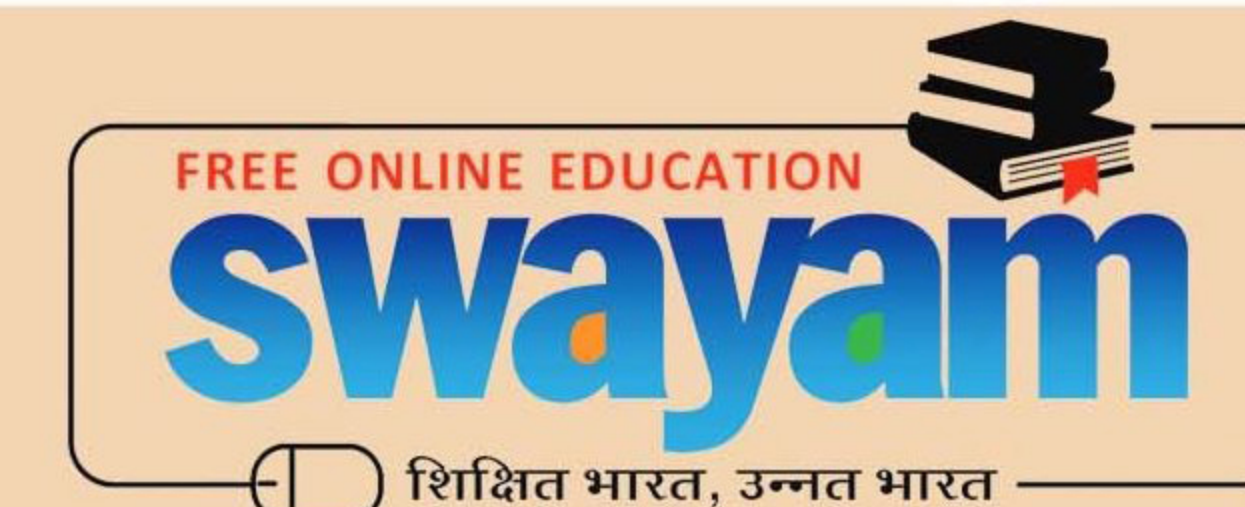
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100092

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RIMA GORAI**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **67** %

Online Assignments	24.66/25	Proctored Exam	42.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **12432**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

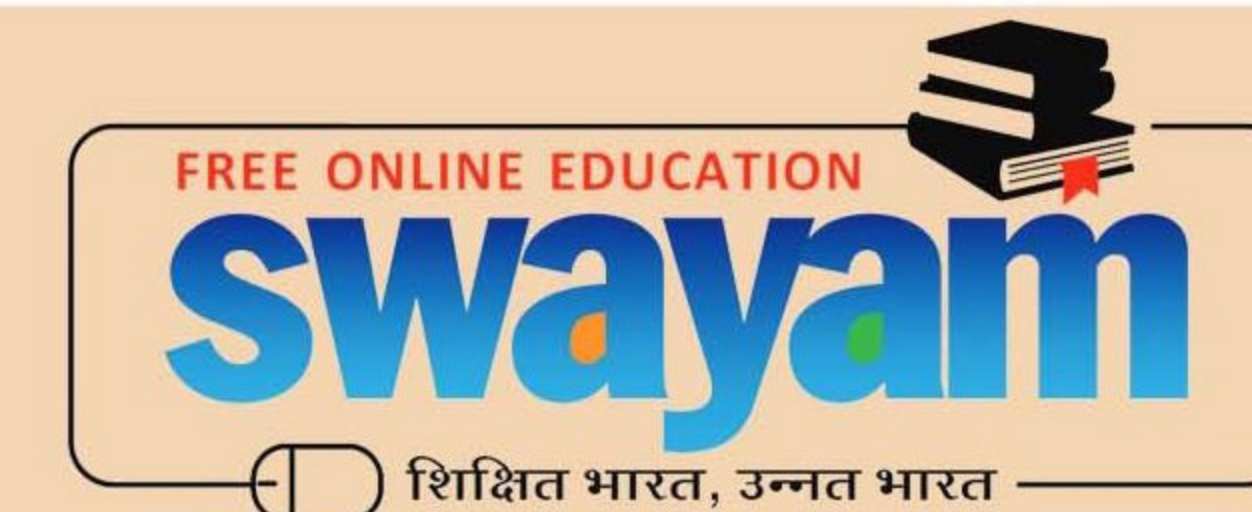
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S655100065

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RITABRATA MANDAL**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **85** %

Online Assignments	23.53/25	Proctored Exam	61.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **32882**

**Jan-Apr 2024**

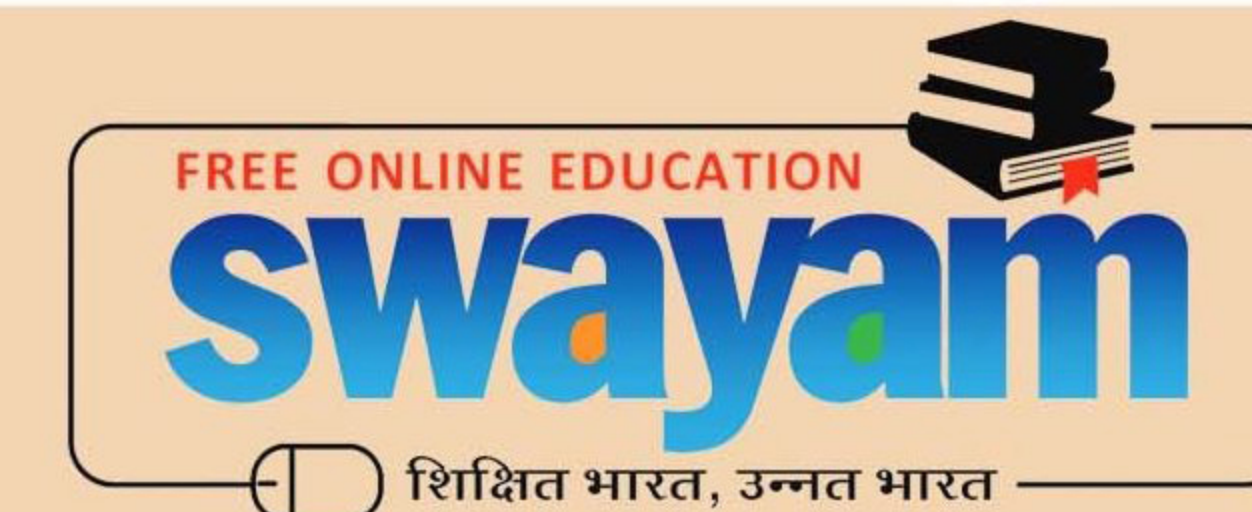
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS35S659700924

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RIYA HATI**

for successfully completing the course

**Data Analytics with Python**

with a consolidated score of **52** %

Online Assignments	22.13/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **11220**

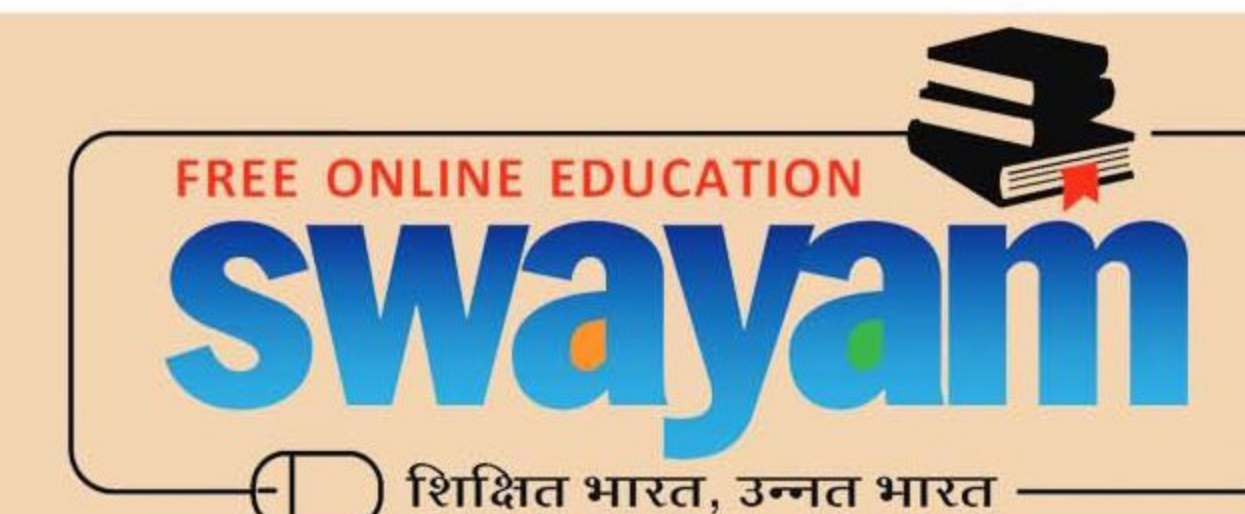
**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

**Jan-Apr 2024**  
**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CS20S955100054

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**RIYA HATI**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **58** %

Online Assignments	23.31/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

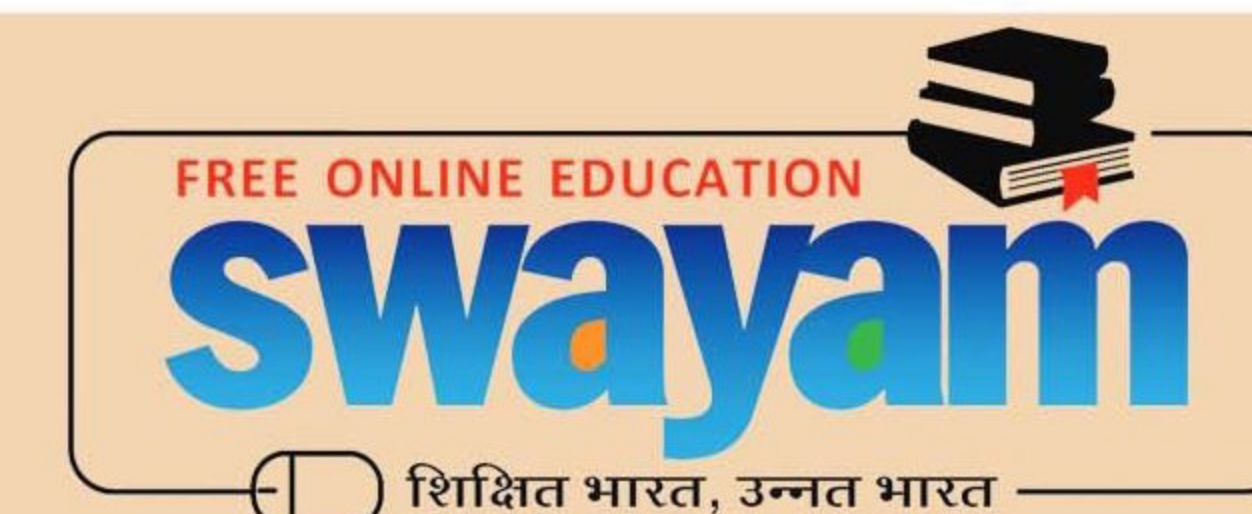
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100098

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ROHIT KUMAR**

for successfully completing the course

**Programming in Java**

with a consolidated score of **83** %

Online Assignments	22.63/25	Proctored Exam	60.21/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

**(12 week course)**

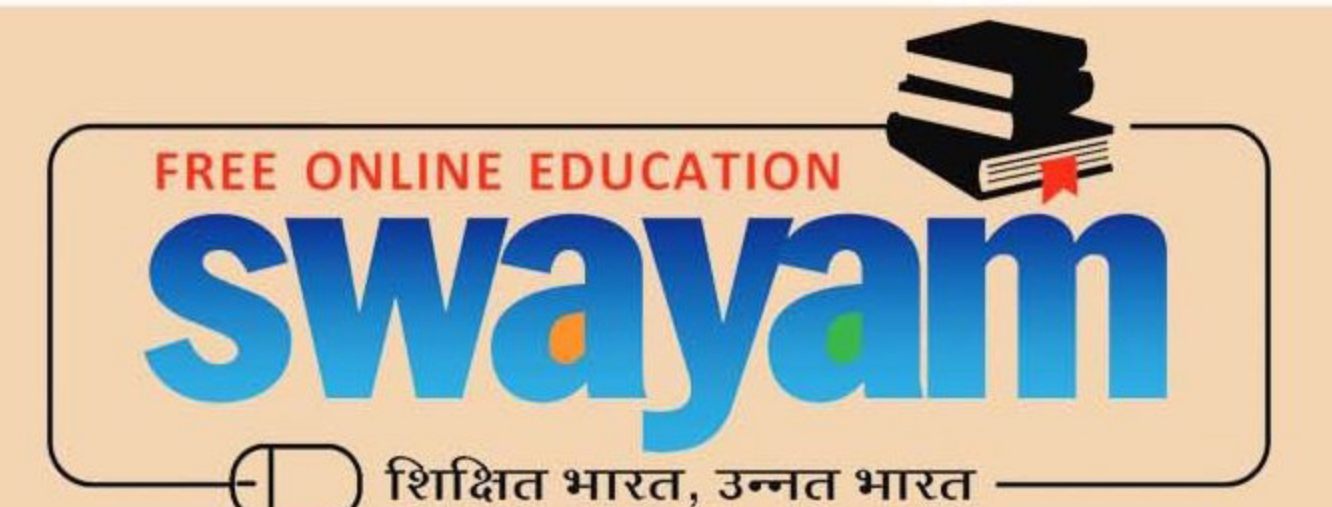


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S1055100093

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ROHIT KUMAR**

for successfully completing the course

**EV - Vehicle Dynamics and Electric Motor Drives**

with a consolidated score of **62** %

Online Assignments	19.58/25	Proctored Exam	42.63/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **801**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Mar 2024**

**(8 week course)**

*Prof. Andrew Thangaraj*

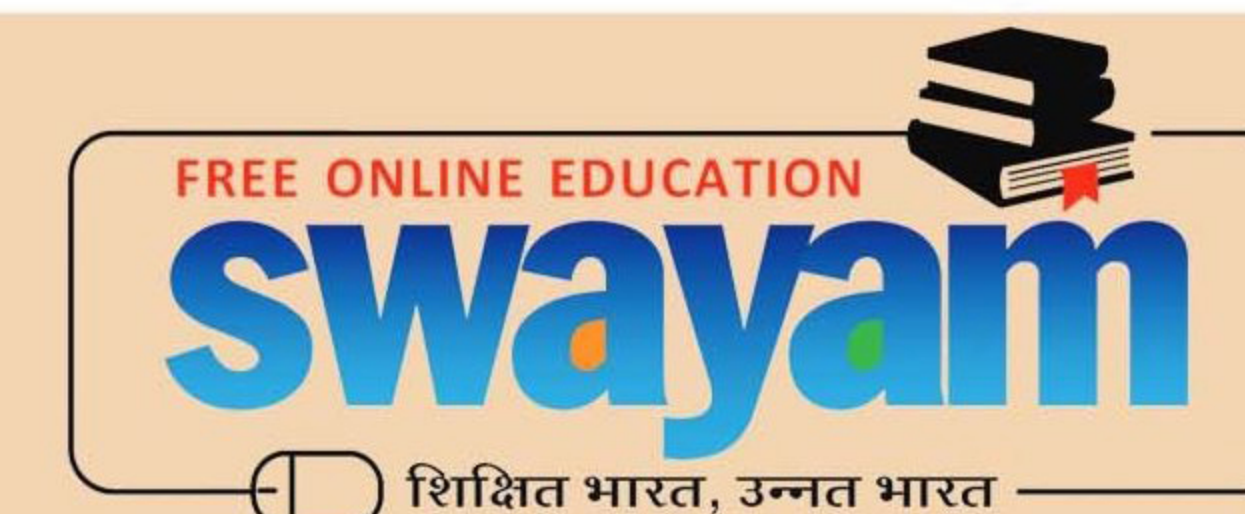
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24EE30S358800466

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ROHIT KUMAR**

for successfully completing the course

## Design of Power Electronic Converters

with a consolidated score of **62** %

Online Assignments	16.21/25	Proctored Exam	46.13/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **185**

**Feb-Apr 2024**

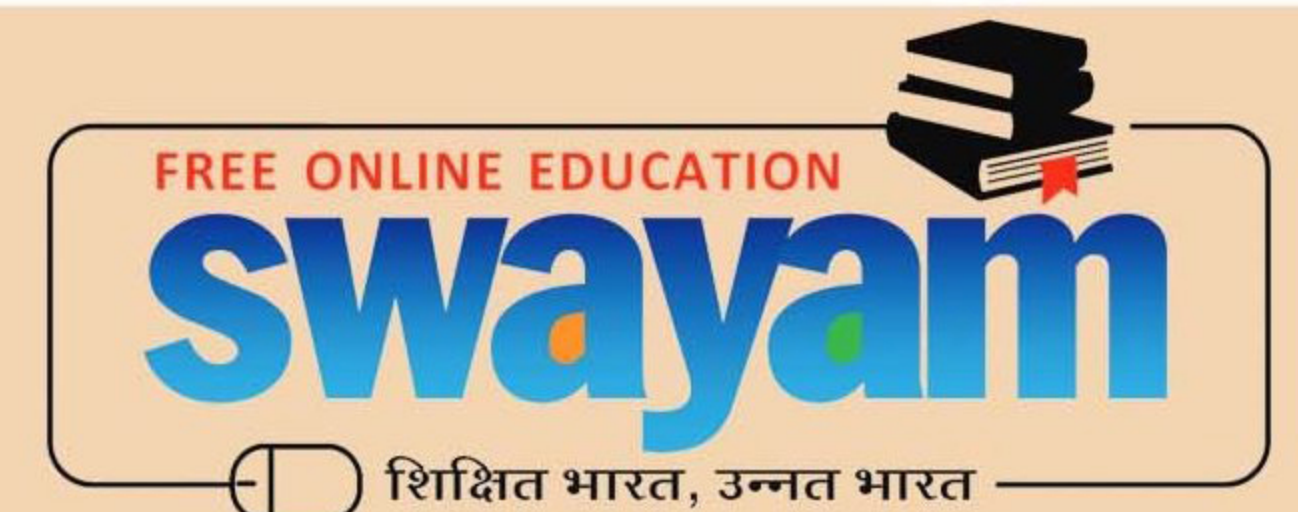
**(8 week course)**

**Prof. T. V. Bharat**

Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL24EE39S355100029

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ROHIT KUMAR**

for successfully completing the course

**Project Management**



with a consolidated score of **80** %

Online Assignments	21.67/25	Proctored Exam	58.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2875**

**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

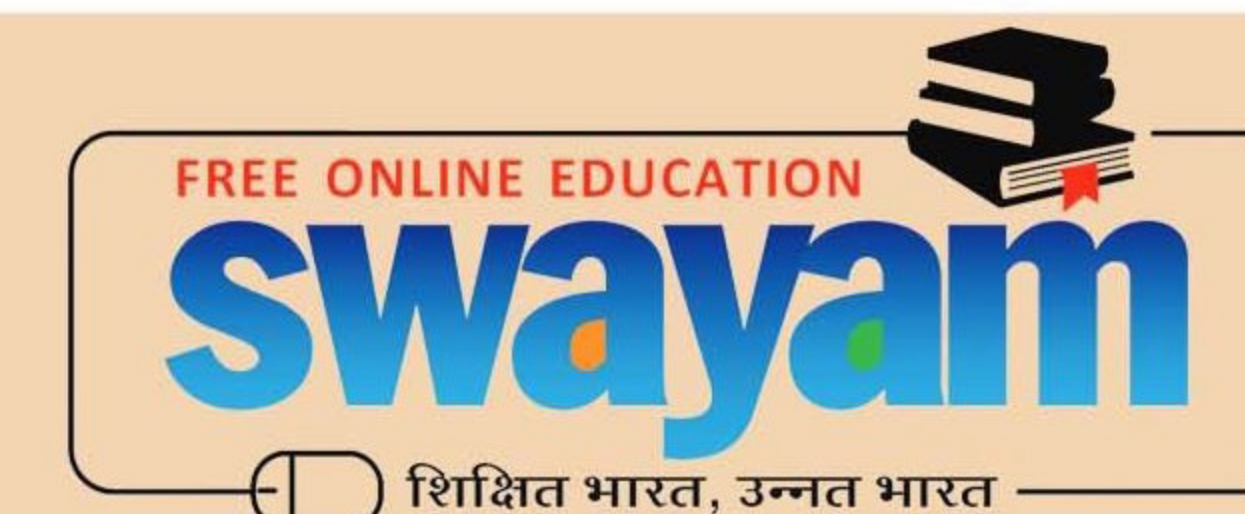
**Feb-Apr 2024**

**(8 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24MG01S455100063

To verify the certificate



No. of credits recommended: 2 or 3





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SAHELI SHYAM**

for successfully completing the course

## Problem Solving through Programming In C

with a consolidated score of **60** %

Online Assignments	15.53/25	Proctored Exam	44.7/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2979**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS42S655100064

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SAJAL MONDAL**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **55** %

Online Assignments	23.31/25	Proctored Exam	31.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

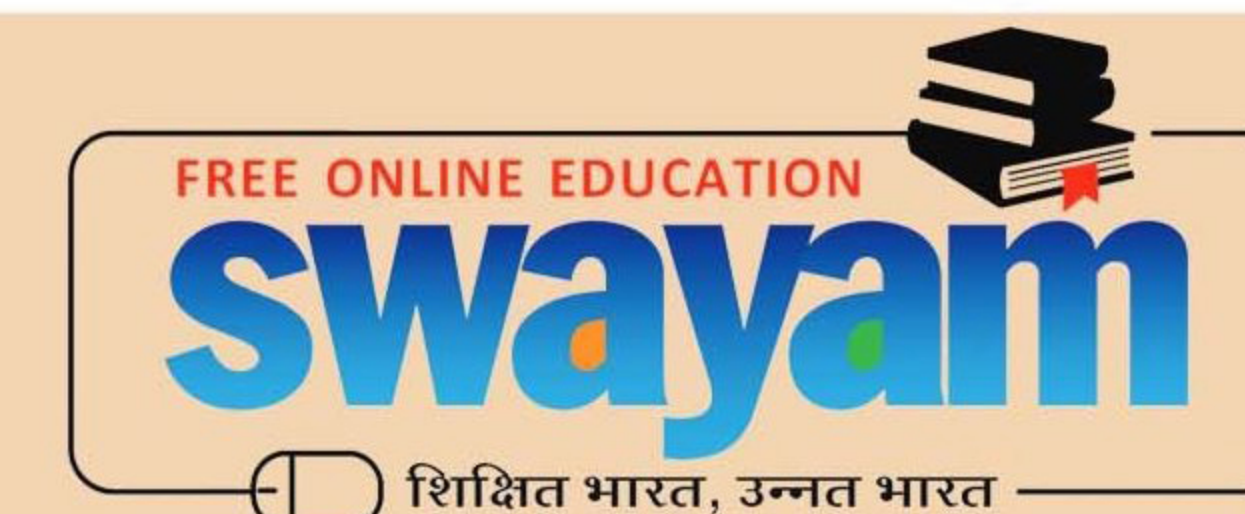
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100102

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SAMBIT DAS**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **73** %

Online Assignments	23.47/25	Proctored Exam	49.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

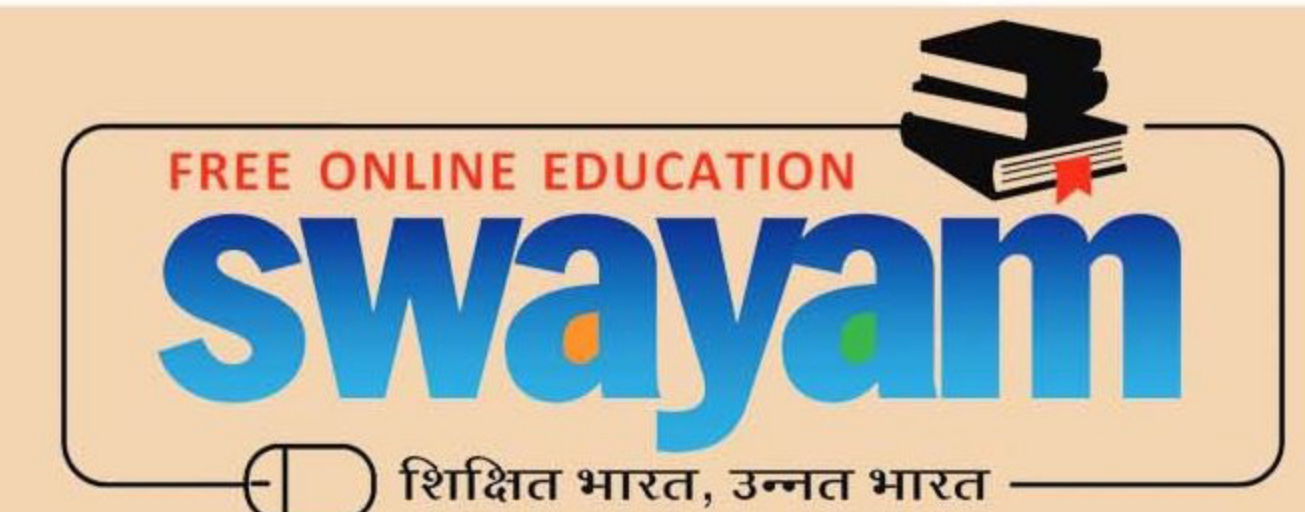
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100104

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**CHANDRA SEKHAR BALA**

for successfully completing the course

## Privacy and Security in Online Social Media

with a consolidated score of **73** %

Online Assignments	20.14/25	Proctored Exam	53.06/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **11095**

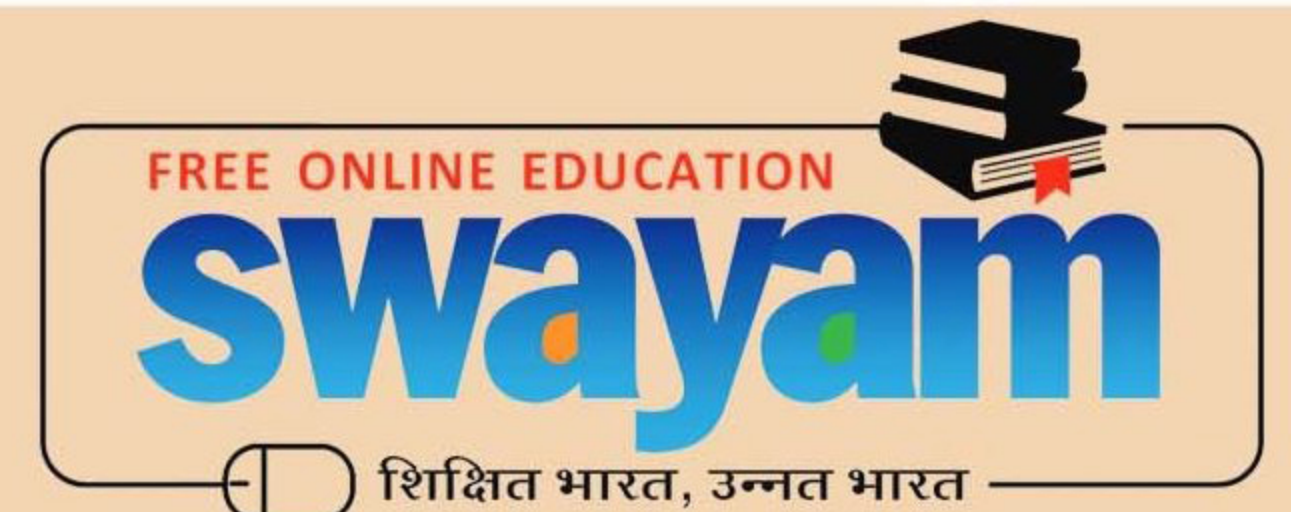
**Prof. Kishore Kothapalli**  
Professor and Dean (Academics)  
IIT Hyderabad

**Jan-Apr 2024**  
**(12 week course)**

**Prof. Andrew Thangaraj**  
NPTEL, Coordinator  
IIT Madras



International Institute of Information Technology, Hyderabad



Roll No: NPTEL24CS04S1255100043

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SUBHAM SAMANTA**

for successfully completing the course

**Programming in Java**

with a consolidated score of **64** %

Online Assignments	25/25	Proctored Exam	39.29/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

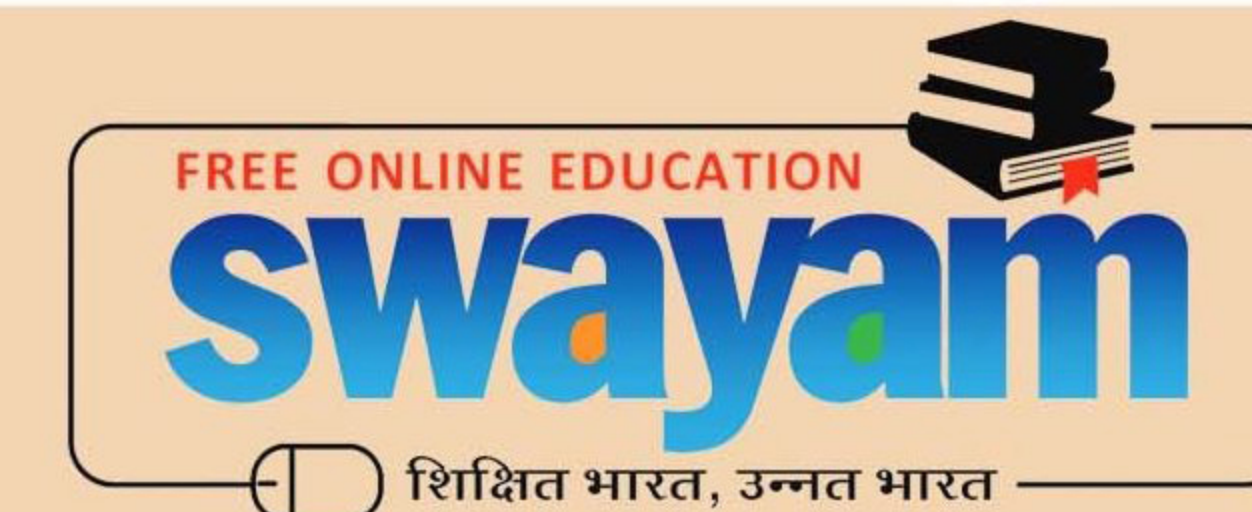
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S1055100105

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



*This certificate is awarded to*

**SHIBAJIT CHATTERJEE**

*for successfully completing the course*

## **Embedded System Design with ARM**

*with a consolidated score of* **51** %

<b>Online Assignments</b>	<b>16.08/25</b>	<b>Proctored Exam</b>	<b>34.5/75</b>
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*Total number of candidates certified in this course:* **341**

**Jan-Mar 2024**

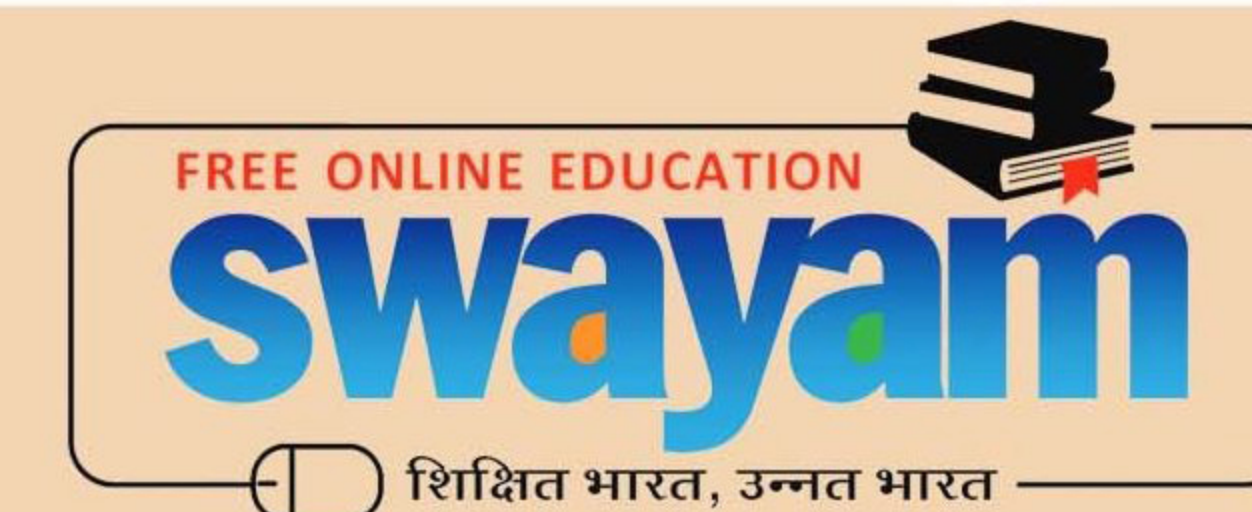
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS24S359600022

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

**SHIBAJIT CHATTERJEE**

for successfully completing the course

**AI in Marketing**

with a consolidated score of **55** %

Online Assignments	20/25	Proctored Exam	34.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **3388**

**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



Roll No: NPTEL24MG05S1055100115

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHILADITYA SAHA**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **63** %

Online Assignments	23.53/25	Proctored Exam	39/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

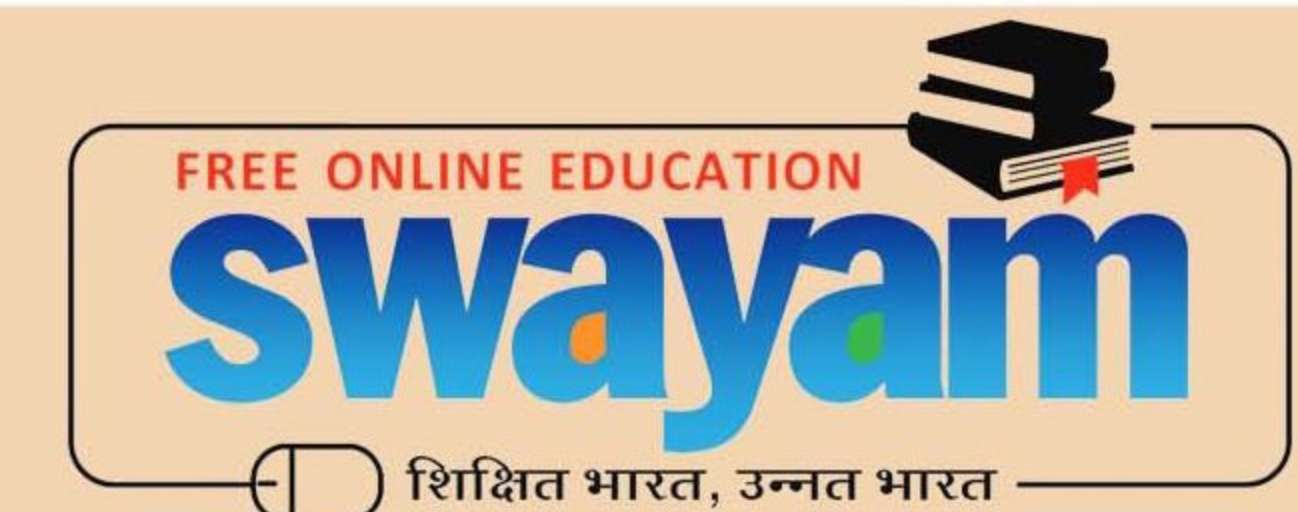
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100108

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SK SHOYEB**

for successfully completing the course

**Data Analytics with Python**

with a consolidated score of **52** %

Online Assignments	22.44/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **11220**

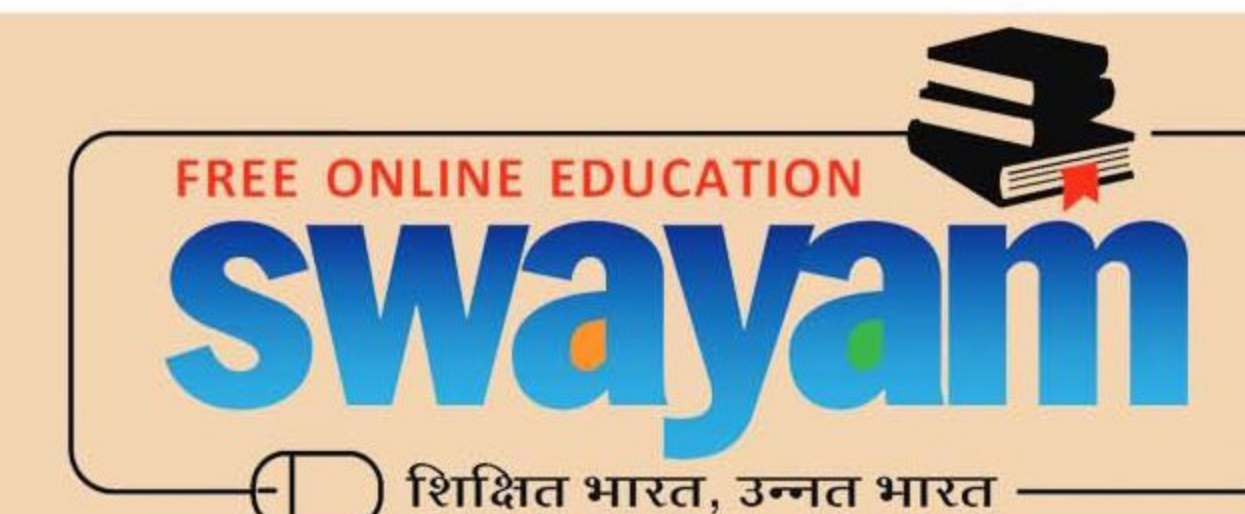
**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

**Jan-Apr 2024**  
**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CS20S955100062

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SK SHOYEB**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **68** %

Online Assignments	23.03/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

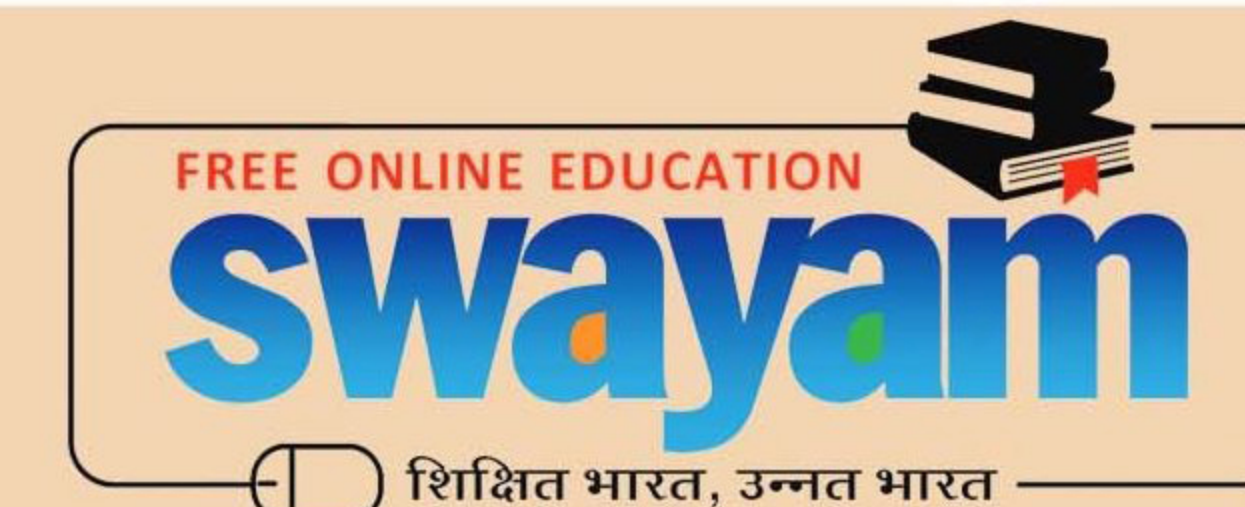
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100110

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHRITI KARMAKAR**

for successfully completing the course

**Business Intelligence & Analytics**

with a consolidated score of **54** %

Online Assignments	24.1/25	Proctored Exam	30/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **1148**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

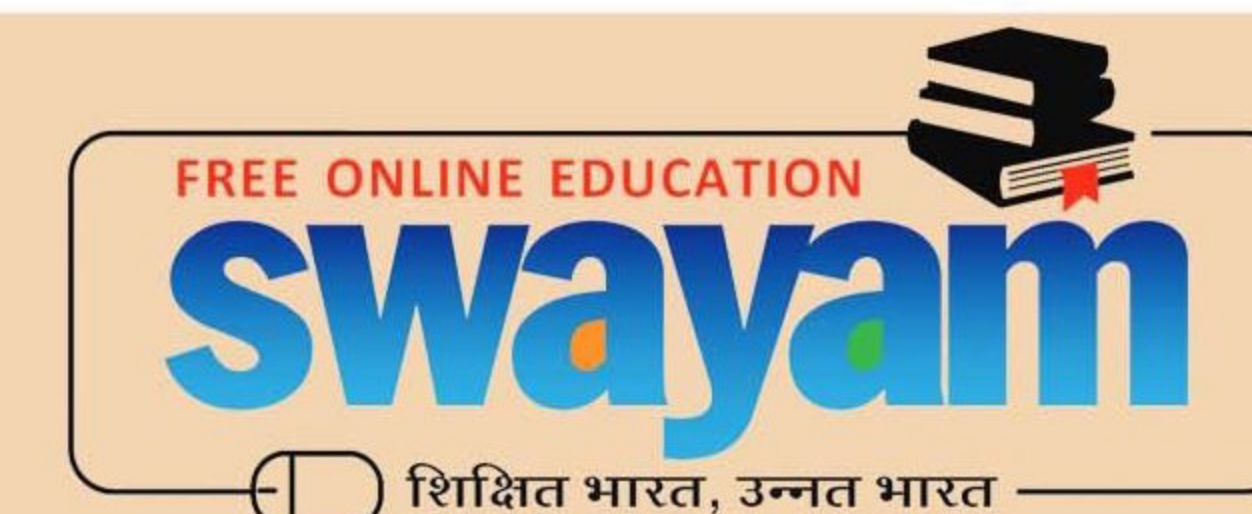
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS65S1055100112

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHRUTI SHREYA**

for successfully completing the course

**Programming in Java**

with a consolidated score of **69** %

Online Assignments	25/25	Proctored Exam	43.88/75
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Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

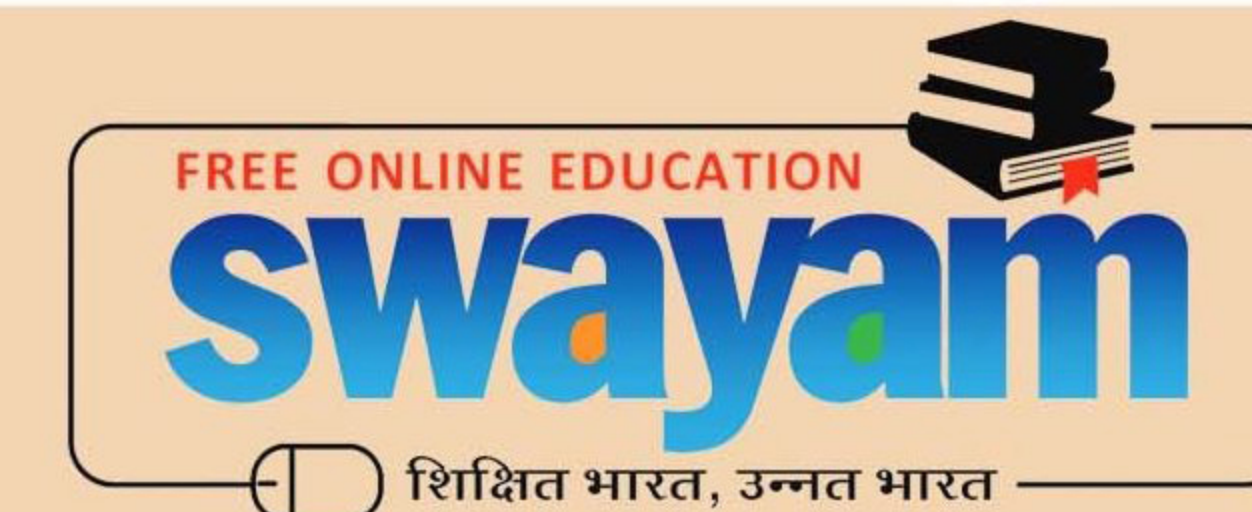
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S1054400128

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SOUMILI DAS**

for successfully completing the course

**Programming in Java**

with a consolidated score of **61** %

Online Assignments	25/25	Proctored Exam	36.23/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

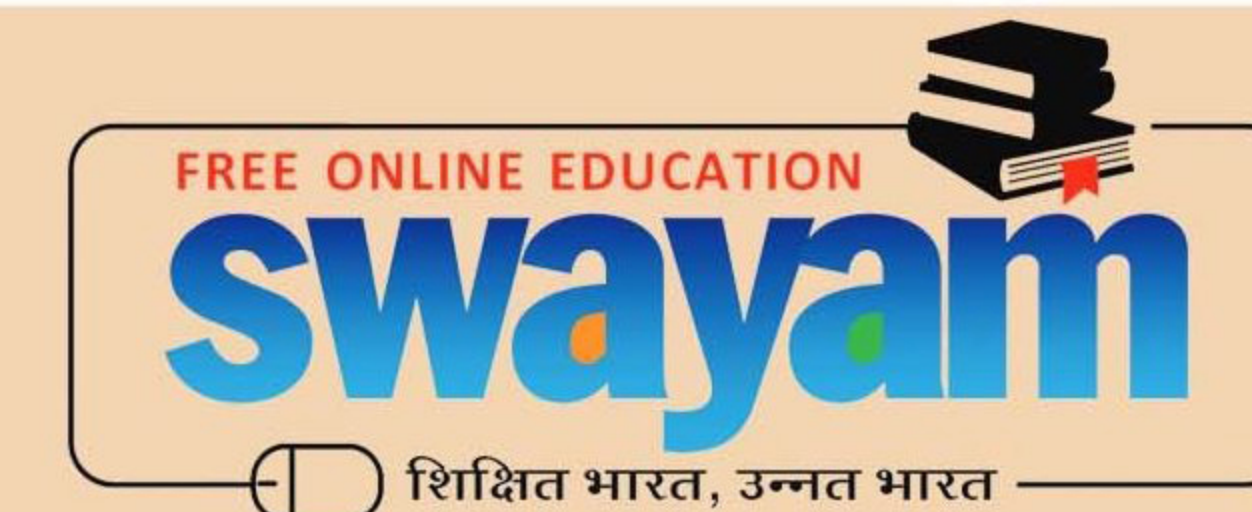
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S1055100123

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SOUMYADEEP SAREN**

for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **73** %

Online Assignments	20.63/25	Proctored Exam	52.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **32882**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS35S655100073

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SOUVIK GANGULY**

for successfully completing the course

**Reinforcement Learning**

with a consolidated score of **60** %

Online Assignments	24.6/25	Proctored Exam	35.5/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **593**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

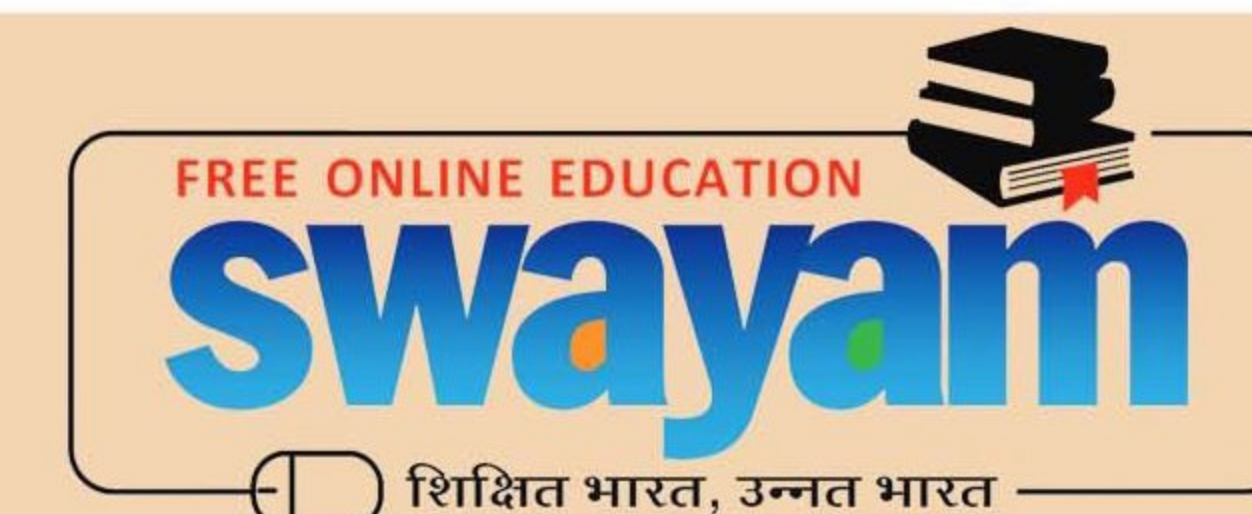
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS52S555100048

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**SUBHAJIT BHATTACHARYA**  
for successfully completing the course



**Wheeled Mobile Robots**

with a consolidated score of **86** %

Online Assignments	22.75/25	Proctored Exam	63.47/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **179**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Mar 2024**

**(8 week course)**

*Prof. Andrew Thangaraj*

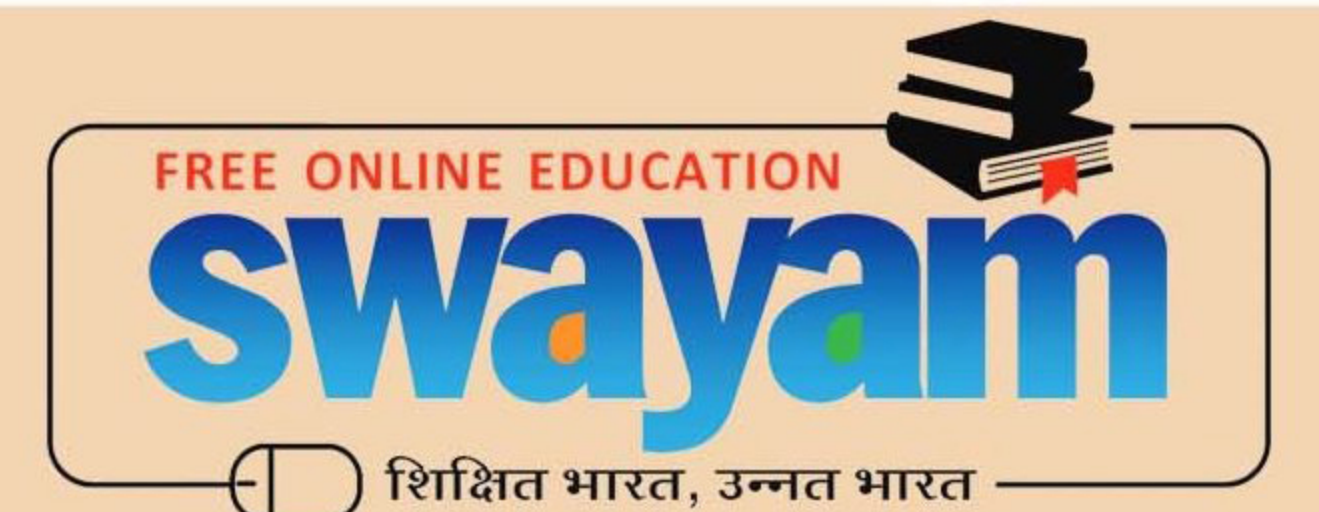
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24ME67S559600064

To verify the certificate



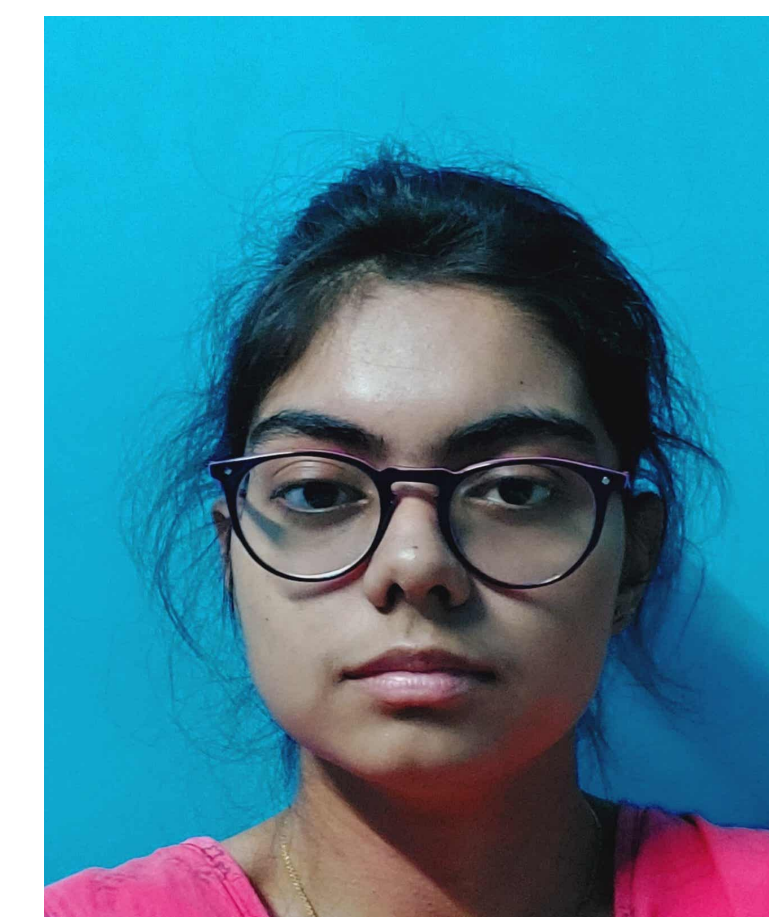
No. of credits recommended: 2 or 3





# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SUDIPTA GORAI**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **51** %

Online Assignments	15.1/25	Proctored Exam	36/75
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Total number of candidates certified in this course: **12432**

**Prof. Devendra Jaliha**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

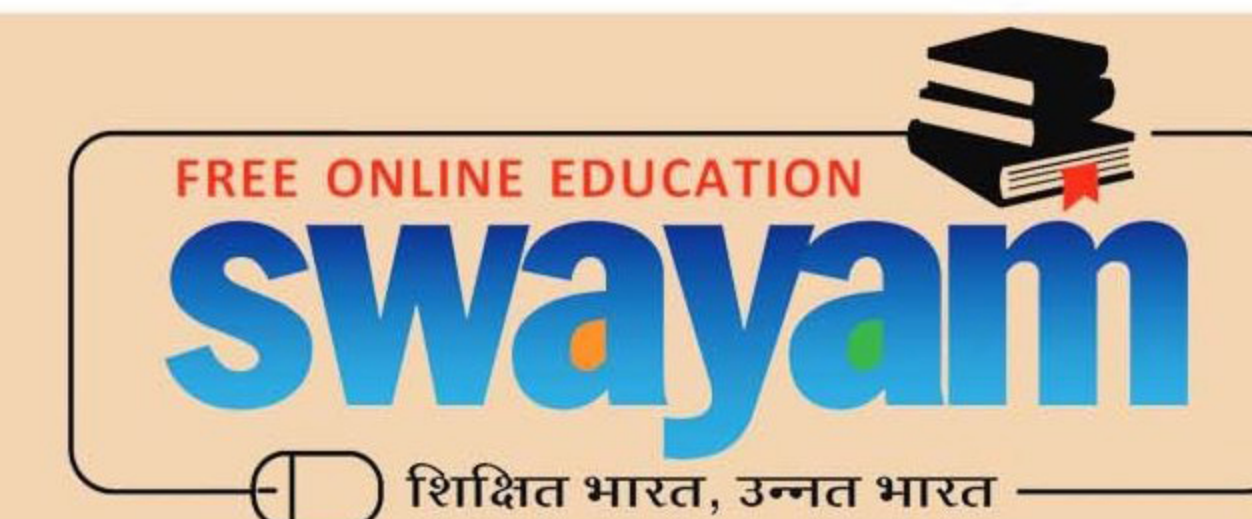
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS57S655100087

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**VARAD SANJAY PAWAR**  
for successfully completing the course

**Deep Learning**



with a consolidated score of **79** %

Online Assignments	24.03/25	Proctored Exam	55.1/75
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Total number of candidates certified in this course: **1796**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Prof. Andrew Thangaraj*

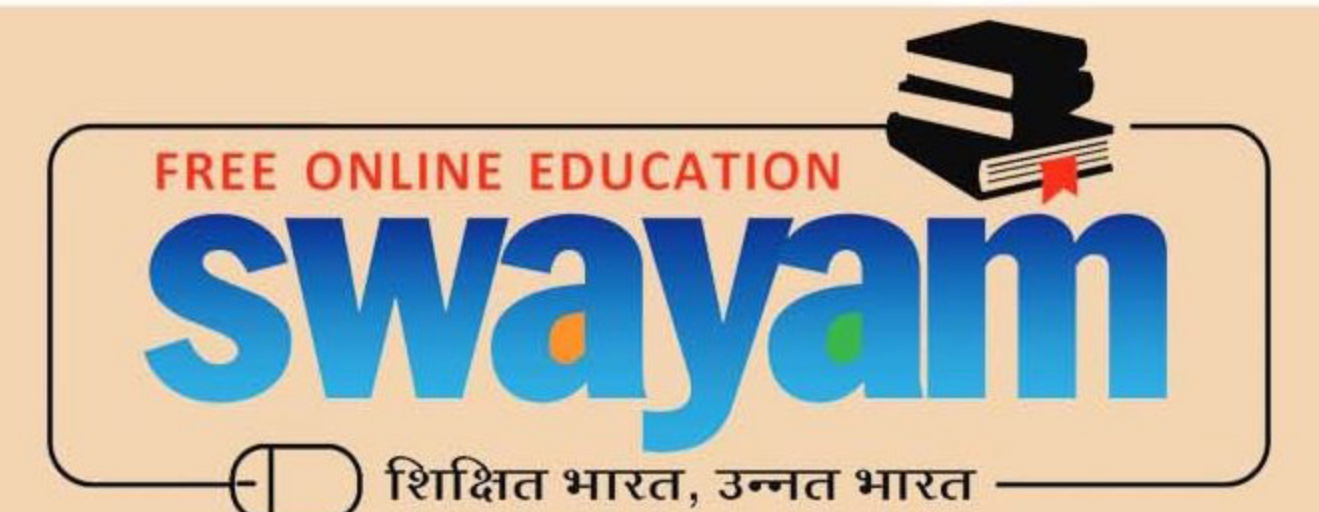
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS59S1255100052

To verify the certificate



No. of credits recommended: 3 or 4





Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VISHAL SHARMA**

for successfully completing the course

**Programming in Java**

with a consolidated score of **61** %

Online Assignments	20.81/25	Proctored Exam	40.56/75
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Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

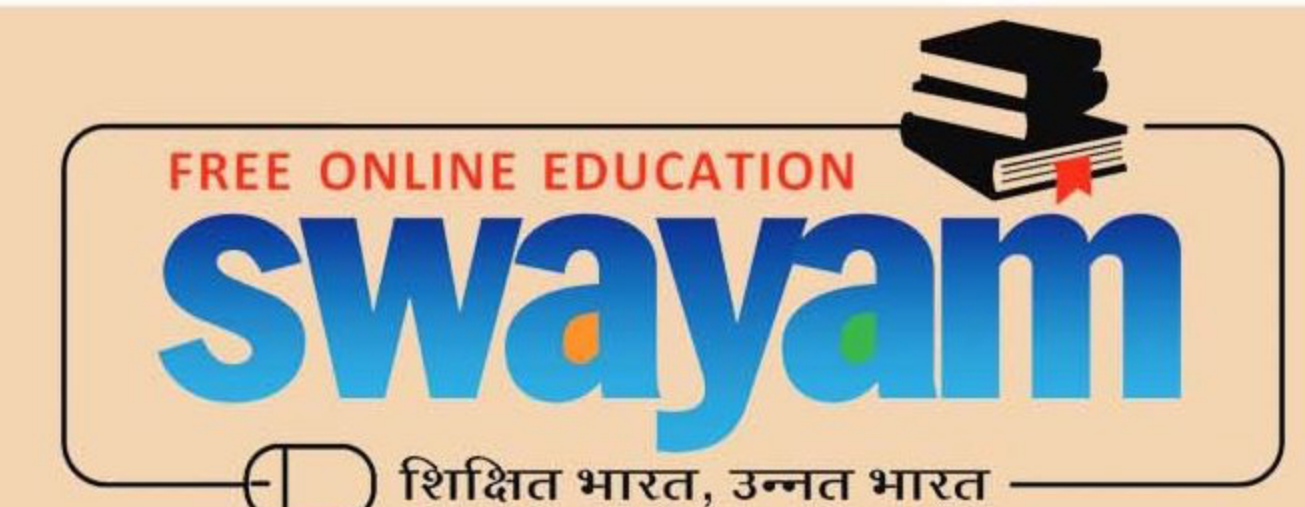
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S1055100141

To verify the certificate



No. of credits recommended: 3 or 4