



POORNIMA
COLLEGE OF ENGINEERING

An autonomous institution approved by RTU, AICTE & UGC • NAAC A+ Accredited



Case Study- MOOC Courses & Development of e-content

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)
• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org
• Website: www.pce.poornima.org

Case Study- MOOC Courses & Development of e-content

Sr. No.	Particulars	Page No.
1.	List of MOOC Courses done by Faculty Members	03
2.	Faculty MOOC Courses Certificate	07
3.	Development of e-content	110



POORNIMA
COLLEGE OF ENGINEERING

An autonomous institution approved by RTU, AICTE & UGC • NAAC A+ Accredited



MOOC Courses Done by Teaching & Non Teaching Staff (2023-24)

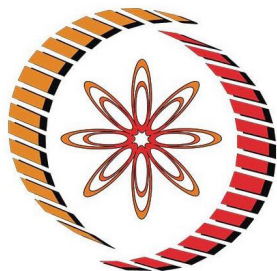
ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)
• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org
• Website: www.pce.poornima.org

Sr. No .	Name	Online Platform	Course Name	Name of Institution who conducted the course	Start date of the course	End Date of the Course
1	Anu Arora	NPTEL	Engineering Mathematics-II	IIT Kharagpur	22-01-2024	28-04-2024
2	Durgesh Kumar	NPTEL	Computer Networks And Internet Protocol	IIT Kharagpur	22-01-2024	12-04-2024
3	Durgesh Kumar	NPTEL	Introduction to Industry 4.0 And Industrial Internet of Things	IIT Kharagpur	22-01-2024	12-04-2024
4	Meetu Nag	NPTEL	Digital Image Processing	IIT Kharagpur	01-07-2023	30-10-2023
5	Meetu Nag	NPTEL	Introduction to Industry 4.0 And Industrial Internet of Things	IIT Kharagpur	01-01-2024	30-04-2024
6	Dr Neeraj Jain	NPTEL	AI In Marketing	IIT Kharagpur	22-01-2024	27-04-2024
7	Shilpi Jain	NPTEL	Engineering Mathematics-II	IIT Kharagpur	22-01-2024	28-04-2024
8	Pankaj Dhemla	NPTEL	Entrepreneurship	IIT Madras	24-07-2023	24-10-2023
9	Anurika Mehta	NPTEL	Air Pollution and Control	IIT Roorkee	22-01-2024	12-04-2024
10	Anurika Mehta	NPTEL	Water And Waste Water Treatment	IIT Roorkee	22-01-2024	12-04-2024
11	Tripti Verma	NPTEL	History of English Language & Literature	IIT Madras	24-07-2023	14-10-2023
12	Suresh Kumar Lohar	Swayam	Digital Circuit	IIT Kharagpur	24-07-2023	13-10-2023
13	Rajshree Pareek	NPTEL	Digital System Design	IIT Ropar	22-01-2024	12-04-2024
14	Rajshree Pareek	NPTEL	Digital Circuits	IIT Kharagpur	24-07-2023	13-10-2023
15	Alka Raizada	NPTEL	Enhancing Soft Skill And Personality	NPTEL	12-02-2024	08-04-2024
16	Nikita Gautam	NPTEL	The Joy of Computing Using Python	IIT Ropar	22-01-2024	22-04-2024
17	Dr. Meena Tekriwal	NPTEL	Analytical Chemistry	IIT Kharagpur	22-07-2023	29-10-2023
18	Dr. Meena Tekriwal	NPTEL	Transition Metal Organometallics In Catalysis And Biology	IIT Bombay (IITB)	22-01-2024	27-04-2024
19	Sitaram Gurjar	NPTEL	Computer Networks And Internet Protocol	IIT Kharagpur	22-01-2024	12-04-2024
20	Sitaram Gurjar	NPTEL	Introduction To Industry 4.0 And Industrial Internet Of Things	IIT Kharagpur	22-01-2024	12-04-2024
21	Neema Shukla	NPTEL	Enhancing Soft Skills And Personality	NPTEL	02-12-2024	04-05-2024
22	Riddhi Shrivastava	NPTEL	Air Pollution & Control	IIT Roorkee	22-02-2024	12-04-2024
23	Dhananjay Kumar	NPTEL	Product Design And Manufacturing	IIT Kanpur	22-01-2024	20-04-2024
24	Shuchi Dave	NPTEL	Digital Image Processing	IIT Kharagpur	24-07-2023	13-10-2023
25	Shuchi Dave	NPTEL	Discrete Mathematics	IIT Madras	24-07-2023	13-10-2023
26	Sanjay Kumawat	NPTEL	Product Design And Manufacturing	IIT Kanpur	22-01-2024	12-04-2024
27	Sanjay Kumawat	NPTEL	Rapid Manufacturing	IIT Kanpur	24-07-2023	13-10-2023
28	Amarjeet Bharti	NPTEL	Engineering Mathematics-II	IIT Kharagpur	22-01-2024	28-04-2024
29	Mukesh Chand	NPTEL	Deep Learning	IIT Ropar	22-01-2024	12-04-2024

30	Ratnesh Kumar Sharma	NPTEL	Product Design And Manufacturing	IIT Kanpur	22-01-2024	20-04-2024
31	Veena Yadav	NPTEL	Problem Solving Through Programming In C	IIT Kharagpur	22-01-2024	12-04-2024
32	Rituraj Singh Rathore	NPTEL	Basic Construction Materials	IIT Madras	22-01-2024	12-04-2024
33	Rituraj Singh Rathore	NPTEL	Concrete Technology	IIT Delhi	22-01-2024	12-04-2024
34	Garima Mathur	Swayam	Digital Circuits	IIT Kharagpur	24-07-2023	13-10-2023
35	Garima Mathur	Swayam	Introduction to Industry 4.0 And Industrial Internet of Things	IIT Kharagpur	22-01-2024	12-04-2024
36	Sonu Kumar	NPTEL	Basic Construction Materials	IIT Madras	22-01-2024	12-04-2024
37	Balwan	NPTEL	Air Pollution And Control	IIT Roorkee	22-01-2024	12-04-2024
38	Balwan	NPTEL	Concrete Technology	IIT Madras	22-01-2024	12-04-2024
39	Chandra Mohan Sharma	NPTEL	Computer Networks And Internet Protocol	IIT Kharagpur	22-01-2024	12-04-2024
40	Suneel Kumar Sharma	NPTEL	Product Design And Manufacturing	IIT Kanpur	22-01-2024	12-04-2024
41	Narendra Singh Shekhawat	NPTEL	Product Design And Manufacturing	IIT Kanpur	22-01-2024	12-04-2024
42	Narendra Singh Shekhawat	NPTEL	Rapid Manufacturing	IIT Kanpur	23-07-2023	13-10-2023
43	Kalpna Sharma	NPTEL	Principles of Economics	IIT Madras	24-07-2023	13-10-2023
44	Gaurav Jain	NPTEL	Smart Grid: Basics To Advanced Technologies	IIT Roorkee	08-01-2024	27-04-2024
45	Raj Kumar Satankar	NPTEL	Product Design And Manufacturing	IIT Madra	22-01-2024	12-04-2024
46	Neha Shrotriya	NPTEL	Compiler Design	IIT Kharagpur	22-01-2024	12-04-2024
47	Satendra Kumar Sharma	NPTEL	Basic Construction Materials	IIT Madras	22-01-2024	12-04-2024
48	Nikita Jain	NPTEL	Business Development: From Start to Scale	IIT Madras	16-01-2024	25-04-2024
49	Nikita Jain	NPTEL	Operating System Fundamentals	IIT Kharagpur	05-07-2023	27-10-2023
50	Manish Dubey	NPTEL	NBA Accreditation And Teaching-Learning In Engineering (NATE)	IISc Bangalore	22-01-2024	21-04-2024
51	Akshay Jain	NPTEL	Product Design And Manufacturing	IIT Kanpur	22-01-2024	12-04-2024
52	Akshay Jain	NPTEL	Computer Integrated Manufacturing	IIT Kanpur	22-01-2024	12-04-2024
53	Akshay Jain	NPTEL	Rapid Manufacturing	IIT Kanpur	24-07-2023	13-10-2023
54	Pravin Sonwane	NPTEL	Entrepreneurship Essentials	IIT Kharagpur	22-01-2024	12-04-2024
55	Lokesh Kumawat	NPTEL	Basic Construction Materials	IIT Madras	22-01-2024	12-04-2024
56	Reena Sharma	NPTEL	Computer Networks And Internet Protocol	IIT Kharagpur	22-01-2024	12-04-2024
57	Reena Sharma	NPTEL	Compiler Design	IIT Kharagpur	22-01-2024	12-04-2024
58	Priyanka Lodha	NPTEL	Atomic And Molecular Physics	IIT Kharagpur	22-01-2024	12-04-2024
59	Sonam Gour	NPTEL	Introduction To Industry 4.0 And Industrial Internet of Things	IIT Kharagpur	01-01-2024	21-04-2024
60	Sonam Gour	NPTEL	Microprocessors And Microcontrollers	IIT Kharagpur	01-01-2024	21-04-2024

61	Harshita Virwani	NPTEL	NBA Accreditation And Teaching-Learning In Engineering (NATE)	IISc Bangalore	22-01-2024	12-04-2024
62	Harshita Virwani	NPTEL	Operating System Fundamentals	IIT Kharagpur	24-07-2023	13-10-2023
63	Bhagirath Singh Chouhan	NPTEL	Programming In Modern C++	IIT Kharagpur	24-07-2023	13-10-2023
64	Bhagirath Singh Chouhan	NPTEL	The Joy Of Computing Using Python	IIT Madras	22-01-2024	12-04-2024
65	Prateek Sharma	NPTEL	Basic Construction Materials	IIT Madras	22-01-2024	12-04-2024
66	Prateek Sharma	NPTEL	Integrated Waste Management For A Smart City	IIT Kharagpur	24-07-2023	13-10-2023
67	Ghanshyam Singh	NPTEL	Introduction To Industry 4.0 And Industrial Internet Of Things	IIT Kharagpur	01-01-2024	30-04-2024
68	Ghanshyam Singh	NPTEL	Digital Image Processing	NPTEL	01-07-2023	03-10-2023
69	Kamlesh Gautam	NPTEL	NBA Accreditation And Teaching-Learning In Engineering (NATE)	IISc Bangalore	22-01-2024	12-04-2024
70	Gaurav Sharma	NPTEL	Computer Networks And Internet Protocol	IIT Kharagpur	22-01-2024	12-04-2024
71	Gaurav Sharma	NPTEL	Introduction To Database Systems	IIT Madras	22-01-2024	12-04-2024
72	Mayank Gupta	NPTEL	Structural Analysis -I	IIT Kharagpur	22-01-2024	12-04-2024
73	Abhishek Sharma	NPTEL	Computer Networks And Internet Protocol	IIT Kharagpur	22-01-2024	12-04-2024
74	Abhishek Sharma	NPTEL	NBA Accreditation And Teaching And Learning In Engineering (NATE)	IISc Bangalore, MSRIIT	22-01-2024	12-04-2024
75	Nitesh Mudgal	NPTEL	Digital Image Processing	IIT Kharagpur	01-07-2023	31-10-2023
76	Nitesh Mudgal	NPTEL	Introduction To Industry 4.0 And Industrial Internet of Things	IIT Kharagpur	01-01-2024	30-04-2024
77	Shirish Mohan Dubey	NPTEL	Introduction To Database Systems	IIT Madras	22-01-2024	21-04-2024
78	Shirish Mohan Dubey	NPTEL	Operating System Fundamentals	IIT Kharagpur	24-07-2023	29-10-2023
79	Geeta Tiwari	NPTEL	Problem Solving Through Programming In C	IIT Kharagpur	22-01-2024	12-04-2024
80	Geeta Tiwari	NPTEL	Compiler Design	IIT Kharagpur	22-01-2024	12-04-2024
81	Pradeep Kumar	Swayam	Engineering Mathematics-II	IIT Kharagpur	15-01-2024	15-04-2024
82	Shilpa Kalra	NPTEL	NBA Accreditation And Teaching-Learning In Engineering(NATE)	IISc Bangalore	22-01-2024	12-04-2024
83	Appoorva Bansal	NPTEL	Introduction to Database Systems	IIT Madras	01-01-2024	15-04-2024
84	Appoorva Bansal	NPTEL	Programming In Modern C++	IIT Kharagpur	01-01-2024	18-04-2024
85	Devendra Nath Pathak	Swayam	NBA Accreditation And Teaching And Learning In Engineering (NATE)	IISc Bangalore	22-01-2024	12-04-2024
86	Neetu	NPTEL	Computer Networks And Internet Protocol	IIT Kharagpur	22-01-2024	12-04-2024
87	Rachit Saxena	NPTEL	Smart Grid: Basics to Advanced Technologies	Indian Institute of Technology, Roorkee	08-01-2024	27-04-2024

88	Anjali Dubey	NPTEL	Digital Electronic Circuits	IIT Kharagpur	22-01-2024	12-04-2024
89	Geetika Mathur	NPTEL	Leadership And Team Effectiveness	IIT Roorkee	22-01-2024	12-04-2024
90	Geetika Mathur	NPTEL	NBA Accreditation And Teaching Learning In Engineering (NATE)	IISc Bangalore, MSRIT	22-01-2024	12-04-2024
91	Anjali Singh	NPTEL	Problem Solving Through Programming In C	IIT Kharagpur	24-07-2023	13-10-2023
92	Neha Mahala	NPTEL	NBA Accreditation And Teaching-Learning In Engineering (NATE)	IISc Bangalore	22-01-2024	12-04-2024
93	Neha Mahala	NPTEL	Science Communication: Research Productivity And Data Analytics Using Open Source Software	IIT Delhi	22-01-2024	12-04-2024
94	Priya Shekhawat	NPTEL	Programming In Java	NPTEL	10-01-2024	09-04-2024
95	Shubham Patel	Swayam	Advanced Computer Networks	IIT Madras (IITM)	22-01-2024	12-04-2024
96	Keshav Dev Gupta	NPTEL	NBA Accreditation And Teaching-Learning In Engineering (NATE)	IIS Bangalore	10-01-2024	30-04-2024
97	Keshav Dev Gupta	NPTEL	Programming In Java	IIT Kharagpur	26-01-2024	30-04-2024
98	Brijraj Singh Solanki	NPTEL	Computer Networks And Internet Protocol	IIT Kharagpur	22-01-2024	12-04-2024
99	Dr. Ayush Meena	NPTEL	Basics Construction Materials	IIT Madras (IITM)	22-01-2024	12-04-2024
100	Dr. Ayush Meena	NPTEL	Concrete Technology	IIT Madras (IITM)	22-01-2024	12-04-2024
101	Archana Bhardwaj	NPTEL	Air Pollution And Control	IIT Roorkee	22-01-2024	12-04-2024
102	Narendra Kumar Bhadhana	NPTEL	Basic Construction Materials	IIT Madras	24-01-2024	28-04-2024
103	Narendra Kumar Bhadhana	NPTEL	Concrete Technology	IIT Madras	29-01-2024	27-04-2024



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ANU ARORA

for successfully completing the course

Engineering Mathematics - II



with a consolidated score of **75** %

Online Assignments	23.69/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **127**

Jan-Apr 2024

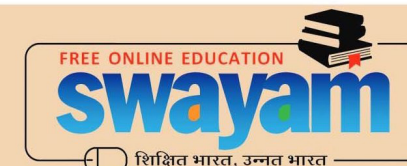
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

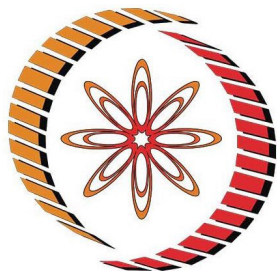


Roll No: NPTEL24MA17S1257800670

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

DURGESH KUMAR

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **61** %

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

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

Jan-Apr 2024

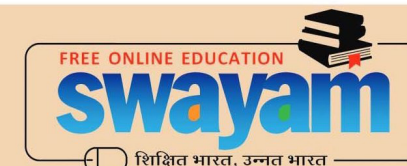
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

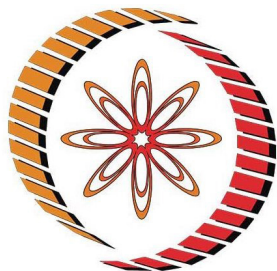


Roll No: NPTEL24CS19S457801434

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

DURGESH KUMAR

for successfully completing the course

Introduction to Industry 4.0 and Industrial

Internet of Things

with a consolidated score of **70** %

Online Assignments	24.78/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **10498**

Jan-Apr 2024

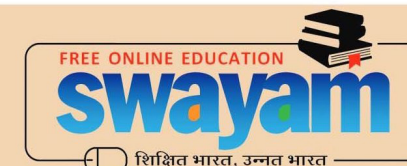
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

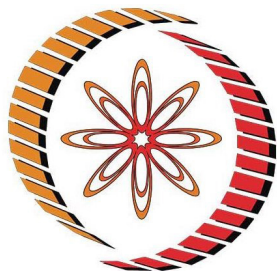


Roll No: NPTEL24CS34S557801803

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 MEETU NAG

for successfully completing the course

Digital Image Processing

with a consolidated score of **68** %

Online Assignments	17.41/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2293**

Jul-Oct 2023

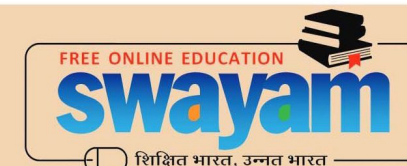
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

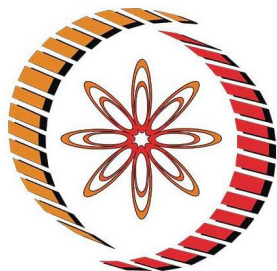


Roll No: NPTEL23EE118S537801900

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 MEETU NAG

for successfully completing the course

Introduction to Industry 4.0 and Industrial

Internet of Things

with a consolidated score of **75** %



Online Assignments	24.35/25	Proctored Exam	50.5/75
--------------------	----------	----------------	---------

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

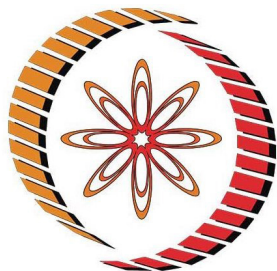


Roll No: NPTEL24CS34S557802032

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



Neeraj Jain

This certificate is awarded to

DR NEERAJ JAIN

for successfully completing the course

AI in Marketing

with a consolidated score of **70** %

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

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

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2024

(12 week course)

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



Indian Institute of Technology Roorkee

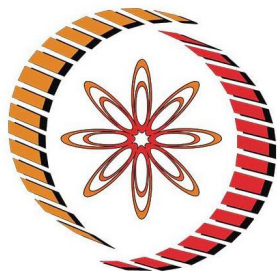


Roll No: NPTEL24MG05S957801827

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

SHILPI JAIN

for successfully completing the course

Engineering Mathematics - II

with a consolidated score of **69** %

Online Assignments	22.44/25	Proctored Exam	46.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **127**

Jan-Apr 2024

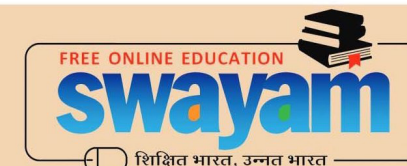
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

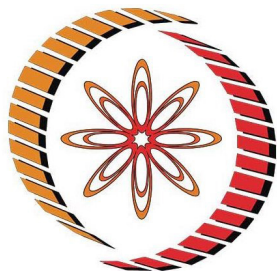


Roll No: NPTEL24MA17S1157801156

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
PANKAJ DHEMLA
for successfully completing the course

Entrepreneurship



with a consolidated score of **75** %

Online Assignments	16.88/25	Proctored Exam	58/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **9222**

Devendra Jaliha

Prof. Devendra Jaliha

Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2023

(12 week course)

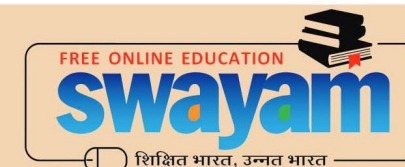
Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

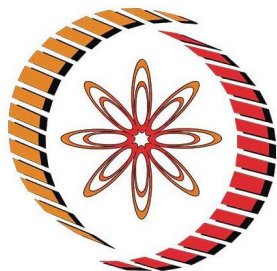


Roll No: NPTEL23MG74S737800671

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 ANURIKA MEHTA

for successfully completing the course

Air Pollution and Control



with a consolidated score of **77** %

Online Assignments	24.38/25	Proctored Exam	52.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **9717**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

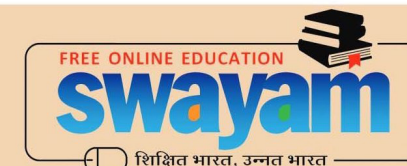
Jan-Apr 2024

(12 week course)

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



Indian Institute of Technology Roorkee

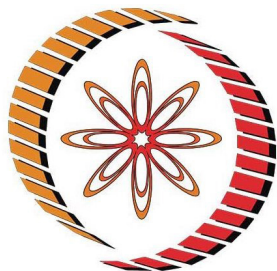


Roll No: NPTEL24CE03S957801773

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

DR ANURIKA MEHTA

for successfully completing the course

Water and Waste Water Treatment

with a consolidated score of **49** %

Online Assignments	19.19/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **318**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

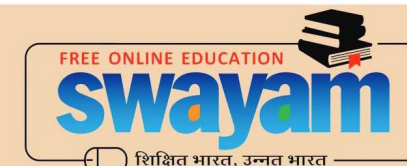
Jan-Apr 2024

(12 week course)

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



Indian Institute of Technology Roorkee

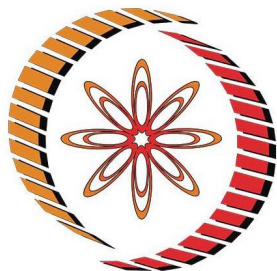


Roll No: NPTEL24CE39S357800064

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

TRIPTI VERMA

for successfully completing the course

History of English Language and Literature

with a consolidated score of **60** %

Online Assignments	25/25	Proctored Exam	34.75/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **464**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2023

(12 week course)

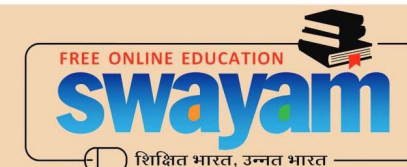
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

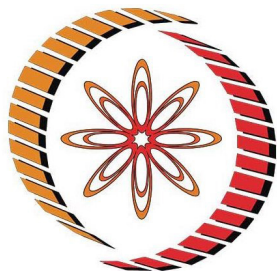


Roll No: NPTEL23HS107S737802781

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
SURESH KUMAR LOHAR
for successfully completing the course

Digital Circuits

with a consolidated score of **55** %

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

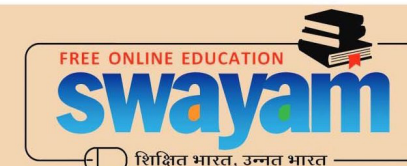
Total number of candidates certified in this course: **2526**

Jul-Oct 2023
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

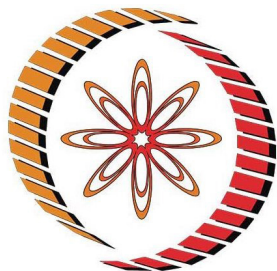


Roll No: NPTEL23EE115S537800645

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

RAJSHREE PAREEK

for successfully completing the course

Digital System Design

with a consolidated score of **49** %

Online Assignments	19.1/25	Proctored Exam	30/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **513**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

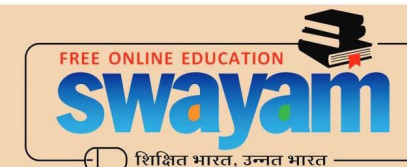
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

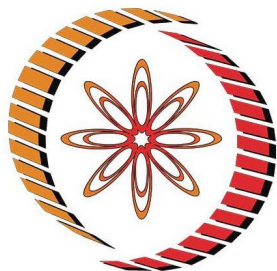


Roll No: NPTEL24EE17S357801621

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

RAJSHREE PAREEK

for successfully completing the course

Digital Circuits

with a consolidated score of **63** %

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

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

Jul-Oct 2023

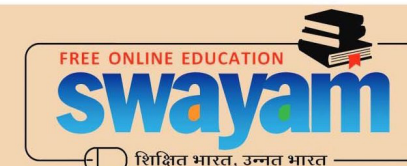
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

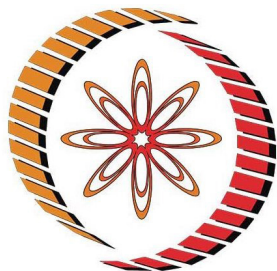


Roll No: NPTEL23EE115S537800458

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

ALKA RAIZADA

for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of **58** %

Online Assignments	22.79/25	Proctored Exam	35.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **12566**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2024

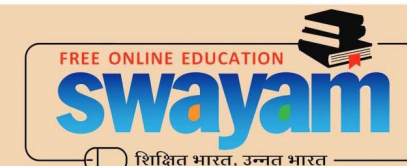
(8 week course)

Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

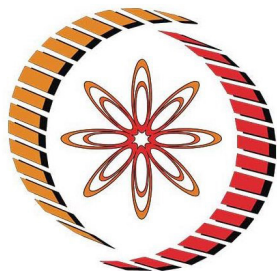


Roll No: NPTEL24HS26S457800880

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

NIKITA GAUTAM

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **64** %

Online Assignments	16.31/25	Proctored Exam	47.84/75
--------------------	----------	----------------	----------

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

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

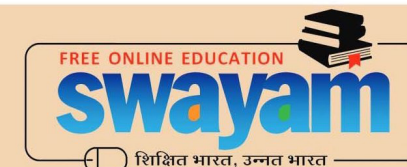
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

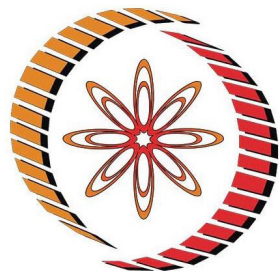


Roll No: NPTEL24CS57S557801912

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 MEENA TEKRIWAL

for successfully completing the course

Transition Metal Organometallics in Catalysis and Biology

with a consolidated score of **71** %

Online Assignments	22.5/25	Proctored Exam	48.5/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **28**

Jan-Apr 2024

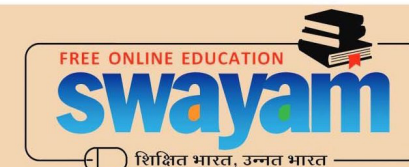
(12 week course)

Prof. Sridhar Iyer

Head CDEEP & NPTEL Coordinator
IIT Bombay



Indian Institute of Technology Bombay

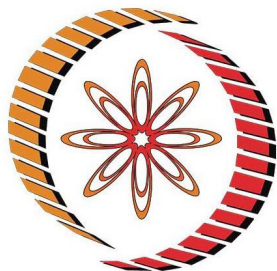


Roll No: NPTEL24CY26S957800810

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 MEENA TEKRIWAL

for successfully completing the course

Analytical Chemistry



with a consolidated score of **76** %

Online Assignments	20.63/25	Proctored Exam	55.1/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **626**

Jul-Oct 2023

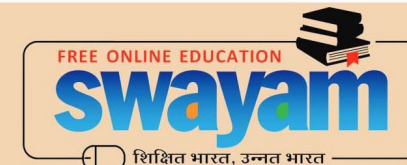
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

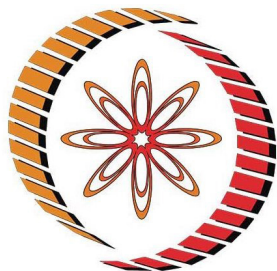


Roll No: NPTEL23CY59S837803534

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

SITARAM GURJAR

for successfully completing the course

Introduction to Industry 4.0 and Industrial

Internet of Things

with a consolidated score of **73** %

Online Assignments	24.56/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **10498**

Jan-Apr 2024

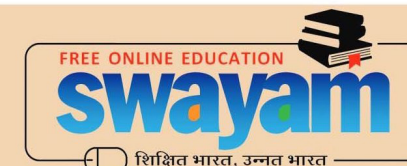
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

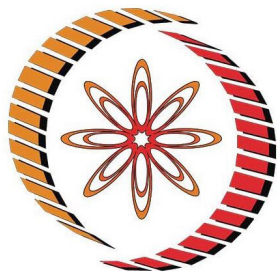


Roll No: NPTEL24CS34S557800719

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

SITARAM GURJAR

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **55** %

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

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

Jan-Apr 2024

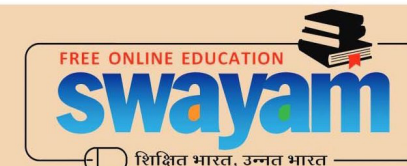
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

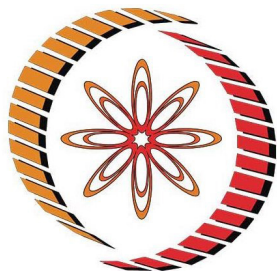


Roll No: NPTEL24CS19S357800603

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

NEEMA SHUKLA

for successfully completing the course

Enhancing Soft Skills and Personality

with a consolidated score of **60** %

Online Assignments	23/25	Proctored Exam	37/75
--------------------	-------	----------------	-------

Total number of candidates certified in this course: **12566**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2024

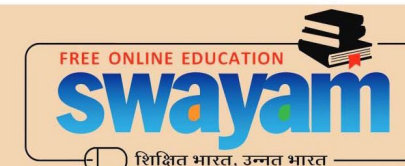
(8 week course)

Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

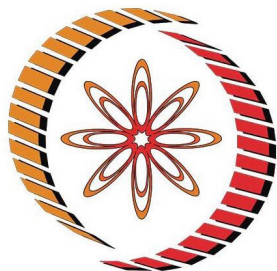


Roll No: NPTEL24HS26S357800267

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
RIDDHI SHRIVASTAVA
for successfully completing the course



Air Pollution and Control

with a consolidated score of **78** %

Online Assignments	24.38/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **9717**

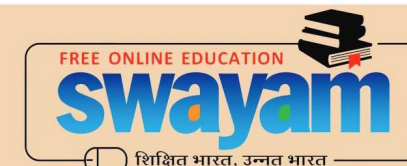
Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2024
(12 week course)

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24CE03S957802020

To verify the certificate



No. of credits recommended: 3 or 4



Roll No: NPTEL19ME21S11380027

To
DHANANJAY KUMAR
61/39, SECTOR-6, PRATAP NAGAR
PRATAP NAGAR
JAIPUR
RAJASTHAN
302033
PH. NO :8824599822



No. of credits recommended by NPTEL:1

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



Elite

NPTEL Online Certification

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



This certificate is awarded to
DHANANJAY KUMAR
for successfully completing the course

Product Design and Development

with a consolidated score of **75** %

Online Assignments	22.50/25	Proctored Exam	52.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1533**

Prof. B. K. Gandhi
Coordinator, Continuing Education Centre
NPTEL Coordinator, IIT Roorkee

Jan-Feb 2019
(4 week course)



Indian Institute of Technology Roorkee





NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR SHUCHI DAVE

for successfully completing the course

Digital Image Processing

with a consolidated score of **52** %

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

Total number of candidates certified in this course: **2293**

Jul-Oct 2023

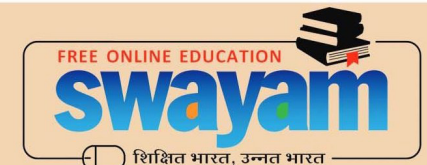
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

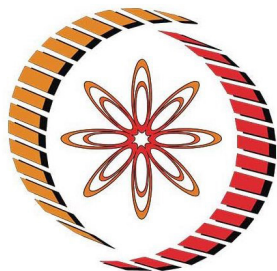


Roll No: NPTEL23EE118S637802497

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

DR SHUCHI DAVE

for successfully completing the course

Discrete Mathematics

with a consolidated score of **43** %

Online Assignments	11.13/25	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)

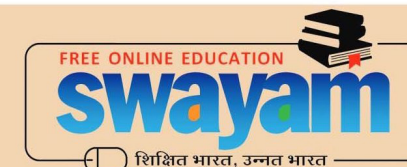
Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23CS109S537801921

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

SANJAY KUMAWAT

for successfully completing the course

Product Design and Manufacturing

with a consolidated score of **73** %

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

Total number of candidates certified in this course: **2952**

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





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SANJAY KUMAWAT

for successfully completing the course



Rapid Manufacturing

with a consolidated score of **83** %

Online Assignments	25/25	Proctored Exam	58.16/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **1213**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Oct 2023

(12 week course)

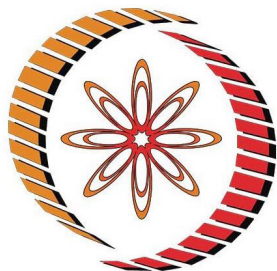
Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

AMARJEET BHARTI

for successfully completing the course

Engineering Mathematics - II



with a consolidated score of **81** %

Online Assignments	21.78/25	Proctored Exam	59.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **127**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

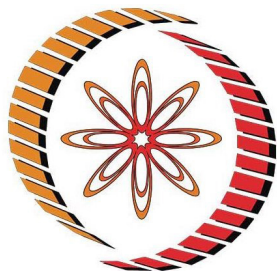


Roll No: NPTEL24MA17S1257800556

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

MUKESH CHAND

for successfully completing the course

Deep Learning

with a consolidated score of **51** %

Online Assignments	20.81/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1796**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

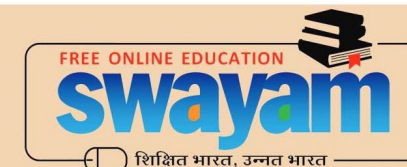
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

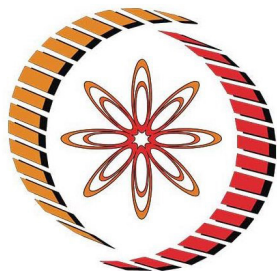


Roll No: NPTEL24CS59S1157800104

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

RATNESH KUMAR SHARMA

for successfully completing the course

Product Design and Manufacturing



with a consolidated score of **76** %

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

Total number of candidates certified in this course: **2952**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2024

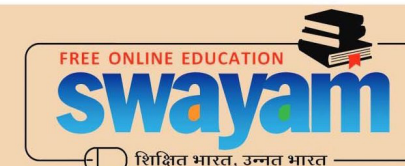
(12 week course)

Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL24ME58S357800486

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

VEENA YADAV

for successfully completing the course

Problem Solving through Programming In C

with a consolidated score of **46** %

Online Assignments	14.94/25	Proctored Exam	31.5/75
--------------------	----------	----------------	---------

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

Jan-Apr 2024

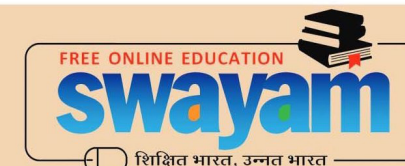
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

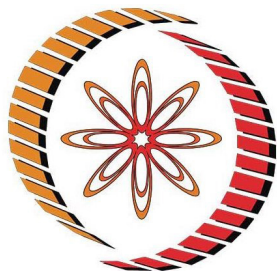


Roll No: NPTEL24CS42S557802381

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
RITURAJ SINGH RATHORE
for successfully completing the course

Concrete Technology

with a consolidated score of **65** %

Online Assignments	21.75/25	Proctored Exam	43.37/75
--------------------	----------	----------------	----------

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)

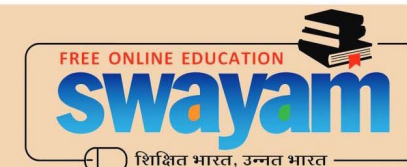
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

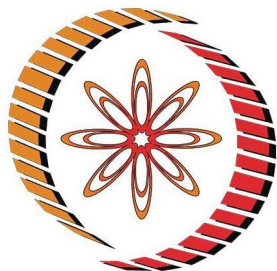


Roll No: NPTEL24CE46S957800507

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

RITURAJ SINGH RATHORE

for successfully completing the course

Basic Construction Materials

with a consolidated score of **60** %

Online Assignments	19.97/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1001**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

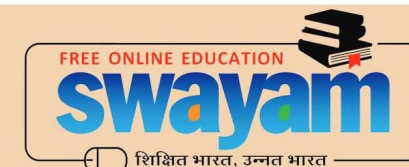
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

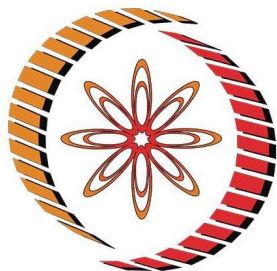


Roll No: NPTEL24CE06S1157800303

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 GARIMA MATHUR

for successfully completing the course

Introduction to Industry 4.0 and Industrial

Internet of Things

with a consolidated score of **68** %

Online Assignments	24.56/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **10498**

Jan-Apr 2024

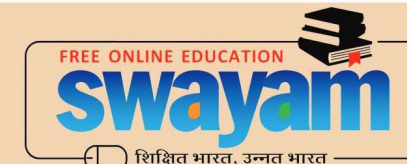
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

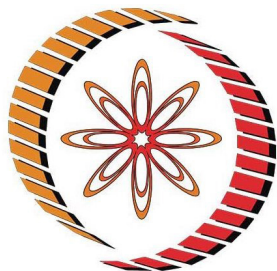


Roll No: NPTEL24CS34S657801613

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 GARIMA MATHUR

for successfully completing the course

Digital Circuits

with a consolidated score of **60** %

Online Assignments	23.75/25	Proctored Exam	36/75
--------------------	----------	----------------	-------

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

Jul-Oct 2023

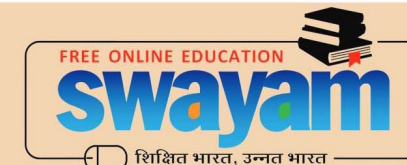
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

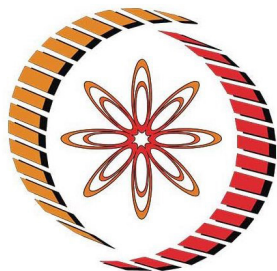


Roll No: NPTEL23EE115S537801744

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

SONU KUMAR

for successfully completing the course

Basic Construction Materials

with a consolidated score of **50** %

Online Assignments	19.72/25	Proctored Exam	30.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1001**

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

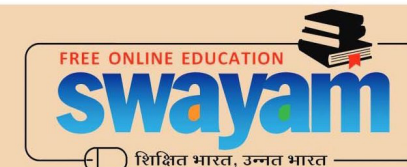
(12 week course)

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CE06S1157800408

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

BALWAN

for successfully completing the course

Air Pollution and Control



with a consolidated score of **75** %

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

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 (BSDE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
BALWAN
for successfully completing the course

Concrete Technology

with a consolidated score of **67** %

Online Assignments	22.38/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

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





NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
CHANDRA MOHAN SHARMA
for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **54** %

Online Assignments	20.35/25	Proctored Exam	33.59/75
--------------------	----------	----------------	----------

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

Jan-Apr 2024

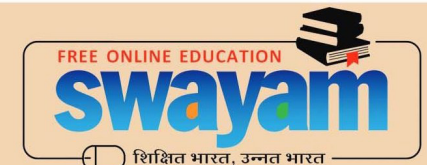
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

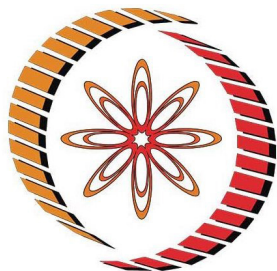


Roll No: NPTEL24CS19S457801338

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



10/02/2023

This certificate is awarded to

SUNEEL KUMAR SHARMA

for successfully completing the course

Product Design and Manufacturing

with a consolidated score of **64** %

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

Total number of candidates certified in this course: **2952**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2024

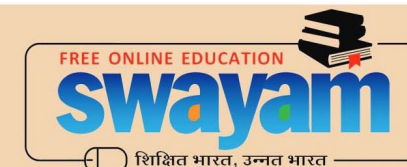
(12 week course)

Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

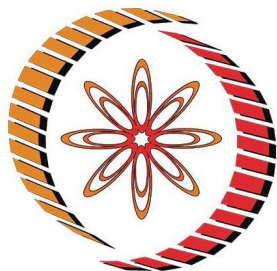


Roll No: NPTEL24ME58S357800707

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
NARENDRA SINGH SHEKHAWAT
for successfully completing the course

Product Design and Manufacturing

with a consolidated score of **73** %

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

Total number of candidates certified in this course: **2952**

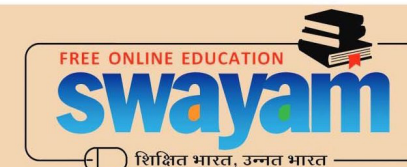
Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2024
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

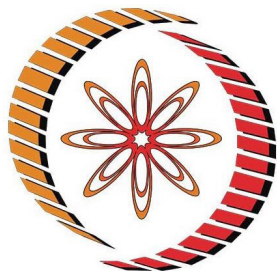


Roll No: NPTEL24ME58S357800191

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
NARENDRA SINGH SHEKHAWAT
for successfully completing the course

Rapid Manufacturing

with a consolidated score of **79** %

Online Assignments	25/25	Proctored Exam	53.57/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **1213**

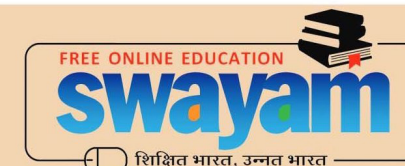
Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Oct 2023
(12 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

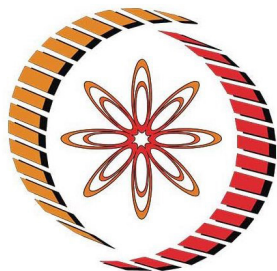


Roll No: NPTEL23ME82S537801981

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

KALPANA SHARMA

for successfully completing the course

Principles of Economics

with a consolidated score of **61** %

Online Assignments	22.35/25	Proctored Exam	39/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **949**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Oct 2023

(12 week course)

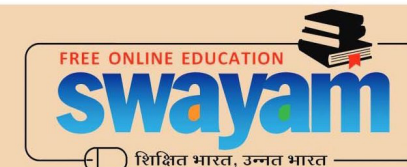
Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

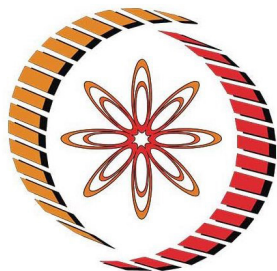


Roll No: NPTEL23EC06S837804000

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

GAURAV JAIN

for successfully completing the course

Smart Grid: Basics to Advanced Technologies

with a consolidated score of **53** %

Online Assignments	18.44/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2466**

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: NPTEL24EE37S1057801582

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

DR RAJ KUMAR SATANKAR

for successfully completing the course

Product Design and Manufacturing

with a consolidated score of 75 %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



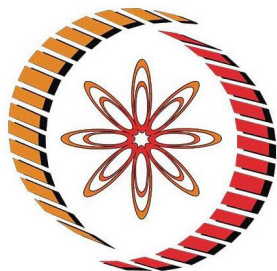
(Jan-Apr 2024)

Roll No: NPTEL24ME58S357800342

Duration of NPTEL course : 12 Weeks

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

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



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

NEHA SHROTRIYA

for successfully completing the course

Compiler Design

with a consolidated score of **60** %

Online Assignments	19.75/25	Proctored Exam	40.5/75
--------------------	----------	----------------	---------

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

Jan-Apr 2024

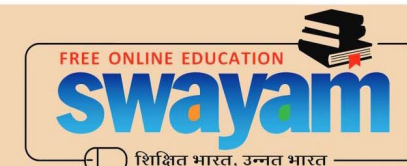
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS18S957800068

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
SATENDRA KUMAR SHARMA
for successfully completing the course

Basic Construction Materials

with a consolidated score of **48** %

Online Assignments	18.25/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1001**

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

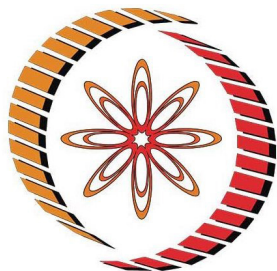
Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

NIKITA JAIN

for successfully completing the course

Business Development: From Start to Scale

with a consolidated score of **65** %

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

Total number of candidates certified in this course: **2547**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

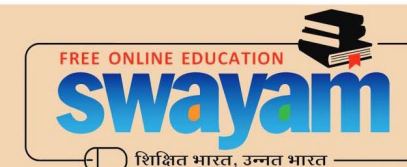
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

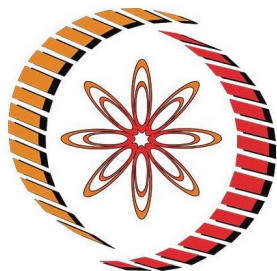


Roll No: NPTEL24MG10S957800348

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

NIKITA JAIN

for successfully completing the course

Operating System Fundamentals

with a consolidated score of **50** %

Online Assignments	19.78/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1433**

Jul-Oct 2023

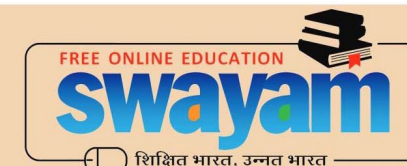
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

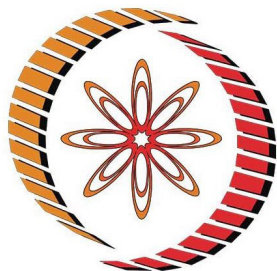


Roll No: NPTEL23CS123S837803591

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

MANISH DUBEY

for successfully completing the course

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

with a consolidated score of **72** %

Online Assignments	24.06/25	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

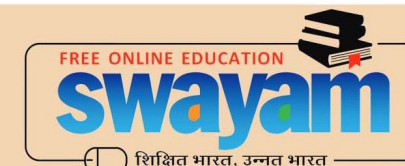
Jan-Apr 2024

(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore

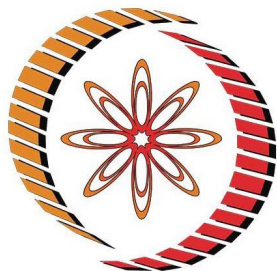


Roll No: NPTEL24GE07S1157800896

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

AKSHAY JAIN

for successfully completing the course

Product Design and Manufacturing



with a consolidated score of **81** %

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

Total number of candidates certified in this course: **2952**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2024

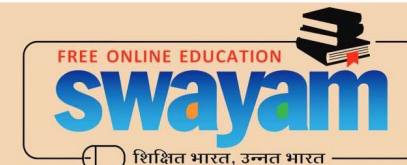
(12 week course)

Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

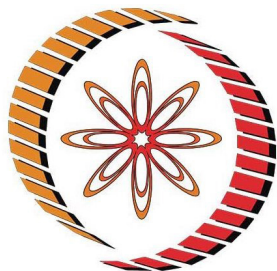


Roll No: NPTEL24ME58S457800920

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

AKSHAY JAIN

for successfully completing the course

Computer Integrated Manufacturing

with a consolidated score of **72** %

Online Assignments	24.69/25	Proctored Exam	47.45/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1352**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2024

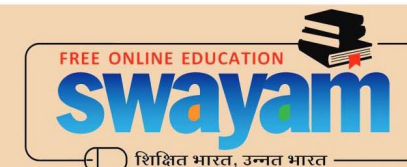
(12 week course)

Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

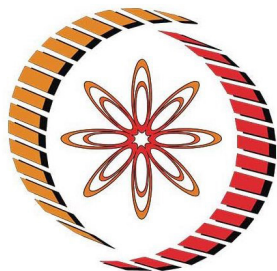


Roll No: NPTEL24ME27S657801557

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

AKSHAY JAIN

for successfully completing the course

Rapid Manufacturing

with a consolidated score of **71** %

Online Assignments	23.44/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1213**

Prof. B. V. Ratish Kumar

Chairman, Centre for Continuing Education
IIT Kanpur

Jul-Oct 2023

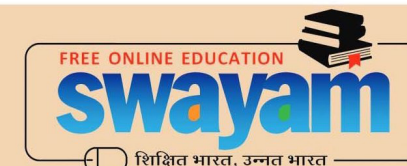
(12 week course)

Prof. Satyaki Roy

NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23ME82S637803105

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

PRAVIN SONWANE

for successfully completing the course

Entrepreneurship Essentials

with a consolidated score of **49** %

Online Assignments	18.69/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2100**

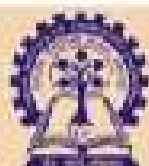
Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

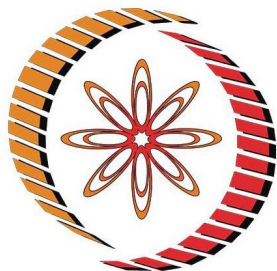
Coordinator, NPTEL

IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

LOKESH KUMAWAT

for successfully completing the course

Basic Construction Materials

with a consolidated score of **62** %

Online Assignments	19.5/25	Proctored Exam	42.75/75
--------------------	---------	----------------	----------

Total number of candidates certified in this course: **1001**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

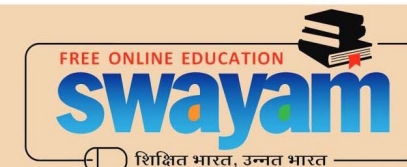
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

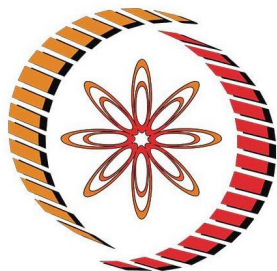


Roll No: NPTEL24CE06S1157800033

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

REENA SHARMA

for successfully completing the course

Compiler Design

with a consolidated score of **66** %

Online Assignments	19.53/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

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

Jan-Apr 2024

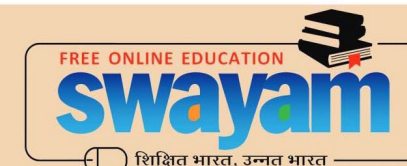
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

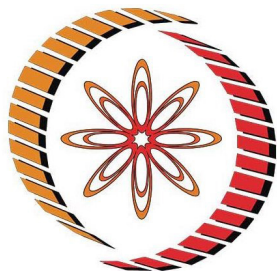


Roll No: NPTEL24CS18S957800592

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

REENA SHARMA

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **70** %

Online Assignments	19.47/25	Proctored Exam	50.51/75
--------------------	----------	----------------	----------

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

Jan-Apr 2024

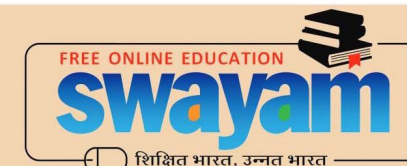
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

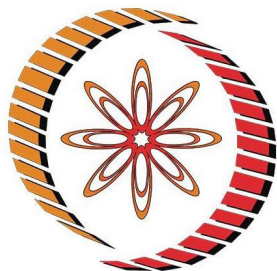


Roll No: NPTEL24CS19S357800519

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 LODHA

for successfully completing the course

Atomic and Molecular Physics

with a consolidated score of **94** %

Online Assignments	24.69/25	Proctored Exam	69/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **129**



Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24PH04S1157800945

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

SONAM GOUR

for successfully completing the course

Introduction to Industry 4.0 and Industrial

Internet of Things

with a consolidated score of **77** %



Online Assignments	22.72/25	Proctored Exam	54/75
--------------------	----------	----------------	-------

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





NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SONAM GOUR

for successfully completing the course

Microprocessors and Microcontrollers

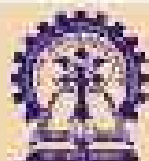
with a consolidated score of **55** %

Online Assignments	22.03/25	Proctored Exam	33/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 437

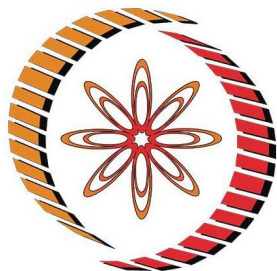
Jan-Apr 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

HARSHITA VIRWANI

for successfully completing the course

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

with a consolidated score of **68** %

Online Assignments	24.06/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

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

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

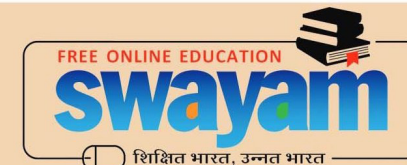
Jan-Apr 2024

(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore

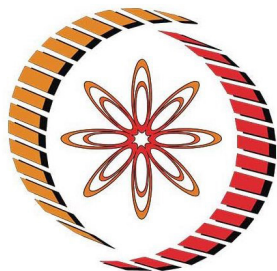


Roll No: NPTEL24GE07S1257800854

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

HARSHITA VIRWANI

for successfully completing the course

Operating System Fundamentals

with a consolidated score of **68** %

Online Assignments	19.78/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1433**

Jul-Oct 2023

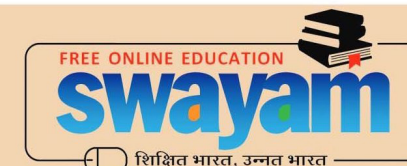
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

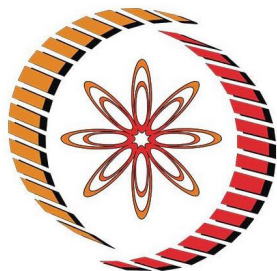


Roll No: NPTEL23CS123S737801638

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
BHAGIRATH SINGH CHOUHAN
for successfully completing the course

Programming in Modern C++

with a consolidated score of **56** %

Online Assignments	23.1/25	Proctored Exam	33/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **1028**

Jul-Oct 2023

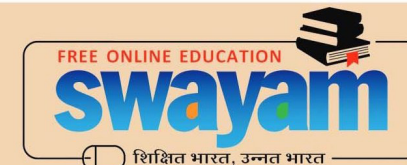
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

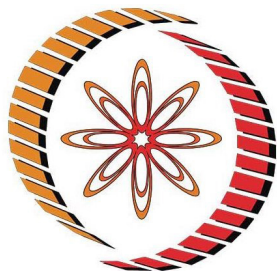


Roll No: NPTEL23CS78S637803586

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

BHAGIRATH SINGH CHOUHAN

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **69** %

Online Assignments	20/25	Proctored Exam	49/75
--------------------	-------	----------------	-------

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

Devendra Jali hal

Prof. Devendra Jali hal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

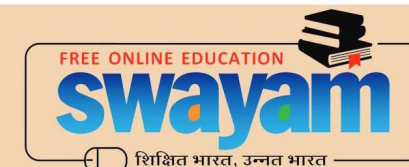
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

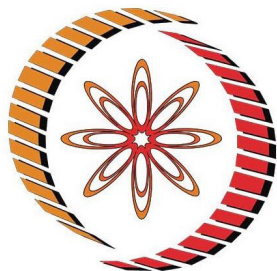


Roll No: NPTEL24CS57S657803057

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

PRATEEK SHARMA

for successfully completing the course

Basic Construction Materials

with a consolidated score of **68** %

Online Assignments	20.06/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1001**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

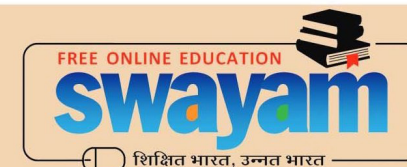
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

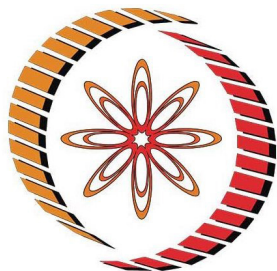


Roll No: NPTEL24CE06S1157800195

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

PRATEEK SHARMA

for successfully completing the course

Integrated Waste Management for a Smart City

with a consolidated score of **67** %

Online Assignments	23.44/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1177**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

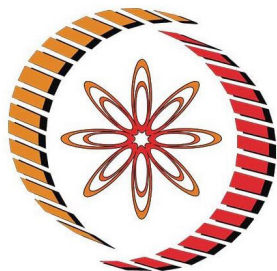


Roll No: NPTEL23CE89S737800300

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

GHANSHYAM SINGH

for successfully completing the course

Introduction to Industry 4.0 and Industrial

Internet of Things

with a consolidated score of **71** %

Online Assignments	24.13/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **10498**

Jan-Apr 2024

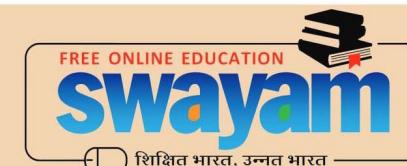
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

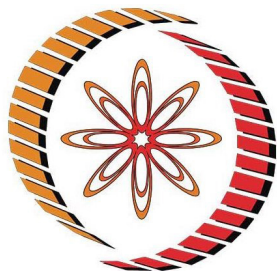


Roll No: NPTEL24CS34S557801879

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

GHANSHYAM SINGH

for successfully completing the course

Digital Image Processing

with a consolidated score of **47** %

Online Assignments	17.1/25	Proctored Exam	30/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **2293**

Jul-Oct 2023

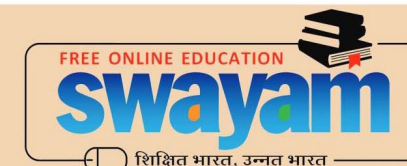
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

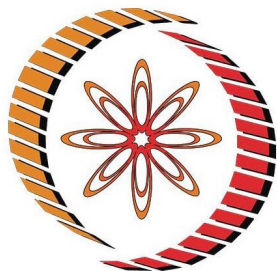


Roll No: NPTEL23EE118S537801659

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

DR KAMLESH GAUTAM

for successfully completing the course

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

with a consolidated score of **55** %

Online Assignments	23.13/25	Proctored Exam	31.88/75
--------------------	----------	----------------	----------

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

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

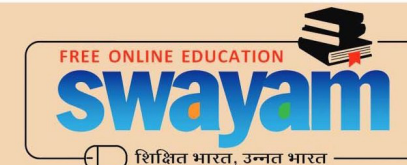
Jan-Apr 2024

(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore

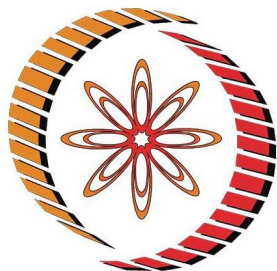


Roll No: NPTEL24GE07S1257800455

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

GAURAV SHARMA

for successfully completing the course

Introduction to Database Systems

with a consolidated score of **60** %

Online Assignments	19.06/25	Proctored Exam	40.86/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1159**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

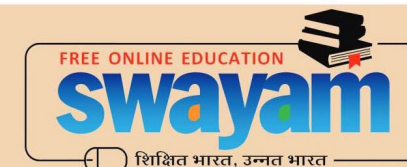
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

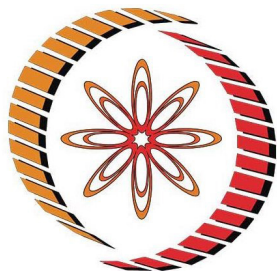


Roll No: NPTEL24CS55S557801748

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

GAURAV SHARMA

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **81** %

Online Assignments	20.35/25	Proctored Exam	60.94/75
--------------------	----------	----------------	----------

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

Jan-Apr 2024

(12 week course)

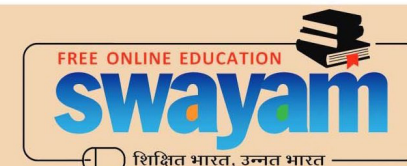


Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

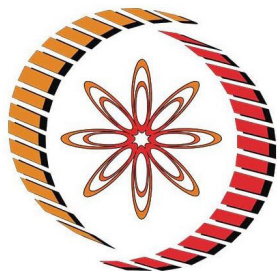


Roll No: NPTEL24CS19S457801513

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



TOPPER

This certificate is awarded to

MAYANK GUPTA

for successfully completing the course

Structural Analysis - I



with a consolidated score of **81** %

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

Total number of candidates certified in this course: **54**

Jan-Apr 2024

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CE31S1157800125

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

ABHISHEK SHARMA

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **60** %

Online Assignments	24.35/25	Proctored Exam	35.94/75
--------------------	----------	----------------	----------

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





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ABHISHEK SHARMA

for successfully completing the course

NBA Accreditation and Teaching-Learning in

Engineering (NATE)

with a consolidated score of **60** %

Online Assignments	24.06/25	Proctored Exam	36.38/75
--------------------	----------	----------------	----------

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





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

NITESH MUDGAL

for successfully completing the course



Digital Image Processing

with a consolidated score of **76** %

Online Assignments	17.1/25	Proctored Exam	58.5/75
--------------------	---------	----------------	---------

Total number of candidates certified in this course: **2293**

Jul-Oct 2023

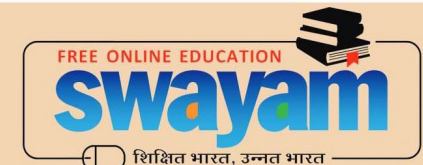
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

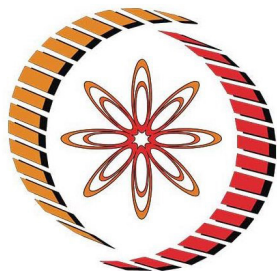


Roll No: NPTEL23EE118S537802012

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

NITESH MUDGAL

for successfully completing the course

Introduction to Industry 4.0 and Industrial

Internet of Things

with a consolidated score of **80** %

Online Assignments	24.35/25	Proctored Exam	55.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **10498**

Jan-Apr 2024

(12 week course)

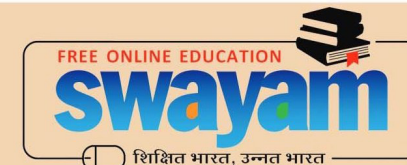


Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

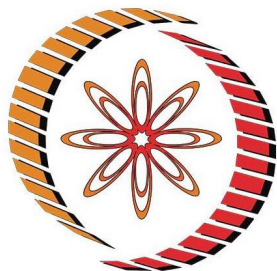


Roll No: NPTEL24CS34S557802108

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

SHIRISH MOHAN DUBEY

for successfully completing the course

Introduction to Database Systems

with a consolidated score of **50** %

Online Assignments	20.06/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1159**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

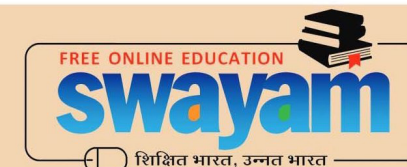
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

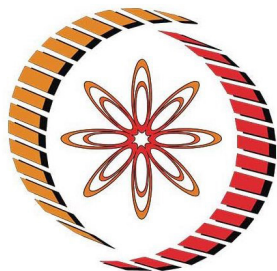


Roll No: NPTEL24CS55S557800621

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

SHIRISH MOHAN DUBEY

for successfully completing the course

Operating System Fundamentals

with a consolidated score of **50** %

Online Assignments	19.91/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1433**

Jul-Oct 2023

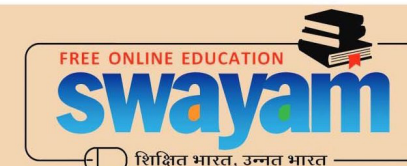
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

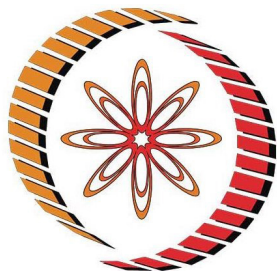


Roll No: NPTEL23CS123S737802670

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

GEETA TIWARI

for successfully completing the course

Problem Solving through Programming In C

with a consolidated score of **60** %

Online Assignments	24.06/25	Proctored Exam	36/75
--------------------	----------	----------------	-------

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

Jan-Apr 2024

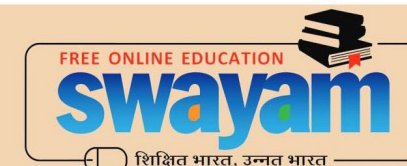
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

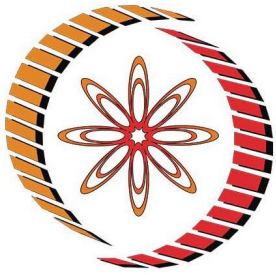


Roll No: NPTEL24CS42S557800003

To verify the certificate

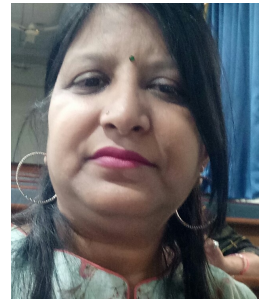


No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

GEETA TIWARI

for successfully completing the course

Compiler Design

with a consolidated score of **53** %

Online Assignments	19.91/25	Proctored Exam	33/75
--------------------	----------	----------------	-------

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

Jan-Apr 2024

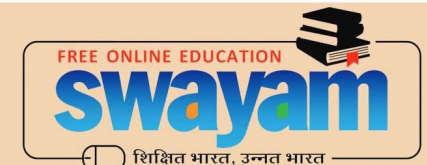
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

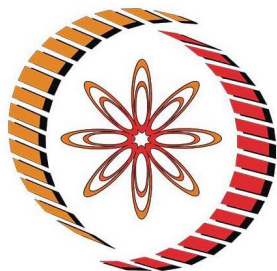


Roll No: NPTEL24CS18S1057801520

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

PRADEEP KUMAR

for successfully completing the course

Engineering Mathematics - II

with a consolidated score of **71** %

Online Assignments	20.03/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **127**

Jan-Apr 2024

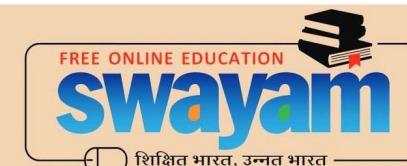
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

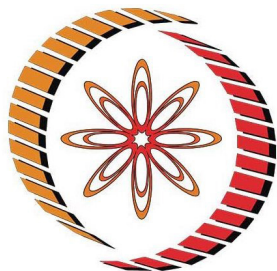


Roll No: NPTEL24MA17S1157800884

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

SHILPA KALRA

for successfully completing the course

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

with a consolidated score of **67** %

Online Assignments	24.69/25	Proctored Exam	42.38/75
--------------------	----------	----------------	----------

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

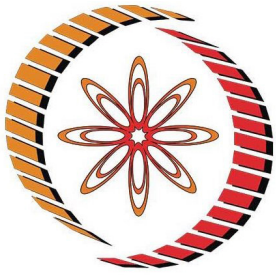


Roll No: NPTEL24GE07S1157801096

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

APPOORVA BANSAL

for successfully completing the course

Introduction to Database Systems

with a consolidated score of **57** %

Online Assignments	19.53/25	Proctored Exam	37.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1159**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

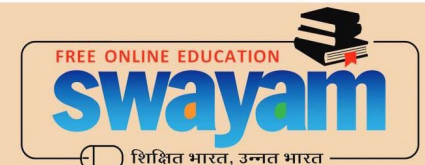
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

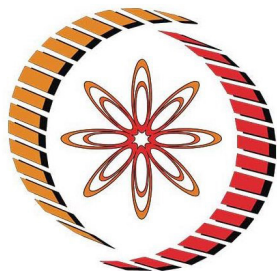


Roll No: NPTEL24CS55S657802742

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

APPOORVA BANSAL

for successfully completing the course

Programming in Modern C++

with a consolidated score of **60** %

Online Assignments	13.69/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **959**

Jan-Apr 2024

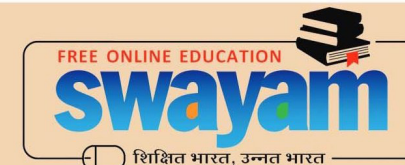
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

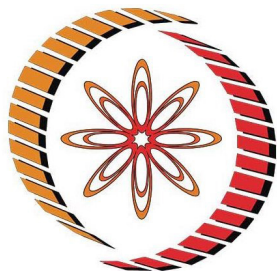


Roll No: NPTEL24CS44S1257800594

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

DEVENDRA NATH PATHAK

for successfully completing the course

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

with a consolidated score of **56** %

Online Assignments	22.5/25	Proctored Exam	33.75/75
--------------------	---------	----------------	----------

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

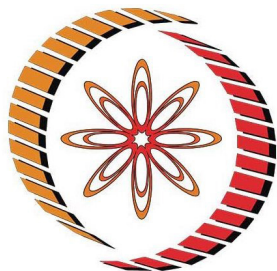


Roll No: NPTEL24GE07S1257801373

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

NEETU

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **65** %

Online Assignments	21.06/25	Proctored Exam	43.62/75
--------------------	----------	----------------	----------

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

Jan-Apr 2024

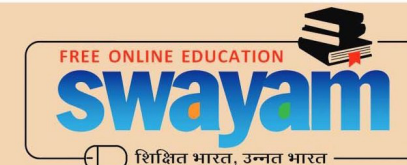
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

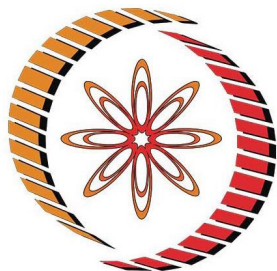


Roll No: NPTEL24CS19S357800270

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

RACHIT SAXENA

for successfully completing the course

Smart Grid: Basics to Advanced Technologies

with a consolidated score of **60** %

Online Assignments	18.75/25	Proctored Exam	41.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2466**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

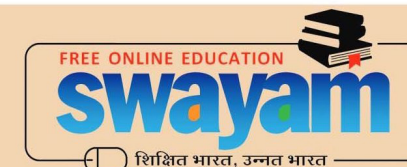
Jan-Apr 2024

(12 week course)

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



Indian Institute of Technology Roorkee



Roll No: NPTEL24EE37S957802004

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

ANJULI

for successfully completing the course

Digital Electronic Circuits

with a consolidated score of **58** %

Online Assignments	16.25/25	Proctored Exam	41.33/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **246**

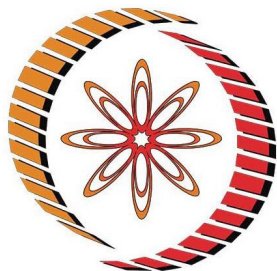
Jan-Apr 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

GEETIKA

for successfully completing the course

Leadership and Team Effectiveness

with a consolidated score of **72** %

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

Total number of candidates certified in this course: **7482**

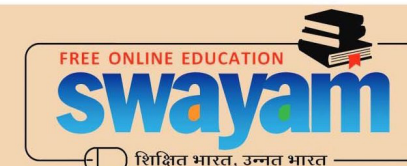
Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2024
(12 week course)

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



Indian Institute of Technology Roorkee

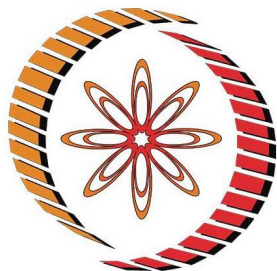


Roll No: NPTEL24MG35S1057801458

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

GEETIKA

for successfully completing the course

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

with a consolidated score of **61** %

Online Assignments	23.44/25	Proctored Exam	37.88/75
--------------------	----------	----------------	----------

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

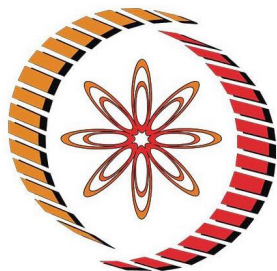


Roll No: NPTEL24GE07S1257800763

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

ANJALI SINGH

for successfully completing the course

Problem Solving Through Programming in C

with a consolidated score of **60** %

Online Assignments	15.56/25	Proctored Exam	44.25/75
--------------------	----------	----------------	----------

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

Jul-Oct 2023

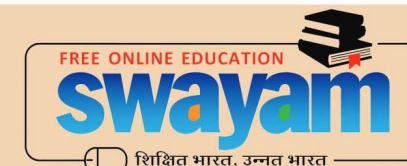
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

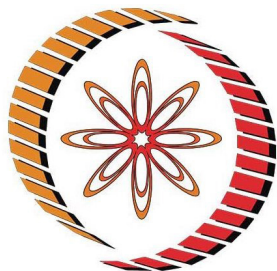


Roll No: NPTEL23CS121S637803462

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

NEHA MAHALA

for successfully completing the course

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

with a consolidated score of **70** %

Online Assignments	24.22/25	Proctored Exam	45.75/75
--------------------	----------	----------------	----------

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

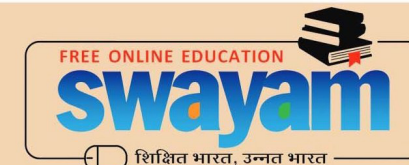
Prof. G. L. Sivakumar Babu
Chairman, Center for Continuing Education
IISc Bangalore

Jan-Apr 2024
(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore

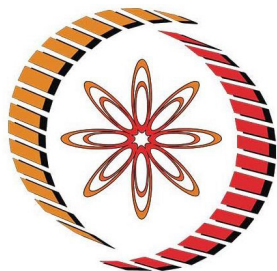


Roll No: NPTEL24GE07S1157800176

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

NEHA MAHALA

for successfully completing the course

Science Communication: Research Productivity and Data Analytics
using Open Source Software

with a consolidated score of **68** %

Online Assignments	19.38/25	Proctored Exam	49/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **272**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

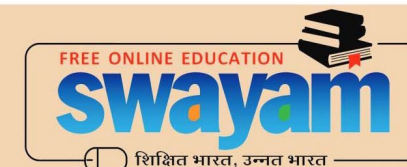
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24HS01S557800649

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

PRIYA SHEKHAWAT

for successfully completing the course

Programming in Java

with a consolidated score of **56** %

Online Assignments	24.25/25	Proctored Exam	31.5/75
--------------------	----------	----------------	---------

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

Jan-Apr 2024

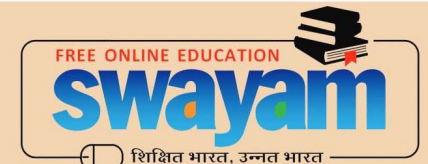
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S957801875

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

SHUBHAM PATEL

for successfully completing the course

Advanced Computer Networks

with a consolidated score of **55** %

Online Assignments	17.03/25	Proctored Exam	38/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **761**

Prof. Amit Prashant
Dean, Research and Development
IIT Gandhinagar

Dr. Devendra Deshmukh,
Dean of Academic Affairs (DOAA),
Indian Institute of Technology Indore

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



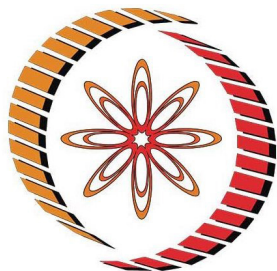
IIT Indore



IIT Gandhinagar

Jan - Apr 2024
(12 week course)





NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

KESHAV DEV GUPTA

for successfully completing the course

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

with a consolidated score of **54** %

Online Assignments	24.06/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

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

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

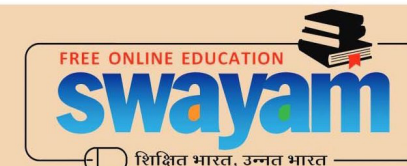
Jan-Apr 2024

(12 week course)

Prof. L. Umanand
NPTEL Coordinator
IISc Bangalore



Indian Institute of Science Bangalore

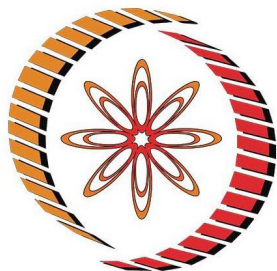


Roll No: NPTEL24GE07S1157800054

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

KESHAV DEV GUPTA

for successfully completing the course

Programming in Java

with a consolidated score of **64** %

Online Assignments	24.94/25	Proctored Exam	39.5/75
--------------------	----------	----------------	---------

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

Jan-Apr 2024

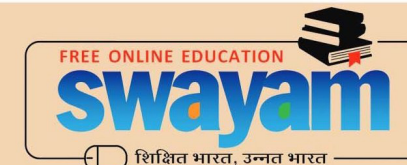
(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S957800026

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 BRIJRAJ SINGH SOLANKI
for successfully completing the course



Computer Networks and Internet Protocol

with a consolidated score of **90** %

Online Assignments	24.38/25	Proctored Exam	65.63/75
--------------------	----------	----------------	----------

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

Jan-Apr 2024

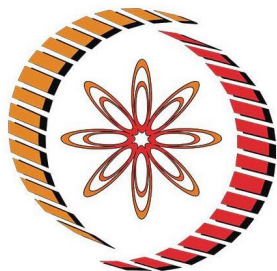
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

AYUSH MEENA

for successfully completing the course

Concrete Technology

with a consolidated score of **66** %

Online Assignments	21.44/25	Proctored Exam	44.25/75
--------------------	----------	----------------	----------

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

Devendra Jaliha

Prof. Devendra Jaliha

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

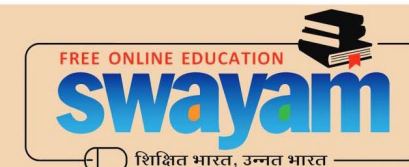
Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

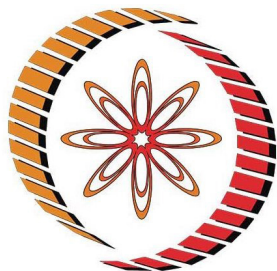


Roll No: NPTEL24CE46S1057801383

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

AYUSH MEENA

for successfully completing the course

Basic Construction Materials

with a consolidated score of **66** %

Online Assignments	19.91/25	Proctored Exam	45.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1001**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

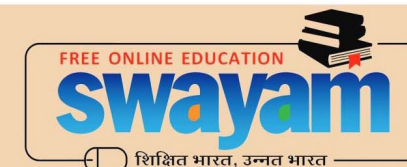
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

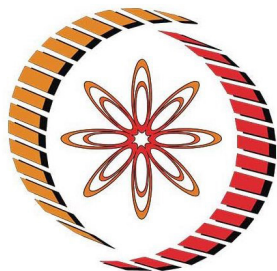


Roll No: NPTEL24CE06S1257800637

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

ARCHANA BHARDWAJ

for successfully completing the course

Air Pollution and Control

with a consolidated score of **48** %

Online Assignments	13.13/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

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

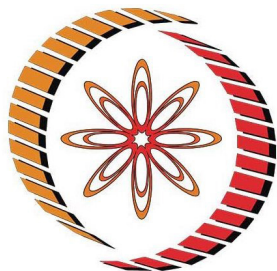


Roll No: NPTEL24CE03S1057801147

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
NARENDRA KUMAR BHADHANA
for successfully completing the course



Basic Construction Materials

with a consolidated score of **79** %

Online Assignments	20.22/25	Proctored Exam	59.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1001**

Devendra Jali hal

Prof. Devendra Jali hal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Apr 2024

(12 week course)

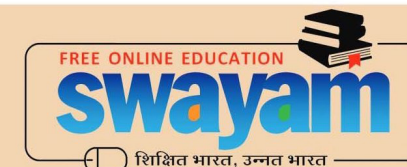
Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras

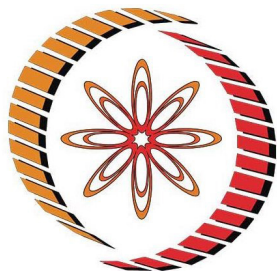


Roll No: NPTEL24CE06S1157800141

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
NARENDRA KUMAR BHADHANA
for successfully completing the course

Concrete Technology

with a consolidated score of **68** %

Online Assignments	22.38/25	Proctored Exam	45.92/75
--------------------	----------	----------------	----------

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)

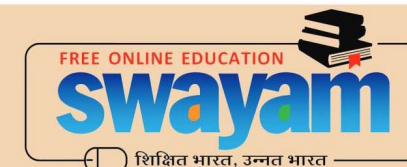
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CE46S957800307

To verify the certificate



No. of credits recommended: 3 or 4



POORNIMA
COLLEGE OF ENGINEERING

An autonomous institution approved by RTU, AICTE & UGC • NAAC A+ Accredited



Development of e-Content

ISI-6, RIICO Institutional Area, Sitapura, Jaipur-302022 (Rajasthan)
• Phone: +91-9829255102, +91-9414728922 • E-mail: principal.pce@poornima.org
• Website: www.pce.poornima.org

1. YouTube channel by Faculty Member's- Mr. Amit Mandal (ME-PCE)

<https://www.youtube.com/@Dr.AmitMandal/playlists>

Created playlists

Thumbnail	Title	View Count	Action
	GATE mechanical engineering popular 20 videos GATE...	20	View full playlist
	Belt drive theories	3	View full playlist
	IC engines topics	20	View full playlist
	Bouyancy and stability criterion lectures	3	View full playlist
	Thermodynamics important lectures	37	View full playlist
	Wheel angles of automobile	3	View full playlist
	Fluid Mechanics Important lecture series	35	View full playlist
	Brayton cycle, regeneration, reheat and intercooling in...	7	View full playlist
	Turbomachines	12	View full playlist
	Wind turbine, momentum theory and blade element theory	4	View full playlist
	Thermodynamics important lectures	2	View full playlist
	Fluid Mechanics Important lecture series	10	View full playlist
	Brayton cycle, regeneration, reheat and intercooling in...	7	View full playlist
	Turbomachines	6	View full playlist
	Wind turbine, momentum theory and blade element theory	5	View full playlist

Home Videos Playlists Community Store

Thumbnail	Title	View Count	Action
	Buoyancy and stability criterion lectures	3 videos	View full playlist
	Thermodynamics important lectures	38 videos	View full playlist
	Wheel angles of automobile	3 videos	View full playlist
	Fluid Mechanics Important lecture series	38 videos	View full playlist
	Brayton cycle, regeneration, reheat and intercooling in ...	7 videos	View full playlist
	Turbomachines, rotodynamic machines	13 videos	View full playlist
	Wind turbine, momentum theory and blade element ...	4 videos	View full playlist
	Wind turbine momentum theory without and with wake	2 videos	View full playlist
	Simple Harmonic Motion and connected theories	10 videos	View full playlist
	Boiler Theory	6 videos	View full playlist
	Double degree of freedom SHM	5 videos	View full playlist
	Gas Power Cycles	5 videos	View full playlist
	Pump Basics, centrifugal and reciprocating	7 videos	View full playlist
	Gas turbine basics, PV and TS diagram, Regeneration ...	5 videos	View full playlist
	Psychrometry basics, Complete theory	5 videos	View full playlist

2. YouTube channel by Faculty Member's- Dr. Piyusha

<https://www.youtube.com/@advancedmathematicswithdrpiyus>

youtube.com/@advancedmathematicswithdrpiyus

Search

Home

Shorts

Subscriptions

You >

History

Playlists

Your videos

Watch Later

Liked videos

Subscriptions

EX-COMMANDER

TED-Ed

Egg Socks

What The Fact!

GetsetflySCIENC...

Techno Tech Invent...

Advanced Mathematics with Dr. Piyusha

@AdvancedMathematicswithDrPiyus · 741 subscribers · 24 videos

In this channel we talk about various topics of Advanced Mathematics which is useful for ...more

Subscribe

Home Videos Playlists

For you

Graph Theory

Isomorphism for Directed Graphs

B. Sc | M. Sc | B. Tech | BCA | CSIR NET | IIT JAM | UPS 15:38

Complex Analysis

Taylor's Series and Laurent's Series with Examples

B. Sc | M. Sc | B. Tech | IIT JAM | CSIR NET | UPSC 26:36

Complex Analysis

- Power Series
- Absolute and Conditional Convergence
- Radius and Circle of Convergence
- Some Solved Problems

18:46

Isomorphism for Directed Graphs | Graph Theory | Discrete Mathematics

Taylor's Series & Laurent's Series | Complex Analysis

Complex Mathematics | Power Series | Radius of Convergence

Complex Analysis

Complex Integration #2

- Simply and Multiply connected regions
- Cauchy's Theorem with proof
- Extension of Cauchy's Theorem for multiply connected region

20:48

Complex Analysis

- Types of Singularities
- Poles
- Zeros

B. Sc | M. Sc | B. Tech | IIT JAM | CSIR NET | UPSC | GATE | Other Exams. 15:35

Complex Analysis

Bilinear Transformation

B. Sc | M. Sc | B. Tech | IIT JAM | CSIR NET | UPSC | GATE | Other Exams. 11:32

Complex Analysis | Complex Integration #2 | Cauchy's theorem | Simply and multiply... 5.8K views · 3 years ago

Complex Analysis | Singularities | Poles | Zeros 18K views · 3 years ago

Bilinear Transformation | Complex Analysis 1.2K views · 3 years ago

Videos

Complex Analysis

Contour Integration # 4

Indenting the contours having poles on the real axis

13:51

Complex Analysis

Contour Integration # 3

Integration around a small semicircle Part 2

13:24

Complex Analysis

Contour Integration # 2

Integration around a small semicircle, Part - 1

17:32

Complex Analysis

Contour Integration # 1

Integration around a unit circle

15:39

Complex Analysis

Bilinear Transformation

11:32

Indenting the contours having poles on the real axis... 777 views · 3 years ago

Contour Integration # 3 | Complex Analysis 259 views · 3 years ago

Contour integration # 2 | Complex Analysis 359 views · 3 years ago

Contour Integration # 1 | Complex Analysis 366 views · 3 years ago

Bilinear Transformation | Complex Analysis 1.2K views · 3 years ago

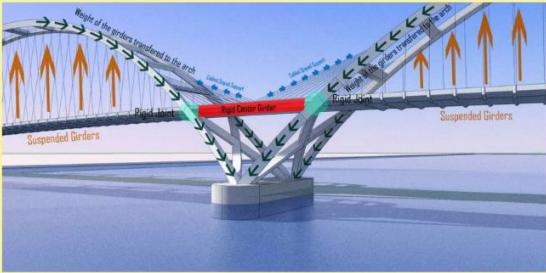
3. Slide share E-content by Faculty Member- Mr. Sanjay Kumawat

<https://www.slideshare.net/sanjaykumawat3150/shear-force-bending-moment-diagram>

← → ↻ slideshare.net/sanjaykumawat3150/shear-force-bending-moment-diagram


slideshare a Scribd company Home Explore Search Upload Login Signup

Ads by Google Stop seeing this ad Why this ad?



SHEAR FORCE AND BENDING MOMENT


PRESENTED BY
Prof. Sanjay Kumawat
Department of Mechanical Engineering
Poornima College of Engineering, Jaipur




Ansys
Simulation Software
Open

Advertisement


Recommended



SFD & BMD
Ravi Vishwakarma
47.7k views • 24 slides



Shear and Moment Diagrams
Anshul • Chapter 6




Shear And Moment Diagrams
Aman • 12 views

← → ↻ slideshare.net/sanjaykumawat3150/mohrs-circle-by-sanjay-kumawat

slideshare a Scribd company Search Upload Download free for 30 days Login





Mohr's circle by Sanjay Kumawat

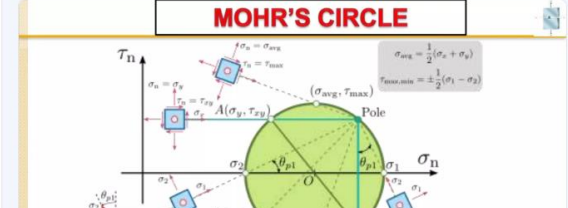
Sep 12, 2017 • Download as PPSX, PDF • 15 likes • 5,364 views • AI-enhanced description

 Sanjay Kumawat Follow

This document describes how to use Mohr's circle to analyze stresses in a stressed material. Mohr's circle provides a graphical representation of the relationships between normal and shear stresses on inclined ...
[Read more](#)

1 of 22 Download now Downloaded 269 times







MOHR'S CIRCLE

Diagram illustrating Mohr's Circle for stress analysis. The circle is plotted on a coordinate system with normal stress (σ_n) on the horizontal axis and shear stress (τ_n) on the vertical axis. The circle passes through points A and B, representing the stress state on two perpendicular planes. The center of the circle is at $(\sigma_{avg}, 0)$, where $\sigma_{avg} = \frac{\sigma_1 + \sigma_2}{2}$. The principal stresses are σ_1 and σ_2 , and the maximum shear stress is τ_{max} . The angle θ_{p1} is shown between the line from the origin to point A and the horizontal axis.


Recommended




Curved beams
temoor abbasa
9 slides • 11.5K views



Study of Strain Energy due to Shear, Bending ...
Jay1997Singhania
18 slides • 20.4K views



Theories of Failure
Kumar Katturaja
10 slides • 44.4K views



Unit 6: Bending and shear Stresses in beams