

21.02.2024

From  
Dr. E. K. Mohanraj, PhD  
Dean (Academics)  
Nandha Engineering College, Erode

To  
The Principal  
Nandha Engineering College, Erode

Respected Sir,

Subject: Financial Reimbursement of NPTEL Course - July to December 2023 - reg.

During the academic year 2023-24 (Odd Semester), 78 faculty members have completed NPTEL online courses with different grades.

No. of faculty members with $\geq 60\%$ (Elite, Elite + Silver & Elite + Gold)	53	100% reimbursement	Rs.57,500/-
No. of faculty members with $\leq 60\%$ (Successfully Completed)	25	50% reimbursement	Rs.12,250/-
Total			Rs.69,750/-

It is requested that a financial reimbursement of Rs.69,750/- (Rupees sixty nine thousand seven hundred and fifty only) as their exam fees. may be granted.

Thank You,

Submitted to Secretary/NEI:

Recommended to grant for this time.

From next semester onwards only  $\geq 60\%$ .

Teachers may be granted with financial support.

Principal

Secretary

Yours faithfully,

S. K. <sup>2</sup>  
28/2/24

NANDHA ENGINEERING COLLEGE, ERODE -638 052

Above  
₹ 20,000/-

(Autonomous)

NEC/IQAC/2h/  
Rev.0.27.03.2024

(A) Faculty Programme / Career Development / etc.

(B) Other Official Programmes Approval Form

Proposal tracking No:	NEC/2023-24/NPTEL/D1
Dept. Ref. No:	C.VIL/2023-24/NPTEL
Date 14.06.2024	

Name: DR. EKMOMANIKAJ	Designation: Deans (Academic)
Department: CIVIL ENGINE	Amount: ₹. 82,500/-

A.

Programme	: Conference / Seminar / Workshop / Short -Term Course / Winter School / Summer School / FDP / Internship / Others (specify) NPTEL
Title of the Programme	: NPTEL - SWAYAM Online Course
Programme organized by	: IITM, Chennai
Venue	: -
Date	: From Jan To April No. of Days: 12 weeks
Level	: State Level / National Level / International Level
Source	: NEC / Own Expenses / Other funding agencies (specify)

B. Budget Control Faculty Developmental Activities .

Budget sanctioned 20 - 20	: ₹.
Amount already spent	: ₹.
Balance Amount	: ₹.
Amount required	: ₹. 82,500/- (List Enclosed)
Net Balance	: ₹.

Reimbursement of Amount from the Organizer , if any: ₹. —

Expenditure

Details	Proposed Amount	Remarks
NPTEL Exam Fees		
Reimbursement	₹ 82,500/-	
Total	₹ 82,500/-	

Faculty  
14/06/24

HOD  
14/06/24

A.O  
14/06/24

Principal  
14/06/24

S.T  
Secretary  
23/6/24



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**CHANDRAMOHAN V**

for successfully completing the course

## Fundamentals of Manufacturing Processes

with a consolidated score of **67** %

Online Assignments	14.38/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: **520**

**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: NPTEL23ME131S835401209

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

**DR SUVAIN K K**

for successfully completing the course

**Advanced Aquaculture Technology**

with a consolidated score of **83** %

Online Assignments	23.44/25	Proctored Exam	60/75
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Total number of candidates certified in this course: **415**



**Jul-Oct 2023**

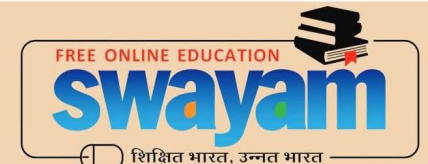
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23AG11S535401657

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

**PRIYANKA A**

for successfully completing the course

## Organic Farming for Sustainable Agricultural Production

with a consolidated score of **72** %

Online Assignments	22.92/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **1057**

**Jul-Sep 2023**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23AG08S45380806

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

**PRADEEP KUMAR K**

for successfully completing the course

**Energy Conversion Technologies (Biomass and Coal)**

with a consolidated score of **52** %

Online Assignments	19.04/25	Proctored Exam	33/75
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Total number of candidates certified in this course: **183**

**Jul-Sep 2023**

**(8 week course)**

**Prof. T. V. Bharat**

Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL23CH76S35380914

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

**BRAGADEESWARAN T**

for successfully completing the course

## Introduction to Civil Engineering Profession

with a consolidated score of **62** %

Online Assignments	23.33/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **1945**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Mar 2024**

**(8 week course)**

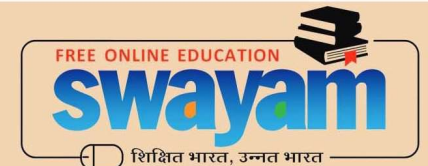
*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CE45S453900259

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

**DR KOMALABHARATHI P**

for successfully completing the course

**Biomass Conversion and Biorefinery**

with a consolidated score of **82** %

Online Assignments	23.13/25	Proctored Exam	58.5/75
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Total number of candidates certified in this course: **759**

**Jan-Apr 2024**

**(12 week course)**

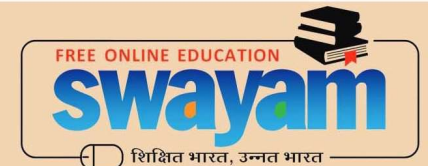


**Prof. T. V. Bharat**

Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL24CH07S1055400480

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

**DR SUVAIN K K**

for successfully completing the course

**Forests and their Management**

with a consolidated score of **98** %



Online Assignments	24.38/25	Proctored Exam	73.5/75
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Total number of candidates certified in this course: **20306**

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

Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Apr 2024**

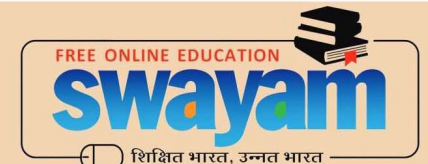
**(12 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24BT23S955400259

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

**PRASANTH M**

for successfully completing the course

**Forests and their Management**

with a consolidated score of **67** %

Online Assignments	24.69/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **20306**

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

Chairman, Centre for Continuing Education  
IIT Kanpur

**Jan-Apr 2024**

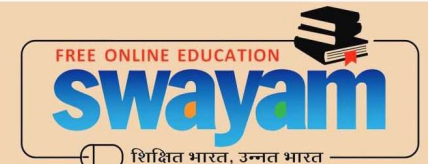
**(12 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24BT23S1055400569

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

**PARVATHI**

for successfully completing the course

**Foundation of Cloud IoT Edge ML**

with a consolidated score of **67** %

Online Assignments	22.08/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **3022**

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

Chairman, Centre for Continuing Education  
IIT Kanpur

**Feb-Apr 2024**

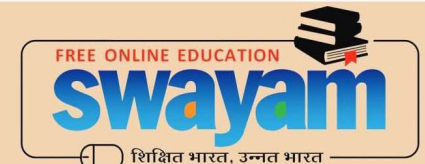
**(8 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24CS26S555400043

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

**THIVYABRABHA**

for successfully completing the course

**Biophotonics**



with a consolidated score of **76** %

Online Assignments	23.44/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: **393**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24GE11S1155400224

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

**SARANYA C**

for successfully completing the course

**Biophotonics**



with a consolidated score of **78** %

Online Assignments	23.75/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **393**

**Jan-Apr 2024**

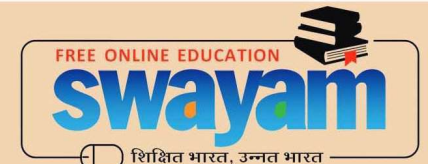
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24GE11S1255400342

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

**SRITHAR A**

for successfully completing the course

## Entrepreneurship Essentials

with a consolidated score of **60** %

Online Assignments	23.13/25	Proctored Exam	37.34/75
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Total number of candidates certified in this course: **2100**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24GE15S355400354

To verify the certificate



No. of credits recommended: 3 or 4



# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**SHANKAR R**

for successfully completing the course

**Training and Development**

with a consolidated score of **68 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jan-Apr 2024)

Roll No: NPTEL24HS12S1155401225

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 16<sup>th</sup> Nov, 2023, similar to other refresher / orientation courses.

F.No. AICTE / RIFD / FDP through MOOCs / 2023



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DR M DHIPA**

for successfully completing the course

**Computer Networks and Internet Protocol**

with a consolidated score of **83** %

Online Assignments	24.69/25	Proctored Exam	57.81/75
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Total number of candidates certified in this course: **9310**

**Jan-Apr 2024**

**(12 week course)**

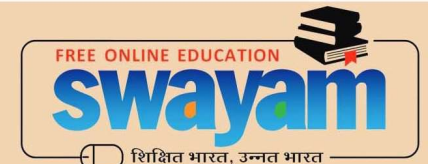


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



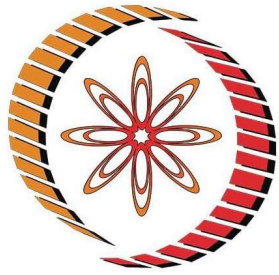
Roll No: NPTEL24CS19S455400626

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

**DR JAYAKUMAR T**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **79** %

Online Assignments	25/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **32882**

**Jan-Apr 2024**

**(12 week course)**

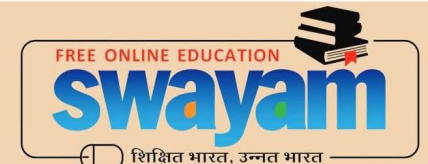


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur

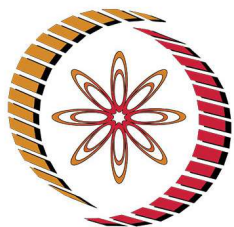


Roll No: NPTEL24CS35S655400529

To verify the certificate



No. of credits recommended: 3 or 4



# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



*This certificate is awarded to*

**SOWPARNIKA B**

*for successfully completing the course*

**Medical Image Analysis**

*with a consolidated score of 55 %*

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jul-Oct 2023)

Roll No: NPTEL23BT40S535401393

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.

F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**AMARNATH PRABHAKARAN A**  
for successfully completing the course  
**Cyber Security and Privacy**

with a consolidated score of **56** %

Online Assignments	24.03/25	Proctored Exam	32.25/75
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Total number of candidates certified in this course: **6011**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairperson,  
Centre for Outreach and Digital Education, IITM

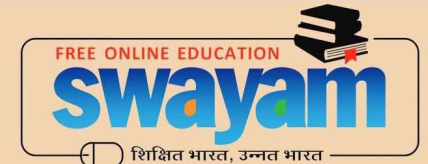
**Jul-Oct 2023**  
**(12 week course)**

*Prof. Andrew Thangaraj*

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



Indian Institute of Technology Madras

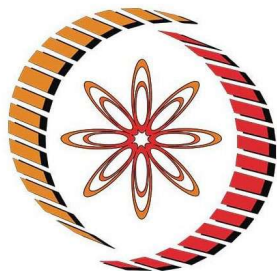


Roll No: NPTEL23CS127S635400955

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

**SRITHAR A**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **75** %

Online Assignments	24.81/25	Proctored Exam	50.25/75
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Total number of candidates certified in this course: **3857**



**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur

**Jul-Oct 2023**

**(12 week course)**



Indian Institute of Technology Kharagpur



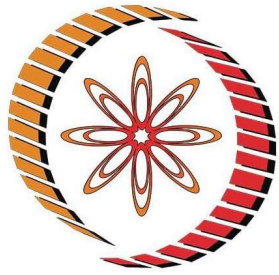
Roll No: NPTEL23CS121S33541849

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  
**AMARNATH PRABHAKARAN A**  
for successfully completing the course

## Demystifying Networking

with a consolidated score of **71** %

Online Assignments	22.5/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **649**

**Jul-Aug 2023**

**(4 week course)**

**Prof. Sridhar Iyer**  
Head CDEEP & NPTEL Coordinator  
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL23CS124S45381291

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

**M C JAWAHAR**

for successfully completing the course

## Technologies for Clean and Renewable Energy Production

with a consolidated score of **64** %

Online Assignments	25/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **579**

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

**Jul-Sep 2023**

**(8 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL23CH73S45381014

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

**K RAJASEKARAN**

for successfully completing the course



**Technologies for Clean and Renewable Energy Production**

with a consolidated score of **90** %

Online Assignments	24.58/25	Proctored Exam	65.5/75
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Total number of candidates certified in this course: **579**

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

**Jul-Sep 2023**

**(8 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL23CH73S35381498

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

**PANDIARAJAN S**

for successfully completing the course

**Petroleum Technology**

with a consolidated score of **57** %

Online Assignments	22.63/25	Proctored Exam	34.5/75
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Total number of candidates certified in this course: **102**

**Jul-Sep 2023**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



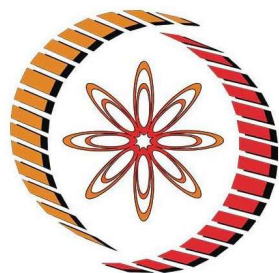
Roll No: NPTEL23CH64S35380900

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

**K RAJASEKARAN**

for successfully completing the course

**Waste to Energy Conversion**



with a consolidated score of **78** %

Online Assignments	24.54/25	Proctored Exam	53.57/75
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Total number of candidates certified in this course: **924**

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

**Jan-Mar 2024**

**(8 week course)**

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



Indian Institute of Technology Roorkee

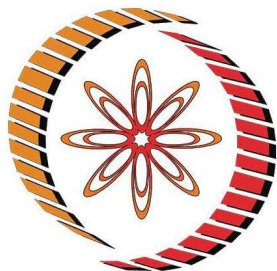


Roll No: NPTEL24CH29S353900297

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

**M MYILSAMY**

for successfully completing the course

**Waste to Energy Conversion**

with a consolidated score of **64** %

Online Assignments	22.46/25	Proctored Exam	41.33/75
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Total number of candidates certified in this course: **924**

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

**Jan-Mar 2024**

**(8 week course)**

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



Indian Institute of Technology Roorkee

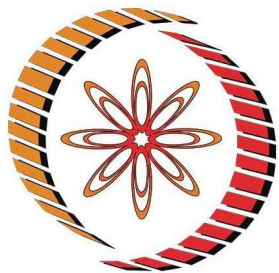


Roll No: NPTEL24CH29S353900270

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

**M VIJAYALAKSHMI**

for successfully completing the course

**Waste to Energy Conversion**

with a consolidated score of **60** %

Online Assignments	23.71/25	Proctored Exam	36.21/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **924**

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

**Jan-Mar 2024**

**(8 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CH29S353900369

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

**N SANTHIYA**

for successfully completing the course

**Waste to Energy Conversion**

with a consolidated score of **66** %

Online Assignments	23.33/25	Proctored Exam	42.86/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **924**

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

**Jan-Mar 2024**

**(8 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CH29S353900306

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

**YESWANTH M**

for successfully completing the course

## Municipal Solid Waste Management

with a consolidated score of **71** %

Online Assignments	23.78/25	Proctored Exam	47/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2597**

**Jul-Oct 2023**

**(12 week course)**

**Prof. T. V. Bharat**

Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL23CE66S735400820

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*

**K C DENESH**

*for successfully completing the course*

## Design of Connections in Steel Structures

*with a consolidated score of* **50** %

<i>Online Assignments</i>	<b>18.33/25</b>	<i>Proctored Exam</i>	<b>31.5/75</b>
---------------------------	-----------------	-----------------------	----------------

*Total number of candidates certified in this course:* **70**

**Prof. B Umashankar**

Chairperson, Centre for Continued Education (CCE)  
IIT Hyderabad

**Aug-Sep 2023**

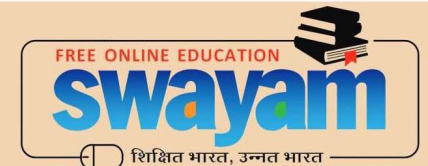
**(4 week course)**

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Hyderabad



Roll No: NPTEL23CE58S635400958

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

**K C DENESH**

for successfully completing the course

## Municipal Solid Waste Management

with a consolidated score of **58** %

Online Assignments	24.19/25	Proctored Exam	34/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2597**

**Jul-Oct 2023**

**(12 week course)**

**Prof. T. V. Bharat**

Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL23CE66S835400400

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

**ARAVIND V**

for successfully completing the course

## Maintenance and Repair of Concrete Structures

with a consolidated score of **60** %

Online Assignments	25/25	Proctored Exam	35.25/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **790**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

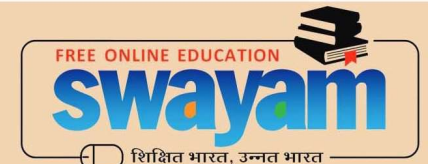
*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CE22S455400577

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

**K L RAVISANKAR**

for successfully completing the course

**NBA Accreditation and Teaching-Learning in  
Engineering (NATE)**

with a consolidated score of **75** %



Online Assignments	24.38/25	Proctored Exam	50.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1337**

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

**Jan-Apr 2024**

**(12 week course)**

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



Indian Institute of Science Bangalore



Roll No: NPTEL24GE07S1155400102

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

**K L RAVISANKAR**

for successfully completing the course

## Maintenance and Repair of Concrete Structures

with a consolidated score of **65** %

Online Assignments	25/25	Proctored Exam	40.31/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **790**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CE22S355400368

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

**MANI KANDHAN KU**

for successfully completing the course

**Concrete Technology**

with a consolidated score of **65** %

Online Assignments	20.97/25	Proctored Exam	44.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **622**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras

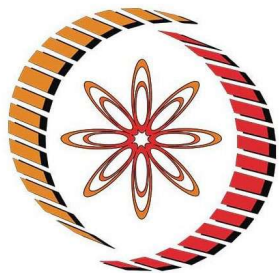


Roll No: NPTEL24CE46S1055400583

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

**MOHANRAJ E K**

for successfully completing the course

**NBA Accreditation and Teaching-Learning in**

**Engineering (NATE)**

with a consolidated score of **65** %

Online Assignments	24.06/25	Proctored Exam	41.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1337**

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

**Jan-Apr 2024**

**(12 week course)**

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



Indian Institute of Science Bangalore



Roll No: NPTEL24GE07S1155400004

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

**SELVI K**

for successfully completing the course

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

with a consolidated score of **72** %

Online Assignments	24.38/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1337**

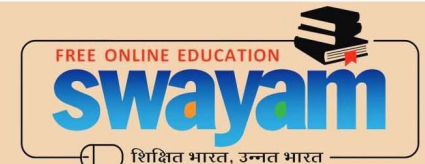
**Prof. G. L. Sivakumar Babu**  
Chairman, Center for Continuing Education  
IISc Bangalore

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

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



Indian Institute of Science Bangalore



Roll No: NPTEL24GE07S1155400130

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

**MANI C**

for successfully completing the course

**Programming in Java**

with a consolidated score of **69** %

Online Assignments	25/25	Proctored Exam	44.39/75
--------------------	-------	----------------	----------

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: NPTEL24CS43S1055400531

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

**SATHEESH KUMAR A**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **61** %

Online Assignments	21.19/25	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: NPTEL23CS121S33540498

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

**E PADMA**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **75** %

Online Assignments	24.56/25	Proctored Exam	50.25/75
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Total number of candidates certified in this course: **3857**



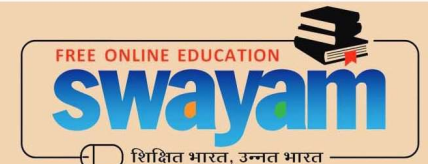
**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur

**Jul-Oct 2023**

**(12 week course)**



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S33540391

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

**VANATHI D**

for successfully completing the course

**Python for Data Science**

with a consolidated score of **63** %

Online Assignments	24.33/25	Proctored Exam	38.27/75
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Total number of candidates certified in this course: **11953**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Feb 2024**

**(4 week course)**

*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS54S553900092

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

**ESWARI K E**

for successfully completing the course

**Programming in Java**

with a consolidated score of **73** %

Online Assignments	25/25	Proctored Exam	48.22/75
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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: NPTEL24CS43S1055401689

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

**ESWARI K E**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **64** %

Online Assignments	24.94/25	Proctored Exam	39/75
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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: NPTEL23CS121S43541763

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

**ESWARI K E**

for successfully completing the course

**Python for Data Science**

with a consolidated score of **63** %

Online Assignments	23.75/25	Proctored Exam	39.1/75
--------------------	----------	----------------	---------

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

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jul-Aug 2023**

**(4 week course)**

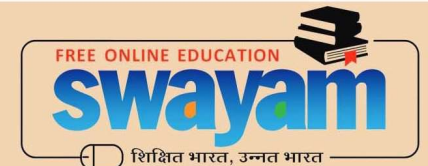
*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS99S45381018

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

**SUDHA G**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **60** %

Online Assignments	24.88/25	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

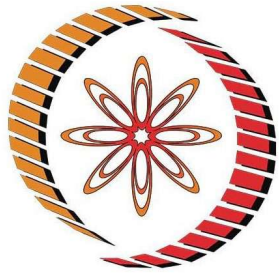


Roll No: NPTEL23CS121S33541859

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

**DR P SUKUMAR**

for successfully completing the course

**Introduction to Industry 4.0 and Industrial  
Internet of Things**

with a consolidated score of **80** %

Online Assignments	24.78/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **10498**

**Jan-Apr 2024**

**(12 week course)**

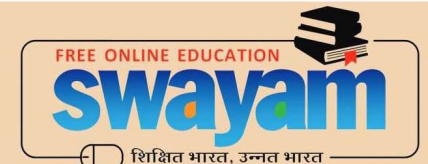


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS34S555400242

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

**DEVIKA P**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **68** %

Online Assignments	24.56/25	Proctored Exam	43.5/75
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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

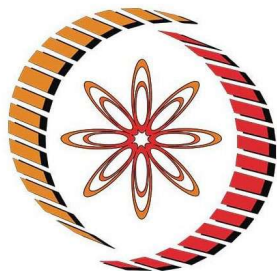


Roll No: NPTEL23CS121S43542112

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

**INDUMATHI N M**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **61** %

Online Assignments	24.88/25	Proctored Exam	36/75
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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



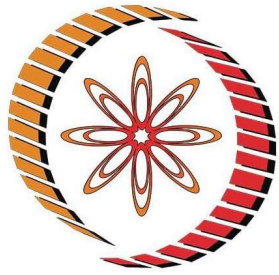
Roll No: NPTEL23CS121S43540222

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

**GEETHA S**

for successfully completing the course

**Research Methods in Health Promotion**

with a consolidated score of **90** %

Online Assignments	23.25/25	Proctored Exam	66.75/75
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Total number of candidates certified in this course: **366**



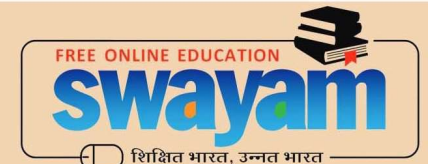
**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur

**Jul-Oct 2023**

**(12 week course)**



Indian Institute of Technology Kharagpur

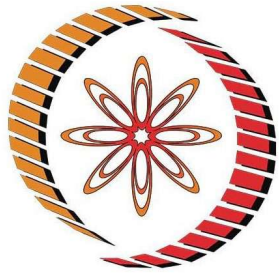


Roll No: NPTEL23GE28S835400552

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

**DEEPA B**

for successfully completing the course

**Research Methods in Health Promotion**

with a consolidated score of **92** %

Online Assignments	23.41/25	Proctored Exam	69/75
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Total number of candidates certified in this course: **366**



**Prof. Haimanti Banerji**

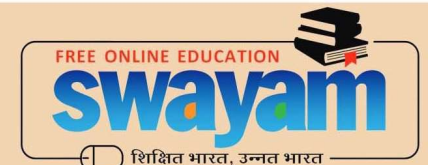
Coordinator, NPTEL  
IIT Kharagpur

**Jul-Oct 2023**

**(12 week course)**



Indian Institute of Technology Kharagpur



Roll No: NPTEL23GE28S835400377

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

**SHANMUGAPRIYA K**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **70** %

Online Assignments	24.88/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

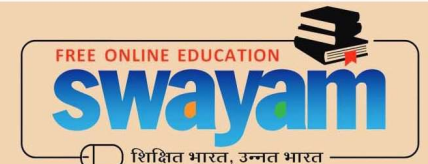
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S33542282

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

**PRABHU S**

for successfully completing the course

**Cloud Computing**

with a consolidated score of **63** %

Online Assignments	22.72/25	Proctored Exam	39.79/75
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Total number of candidates certified in this course: **23872**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS17S355400237

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

**PRABHU S**

for successfully completing the course

**Compiler Design**

with a consolidated score of **67** %

Online Assignments	21.88/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **658**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur

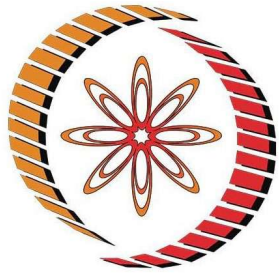


Roll No: NPTEL24CS18S955400148

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

**KRITHIKA S**

for successfully completing the course

**Programming in Java**

with a consolidated score of **75** %

Online Assignments	25/25	Proctored Exam	49.98/75
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Total number of candidates certified in this course: **14693**

**Jan-Apr 2024**

**(12 week course)**

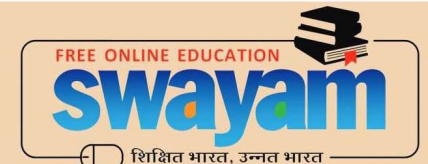


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S1055400495

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

**KRITHIKA S**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **70** %

Online Assignments	22/25	Proctored Exam	48/75
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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: NPTEL23CS121S43542147

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

**MANOTHINI P**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **80** %

Online Assignments	24.78/25	Proctored Exam	55.5/75
--------------------	----------	----------------	---------

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: NPTEL24CS35S555400037

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

**MAHESWARI S**

for successfully completing the course

**Data Science for Engineers**

with a consolidated score of **65** %

Online Assignments	23.83/25	Proctored Exam	41.36/75
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Total number of candidates certified in this course: **2868**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Mar 2024**

**(8 week course)**

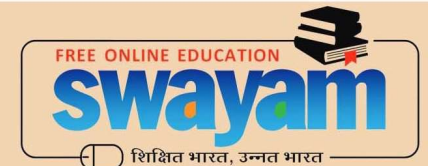
*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS53S553900099

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

**MAHESWARI S**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **85** %

Online Assignments	23.69/25	Proctored Exam	61.5/75
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Total number of candidates certified in this course: **32882**

**Jan-Apr 2024**

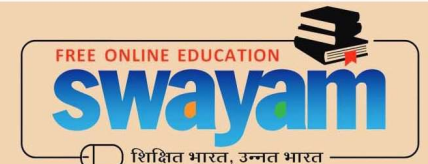
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur

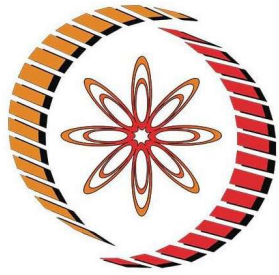


Roll No: NPTEL24CS35S555400017

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

**RAMESH SADHASIVAM**

for successfully completing the course

**Computer Networks and Internet Protocol**



with a consolidated score of **76** %

Online Assignments	21.5/25	Proctored Exam	54.69/75
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Total number of candidates certified in this course: **9310**

**Jan-Apr 2024**

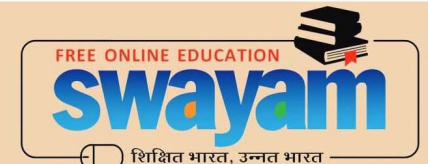
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS19S455400120

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

**DHAARANI T G**

for successfully completing the course



**Accreditation and Outcome Based Learning**

with a consolidated score of **90** %

Online Assignments	21.25/25	Proctored Exam	69/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1356**

**Aug-Oct 2023**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23GE46S735400224

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

**DR ARULANANTHAM D**

for successfully completing the course



**Accreditation and Outcome Based Learning**

with a consolidated score of **77** %

Online Assignments	17.38/25	Proctored Exam	59.54/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1356**

**Aug-Oct 2023**

**(8 week course)**

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23GE46S835400376

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

**JAYACHANDRAN T**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **63** %

Online Assignments	24.81/25	Proctored Exam	38.25/75
--------------------	----------	----------------	----------

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: NPTEL23CS121S43540231

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

**KOKILA P**

for successfully completing the course

**Accreditation and Outcome Based Learning**

with a consolidated score of **73** %

Online Assignments	18.21/25	Proctored Exam	54.9/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1356**

**Aug-Oct 2023**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23GE46S835400566

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

**C PRABHU**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **61** %

Online Assignments	22/25	Proctored Exam	39/75
--------------------	-------	----------------	-------

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: NPTEL23CS121S33541656

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

**LOGESWARI V**

for successfully completing the course

**Ethics in Engineering Practice**

with a consolidated score of **52** %

Online Assignments	14.58/25	Proctored Exam	37.5/75
--------------------	----------	----------------	---------

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: NPTEL23MG97S535400295

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

**R MONICA**

for successfully completing the course

## Introduction to Machine Learning (Tamil)

with a consolidated score of **47** %

Online Assignments	15.42/25	Proctored Exam	31.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: 287

**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: NPTEL23CS105S35380265

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

**NIJI P S**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **56** %

Online Assignments	24.75/25	Proctored Exam	30.75/75
--------------------	----------	----------------	----------

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: NPTEL23CS121S33540354

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  
**PRAVEEN SANTHOSHKUMAR G**  
for successfully completing the course

## Digital Circuits

with a consolidated score of **54** %

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

Total number of candidates certified in this course: **2526**

Jul-Oct 2023  
(12 week course)

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23EE115S535401131

To verify the certificate



No. of credits recommended: 3 or 4





# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**C PRABHU**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **63 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jan-Apr 2024)

Roll No: NPTEL24CS57S555400112

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 18<sup>th</sup> Nov, 2023, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2023



**Elite**

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**DR S KAVITHA**

for successfully completing the course

**Introduction to Internet of Things**



with a consolidated score of **76** %

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

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: NPTEL24CS35S655401588

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

**GUNASUNDARI V**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **85** %



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

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: NPTEL24CS35S655401591

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

**NIJI P S**

for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **67** %

Online Assignments	25/25	Proctored Exam	42/75
--------------------	-------	----------------	-------

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: NPTEL24CS35S555400069

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

**R MONICA**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **81** %

Online Assignments	25/25	Proctored Exam	55.5/75
--------------------	-------	----------------	---------

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: NPTEL24CS35S668900239

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  
**RATHANASABHAPATHY G**  
for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **65** %

Online Assignments	24.56/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

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: NPTEL24CS35S555400121

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

**S BRINDHA**

for successfully completing the course

**Introduction to Internet of Things**



with a consolidated score of **79** %

Online Assignments	21.88/25	Proctored Exam	57/75
--------------------	----------	----------------	-------

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: NPTEL24CS35S655400427

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

**SARANYA C**

for successfully completing the course

**Medical Image Analysis**



with a consolidated score of **79** %

Online Assignments	19.22/25	Proctored Exam	60/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **315**

**Prof. Devendra Jalihal**

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: NPTEL23BT40S635400378

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

**SARANYA C**

for successfully completing the course

**Biophotonics**



with a consolidated score of **78** %

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

Total number of candidates certified in this course: **393**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24GE11S1255400342

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

**RAMESH SADHASIVAM**

for successfully completing the course



## Problem Solving Through Programming in C

with a consolidated score of **76** %

Online Assignments	23.66/25	Proctored Exam	52.5/75
--------------------	----------	----------------	---------

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: NPTEL23CS121S43541524

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

**SARANYA C**

for successfully completing the course

**Medical Image Analysis**



with a consolidated score of **79** %

Online Assignments	19.22/25	Proctored Exam	60/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **315**

**Prof. Devendra Jalihal**

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: NPTEL23BT40S635400378

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

**SARANYA C**

for successfully completing the course

**Biophotonics**



with a consolidated score of **78** %

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

Total number of candidates certified in this course: **393**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24GE11S1255400342

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

**RAMESH SADHASIVAM**

for successfully completing the course



## Problem Solving Through Programming in C

with a consolidated score of **76** %

Online Assignments	23.66/25	Proctored Exam	52.5/75
--------------------	----------	----------------	---------

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: NPTEL23CS121S43541524

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

**SARANPRIYA R**

for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **69** %

Online Assignments	22.94/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

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: NPTEL23CS83S748800753

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

**MAHESWARI S**

for successfully completing the course

**Research Methods in Health Promotion**



with a consolidated score of **88** %

Online Assignments	23.41/25	Proctored Exam	64.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **366**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23GE28S735400120

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

**S KAVITHA**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **54** %

Online Assignments	24.19/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

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: NPTEL23CS121S33540522

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

**THIVYABRABHA**

for successfully completing the course

**Medical Image Analysis**



with a consolidated score of **83** %

Online Assignments	20.35/25	Proctored Exam	63/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **315**

**Prof. Devendra Jalihal**

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: NPTEL23BT40S535400234

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

**SIVASANKARI K**

for successfully completing the course

**Soft Skills**

with a consolidated score of **63** %

Online Assignments	19.22/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **11487**

**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: NPTEL23HS145S33542334

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

**MRS R SARANYA**

for successfully completing the course

## Privacy and Security in Online Social Media

with a consolidated score of **62** %

Online Assignments	22.04/25	Proctored Exam	40.31/75
--------------------	----------	----------------	----------

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: NPTEL24CS04S1155400141

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

**SARANPRIYA R**

for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **69** %

Online Assignments	22.94/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

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: NPTEL23CS83S748800753

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

**MAHESWARI S**

for successfully completing the course

**Research Methods in Health Promotion**



with a consolidated score of **88** %

Online Assignments	23.41/25	Proctored Exam	64.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **366**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23GE28S735400120

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

**MRS R SARANYA**

for successfully completing the course

## Privacy and Security in Online Social Media

with a consolidated score of **62** %

Online Assignments	22.04/25	Proctored Exam	40.31/75
--------------------	----------	----------------	----------

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: NPTEL24CS04S1155400141

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

**SIVASANKARI K**

for successfully completing the course

**Soft Skills**

with a consolidated score of **63** %

Online Assignments	19.22/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **11487**

**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: NPTEL23HS145S33542334

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

**S KAVITHA**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **54** %

Online Assignments	24.19/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

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: NPTEL23CS121S33540522

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

**THIVYABRABHA**

for successfully completing the course

**Medical Image Analysis**



with a consolidated score of **83** %

Online Assignments	20.35/25	Proctored Exam	63/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **315**

**Prof. Devendra Jalihal**

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

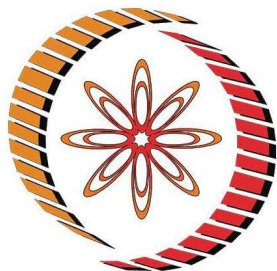


Roll No: NPTEL23BT40S535400234

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

**ARUN KUMAR V**

for successfully completing the course

## Smart Grid: Basics to Advanced Technologies

with a consolidated score of **66** %

Online Assignments	24.06/25	Proctored Exam	42/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1450**

**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

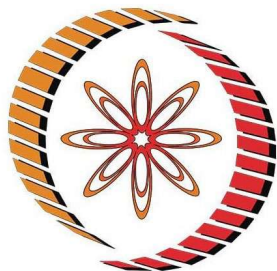


Roll No: NPTEL23EE124S835401665

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

**DR P JAMUNA**

for successfully completing the course

## Smart Grid: Basics to Advanced Technologies

with a consolidated score of **69** %

Online Assignments	24.06/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1450**

**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: NPTEL23EE124S735400266

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  
**KRISHNAGANDHI PACHIAPPAN**  
for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **85** %

Online Assignments	23.13/25	Proctored Exam	61.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **25880**



**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur

**Jul-Oct 2023**

**(12 week course)**



Indian Institute of Technology Kharagpur



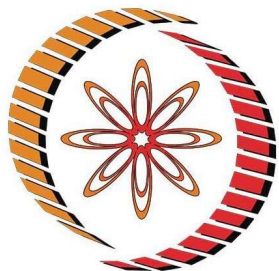
Roll No: NPTEL23CS83S33541787

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

**M MANJULA**

for successfully completing the course

## Smart Grid: Basics to Advanced Technologies

with a consolidated score of **60** %

Online Assignments	24.06/25	Proctored Exam	35.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1450**

**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: NPTEL23EE124S735400026

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  
**PRATHEEBA CHENNIAPPAN**  
for successfully completing the course



## Digital Circuits

with a consolidated score of **79** %

Online Assignments	24.78/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2526**

**Jul-Oct 2023**

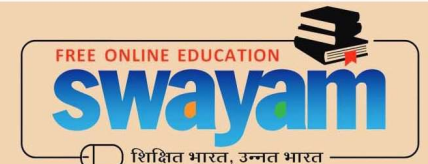
(12 week course)

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23EE115S535400659

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

**RAMANI G**

for successfully completing the course

**Digital Circuits**

with a consolidated score of **64** %

Online Assignments	24.56/25	Proctored Exam	39/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2526**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23EE115S535400083

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

**M PRABU**

for successfully completing the course

## Smart Grid: Basics to Advanced Technologies

with a consolidated score of **55** %

Online Assignments	22.19/25	Proctored Exam	33/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1450**

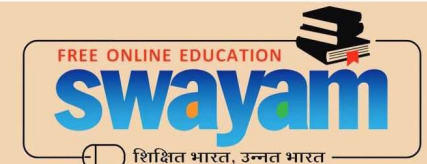
**Prof. Kaushik Ghosh,**  
Professor (Chemistry)  
Coordinator CEC

**Jul-Oct 2023**  
**(12 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL23EE124S735400105

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

**RAMRAJ B**

for successfully completing the course

## Smart Grid: Basics to Advanced Technologies

with a consolidated score of **55** %

Online Assignments	23.13/25	Proctored Exam	31.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1450**

**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

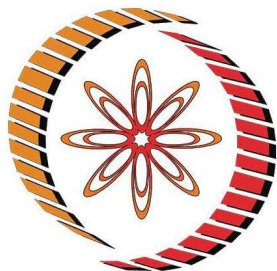


Roll No: NPTEL23EE124S735400186

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

**ARUN KUMAR V**

for successfully completing the course

## Smart Grid: Basics to Advanced Technologies

with a consolidated score of **66** %

Online Assignments	24.06/25	Proctored Exam	42/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1450**

**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

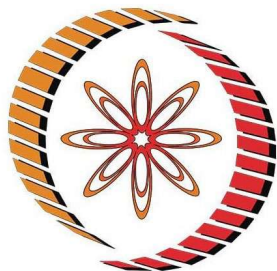


Roll No: NPTEL23EE124S835401665

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

**DR P JAMUNA**

for successfully completing the course

## Smart Grid: Basics to Advanced Technologies

with a consolidated score of **69** %

Online Assignments	24.06/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1450**

**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: NPTEL23EE124S735400266

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  
**KRISHNAGANDHI PACHIAPPAN**  
for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **85** %

Online Assignments	23.13/25	Proctored Exam	61.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **25880**



**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur

**Jul-Oct 2023**

**(12 week course)**



Indian Institute of Technology Kharagpur



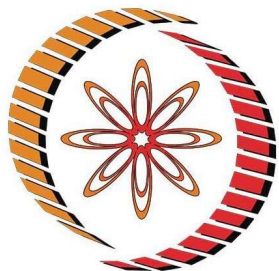
Roll No: NPTEL23CS83S33541787

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

**M MANJULA**

for successfully completing the course

## Smart Grid: Basics to Advanced Technologies

with a consolidated score of **60** %

Online Assignments	24.06/25	Proctored Exam	35.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1450**

**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: NPTEL23EE124S735400026

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

**PRATHEEBA CHENNIAPPAN**

for successfully completing the course

**Digital Circuits**

with a consolidated score of **79** %

Online Assignments	24.78/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2526**

**Jul-Oct 2023**

**(12 week course)**

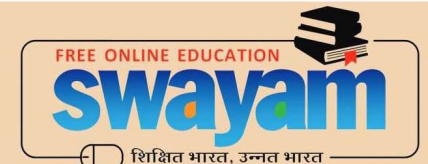


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur

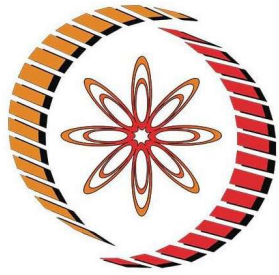


Roll No: NPTEL23EE115S535400659

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

**R VIJAYALAKSHMI**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **85** %

Online Assignments	25/25	Proctored Exam	60/75
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Total number of candidates certified in this course: **32882**

**Jan-Apr 2024**

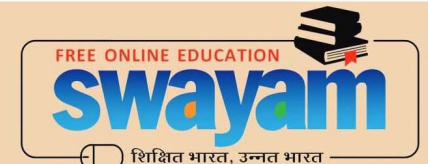
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur

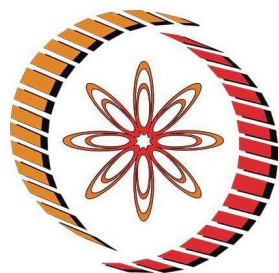


Roll No: NPTEL24CS35S555400141

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

**RAMRAJ B**

for successfully completing the course

**Energy Resources, Economics, and Sustainability**



with a consolidated score of **84** %

Online Assignments	24/25	Proctored Exam	60/75
--------------------	-------	----------------	-------

Total number of candidates certified in this course: **526**

**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: NPTEL24HS77S355400409

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

**RAVICHANDRAN V**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **81** %

Online Assignments	25/25	Proctored Exam	55.5/75
--------------------	-------	----------------	---------

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

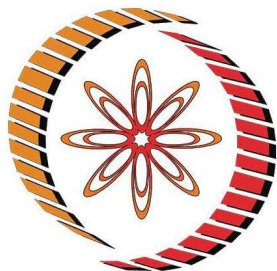


Roll No: NPTEL24CS35S555401378

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

**S ELANGO**

for successfully completing the course

**Energy Resources, Economics, and Sustainability**



with a consolidated score of **78** %

Online Assignments	22.42/25	Proctored Exam	55.1/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **526**

**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

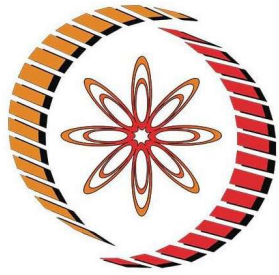


Roll No: NPTEL24HS77S455400777

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

**SATHYASREE K**

for successfully completing the course

**Introduction to Internet of Things**

with a consolidated score of **76** %

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

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

**Jan-Apr 2024**

**(12 week course)**

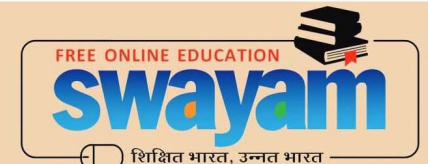


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS35S555400153

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

**DR M MYTHILI**

for successfully completing the course

## Emotional Intelligence

with a consolidated score of **61** %

Online Assignments	20/25	Proctored Exam	40.5/75
--------------------	-------	----------------	---------

Total number of candidates certified in this course: **2716**

**Jan-Mar 2024**

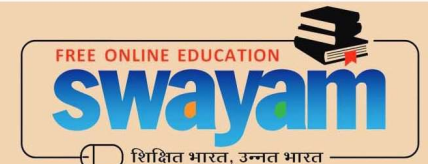
**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24HS06S353900561

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

**KAVITHA P**

for successfully completing the course

**Emotional Intelligence**

with a consolidated score of **60** %

Online Assignments	21.13/25	Proctored Exam	39/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2716**

**Jan-Mar 2024**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24HS06S353900529

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

**KM MADHUMITHA**

for successfully completing the course

**Twentieth Century Fiction**

with a consolidated score of **60** %

Online Assignments	18.06/25	Proctored Exam	41.87/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **171**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24HS69S455400799

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

**SUGANTHI S**

for successfully completing the course

**Emotional Intelligence**

with a consolidated score of **60** %

Online Assignments	20.58/25	Proctored Exam	39/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2716**

**Jan-Mar 2024**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24HS06S353900593

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

**SHAIENDRAN U**

for successfully completing the course

**Twentieth Century Fiction**

with a consolidated score of **65** %

Online Assignments	17.41/25	Proctored Exam	47.44/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **171**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

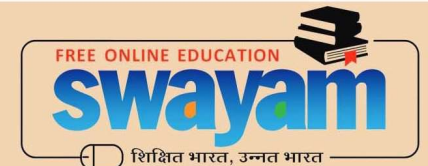
*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24HS69S355400481

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

**ABINAYA N**

for successfully completing the course

**Learning Analytics Tools**

with a consolidated score of **60** %

Online Assignments	18.16/25	Proctored Exam	41.72/75
--------------------	----------	----------------	----------

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

**Jul-Oct 2023**

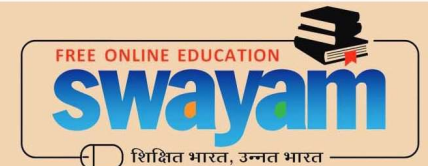
**(12 week course)**

**Prof. Sridhar Iyer**

Head CDEEP & NPTEL Coordinator  
IIT Bombay



Indian Institute of Technology Bombay



Roll No: NPTEL23GE42S635401941

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

**BHARATHI A**

for successfully completing the course

**Programming in Java**

with a consolidated score of **68** %

Online Assignments	22.53/25	Proctored Exam	44.99/75
--------------------	----------	----------------	----------

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: NPTEL23CS74S43541968

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

**SRI ABIRAMI S R**

for successfully completing the course

**Cloud Computing**

with a consolidated score of **73** %

Online Assignments	20.56/25	Proctored Exam	52.81/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **23872**

**Jan-Apr 2024**

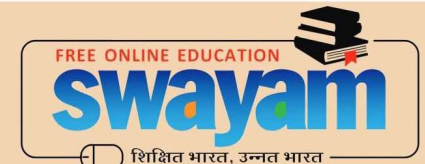
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS17S355400387

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

**INDHUMATHI T**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **53** %

Online Assignments	21.19/25	Proctored Exam	31.5/75
--------------------	----------	----------------	---------

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

**Jul-Oct 2023**

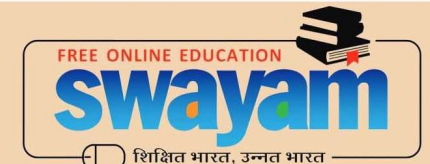
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S43540213

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

**JAHINA J**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **55** %

Online Assignments	24.88/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

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

**Jul-Oct 2023**

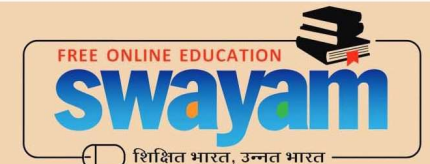
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S43542140

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

**RAGUNATH R**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **53** %

Online Assignments	22.06/25	Proctored Exam	30.75/75
--------------------	----------	----------------	----------

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: NPTEL23CS121S33540450

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

**SENTHAMARAI M**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **51** %

Online Assignments	21/25	Proctored Exam	30/75
--------------------	-------	----------------	-------

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

**Jul-Oct 2023**

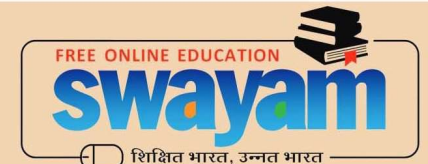
(12 week course)

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S33541410

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

**C SIVA**

for successfully completing the course

## Computer Networks and Internet Protocol

with a consolidated score of **73** %

Online Assignments	24.35/25	Proctored Exam	48.98/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **9310**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



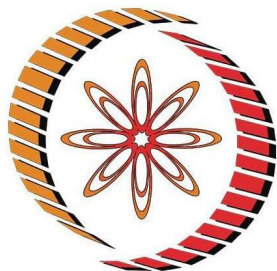
Roll No: NPTEL24CS19S355400349

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

**KIRUTHIKA D**

for successfully completing the course

**Compiler Design**

with a consolidated score of **70** %

Online Assignments	18.6/25	Proctored Exam	51/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **658**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS18S1055400578

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

**MRS R SARANYA**

for successfully completing the course

## Privacy and Security in Online Social Media

with a consolidated score of **62** %

Online Assignments	22.04/25	Proctored Exam	40.31/75
--------------------	----------	----------------	----------

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

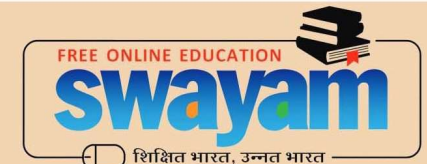
**Prof. Kishore Kothapalli**  
Professor and Dean (Academics)  
IIIT Hyderabad

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

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



International Institute of Information Technology, Hyderabad



Roll No: NPTEL24CS04S1155400141

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

**RAGUNATH R**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **53** %

Online Assignments	22.06/25	Proctored Exam	30.75/75
--------------------	----------	----------------	----------

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: NPTEL23CS121S33540450

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

**SHARMILA S**

for successfully completing the course

**Cloud Computing**

with a consolidated score of **66** %

Online Assignments	23.13/25	Proctored Exam	42.86/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **23872**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS17S355400369

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

**SRI ABIRAMI S R**

for successfully completing the course

**Google Cloud Computing Foundations**

with a consolidated score of **69** %

Online Assignments	19.46/25	Proctored Exam	49.74/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **4443**

**Aug-Oct 2023**

**(8 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS90S735400131

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

**J AMUTHA PRABA**

for successfully completing the course

**Engineering Mathematics - I**

with a consolidated score of **60** %

Online Assignments	21.35/25	Proctored Exam	38.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **171**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23MA88S635400425

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

**R AMUTHA**

for successfully completing the course

**Calculus of One Real Variable**



with a consolidated score of **82** %

Online Assignments	20.83/25	Proctored Exam	61.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **73**

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

Chairman, Centre for Continuing Education  
IIT Kanpur

**Jul-Sep 2023**

**(8 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23MA64S45380989

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

**M BHARATHI**

for successfully completing the course

**Discrete Mathematics**

with a consolidated score of **65** %

Online Assignments	21.63/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **430**

*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



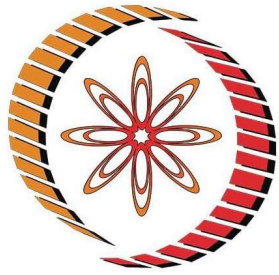
Roll No: NPTEL23CS109S635400535

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

**M BHARATHI**

for successfully completing the course

**Calculus of One Real Variable**

with a consolidated score of **83** %

Online Assignments	18.71/25	Proctored Exam	64.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **73**

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

Chairman, Centre for Continuing Education  
IIT Kanpur

**Jul-Sep 2023**

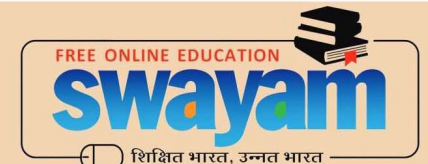
**(8 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23MA64S45380120

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

**BHARATHI P**

for successfully completing the course

**Engineering Mathematics - I**

with a consolidated score of **65** %

Online Assignments	21.66/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **171**

**Jul-Oct 2023**

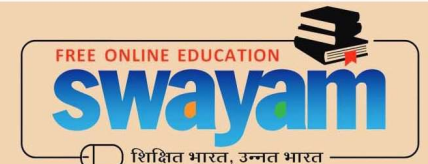
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23MA88S635401780

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

**P DEVI**

for successfully completing the course

## Discrete Mathematics

with a consolidated score of **49** %

Online Assignments	18.78/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **430**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

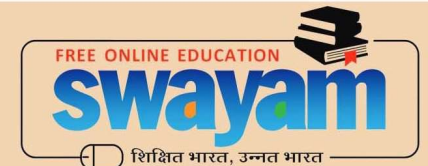
*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS109S635401790

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

**A MEGALA**

for successfully completing the course

**Engineering Mathematics - I**

with a consolidated score of **61** %

Online Assignments	19.63/25	Proctored Exam	41.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **171**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



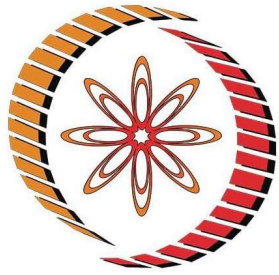
Roll No: NPTEL23MA88S535400643

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

**M PRIYADHARSINI**

for successfully completing the course

**Calculus of One Real Variable**



with a consolidated score of **76** %

Online Assignments	17.88/25	Proctored Exam	58.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **73**

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

Chairman, Centre for Continuing Education  
IIT Kanpur

**Jul-Sep 2023**

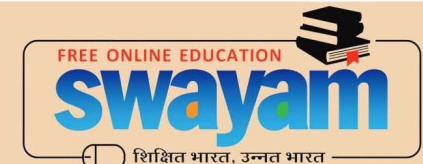
**(8 week course)**

**Prof. Satyaki Roy**

NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23MA64S45380819

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

**R AMUTHA**

for successfully completing the course

**Discrete Mathematics**

with a consolidated score of **51** %

Online Assignments	19.85/25	Proctored Exam	31.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **430**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

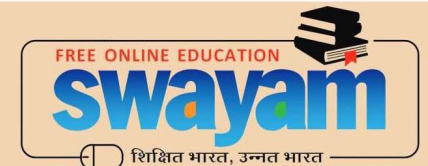
*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS109S635400372

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

**P DEVI**

for successfully completing the course

## Discrete Mathematics

with a consolidated score of **49** %

Online Assignments	18.78/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **430**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jul-Oct 2023**

**(12 week course)**

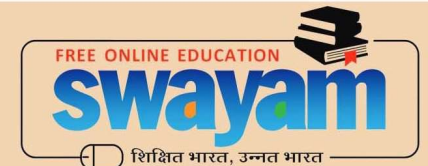
*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS109S635401790

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

**NAGAJOTHI N**

for successfully completing the course

**Engineering Mathematics - I**

with a consolidated score of **58** %

Online Assignments	20.41/25	Proctored Exam	37.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **171**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23MA88S535400780

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

**M PRIYADHARSINI**

for successfully completing the course

**Discrete Mathematics**

with a consolidated score of **53** %

Online Assignments	19.94/25	Proctored Exam	33/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **430**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

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: NPTEL23CS109S635401994

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

**M BHARATHI**

for successfully completing the course

**Graph Theory**



with a consolidated score of **75** %

Online Assignments	21.67/25	Proctored Exam	53.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **956**

**Prof. M. S. Santhanam**

Dean, International Relations and Outreach  
IISER Pune

**Jan-Mar 2024**

**(8 week course)**

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



IISER - Indian Institute of Science Education  
and Research Pune

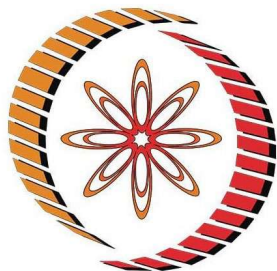


Roll No: NPTEL24MA23S653900314

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

**M PRIYADHARSINI**

for successfully completing the course

**Graph Theory**

with a consolidated score of **63** %

Online Assignments	22/25	Proctored Exam	41.25/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **956**

**Prof. M. S. Santhanam**

Dean, International Relations and Outreach  
IISER Pune

**Jan-Mar 2024**

**(8 week course)**

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



IISER - Indian Institute of Science Education  
and Research Pune

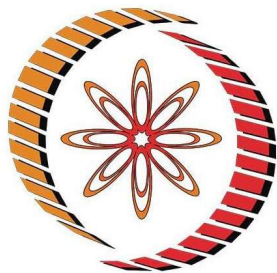


Roll No: NPTEL24MA23S55390007

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

**R AMUTHA**

for successfully completing the course

## Graph Theory

with a consolidated score of **71** %

Online Assignments	20.38/25	Proctored Exam	50.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **956**

**Prof. M. S. Santhanam**

Dean, International Relations and Outreach  
IISER Pune

**Jan-Mar 2024**

**(8 week course)**

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



IISER - Indian Institute of Science Education  
and Research Pune



Roll No: NPTEL24MA23S653900179

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

**JOTHIBASU L**

for successfully completing the course

**Soft Skills**

with a consolidated score of **61** %

Online Assignments	19.22/25	Proctored Exam	42/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **11487**

**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: NPTEL23HS145S43542026

To verify the certificate



No. of credits recommended: 3 or 4

## SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to  
**Jothibasu L**  
for successfully completing the 4 credit course  
**Finance for Non-Finance**  
with a consolidated score of 74%  
from the evaluation based on continuous online assessments and the proctored  
examination held in month of October 2023.*



Roll No. : TN02010034

*This course was offered by Dr. Jayant Oke of Savitribai Phule Pune University*

Marks in Online Assignments		Marks in Proctored Exam		Total Score	
Total	Obtained	Total	Obtained	Total	Obtained
30	25	70	49	100	74



J. B. Nadda  
National Coordinator  
Consortium for Educational Communication (CEC),  
New Delhi



Mr. Mahesh Kakade, Director  
Board of Examination & Evaluation  
Savitribai Phule Pune University



# NPTEL-AICTE Faculty Development Programme

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PARTHIBAN K**

for successfully completing the course

**Introduction to Marketing Essentials**

with a consolidated score of **65 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



(Jul-Oct 2023)

Roll No: NPTEL23MG122S735400626

Duration of NPTEL course : 12 Weeks

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PRABHARA**

for successfully completing the course

## Introduction to Marketing Essentials

with a consolidated score of **70** %

Online Assignments	23.75/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **983**

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: NPTEL23MG122S735400690

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

**SANGEETHA T**

for successfully completing the course

**Introduction to Marketing Essentials**



with a consolidated score of **75** %

Online Assignments	24.06/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **983**

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: NPTEL23MG122S735400754

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

**TAMILARASU J**

for successfully completing the course

**Human Resource Development**

with a consolidated score of **60** %

Online Assignments	23.1/25	Proctored Exam	37/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **1592**

**Jul-Oct 2023**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23HS141S535400816

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

**AKILA K**

for successfully completing the course

## Talent Acquisition and Management

with a consolidated score of **80** %

Online Assignments	24.69/25	Proctored Exam	55.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1181**

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: NPTEL24MG60S455400521

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

**ARULINI K**

for successfully completing the course

## Project Management

with a consolidated score of **71** %

Online Assignments	21.67/25	Proctored Exam	49.5/75
--------------------	----------	----------------	---------

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: NPTEL24MG01S455400686

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

**JOTHIBASU L**

for successfully completing the course

## Integrated Marketing Communication

with a consolidated score of **61** %

Online Assignments	20.44/25	Proctored Exam	40.63/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1418**

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: NPTEL24MG26S455400794

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

**PARTHIBAN K**

for successfully completing the course

## Organizational Design Change and Transformation

with a consolidated score of **69** %

Online Assignments	23.75/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **155**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24MG46S555400079

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

**PRABHA R**

for successfully completing the course

## Organizational Design Change and Transformation

with a consolidated score of **66** %

Online Assignments	24.38/25	Proctored Exam	42/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **155**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24MG46S555401329

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

**SANGEETHA T**

for successfully completing the course



## Organizational Design Change and Transformation

with a consolidated score of **80** %

Online Assignments	24.38/25	Proctored Exam	55.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **155**

**Jan-Apr 2024**

**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24MG46S555400223

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

**TAMILARASU J**

for successfully completing the course

## Integrated Marketing Communication

with a consolidated score of **63** %

Online Assignments	20.19/25	Proctored Exam	43/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1418**

**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

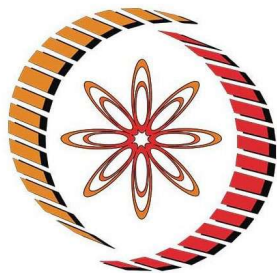


Roll No: NPTEL24MG26S355400427

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

**ZAHIRA JAHAN N**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **66** %

Online Assignments	24.94/25	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: NPTEL23CS121S33541901

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

**ZAHIRA JAHAN N**

for successfully completing the course

**Python for Data Science**

with a consolidated score of **67** %

Online Assignments	23.75/25	Proctored Exam	43.34/75
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Total number of candidates certified in this course: **7596**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jul-Aug 2023**

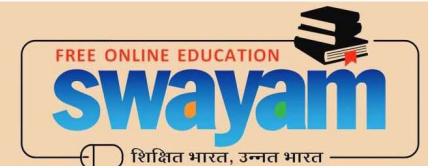
**(4 week course)**

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS99S35380931

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

**SAMBASIVAM S**

for successfully completing the course

## Problem Solving Through Programming in C

with a consolidated score of **55** %

Online Assignments	24.94/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **3857**

**Jul-Oct 2023**

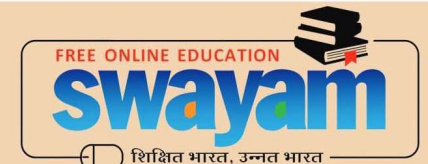
**(12 week course)**

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS121S33541837

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

**DEVI S**

for successfully completing the course

**Programming in Java**

with a consolidated score of **63** %

Online Assignments	24.31/25	Proctored Exam	38.27/75
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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

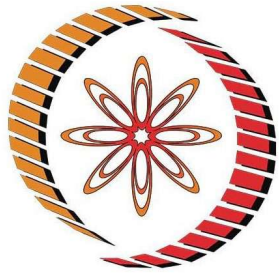


Roll No: NPTEL24CS43S1055400387

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

**ZAHIRA JAHAN N**

for successfully completing the course

**Programming in Java**

with a consolidated score of **75** %

Online Assignments	24.53/25	Proctored Exam	50/75
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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: NPTEL24CS43S955400297

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  
**DR M EASWARAMOORTHY**  
for successfully completing the course

**Laser Based Manufacturing**



with a consolidated score of **87** %

Online Assignments	24.17/25	Proctored Exam	63/75
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Total number of candidates certified in this course: **626**

**Aug-Oct 2023**

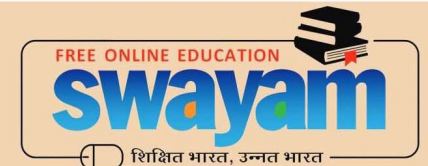
**(8 week course)**

**Prof. T. V. Bharat**

Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL23ME108S835400492

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

**MANIKANDAN M**

for successfully completing the course

## Fundamentals of Manufacturing Processes

with a consolidated score of **60** %

Online Assignments	15.94/25	Proctored Exam	44.5/75
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Total number of candidates certified in this course: **520**

**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: NPTEL23ME131S735401062

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

**ARJUNRAJ R**

for successfully completing the course

**Power Plant Engineering**

with a consolidated score of **54** %

Online Assignments	15/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **423**

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

**Jul-Sep 2023**

**(8 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL23ME133S45380059

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

**DR S MAGIBALAN**

for successfully completing the course

**Power Plant Engineering**

with a consolidated score of **50** %

Online Assignments	20.08/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **423**

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

**Jul-Sep 2023**

**(8 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL23ME133S35380273

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

**SHANMUGAM M**

for successfully completing the course

## Heat Exchangers: Fundamentals and Design Analysis

with a consolidated score of **42** %

Online Assignments	12.06/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **45**

**Jul-Oct 2023**

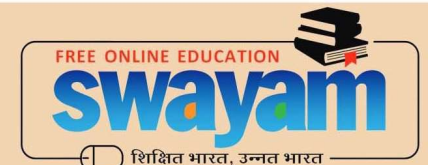
(12 week course)

**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23ME121S535400850

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

**B ASHOK KUMAR**

for successfully completing the course

**Problem Solving through Programming In C**

with a consolidated score of **81** %

Online Assignments	25/25	Proctored Exam	56.06/75
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Total number of candidates certified in this course: **2979**

**Jan-Apr 2024**

**(12 week course)**

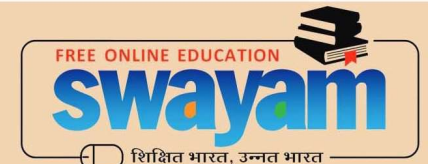


**Prof. Haimanti Banerji**

Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS42S655401182

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  
**DR M EASWARAMOORTHI**  
for successfully completing the course

## Fundamentals of Automotive Systems

with a consolidated score of **60** %

Online Assignments	23.94/25	Proctored Exam	36/75
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Total number of candidates certified in this course: **770**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairperson,  
Centre for Outreach and Digital Education, IITM

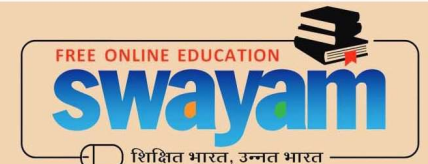
**Jan-Apr 2024**  
**(12 week course)**

*Andrew Thangaraj*

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



Indian Institute of Technology Madras



Roll No: NPTEL24DE03S455400753

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

**DR S MAGIBALAN**

for successfully completing the course

**Air Pollution and Control**

with a consolidated score of **72** %

Online Assignments	25/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **9717**

**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

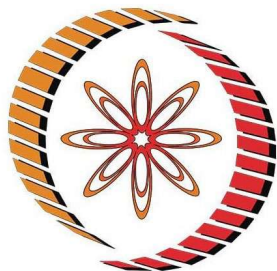


Roll No: NPTEL24CE03S1055400562

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  
**MUTHUKUMAR MARAPPAN**  
for successfully completing the course



**Air Pollution and Control**

with a consolidated score of **80** %

Online Assignments	24.38/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **9717**

**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: NPTEL24CE03S955400003

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

**RAVICHANDRAN D**

for successfully completing the course

**Air Pollution and Control**



with a consolidated score of **79** %

Online Assignments	23.13/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **9717**

**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



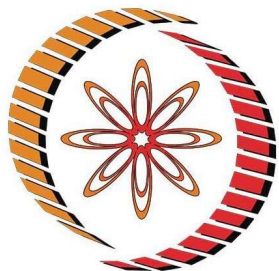
Roll No: NPTEL24CE03S955401596

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

**S BALAKRISHNAN**

for successfully completing the course

**Air Pollution and Control**

with a consolidated score of **67** %

Online Assignments	23.13/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **9717**

**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: NPTEL24CE03S1055401680

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

**S ESWARAN**

for successfully completing the course

**Air Pollution and Control**



with a consolidated score of **75** %

Online Assignments	23.75/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **9717**

**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

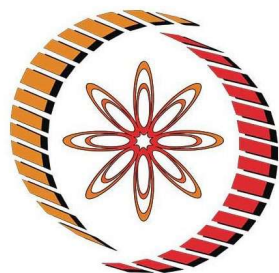


Roll No: NPTEL24CE03S1055400452

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

**S MURUGANANTHAM**

for successfully completing the course

**Air Pollution and Control**

with a consolidated score of **72** %

Online Assignments	24.06/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **9717**

**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: NPTEL24CE03S1055400382

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

**SENGOTTAIYAN M**

for successfully completing the course

**Air Pollution and Control**

with a consolidated score of **60** %

Online Assignments	23.13/25	Proctored Exam	37/75
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Total number of candidates certified in this course: **9717**

**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: NPTEL24CE03S955400153

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

**VELLIYANGIRI B**

for successfully completing the course

**Design of Mechanical Transmission Systems**



with a consolidated score of **82** %

Online Assignments	21.53/25	Proctored Exam	60.3/75
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Total number of candidates certified in this course: **54**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairperson,  
Centre for Outreach and Digital Education, IITM

**Jan-Apr 2024**

**(12 week course)**

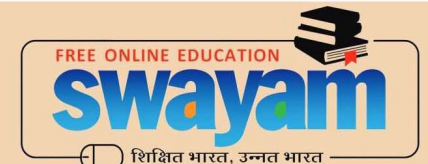
*Prof. Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24ME71S655401444

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

**DR J MOBIKA**

for successfully completing the course

**Waste to Energy Conversion**



with a consolidated score of **80** %

Online Assignments	24.58/25	Proctored Exam	55.1/75
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Total number of candidates certified in this course: **924**

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

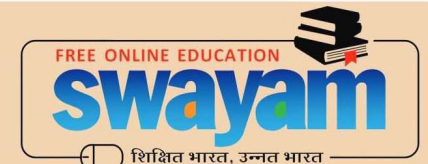
**Jan-Mar 2024**

**(8 week course)**

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CH29S353900538

To verify the certificate



No. of credits recommended: 2 or 3