



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**ARUN G**

for successfully completing the course

## Sensors and Actuators

with a consolidated score of **56** %

|                    |          |                |         |
|--------------------|----------|----------------|---------|
| Online Assignments | 18.44/25 | Proctored Exam | 37.5/75 |
|--------------------|----------|----------------|---------|

Total number of candidates certified in this course: **1232**

**Prof. G. L. Sivakumar Babu**  
Chairman, Center for Continuing Education  
IISc Bangalore

**Jan-Apr 2023**

**(12 week course)**

**Prof. L. Umanand**  
NPTEL Coordinator  
IISc Bangalore



Indian Institute of Science Bangalore



Roll No: NPTEL23EE66S64810174

To validate 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

**INTHUMATHI S**

for successfully completing the course



## Introduction to Internet of Things

with a consolidated score of **78** %

|                    |          |                |       |
|--------------------|----------|----------------|-------|
| Online Assignments | 23.75/25 | Proctored Exam | 54/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **14770**

Jan-Apr 2023

(12 week course)

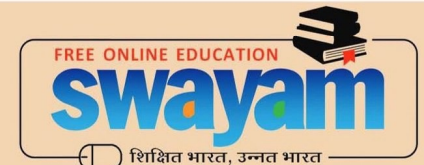
**Prof. Debjani Chakraborty**

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS51S23340674

To validate 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

**S SATHISH**

for successfully completing the course

## Soft Nano Technology

with a consolidated score of **64** %

|                    |         |                |         |
|--------------------|---------|----------------|---------|
| Online Assignments | 17.5/25 | Proctored Exam | 46.5/75 |
|--------------------|---------|----------------|---------|

Total number of candidates certified in this course: **30**

Jan-Mar 2023

(8 week course)

**Prof. Debjani Chakraborty**

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CH19S44335620

To validate 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  
**POORNA REKHA B**  
for successfully completing the course

## Linear Algebra

with a consolidated score of **81** %

|                    |          |                |       |
|--------------------|----------|----------------|-------|
| Online Assignments | 18.41/25 | Proctored Exam | 63/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **39**

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2023**

**(12 week course)**

**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23MA03S53354939

To validate 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

**RAJAN M S**

for successfully completing the course

## NBA Accreditation and Teaching and Learning in Engineering (NATE)

with a consolidated score of **77** %

|                    |          |                |          |
|--------------------|----------|----------------|----------|
| Online Assignments | 23.72/25 | Proctored Exam | 53.25/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **914**

**Prof. G. L. Sivakumar Babu**  
Chairman, Center for Continuing Education  
IISc Bangalore

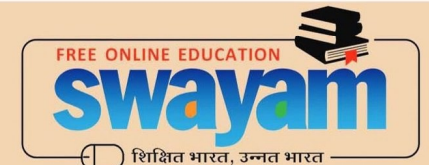
**Jan-Apr 2023**

**(12 week course)**

**Prof. L. Umanand**  
NPTEL Coordinator  
IISc Bangalore



Indian Institute of Science Bangalore



Roll No: NPTEL23GE01S53354964

To validate 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  
**BHUVANESWARI RAJA**  
for successfully completing the course

## Linear Algebra

with a consolidated score of **66** %

|                    |          |                |       |
|--------------------|----------|----------------|-------|
| Online Assignments | 17.88/25 | Proctored Exam | 48/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **39**

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Apr 2023**

**(12 week course)**

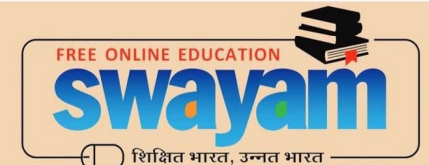
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23MA03S53356937

To validate the certificate



No. of credits recommended: 3 or 4





TOPPER

Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SYLVIA ELIZABETH S**

for successfully completing the course

## Computational Mathematics with SageMath

with a consolidated score of **77** %

|                    |          |                |          |
|--------------------|----------|----------------|----------|
| Online Assignments | 21.06/25 | Proctored Exam | 56.25/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **42**

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

Jan-Apr 2023

(12 week course)

**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23MA16S33356360

To validate the certificate



No. of credits recommended: 3 or 4



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**VIVEKANAND E**

for successfully completing the course

## Introduction to Machine Learning (Tamil)

with a consolidated score of **46** %

|                    |          |                |          |
|--------------------|----------|----------------|----------|
| Online Assignments | 15.21/25 | Proctored Exam | 30.75/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **223**

**Prof. Devendra Jalihal**

Chairperson,

Centre for Outreach and Digital Education, IITM

**Jan-Mar 2023**

**(8 week course)**

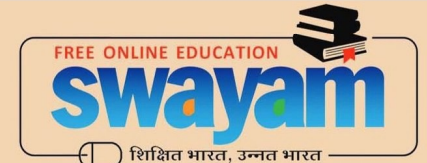
**Prof. Andrew Thangaraj**

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS33S34341292

To validate 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  
**ZUNAITHUR RAHMAN D**  
for successfully completing the course



## Introduction to Internet of Things

with a consolidated score of **84** %

|                    |          |                |          |
|--------------------|----------|----------------|----------|
| Online Assignments | 24.16/25 | Proctored Exam | 59.38/75 |
|--------------------|----------|----------------|----------|

Total number of candidates certified in this course: **14770**

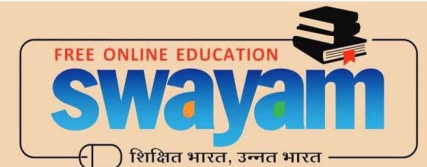
Jan-Apr 2023

(12 week course)

**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS51S13348853

To validate 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  
**ZUNAITHUR RAHMAN D**  
for successfully completing the course



## NBA Accreditation and Teaching and Learning in Engineering (NATE)

with a consolidated score of **76** %

|                    |         |                |          |
|--------------------|---------|----------------|----------|
| Online Assignments | 23.1/25 | Proctored Exam | 53.25/75 |
|--------------------|---------|----------------|----------|

Total number of candidates certified in this course: **914**

**Prof. G. L. Sivakumar Babu**  
Chairman, Center for Continuing Education  
IISc Bangalore

Jan-Apr 2023

(12 week course)

**Prof. L. Umanand**  
NPTEL Coordinator  
IISc Bangalore



Indian Institute of Science Bangalore



Roll No: NPTEL23GE01S53356420

To validate the certificate



No. of credits recommended: 3 or 4



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**A MOHAMED MYDEEN**  
for successfully completing the course

## Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of **52** %

|                    |          |                |       |
|--------------------|----------|----------------|-------|
| Online Assignments | 13.13/25 | Proctored Exam | 39/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **7689**

Jan-Apr 2023  
(12 week course)

**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS52S23340901

To validate the certificate



No. of credits recommended: 3 or 4