

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MG05S23341487

To  
ARUNA S  
NO. 12A / 189 PAPAMMAL ST G.K.M. COLONY  
TAMILNADU - 600082  
PH. NO :9940454088



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

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**ARUNA S**

for successfully completing the course



## Financial Statement Analysis and Reporting

with a consolidated score of **75** %

Online Assignments	22.94/25	Proctored Exam	52.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **175**

Prof. V. C. Srivastava  
Coordinator, Continuing Education Centre  
IIT Roorkee

Jan-Apr 2021  
(12 week course)

Prof. Inderdeep Singh  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MG05S23353434

To  
MAGTHALINONACIAL I  
NO: 151 S STREET  
THIRUVALLUVAR NAGAR TONDIARPET  
CHENNAI  
TAMIL NADU - 600081  
PH. NO :8778931653



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

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**MAGTHALINONACIAL I**

for successfully completing the course

## Financial Statement Analysis and Reporting

with a consolidated score of **71** %

Online Assignments	20.22/25	Proctored Exam	51/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **175**

Prof. V. C. Srivastava  
Coordinator, Continuing Education Centre  
IIT Roorkee

Jan-Apr 2021  
(12 week course)

Prof. Inderdeep Singh  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MG05S13341326

To  
R SHARMILA  
5/3 PONNAPPAN STREET  
VYASARPADI  
CHENNAI  
TAMIL NADU - 600039  
PH. NO :9840732588



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

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**R SHARMILA**

for successfully completing the course



## Financial Statement Analysis and Reporting

with a consolidated score of **94** %

Online Assignments	25/25	Proctored Exam	69/75
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Total number of candidates certified in this course: 175

**Prof. V. C. Srivastava**  
Coordinator, Continuing Education Centre  
IIT Roorkee

Jan-Apr 2021  
(12 week course)

**Prof. Inderdeep Singh**  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CS33S21320365

To  
GUNASEELAN C  
NO.27/14-VENKATESWARA COLONY  
SECOND STREET, MMC POST  
CHENNAI  
TAMILNADU - 600051  
PH. NO :9940111214



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

No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**GUNASEELAN C**

for successfully completing the course

**Python for Data Science**

with a consolidated score of **69** %

Online Assignments	23.58/25	Programming Exam	23.25/25	Proctored Exam	22/50
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Total number of candidates certified in this course: **1468**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman  
Centre for Continuing Education, IITM

Jan-Feb 2021  
(4 week course)

*Prof. Andrew Thangaraj*

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



Indian Institute of Technology Madras



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CS06S23340476

To  
**JEYAKUMAR G**  
 NO 5 JAYARAM NAGAR 1ST STREET  
 NERKUNDRAM  
 CHENNAI  
 TAMILNADU - 600107  
 PH. NO :9894786202

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



**No. of credits recommended by NPTEL:2**

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



# NPTEL Online Certification

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



This certificate is awarded to

**JEYAKUMAR G**

for successfully completing the course

**Data Mining**

with a consolidated score of **50** %

Online Assignments	20.42/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **231**

**Prof. G P Raja Sekhar**  
 Dean, Continuing Education  
 IIT Kharagpur

**Feb-Apr 2021**  
 (8 week course)

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



Indian Institute of Technology Kharagpur



Roll No: NPTEL21CS06S23340476

To validate and check scores: <https://nptel.ac.in/noc/>

Roll No: NPTEL21MA01S11330362

To KARPAGAM K  
NO: 75A, ARUL NAGAR MAIN RD,  
IRUMBULIYUR, EAST TAMBARAM,  
CHENNAI  
TAMILNADU - 600059  
PH. NO :9445168341



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 4 Weeks



## NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

**KARPAGAM K**

for successfully completing the course

**Introduction to Probability and Statistics**

with a consolidated score of **61 %**

  
Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Jan-Feb 2021)

  
Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL21MA01S11330362

To validate and check scores: <http://npTEL.ac.in/noc>

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

Roll No: NPTEL21MA06S21320214

To VENKATESAN G  
NO:6,VEERAPANDIAN STREET  
PONNIAMMAN MEDU,KANAGACHATHIRAM  
CHENNAI  
TAMILNADU - 600110  
PH. NO :9790954408



Duration of NPTEL course: 8 Weeks

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



# NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

**VENKATESAN G**

for successfully completing the course

**Introduction to Rings and Fields**

with a consolidated score of **88 %**



  
Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Jan-Mar 2021)

  
Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL21MA06S21320214

To validate and check scores: <http://npTEL.ac.in/noc>

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

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

**Roll No: NPTEL21MA01S21320199**

To  
**J JAYANTHI**  
 NO.4/1 SRIRAMAN SALAI,  
 THANIGACHALAM NAGAR, PONNIYAMMAN MEDU,  
 CHENNAI  
 TAMIL NADU - 600110  
 PH. NO :9952970507

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



**No. of credits recommended by NPTEL:1**

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



# NPTEL Online Certification

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



This certificate is awarded to

**J JAYANTHI**

for successfully completing the course

## Introduction to Probability and Statistics

with a consolidated score of **51** %

Online Assignments	10/25	Proctored Exam	41.33/75
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Total number of candidates certified in this course: **202**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
 Chairman  
 Centre for Continuing Education, IITM

Jan-Feb 2021  
 (4 week course)

*Andrew Thangaraj*

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



Indian Institute of Technology Madras



Roll No: NPTEL21MA01S21320199

To validate and check scores: <https://nptel.ac.in/noc/>



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CS17S13341657  
 To  
 KASTHURI BAI P.T.  
 22,GANESH NAGAR, MMC, MADHAVARAM  
 22,GANESH NAGAR, MMC,MADHAVARAM  
 CHENNAI  
 TAMIL NADU - 600051  
 PH. NO :9884699554

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



No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

## NPTEL Online Certification

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



This certificate is awarded to

**KASTHURI BAI P.T.**

for successfully completing the course

### Introduction to Internet of Things

with a consolidated score of **65** %

Online Assignments	21.85/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **2555**

Prof. G P Raja Sekhar  
 Dean, Continuing Education  
 IIT Kharagpur

Jan-Apr 2021  
 (12 week course)

Prof. Debjani Chakraborty  
 Coordinator, NPTEL  
 IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL21CS17S13341657

To validate and check scores: <https://nptel.ac.in/noc/>

Roll No: NPTEL21MA42S13340473

To GOWRI V  
NO 6 KRISHANAN I CROSS STREET  
CHINNA SEKKADU ,MANALI  
CHENNAI  
TAMILNADU - 600068  
PH. NO :9884206062



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 8 Weeks



# NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

**GOWRI V**

for successfully completing the course

**Introduction to Abstract Group Theory**

with a consolidated score of **76 %**

  
Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Aug-Oct 2021)

  
Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL21MA42S13340473

To validate and check scores: <http://nptel.ac.in/noc>

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

Roll No:NPTEL21BT41S43341719

To DR C CHITRA  
 FLAT NO.3A, BROOKLAND MANOR,  
 NEW NO.14, TURNBULLS ROAD, NANDANAM  
 CHENNAI  
 TAMIL NADU - 600035  
 PH. NO :9790953214



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 12 Weeks



## NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

**DR C CHITRA**

for successfully completing the course

**Environmental Biotechnology**

with a consolidated score of **60 %**

  
 Prof. Andrew Thangaraj  
 NPTEL Coordinator  
 IIT Madras

(Jul-Oct 2021)

  
 Prof. Dileep N. Malkhede  
 Advisor-I (Research, Institute & Faculty Development)  
 All India Council for Technical Education

Roll No: NPTEL21BT41S43341719

To validate and check scores: <http://nptel.ac.in/noc>

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

Roll No: NPTEL21MA06S21320931

To EMMIMAL RAJATHY R  
NO.21/11,2ND STREET,M.G.R NAGAR  
MANALI ROAD,KODUNGAIYUR,CHENNAI-600 118  
CHENNAI  
TAMILNADU - 600118  
PH. NO :9840298346



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 8 Weeks



# NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

**EMMIMAL RAJATHY R**

for successfully completing the course

**Introduction to Rings and Fields**

with a consolidated score of **53 %**



  
Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Jan-Mar 2021)

  
Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL21MA06S21320931

To validate and check scores: <http://npTEL.ac.in/noc>

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

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21BT30S23341680

To  
 JANAKI A  
 NO 28/40  
 13TH STREET  
 CHENNAI  
 TAMILNADU - 600083  
 PH. NO :919710914959

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



No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**JANAKI A**

for successfully completing the course

## Biomedical Nanotechnology

with a consolidated score of **60** %

Online Assignments	20/25	Proctored Exam	40.01/75
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Total number of candidates certified in this course: **770**

**Prof. V. C. Srivastava**  
 Coordinator, Continuing Education Centre  
 IIT Roorkee

Aug-Sep 2021  
 (4 week course)

**Prof. Priti Maheshwari**  
 NPTEL Coordinator  
 IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL21BT30S23341680

To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CS06S23340482  
 To  
 UMA MAHESWARI V  
 NEW NO 70 OLD NO 28 B  
 KALYANA SUNDARAM STREET PERAMBUR  
 CHENNAI  
 TAMILNADU - 600011  
 PH. NO :9884486150

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



No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to  
**UMA MAHESWARI V**  
 for successfully completing the course

## Data Mining

with a consolidated score of **61** %

Online Assignments	21.67/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **231**

Prof. G P Raja Sekhar  
 Dean, Continuing Education  
 IIT Kharagpur

Feb-Apr 2021  
 (8 week course)

Prof. Debjani Chakraborty  
 Coordinator, NPTEL  
 IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL21CS06S23340482

To validate and check scores: <https://nptel.ac.in/noc/>

Roll No: NPTEL21BT41S33341180

To DR M POONGANI  
NO. 63/69, KAMALA NAGAR 2ND STREET,  
THIRUVOTTIYUR,  
CHENNAI  
TAMIL NADU - 600019  
PH. NO :9840436858



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 12 Weeks



# NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

**DR M POONGANI**



for successfully completing the course

**Environmental Biotechnology**

with a consolidated score of **54 %**

  
Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Jul-Oct 2021)

  
Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL21BT41S33341180

To validate and check scores: <http://nptel.ac.in/noc>

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

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MA01S11332464  
 To  
 AMUDHA N  
 NO 7A DHAYALUAMMAL STREET  
 TAMIZHAR VEDHI CHOOLAIMEDU  
 CHENNAI  
 TAMILNADU - 600094  
 PH. NO :9080765024

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



No. of credits recommended by NPTEL:1

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



# NPTEL Online Certification

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



This certificate is awarded to

**AMUDHA N**

for successfully completing the course

## Introduction to Probability and Statistics

with a consolidated score of **47** %

Online Assignments	16.92/25	Proctored Exam	30/75
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Total number of candidates certified in this course: 202

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
 Chairman  
 Centre for Continuing Education, IITM

Jan-Feb 2021  
 (4 week course)

*Andrew Thangaraj*

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



Indian Institute of Technology Madras



Roll No: NPTEL21MA01S11332464

To validate and check scores: <https://nptel.ac.in/noc>



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CS06S23340485  
 To  
 C VIJAYALAKSHMI  
 NO 28 NARAYANASWAMY GARDEN 9TH STREET  
 R V NAGAR POST  
 CHENNAI  
 TAMILNADU - 600118  
 PH. NO :9087152823

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



No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**C VIJAYALAKSHMI**

for successfully completing the course

**Data Mining**

with a consolidated score of **64** %

Online Assignments	21.67/25	Proctored Exam	42/75
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Total number of candidates certified in this course: **231**

Prof. G P Raja Sekhar  
 Dean, Continuing Education  
 IIT Kharagpur

Feb-Apr 2021  
 (8 week course)

Prof. Debjani Chakraborty  
 Coordinator, NPTEL  
 IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL21CS06S23340485

To validate and check scores: <https://nptel.ac.in/noc/>

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MG97S23290917

To  
K MANGAI  
25/3, E-4 BLOCK, SAHAYADRI APARTMENTS,  
THIRUMAL SRINIVASA NAGAR, KATHIRVEDU  
CHENNAI  
TAMILNADU - 600099  
PH. NO :9444426067



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

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**K MANGAI**

for successfully completing the course

## Introduction to Marketing Essentials

with a consolidated score of **64** %

Online Assignments	21.67/25	Proctored Exam	42/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **559**

Prof. V. C. Srivastava  
Coordinator, Continuing Education Centre  
IIT Roorkee

Jul-Sep 2021  
(8 week course)

Prof. Priti Maheshwari  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MA04S13310061

To  
MANIGANDAN C  
NO.6, F3, VASANTHA VIHAR FLAT,  
SUBBURAYAN STREET, OTTERI, CHENNAI  
CHENNAI  
TAMILNADU - 600012  
PH. NO :9884335949



Score	Type of Certificate
$\geq 90$	Elite+Gold
75-89	Elite+Silver
$\geq 60$	Elite
40-59	Successfully Completed
$< 40$	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**MANIGANDAN C**

for successfully completing the course

## Basic Real Analysis

with a consolidated score of **63** %

Online Assignments	22.69/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **26**

Jan-Apr 2021  
(12 week course)

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



Indian Institute of Technology Bombay



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MA44S23341657

To  
SUCHITA T S  
SATHIYAM ENCLAVE, F1, 7/31, E-TYPE  
8TH ROAD, SIDCO NAGAR, VILLIVAKKAM  
CHENNAI  
TAMILNADU - 600049  
PH. NO :9444086927



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

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**SUCHITA T S**

for successfully completing the course

## Introduction to Abstract and Linear Algebra

with a consolidated score of **65** %

Online Assignments	11.25/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **407**

Prof. G P Raja Sekhar  
Dean, Continuing Education  
IIT Kharagpur

Aug-Oct 2021  
(8 week course)

Prof. Debjani Chakraborty  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MA03S23340896

To  
ELAMPIRAISUDI E  
NO 77 SANJAY NAGAR, M.P.M STREET  
VYASARPADI  
CHENNAI  
TAMILNADU - 600039  
PH. NO :9003128632



Score	Type of Certificate
$\geq 90$	Elite+Gold
75-89	Elite+Silver
$\geq 60$	Elite
40-59	Successfully Completed
$< 40$	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**ELAMPIRAISUDI E**

for successfully completing the course

**Basic Linear Algebra**

with a consolidated score of **74** %

Online Assignments	24.42/25	Proctored Exam	49.5/75
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Total number of candidates certified in this course: **255**

Feb-Apr 2021  
(8 week course)

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



Indian Institute of Technology Bombay



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21MG05S13341323

To  
E R JESSIE KIRUBARANI  
31/16, UDAYASOORIYAN 1ST STREET  
TOLLGATE  
CHENNAI  
TAMILNADU - 600019  
PH. NO :9444572699



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

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**E R JESSIE KIRUBARANI**

for successfully completing the course



## Financial Statement Analysis and Reporting

with a consolidated score of **80** %

Online Assignments	22.63/25	Proctored Exam	57/75
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Total number of candidates certified in this course: **175**

**Prof. V. C. Srivastava**  
Coordinator, Continuing Education Centre  
IIT Roorkee

Jan-Apr 2021  
(12 week course)

**Prof. Inderdeep Singh**  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee

