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**Roll No: NPTEL20HS16S11810009**

**TO**  
ABHIRUP MONDAL  
44/1 HARITAKI BAGAN LANE  
KOLKATA  
WEST BENGAL - 700006  
PH. NO :9748264683



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

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

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



# NPTEL Online Certification

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



This certificate is awarded to  
**ABHIRUP MONDAL**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **54** %

Online Assignments	20.00/25	Proctored Exam	33.75/75
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Total number of candidates certified in this course: **477**

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

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



Indian Institute of Technology Kharagpur





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**Roll No: NPTEL21CS23S11820680**

**TO**  
ADITI MANDAL  
102-C BECHARAM CHATTERJEE ROAD, BEHALA  
102-C BECHARAM CHATTERJEE ROAD, BEHALA  
KOLKATA  
WEST BENGAL - 700061  
PH. NO :8777861558



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:**

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  
**ADITI MANDAL**  
for successfully completing the course

## Data Science for Engineers

with a consolidated score of **61** %

Online Assignments	18.88/25	Proctored Exam	42.25/75
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Total number of candidates certified in this course: **1160**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM



Indian Institute of Technology Madras

*Andrew Thangaraj*

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



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**Roll No: NPTEL21CS14S14350077**

**TO**  
AJAY KUMAR KANJILAL  
VILL-BABHANIA,P.O-HASSAN,P.S-DALKHOLA  
73,AVINASH CH BANERJEE LANE, KOLKATA  
DALKHOLA  
WEST BENGAL - 733209  
PH. NO :7318639801



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:**

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  
**AJAY KUMAR KANJILAL**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **54** %

Online Assignments	24.38/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **1535**

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

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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL20CS58S51810924

TO  
AKASH MUKHERJEE  
23/22B OLD NIMTA ROAD  
BELGHARIA, KOLKATA-700056  
BELGHARIA  
WEST BENGAL - 700056  
PH. NO :7890220851



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

**AKASH MUKHERJEE**

for successfully completing the course

**Programming in Java**

with a consolidated score of **84** %

Online Assignments	24.22/25	Programming Exam	25/25	Proctored Exam	35/50
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Total number of candidates certified in this course: **3157**

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

**Sep-Dec 2020**  
**(12 week course)**

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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL21CS32S23840524

TO  
ARGHADIP NANDI  
SCHOOL PARA, RABINDRAPALLY, PO-MANGALBARI  
WEST BENGAL - 732142  
PH. NO :916296439964



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  
**ARGHADIP NANDI**  
for successfully completing the course



## The Joy of Computing using Python

with a consolidated score of **75** %

Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	25/50
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Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

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

**Jan-Apr 2021**  
(12 week course)

*Andrew Thangaraj*

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



Indian Institute of Technology Madras





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Roll No: NPTEL21HS02S13840213

TO  
ARGHADIP NANDI  
SCHOOLPARA,RABINDRAPALLY,PO-MANGALBARI  
WEST BENGAL - 732142  
PH. NO :91629643996



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:**

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  
**ARGHADIP NANDI**  
for successfully completing the course

## Enhancing Soft Skills and Personality

with a consolidated score of **70** %

Online Assignments	23.04/25	Proctored Exam	46.74/75
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Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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Roll No: NPTEL20MG46S81010031

To  
ANIK KUNDU  
VILL+POST-NASARATPUR  
PS-NADANGHAT,DIST-PURBA BARDHAMAN  
KALINA  
WEST BENGAL - 713519  
PH. NO :7477555214



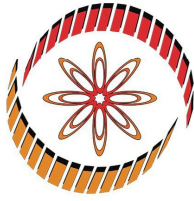
Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

### 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)



Elite



This certificate is awarded to  
**ANIK KUNDU**  
for successfully completing the course

## Innovation, Business Models and Entrepreneurship

with a consolidated score of **78** %

Online Assignments	24.17/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **1938**

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

Prof. Inderdeep Singh  
NPTEL Coordinator  
IIT Roorkee

Sep-Nov 2020  
(8 week course)



Indian Institute of Technology Roorkee



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**Roll No: NPTEL20CS83551810190**

**TO**  
ANIRUDDHA SARKAR  
63 DR. GOPAL CHATTERJEE ROAD, PO-SUKCHAR  
SODEPUR, KOLKATA-700115  
KOLKATA  
WEST BENGAL - 700115  
PH. NO :9432326524



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

**ANIRUDDHA SARKAR**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **86** %

Online Assignments	22.75/25	Programming Exam	25/25	Proctored Exam	38/50
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Total number of candidates certified in this course: **5563**

*Devendra Jalihal*

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

*Prof. Andrew Thangaraj*

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



Indian Institute of Technology Madras



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**Roll No: NPTEL21CS14S13840821**

**TO**  
ANIRUDDHA CHATTERJEE  
69, BIPLABI ULLAS KAR DUTTA ROAD  
BAGHAJATIN  
KOLKATA  
WEST BENGAL - 700086  
PH. NO :8389952872



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

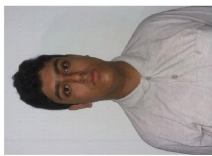
**No. of credits recommended by NPTEL:**

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  
**ANIRUDDHA CHATTERJEE**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **58** %

Online Assignments	24.88/25	Proctored Exam	33.59/75
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Total number of candidates certified in this course: **1535**

  
**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





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**Roll No: NPTEL21CS23S21820158**

**TO**  
ANIRUDDHA CHATTERJEE  
69, BIPLABI ULLAS KAR DUTTA ROAD  
BAGHAJATIN  
KOLKATA  
WEST BENGAL - 700086  
PH. NO :8389952872



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

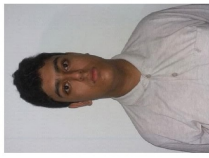
**No. of credits recommended by NPTEL:**

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

**ANIRUDDHA CHATTERJEE**

for successfully completing the course

**Data Science for Engineers**

with a consolidated score of **53** %

Online Assignments	17.21/25	Proctored Exam	35.59/75
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Total number of candidates certified in this course: **1160**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM



Indian Institute of Technology Madras

*Andrew Thangaraj*

**Prof. Andrew Thangaraj**

NPTEL, Coordinator  
IIT Madras



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**Roll No: NPTEL20CS57S31810640**

**TO**  
ANUBHAB DAS  
VIVEKANANDA PALLY, SONARPUR  
DIST- SOUTH 24 PARGANAS, KOLKATA  
KOLKATA  
WEST BENGAL - 700150  
PH. NO :9903267691



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

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

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



**Elite**

# NPTEL Online Certification

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

This certificate is awarded to

**ANUBHAB DAS**

for successfully completing the course

## Programming in C++

with a consolidated score of **75** %

Online Assignments	22.96/25	Programming Exam	25/25	Proctored Exam	27.19/50
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Total number of candidates certified in this course: **267**

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

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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL20CS57S31810599

TO  
ARCHIT KUMAR  
FLAT NO. 6, 2ND FLOOR, USHA APARTMENT  
81 PIRPUKUR ROAD, BANSDRONI  
KOLKATA  
WEST BENGAL - 700070  
PH. NO :9433333875



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

**ARCHIT KUMAR**

for successfully completing the course

**Programming in C++**

with a consolidated score of **75** %

Online Assignments	24.83/25	Programming Exam	25/25	Proctored Exam	25/50
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Total number of candidates certified in this course: **267**

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

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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL20HS43S81810937

TO  
ARCHIT KUMAR  
FLAT NO. 6, 2ND FLOOR, USHA APARTMENT  
81 PIRPUKUR ROAD, BANSDRONI  
KOLKATA  
WEST BENGAL - 700070  
PH. NO :9433333875



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:

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  
**ARCHIT KUMAR**  
for successfully completing the course



## Developing Soft Skills and Personality

with a consolidated score of **88** %

Online Assignments **23.00/25** Proctored Exam **65.26/75**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

Total number of candidates certified in this course: **8393**

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur





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**Roll No: NPTEL21CS32S13840464**

**TO**  
ARCHIT KUMAR  
FLAT NO. 6, 2ND FLOOR, USHA APARTMENT  
81 PIRPUKUR ROAD, BANSDRONI  
KOLKATA  
WEST BENGAL - 700070  
PH. NO :8100238404



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  
**ARCHIT KUMAR**  
for successfully completing the course



## The Joy of Computing using Python

with a consolidated score of **96** %

Online Assignments	24.66/25	Programming Exam	25/25	Proctored Exam	46/50
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Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman

Centre for Continuing Education, IITM

**Jan-Apr 2021**  
(12 week course)

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



Indian Institute of Technology Madras



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**Roll No: NPTEL20MG46S81400212**

**TO**  
ARGHA CHAKRABORTY  
3A/7 DHANDABAG RISHI ARABINDA NAGAR  
AMRAI,A-ZONE  
DURGAPUR  
WEST BENGAL - 713203  
PH. NO :7074507826



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

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

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



**Elite**

# NPTEL Online Certification

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



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



## Innovation, Business Models and Entrepreneurship

with a consolidated score of **75** %

Online Assignments	24.17/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **1938**

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

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

**Sep-Nov 2020**  
(8 week course)



Indian Institute of Technology Roorkee



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Roll No: NPTEL21CS14S23160150

TO  
ARIJIT DUTTA  
VILL+ POST = PUNCHA  
DIST- PURULIA  
PURULIA  
WEST BENGAL - 723151  
PH. NO :9382642059



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:**

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  
**ARIJIT DUTTA**  
for successfully completing the course

**Cloud Computing**

with a consolidated score of **70** %

Online Assignments	24.79/25	Proctored Exam	44.9/75
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Total number of candidates certified in this course: **1535**

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

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

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21CS14S13840770**

**TO**  
ARIJIT GHOSH  
100/3,NEW BASUDEBPUR ROAD,KAMARHATI  
P.O. & P.S.- BELGHARIA, KOLKATA-700056  
KOLKATA  
WEST BENGAL - 700056  
PH. NO :9836150820



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:**

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)



**Elite**



This certificate is awarded to  
**ARIJIT GHOSH**  
for successfully completing the course

**Cloud Computing**

with a consolidated score of **73** %

Online Assignments	24.79/25	Proctored Exam	48.18/75
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Total number of candidates certified in this course: **1535**

  
**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





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**Roll No: NPTEL20MG46S81010078**

**TO**  
ARJUN PAL  
VILLAGE+POST OFFICE-MADHYAM GRAM  
VILLAGE-MADHYAM GRAM, POLICE  
STATION-MONTESWAR, DIST-PURBA BARDHAMAN  
BARDHAMAN  
WEST BENGAL - 713422  
PH. NO :8101903250



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:**

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  
**ARJUN PAL**  
for successfully completing the course

## Innovation, Business Models and Entrepreneurship

with a consolidated score of **70** %

Online Assignments	23.75/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: **1938**

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

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

**Sep-Nov 2020**  
(8 week course)



Indian Institute of Technology Roorkee



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**Roll No: NPTEL21CS21S11820349**

**TO**  
ARUNODAY GHORAI  
SGIL RESIDENZA, BLOCK-1 FLAT -3G  
66/63 JANGALPUR ROAD  
KOLKATA  
WEST BENGAL - 700081  
PH. NO :8902387551

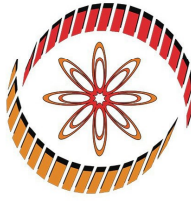


Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

**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  
**ARUNODAY GHORAI**  
for successfully completing the course

## Programming, Data Structures And Algorithms Using Python

with a consolidated score of **74** %

Online Assignments	23.96/25	Programming Exam	25/25	Proctored Exam	25/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **992**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman

Centre for Continuing Education, IITM



Indian Institute of Technology Madras

*Andrew Thangaraj*

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



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Roll No: NPTEL21CS02S21820512

TO  
ASHISH SAH  
3/E CHATTU BABU LANE, KOLKATA-700014  
WEST BENGAL - 700014  
PH. NO :8274849756



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:**

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

**ASHISH SAH**

for successfully completing the course

## Programming in C++

with a consolidated score of **65** %

Online Assignments	22.79/25	Programming Exam	17.75/25	Proctored Exam	24.69/50
--------------------	----------	------------------	----------	----------------	----------

Total number of candidates certified in this course: **280**

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

**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: NPTEL21MG19S13270085**

**TO**  
AVIK MANNA  
VILLAGE+P.O.+P.S.- SHYAMPUR, DIST-HOWRAH  
WEST BENGAL - 711314  
PH. NO :9064878517



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  
**AVIK MANNA**  
for successfully completing the course

## Sales and Distribution Management

with a consolidated score of **73** %

Online Assignments	23.33/25	Proctored Exam	49.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **158**

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

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



Indian Institute of Technology Kharagpur





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**Roll No: NPTEL21CS14S13820080**

**TO**  
AVISEK MONDAL  
5A ANAMIKA APARTMENT  
DAK BUNGALOW ROAD  
MIDNAPORE  
WEST BENGAL - 721101  
PH. NO :7908076244



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:**

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  
**AVISEK MONDAL**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **63** %

Online Assignments	24.38/25	Proctored Exam	39.06/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL20CS57S41810571

TO  
AYUSH JHA  
PAINI KUMARI, SUKNA SILIGURI  
NEAR PAINI KUMARI CHURCH  
SILIGURI  
WEST BENGAL - 734009  
PH. NO :8637835583



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:

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

**AYUSH JHA**

for successfully completing the course

## Programming in C++

with a consolidated score of **69** %

Online Assignments	23.79/25	Programming Exam	25/25	Proctored Exam	20.63/50
--------------------	----------	------------------	-------	----------------	----------

Total number of candidates certified in this course: **267**

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

**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: NPTEL21CS17S13020069**

**TO**  
BRATATI CHAKRABORTY  
1, N.C. MITRA LANE, SONARTARI APARTMENT,  
FLAT NO. - F2, KONNAGAR, HOOGHLY  
KONNAGAR  
WEST BENGAL - 712235  
PH. NO :7003315700



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:**

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

**BRATATI CHAKRABORTY**  
for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **64** %

Online Assignments	17.25/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

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



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: NPTEL21MG19S14230123**

**TO**  
**BIKRAM DAS**  
143/B/1, PICNIC GARDEN ROAD, KOLKATA  
PICNIC GARDEN  
KOLKATA  
WEST BENGAL - 700039  
PH. NO :9804460361



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

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

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



# NPTEL Online Certification

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



This certificate is awarded to

**BIKRAM DAS**

for successfully completing the course

## Sales and Distribution Management

with a consolidated score of **51** %

Online Assignments	20.83/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **158**

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

**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: NPTEL21CS14S13840761**

**TO**  
RAJASHI CHATTERJEE  
I-002 KUNTAL III, SUBARNABHOOMI  
HOUSING COMPLEX 36, GORAKSHABASI ROAD  
KOLKATA  
NORTH 24 PARGANAS - 700028  
PH. NO :9163855820



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

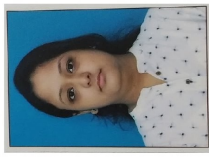
**No. of credits recommended by NPTEL:**

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  
**RAJASHI CHATTERJEE**  
for successfully completing the course



**Cloud Computing**

with a consolidated score of **80** %

Online Assignments	24.88/25	Proctored Exam	54.95/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

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

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

**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: NPTEL21HS07S21740007

TO  
CHAYAN DAS  
KALYAN GRAM, NORTH BARRACKPORE [M]  
NORTH 24 PARGANAS  
KOLKATA  
WEST BENGAL - 743122  
PH. NO :7044750127



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  
**CHAYAN DAS**  
for successfully completing the course



## Soft Skill Development

with a consolidated score of **75** %

Online Assignments	19.17/25	Proctored Exam	55.87/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2267**

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

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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL20MG46S81810132

TO  
BISWAJIT DANDAPAT  
POST OFFICE- DHARAMPUR  
VILLAGE - PARULIA, POLICE STATION-  
LALGARH, DISTRICT- JHARGRAM  
JHARGRAM  
WEST BENGAL - 721516  
PH. NO :7478051298



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:

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  
**BISWAJIT DANDAPAT**  
for successfully completing the course

## Innovation, Business Models and Entrepreneurship

with a consolidated score of **58** %

Online Assignments	23.33/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1938**

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

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

Sep-Nov 2020  
(8 week course)



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: NPTEL20MM17551810362

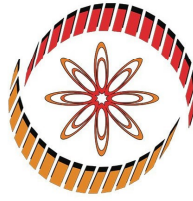
TO  
DEBASISH DAS  
VILL SRIRAMPUR, PO BELSINGHA, PS FALTA,  
DIST SOUTH 24 PARAGANAS, PIN-743504  
WEST BENGAL - 743504  
PH. NO :8317804369



### No. of credits recommended by NPTEL:

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

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



# NPTEL Online Certification

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



This certificate is awarded to  
**DEBASISH DAS**  
for successfully completing the course

## Physics of Materials

with a consolidated score of **56** %

Online Assignments	18.09/25	Proctored Exam	38/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **50**

*Devendra Jalihal*

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

*Prof. Andrew Thangaraj*

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



Indian Institute of Technology Madras





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**Roll No: NPTEL21CS14S13840755**

**TO**  
DEBARAN DAS  
44,RABINDRA PALLY MAIN ROAD, P.O.-NIMTA  
RABINDRA PALLY MAIN ROAD,NIMTA  
KOLKATA  
WEST BENGAL - 700049  
PH. NO :8017626710



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:**

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  
**DEBARAN DAS**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **72** %

Online Assignments	24.79/25	Proctored Exam	47.4/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1535**

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

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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL20CS75S41810228

TO  
DEBASHIS GANGULY  
BG-173,P.O-KRISHNAPUR,KOLKATA-700102  
WEST BENGAL - 700102  
PH. NO :9748777055



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:**

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  
**DEBASHIS GANGULY**  
for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **62** %

Online Assignments	24.17/25	Proctored Exam	38.27/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

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

**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: NPTEL21CS14S13840749**

**TO**  
**DEBASHIS GANGULY**  
BG-173,P.O-KRISHNAPUR,KOLKATA-700102  
WEST BENGAL - 700102  
PH. NO :9748777055



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

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

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



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to  
**DEBASHIS GANGULY**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **71** %

Online Assignments	24.58/25	Proctored Exam	46.35/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL20CS75S41810313

TO  
DEBSMITA BANERJEE  
59/1, BIREN ROY ROAD (WEST),  
PARISPARA  
KOLKATA  
WEST BENGAL - 700008  
PH. NO :6291445092



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  
**DEBSMITA BANERJEE**  
for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **68** %

Online Assignments	23.33/25	Proctored Exam	44.39/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

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

**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/>

RoII No: NPTEL20HS48S61810666

TO  
PARANTAP DEV  
NEPALI PARA, BALURGHAT, DAKSHIN DINAJPUR  
KSHUDIRAM SARANI  
BALURGHAT  
WEST BENGAL - 733101  
PH. NO :8918686101



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  
**PARANTAP DEV**  
for successfully completing the course

## Human Resource Development

with a consolidated score of **63** %

Online Assignments	22.91/25	Proctored Exam	39.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **816**

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

**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: NPTEL20MG46S81810835

TO  
DEV SAHA  
20 NO STATION ROAD , NALTA  
WEST BENGAL - 700028  
PH. NO :9875605927



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:**

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

**DEV SAHA**

for successfully completing the course

## Innovation, Business Models and Entrepreneurship

with a consolidated score of **62** %

Online Assignments	22.92/25	Proctored Exam	39/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1938**

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

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

Sep-Nov 2020  
(8 week course)



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: NPTEL20CS75S41790008**

**TO**  
DIMITRI GHOSH  
C/O DEBASISH GHOSH, NEAR KD COLLEGE OF  
COMMERCE, KSHUDIRAMNAGAR, MIDNAPORE,  
PASCHIM MEDINIPUR  
KSHUDIRAMNAGAR, MIDNAPORE  
MIDNAPORE  
WEST BENGAL - 721101  
PH. NO :7477855003



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:**

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  
**DIMITRI GHOSH**  
for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **53** %

Online Assignments	22.50/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

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

**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: NPTEL21MG19S24230104**

**TO**  
DIPANKAR CHAUHAN  
LB-11/22 ASHWININAGAR, BAGUIHATI KOLKATA  
WEST BENGAL - 700159  
PH. NO :6290856632



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:**

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  
**DIPANKAR CHAUHAN**  
for successfully completing the course

## Sales and Distribution Management

with a consolidated score of **60** %

Online Assignments	22.92/25	Proctored Exam	36.74/75
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Total number of candidates certified in this course: **158**

  
**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





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: NPTEL21CS14S13840746**

**TO**  
DWAIPAYAN MONDAL  
VILL-NISCHINTAPUR, P.O.-RAJPUR  
NEAR NISCHINTAPUR STAR AGRANI SANGHA  
KOLKATA  
WEST BENGAL - 700149  
PH. NO :9836433159

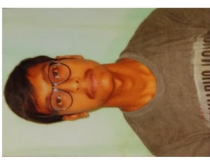


Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

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

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  
**DWAIPAYAN MONDAL**  
for successfully completing the course

**Cloud Computing**

with a consolidated score of **70** %

Online Assignments	20.21/25	Proctored Exam	49.74/75
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Total number of candidates certified in this course: **1535**

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

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

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

**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: NPTEL20MG68S61810752

TO  
MAINAK GHOSH  
70/A, PEARY MOHAN ROY ROAD  
CHETLA  
KOLKATA  
WEST BENGAL - 700027  
PH. NO :6291281966



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:

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  
**MAINAK GHOSH**  
for successfully completing the course

## Marketing Management - I

with a consolidated score of **58** %

Online Assignments	14.17/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **561**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20CS58S61811184

TO  
MANIK GOENKA  
25/1 SWAMI VIVEKANANDA ROAD, KASUNDIA  
FLAT 2C  
HOWRAH  
WEST BENGAL - 711101  
PH. NO :8100560312



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

**MANIK GOENKA**

for successfully completing the course

**Programming in Java**

with a consolidated score of **84** %

Online Assignments	24.81/25	Programming Exam	25/25	Proctored Exam	34/50
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Total number of candidates certified in this course: **3157**

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

**Sep-Dec 2020**  
**(12 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: NPTEL21CS32S23840494**

**TO**  
GULNAZ AFSARA  
41F GULAM JILANI KHANRAODKOLKATA700039  
41G GULAM JILANI KHANRAODKOLKATA700039  
KOLKATA  
WEST BENGAL - 700039  
PH. NO :9903993097



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**

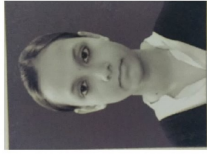
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to

**GULNAZ AFSARA**

for successfully completing the course

## The Joy of Computing using Python

with a consolidated score of **70** %

Online Assignments	24.94/25	Programming Exam	25/25	Proctored Exam	20/50
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Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman

Centre for Continuing Education, IITM

**Jan-Apr 2021**  
(12 week course)

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



Indian Institute of Technology Madras





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**Roll No: NPTEL21HS02S13840174**

**TO**  
GULNAZ AFSARA  
41F GULAM JILANI KHANRAODKOLKATA700039  
41G GULAM JILANI KHANRAODKOLKATA700039  
KOLKATA  
WEST BENGAL - 700039  
PH. NO :9903993097



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:**

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  
**GULNAZ AFSARA**  
for successfully completing the course

## Enhancing Soft Skills and Personality

with a consolidated score of **69** %

Online Assignments	23.63/25	Proctored Exam	44.94/75
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Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL21CS14S13840743**

**TO**  
**GOURAB CHATTERJEE**  
248/23,VINTAGE TOWER  
SHIBTALA STREET, BHADRAKALI,HOOGHLY  
HOOGHLY  
WEST BENGAL - 712232  
PH. NO :9836149627



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:**

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  
**GOURAB CHATTERJEE**  
for successfully completing the course



## Cloud Computing

with a consolidated score of **81** %

Online Assignments	24.79/25	Proctored Exam	56.51/75
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Total number of candidates certified in this course: **1535**

  
**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



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: NPTEL21CS32514350027

TO  
JISHNU ADHIKARY  
B.C. ROAD,OPP:MITALI SANGHA, RAILGATE  
WEST BENGAL - 736101  
PH. NO :919002582634



**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.

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



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to  
**JISHNU ADHIKARY**  
for successfully completing the course

## The Joy of Computing using Python

with a consolidated score of **66** %

Online Assignments	20.69/25	Programming Exam	25/25	Proctored Exam	20/50
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Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman

Centre for Continuing Education, IITM

**Jan-Apr 2021**  
(12 week course)

**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: NPTEL21HS07S22310021

TO  
JISHNU ADHIKARY  
B.C. ROAD, OPP. MITALI SANGHA, RAILGATE  
WEST BENGAL - 736101  
PH. NO :91900258263



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:**

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  
**JISHNU ADHIKARY**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **60** %

Online Assignments	19.21/25	Proctored Exam	40.56/75
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Total number of candidates certified in this course: **2267**

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

**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: NPTEL20CS75S41810374**

**TO** KRISHNENDU DASPRADHAN  
NEAR BHOLA KUNDUS LOK NATH  
MANDIR(KALYANI EXPRESS HIGHWAY), UTTAR  
PRATAPGARH, NIMTA, KOLKATA-700049  
NEAR KALBAT TOTO STAND, KALYANI EXPRESS  
HIGHWAY, UTTAR PRATAPGARH, NIMTA,  
KOLKATA-700049  
WEST BENGAL - 700049  
PH. NO :6289874996

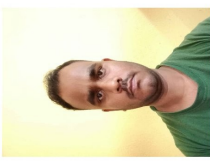


Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

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

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  
**KRISHNENDU DASPRADHAN**  
for successfully completing the course

**Introduction to Operating Systems**

with a consolidated score of **68** %

Online Assignments	22.50/25	Proctored Exam	45.92/75
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Total number of candidates certified in this course: **276**

*Devendra Jalihal*

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

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



Indian Institute of Technology Madras



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**Roll No: NPTEL21MG19S23841140**

**TO**  
SWARALIPI KUMAR  
VILL-RADHANAGAR, PO-AMLAGORA  
DIST-PASCHIM MEDINIPUR  
GARHBETA  
WEST BENGAL - 721121  
PH. NO :7001932893



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  
**SWARALIPI KUMAR**  
for successfully completing the course

## Sales and Distribution Management

with a consolidated score of **69** %

Online Assignments	24.17/25	Proctored Exam	44.39/75
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Total number of candidates certified in this course: **158**

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

**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: NPTEL21CS21S21820748

TO  
KUNAL KAYAL  
VILL-24 NO LAT, P.O.-RAIDIGHI  
RAIDIGHI, BLOCK- MATHURAPUR II  
SOUTH 24 PARGANAS  
WEST BENGAL - 743383  
PH. NO :9091888288



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:

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

**KUNAL KAYAL**

for successfully completing the course



## Programming, Data Structures And Algorithms Using Python

with a consolidated score of **90** %

Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	40/50
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Total number of candidates certified in this course: **992**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM

**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: NPTEL21CS18S13840938**

**TO**  
LABANI SAMANTA  
8NO PAGLADANGA ROAD BASHUDHAPALLY  
KOLKATA-700105  
KOLKATA  
WEST BENGAL - 700105  
PH. NO :8240892853



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:**

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  
**LABANI SAMANTA**  
for successfully completing the course

**Computer Networks and Internet Protocol**

with a consolidated score of **63** %

Online Assignments	23.66/25	Proctored Exam	39.03/75
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Total number of candidates certified in this course: **657**

  
**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





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: NPTEL21CS21S11820428

TO  
BUDDHADIP MUKHERJEE  
VILL.+P.O.+P.S.-BARJORA,SHIBTALA ROAD

BARJORA  
WEST BENGAL - 722202  
PH. NO :7718389717



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

**BUDDHADIP MUKHERJEE**

for successfully completing the course

## Programming, Data Structures And Algorithms Using Python

with a consolidated score of **74** %

Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	23.75/50
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Total number of candidates certified in this course: **992**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman

Centre for Continuing Education, IITM

**Jan-Mar 2021**  
(8 week course)

**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: NPTEL21CS32S23840476**

**TO** MAINAK ADHIKARI  
DHRUBOTARA APPARTMENT,4TH FLOOR,BOREHAT  
NEAR JHAPANTOLA  
BURDWAN  
WEST BENGAL - 713104  
PH. NO :8016586640



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  
**MAINAK ADHIKARI**  
for successfully completing the course

## The Joy of Computing using Python

with a consolidated score of **71** %

Online Assignments	24.81/25	Programming Exam	25/25	Proctored Exam	21/50
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Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman

Centre for Continuing Education, IITM

**Jan-Apr 2021**  
(12 week course)

**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: NPTEL21HS02S13840165**

**TO** MAINAK ADHIKARI  
DHRUBOTARA APARTMENT,4TH FLOOR,BOREHAT  
NEAR JHAPANTOLA  
BURDWAN  
WEST BENGAL - 713104  
PH. NO :8016586640



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:**

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  
**MAINAK ADHIKARI**  
for successfully completing the course

## Enhancing Soft Skills and Personality

with a consolidated score of **70** %

Online Assignments	23.83/25	Proctored Exam	46.51/75
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Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20CS58S61010095**

**TO**  
MANTHAN CHOWDHARY  
SULTANPUR, GUPTIPARA, BALAGARH, HOOGHLY  
GUPTIPARA, BALAGARH  
HOOGHLY  
WEST BENGAL - 712512  
PH. NO :7863915671



**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.

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



**Elite**

# NPTEL Online Certification

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

This certificate is awarded to

**MANTHAN CHOWDHARY**

for successfully completing the course

## Programming in Java

with a consolidated score of **77** %

Online Assignments	20.47/25	Programming Exam	25/25	Proctored Exam	31.5/50
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Total number of candidates certified in this course: **3157**

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

**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: NPTEL20CS58S61811217

To  
ADRIJA CHATTERJEE  
30A/6, CHOWDHURY PARA STREET,  
UTTARPARA, HOOGHLY-712258  
HOOGHLY  
WEST BENGAL - 712258  
PH. NO :7687952655



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

**ADRIJA CHATTERJEE**

for successfully completing the course

**Programming in Java**

with a consolidated score of **80** %

Online Assignments	24.75/25	Programming Exam	25/25	Proctored Exam	30.5/50
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Total number of candidates certified in this course: **3157**

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

**Sep-Dec 2020**  
**(12 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: NPTEL21CS14S23840774**

**TO**  
**MOLAY MONDAL**  
8/1, NATUN PARA, GHOLA ROAD, KOLKATA-700083  
WEST BENGAL - 700083  
PH. NO :6290432691



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:**

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  
**MOLAY MONDAL**  
for successfully completing the course



**Cloud Computing**

with a consolidated score of **75** %

<b>Online Assignments</b>	<b>24.88/25</b>	<b>Proctored Exam</b>	<b>49.73/75</b>
---------------------------	-----------------	-----------------------	-----------------

Total number of candidates certified in this course: **1535**

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

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



Indian Institute of Technology Kharagpur



Roll No:NPTEL21CS14S23840774

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: NPTEL21CS18S13840929

TO  
MONISH GHOSH  
MADHYAMGRAM , ABDALPUR NATUNPALLY  
NEAR SHIV MANDIR  
KOLKATA  
WEST BENGAL - 700155  
PH. NO :7003402129



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:**

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

**MONISH GHOSH**

for successfully completing the course



## Computer Networks and Internet Protocol

with a consolidated score of **75** %

Online Assignments	23.13/25	Proctored Exam	51.51/75
--------------------	----------	----------------	----------

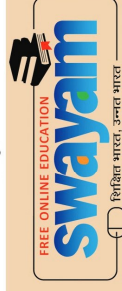
Total number of candidates certified in this course: **657**

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

**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: NPTEL21HS07S11800025**

**TO**  
MRINAL KANTI PATRA  
VILL-KAPGARI,P.O-KAPGARI,P.S-JAMBONI.  
CITY-JHARGRAM,P.O-JHARGRAM,P.S-JHARGRAM.  
KAPGARI  
WEST BENGAL - 721505  
PH. NO :8101536664



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  
**MRINAL KANTI PATRA**  
for successfully completing the course

**Soft Skill Development**

with a consolidated score of **63** %

Online Assignments	21.92/25	Proctored Exam	41.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2267**

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

**Jan-Mar 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: NPTEL20MG68S61810893**

**TO**  
MRITWIKHA BHATTACHARYYA  
63/7A P.G.H SHAH ROAD, JADAVPUR,  
KOLKATA-32  
63/7A P.G.H SHAH ROAD, JADAVPUR,  
KOLKATA-32  
KOLKATA  
WEST BENGAL - 700032  
PH. NO :8777303499



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:**

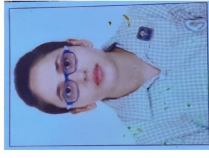
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to

**MRITWIKHA BHATTACHARYYA**

for successfully completing the course

## Marketing Management - I

with a consolidated score of **65** %

Online Assignments	20.42/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **561**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL21CS02S21820628

TO  
ROSHAN MISHRA  
89/88 VIVEKANANDA ROAD  
BANGUR PARK RISHRA  
KOLKATA  
WEST BENGAL - 712248  
PH. NO :8420070594



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  
**ROSHAN MISHRA**  
for successfully completing the course



## Programming in C++

with a consolidated score of **75** %

Online Assignments	24.75/25	Programming Exam	25/25	Proctored Exam	24.88/50
--------------------	----------	------------------	-------	----------------	----------

Total number of candidates certified in this course: **280**

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

**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: NPTEL21CS14S23820094**

**TO**  
SAYAK MUKHOPADHYAY  
VILL.-SARASWATYA,P.O.-SUNDARNAGAR  
DIST.-PURBA MEDINIPUR,P.S.-PANSKURA  
PANSKURA  
WEST BENGAL - 721634  
PH. NO :9083824342



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:**

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  
**SAYAK MUKHOPADHYAY**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **58** %

Online Assignments	25/25	Proctored Exam	32.65/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL21HS07S21820034**

**TO**  
SREEJON BHUNIYA  
T-7 GC SANKALPA-2 ACTION AREA-1  
NEWTOWN RAJARHAT NEAR AXIS MALL  
KOLKATA  
WEST BENGAL - 700156  
PH. NO :9748240110



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:**

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  
**SREEJON BHUNIYA**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **68** %

Online Assignments	18.04/25	Proctored Exam	49.75/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2267**

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

**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: NPTEL21HS02S13420020**

**TO**  
NEELENDU MUKHERJEE  
A/17 ABANINDRA BITHI, CITY CENTRE  
DURGAPUR-713216  
DURGAPUR  
WEST BENGAL - 713216  
PH. NO :8370961929



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:**

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

**NEELENDU MUKHERJEE**  
for successfully completing the course



## Enhancing Soft Skills and Personality

with a consolidated score of **76** %

Online Assignments	18.17/25	Proctored Exam	58.28/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL21CS32S23840467

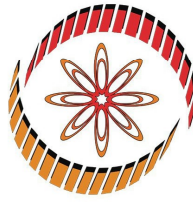
TO  
NIKIT CHOUDHARY  
45/1, INDRA BISWAS ROAD  
BELGACHIA, KOLKATA-700037  
KOLKATA  
WEST BENGAL - 700037  
PH. NO :9123029105



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  
**NIKIT CHOUDHARY**  
for successfully completing the course



## The Joy of Computing using Python

with a consolidated score of **81** %

Online Assignments	24.81/25	Programming Exam	25/25	Proctored Exam	31/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman

Centre for Continuing Education, IITM

Jan-Apr 2021  
(12 week course)

*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: NPTEL21HS02S13840144**

**TO**  
NIKIT CHOUDHARY  
45/1, INDRA BISWAS ROAD  
BELGACHIA, KOLKATA-700037  
KOLKATA  
WEST BENGAL - 700037  
PH. NO :9123029105



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:**

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  
**NIKIT CHOUDHARY**  
for successfully completing the course



**Enhancing Soft Skills and Personality**

with a consolidated score of **82** %

Online Assignments	22.75/25	Proctored Exam	59.63/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

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

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20CS58S61810976

TO  
NITESH KUMAR RAI  
49/5/H/189,KARL MARX SARANI  
KOLKATA-700023  
WEST BENGAL - 700023  
PH. NO :7003301140



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:**

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

**NITESH KUMAR RAI**

for successfully completing the course

**Programming in Java**

with a consolidated score of **87** %

Online Assignments	Programming Exam	Proctored Exam	38.42/50
--------------------	------------------	----------------	----------

Total number of candidates certified in this course: **3157**

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

**Sep-Dec 2020**  
**(12 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: NPTEL20CS58S61810980**

**TO**  
NITISH KUMAR DUBEY  
49/5/H/141KARL MARX SARANI KOL-23  
JNAN BHASKER SCHOOL  
KOLKATA  
WEST BENGAL - 700023  
PH. NO :8582871091



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

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

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



**Elite**

# NPTEL Online Certification

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

This certificate is awarded to

**NITISH KUMAR DUBEY**

for successfully completing the course

## Programming in Java

with a consolidated score of **91** %

Online Assignments	24.75/25	Programming Exam	25/25	Proctored Exam	41/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **3157**

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

**Sep-Dec 2020**  
(12 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: NPTEL21CS11S21820393**

**TO**  
NITISH KUMAR DUBEY  
49/5/H/141KARL MARX SARANI KOL-23  
JNAN BHASKER SCHOOL  
KOLKATA  
WEST BENGAL - 700023  
PH. NO :8582871091

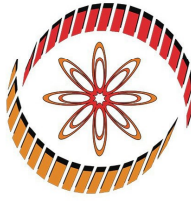


Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

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

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  
**NITISH KUMAR DUBEY**  
for successfully completing the course



**Introduction to Soft Computing**

with a consolidated score of **79** %

<b>Online Assignments</b>	<b>24.13/25</b>	<b>Proctored Exam</b>	<b>55.13/75</b>
---------------------------	-----------------	-----------------------	-----------------

Total number of candidates certified in this course: **166**

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

**Jan-Mar 2021**  
(8 week course)

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

**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: NPTEL21CS14S23190120**

**TO**  
**OGNEEV BHADRA**  
55 STATION ROAD WEST  
PO & PS NEW BARRACKPORE NORTH 24 PGS,  
KOLKATA  
WEST BENGAL - 700131  
PH. NO :6291003722



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:**

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  
**OGNEEV BHADRA**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **71** %

Online Assignments	24.79/25	Proctored Exam	45.92/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL21ME59S23841360**

**TO**  
**RIYA PANJA**  
16/1, PROVAT CHANDRA DEY LANE  
BARANAGAR, NORTH 24 PARAGANAS  
KOLKATA  
WEST BENGAL - 700036  
PH. NO :9073653921



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:**

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  
**RIYA PANJA**  
for successfully completing the course



## Nature and Properties of Materials

with a consolidated score of **81** %

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

Total number of candidates certified in this course: **197**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

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

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur





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: NPTEL21CS01S23190083**

**TO**  
**PARNASHI BISWAS**  
105 CHOWDHURY PARA ROAD BARASAT  
LANDMARK NEAR DESHA PRIYO SANGHA  
BARASAT  
WEST BENGAL - 700124  
PH. NO :7980957428



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**

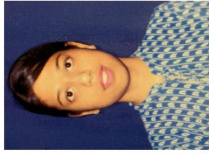
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

**Elite**



# NPTEL Online Certification

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



This certificate is awarded to

**PARNASHI BISWAS**

for successfully completing the course

## Problem Solving through Programming in C

with a consolidated score of **70** %

Online Assignments	24.63/25	Programming Exam	25/25	Proctored Exam	20/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **979**

**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



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: NPTEL21HS02S13190020**

**TO**  
**PARNASHI BISWAS**  
105 CHOWDHURY PARA ROAD BARASAT  
LANDMARK NEAR DESHAPRIYO SANGHA  
BARASAT  
WEST BENGAL - 700124  
PH. NO :7980957428



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:**

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  
**PARNASHI BISWAS**  
for successfully completing the course



**Enhancing Soft Skills and Personality**

with a consolidated score of **82** %

Online Assignments	23.21/25	Proctored Exam	59.18/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20CS70S41170022**

**TO**  
PARTHA BHOWMICK  
VILL+P.O-CHHEKATI, DIST-NORTH 24  
PARGANAS, STATE-WEST BENGAL, PIN-743245  
VILL+P.O-CHHEKATI, DIST-NORTH 24  
PARGANAS, P.S-GAIGHATA, STATE-WEST  
BENGAL, PIN-743245  
CHANDPARA  
WEST BENGAL - 743245  
PH. NO :7001380564



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:**

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

**PARTHA BHOWMICK**

for successfully completing the course  
**Programming, Data Structures and Algorithms  
using Python**

with a consolidated score of **82** %

Online Assignments	24/25	Programming Exam	25/25	Proctored Exam	32.5/50
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Total number of candidates certified in this course: **1579**

*Devendra Jalihal*

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

*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: NPTEL21CS14S23840771**

**TO**  
**BINITA PRATI HAR**  
NEAR BALAKA, RAGHUNATHPUR  
JHARGRAM  
WEST BENGAL - 721507  
PH. NO :7003977924



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:**

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  
**BINITA PRATI HAR**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **70** %

Online Assignments	24.79/25	Proctored Exam	45.53/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL20MG68S51811172

TO  
PRATIM KUMAR MONDAL  
1, HALDER PARA 2ND BYE LANE  
POST OFFICE : SANTRAGACHI, POLICE  
STATION : SHIBPUR  
HOWRAH  
WEST BENGAL - 711104  
PH. NO :8777746925



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:

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  
**PRATIM KUMAR MONDAL**  
for successfully completing the course

## Marketing Management - I

with a consolidated score of **68** %

Online Assignments	22.08/25	Proctored Exam	45.92/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **561**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20MG46S81811007

To  
PRITAM BISWAS  
SONA GAON,FLAT-04, 2ND FLOOR  
16,GOALAPARA ROAD ,SASTITALA  
BELGHARIA  
WEST BENGAL - 700056  
PH. NO :8582866904



### No. of credits recommended by NPTEL:

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

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

# Elite NPTEL Online Certification

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



This certificate is awarded to  
**PRITAM BISWAS**  
for successfully completing the course



## Innovation, Business Models and Entrepreneurship

with a consolidated score of **80** %

Online Assignments **24.17/25** Proctored Exam **55.5/75**

Total number of candidates certified in this course: **1938**

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

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

Sep-Nov 2020  
(8 week course)



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: NPTEL20CS66S81811752**

**TO**  
PRITAM NANDI  
AGARPARA RAM MALIR MATH P.O GHOLA BAZAR  
, A.P.C ROY ROAD, KOL-700111  
AGARPARA RAM MALIR MATH, P.O GHOLA BAZAR  
, A.P.C ROY ROAD, KOL-700111  
KOLKATA  
WEST BENGAL - 700111  
PH. NO :9088498255



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  
**PRITAM NANDI**  
for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **65** %

Online Assignments	21.88/25	Proctored Exam	43.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **4785**

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

**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: NPTEL20MG46S81811150

TO  
PRITAM GHOSH  
12/1/2 AMULYA CHARAN ROY LANE  
WEST BENGAL - 711101  
PH. NO :9330063682



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:**

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  
**PRITAM GHOSH**  
for successfully completing the course

## Innovation, Business Models and Entrepreneurship

with a consolidated score of **72** %

Online Assignments	23.75/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1938**

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

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

Sep-Nov 2020  
(8 week course)



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: NPTEL21CS32S13840320**

**TO**  
**PRIYANSHU GUPTA**  
H.I.T. QUARTER, BLOCK-29, TYPE-III(R)  
FLAT NO.5  
HOWRAH  
WEST BENGAL - 711101  
PH. NO :9831930189



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  
**PRIYANSHU GUPTA**  
for successfully completing the course



## The Joy of Computing using Python

with a consolidated score of **79** %

Online Assignments	23.94/25	Programming Exam	25/25	Proctored Exam	30/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman

Centre for Continuing Education, IITM

**Jan-Apr 2021**  
(12 week course)

*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: NPTEL21HS07S21820863**

**TO**  
PRIYANSHU GUPTA  
H.I.T. QUARTER, BLOCK-29, TYPE-III(R)  
FLAT NO. 5  
HOWRAH  
WEST BENGAL - 711101  
PH. NO :9831930189



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:**

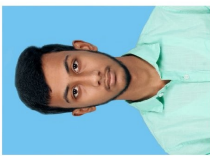
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

**Elite**



# NPTEL Online Certification

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



This certificate is awarded to  
**PRIYANSHU GUPTA**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **63** %

Online Assignments	19.75/25	Proctored Exam	42.86/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2267**

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

**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: NPTEL21CS01S13840606**

**TO**  
PRIYANSHU NASKAR  
HOUSE NO-30 SAHEB BAGAN T.N MUKHERJEE  
OPPOSITE SEVASADAN MAKHLA NO-2  
UTTARPARA  
WEST BENGAL - 712245  
PH. NO :7987195380



**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.

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



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to

**PRIYANSHU NASKAR**

for successfully completing the course

## Problem Solving through Programming in C

with a consolidated score of **72** %

Online Assignments	24.06/25	Programming Exam	25/25	Proctored Exam	23/50
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Total number of candidates certified in this course: **979**

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

**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: NPTEL21HS07S11820225**

**TO**  
PRIYANSHU NASKAR  
HOUSE NO-30 SAHEB BAGAN T.N MUKHERJEE  
OPPOSITE SEVASADAN MAKHLA NO-2  
UTTARPARA  
WEST BENGAL - 712245  
PH. NO :7987195380



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  
**PRIYANSHU NASKAR**  
for successfully completing the course

**Soft Skill Development**

with a consolidated score of **72** %

Online Assignments	19.96/25	Proctored Exam	52.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **2267**

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

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



Indian Institute of Technology Kharagpur





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Roll No: NPTEL20CS75S41810626

TO  
PUSPITA POLLEY  
45/1 KALI BANERJEE LANE , HOWRAH-711101  
WEST BENGAL - 711101  
PH. NO :9191239069



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:

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  
**PUSPITA POLLEY**  
for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **53** %

Online Assignments	23.33/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

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

**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: NPTEL21HS07S22310078**

**TO**  
RAKTIMAYA DUTTA  
VILL- FALAKATA, DIST-ALIPURDUAR  
MADARI ROAD , RABINDRANAGAR MORE  
ALIPURDUAR  
WEST BENGAL - 735211  
PH. NO :9933381609



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:**

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  
**RAKTIMAYA DUTTA**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **51** %

Online Assignments	20.08/25	Proctored Exam	30.62/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2267**

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21CS14S23840765**

**TO** MOUMITA DAS

49 P.K. GUHA ROAD DUM DUM CANTONMENT

DEB INDIA GARDEN, BLOCK-II FLAT-4/D

KOLKATA

WEST BENGAL - 700028

PH. NO :6291412677



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:**

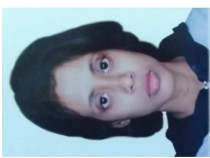
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

**Elite**



**NPTEL Online Certification**

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



This certificate is awarded to  
**MOUMITA DAS**  
for successfully completing the course

**Cloud Computing**

with a consolidated score of **68** %

Online Assignments	25/25	Proctored Exam	42.73/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **1535**

  
**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:NPTEL21CS14S23840765

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: NPTEL20HS16S11810021

TO  
RITOBROTO MUKHERJEE  
67/1, HARI PADA DUTTA LANE  
TOLLYGUNGE  
KOLKATA  
WEST BENGAL - 700033  
PH. NO :9038973169



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  
**RITOBROTO MUKHERJEE**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **70** %

Online Assignments	24.71/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **477**

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

**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: NPTEL21CS04S21010039**

**TO**  
RITOBROTO MUKHERJEE  
67/1, HARI PADA DUTTA LANE  
TOLLYGUNGE  
KOLKATA  
WEST BENGAL - 700033  
PH. NO :9038973169



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

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

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



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to  
**RITOBROTO MUKHERJEE**  
for successfully completing the course

## Data Base Management System

with a consolidated score of **83** %

Online Assignments	22.5/25	Proctored Exam	60/75
--------------------	---------	----------------	-------

Total number of candidates certified in this course: **892**

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

**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: NPTEL21MG19S23841143

TO  
RICK ROY  
SABITRI MENSON, RADHA KRISHNO MORE  
WEST BENGAL - 723101  
PH. NO :8967967936



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:**

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  
**RICK ROY**  
for successfully completing the course

## Sales and Distribution Management

with a consolidated score of **69** %

Online Assignments	24.17/25	Proctored Exam	44.39/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **158**

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

**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: NPTEL21CS14S23840762

TO  
RIKTAM KUNDU  
6-M.G. ROAD, PATNA VIVEKANANDA PALLY  
P.O & P.S - NIMTA  
KOLKATA  
WEST BENGAL - 700049  
PH. NO :8777016712



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:

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  
**RIKTAM KUNDU**  
for successfully completing the course



## Cloud Computing

with a consolidated score of **85** %

Online Assignments	24.67/25	Proctored Exam	60.08/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL20CS75S41810442**

**TO**  
SUMIT PAUL  
20, KHUDIRAM SARANI, DUM DUM, AIRPORT  
GATE NO. 1, PO : ITALGACHA  
20, KHUDIRAM SARANI, DUM DUM, AIRPORT  
GATE NO. 1, PO : ITALGACHA  
KOLKATA  
WEST BENGAL - 700079  
PH. NO :9088925230



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:**

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

**SUMIT PAUL**

for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **60** %

Online Assignments	23.33/25	Proctored Exam	36.21/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM

**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: NPTEL20MG40S31810220**

**TO**  
RISHAV JAIN  
LAXMI PAPER HOUSE, COLLEGE ROAD,  
ANANDAPALLY, KARIMPUR, NADIA  
33 1ST BYE LANE FAZIR BAZAR HOWAH  
KARIMPUR  
WEST BENGAL - 741152  
PH. NO :8240690594



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

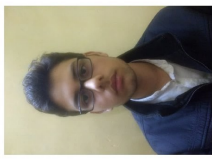
**No. of credits recommended by NPTEL:**

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  
**RISHAV JAIN**  
for successfully completing the course

## Knowledge Management

with a consolidated score of **55** %

Online Assignments	20.58/25	Proctored Exam	34.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **116**

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21CS01S13190006**

**TO**  
ROHAN MONDAL  
BAMUNMURA, SITALATALA ROAD , 24PGNS (N)  
BARASAT, WEST BENGAL  
BARASAT  
WEST BENGAL - 700128  
PH. NO :7980759834



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

**ROHAN MONDAL**

for successfully completing the course



## Problem Solving through Programming in C

with a consolidated score of **75** %

Online Assignments	24.94/25	Programming Exam	25/25	Proctored Exam	25.5/50
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Total number of candidates certified in this course: **979**

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21HS07S11170008**

**TO**  
ROHAN MONDAL  
BAMUNIMURA, SITALATALA ROAD , 24PGNS (N)  
BARASAT, WEST BENGAL  
BARASAT,  
WEST BENGAL - 700128  
PH. NO :7980759834



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:**

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  
**ROHAN MONDAL**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **57** %

Online Assignments	22.21/25	Proctored Exam	35.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2267**

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21CS14S13160035**

**TO**  
**RONAK BANERJEE**  
**VILL+POST-BIBARDA**  
**PS- TALDANGRA, DIST- BANKURA**  
**BANKURA**  
**WEST BENGAL - 722152**  
**PH. NO :8617092808**



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:**

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  
**RONAK BANERJEE**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **67** %

Online Assignments	24.67/25	Proctored Exam	42.71/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL21CS32S23760050**

**TO**  
DIPANWITA KUNDU ROY  
6NO. BIJOYNAGAR, NAIHATI, 24PGS(N)  
WEST BENGAL - 743165  
PH. NO :6291906674



**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.

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



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to

**DIPANWITA KUNDU ROY**

for successfully completing the course



## The Joy of Computing using Python

with a consolidated score of **75** %

Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	25/50
--------------------	-------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM

**Jan-Apr 2021**

**(12 week course)**

**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: NPTEL21HS02S13760028**

**TO**  
DIPANWITA KUNDU ROY  
6NO. BIJOYNAGAR, NAIHATI, 24PGS(N)  
WEST BENGAL - 743165  
PH. NO :6291906674



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

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

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



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to

**DIPANWITA KUNDU ROY**

for successfully completing the course

## Enhancing Soft Skills and Personality

with a consolidated score of **65** %

Online Assignments	22.29/25	Proctored Exam	42.63/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

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

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL21CS14S13160041**

**TO**  
**REET ROY**  
HOUSE NO-31, NEAR CHINGANI PRIMARY SCHOOL  
PO+VILLAGE- CHINGANI  
BANKURA  
WEST BENGAL - 722152  
PH. NO :7585080997



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:**

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  
**REET ROY**  
for successfully completing the course



**Cloud Computing**

with a consolidated score of **75** %

<b>Online Assignments</b>	<b>23.92/25</b>	<b>Proctored Exam</b>	<b>50.78/75</b>
---------------------------	-----------------	-----------------------	-----------------

Total number of candidates certified in this course: **1535**

  
**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



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: NPTEL21CS02S11820770**

**TO**  
RITIK ROSHAN SAHU  
GAHAMARI NAGAR HATIARA SARIF RAJARHAT  
GOPALPUR(M), NORTH 24 PARGANAS  
KOLKATA  
WEST BENGAL - 700157  
PH. NO :8240471768



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**

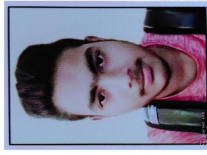
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

**Elite**



# NPTEL Online Certification

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



This certificate is awarded to  
**RITIK ROSHAN SAHU**  
for successfully completing the course



## Programming in C++

with a consolidated score of **86** %

Online Assignments	24.88/25	Programming Exam	25/25	Proctored Exam	35.63/50
--------------------	----------	------------------	-------	----------------	----------

Total number of candidates certified in this course: **280**

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

**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: NPTEL20CS75S41810454

TO  
RUBINA KHATOON  
29 TOLLYGUNGE CIRCULAR ROAD  
WEST BENGAL - 700053  
PH. NO :6291607407



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:

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  
**RUBINA KHATOON**  
for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **53** %

Online Assignments	23.33/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: 276

*Devendra Jalihal*

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

*Prof. Andrew Thangaraj*

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



Indian Institute of Technology Madras



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Roll No: NPTEL20CS75S41810467

TO  
TAPAJYOTI BOSE  
152H  
SARAT GHOSH GARDEN ROAD  
KOLKATA  
WEST BENGAL - 700031  
PH. NO :9007407205



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:

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  
**TAPAJYOTI BOSE**  
for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **66** %

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

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

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

*Prof. Andrew Thangaraj*

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



Indian Institute of Technology Madras



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**Roll No: NPTEL21HS07S21820936**

**TO**  
SAGNIK BASAK  
38J, HARREY KRISHNA SETH LANE, KOL-50  
WEST BENGAL - 700050  
PH. NO :7003997698



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:**

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  
**SAGNIK BASAK**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **72** %

Online Assignments	24.13/25	Proctored Exam	48.22/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2267**

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

**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: NPTEL21CS01S23420124**

**TO**  
SALONI ROY  
2/42 ROCKY PATH, SAIL COOPERATIVE  
CITY CENTRE, DURGAPUR - 713216  
DURGAPUR  
WEST BENGAL - 713216  
PH. NO :9679692935



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

**SALONI ROY**

for successfully completing the course

## Problem Solving through Programming in C

with a consolidated score of **70** %

Online Assignments	24.81/25	Programming Exam	25/25	Proctored Exam	20/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **979**

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

**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: NPTEL21HS02S13420017**

**TO**  
SALONI ROY  
2/42 ROCKY PATH ,SAIL COOPERATIVE  
CITY CENTRE ,DURGAPUR - 713216  
DURGAPUR  
WEST BENGAL - 713216  
PH. NO :9679692935



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:**

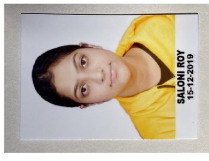
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

**Elite**  
**NPTEL Online Certification**

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



This certificate is awarded to  
**SALONI ROY**  
for successfully completing the course



**Enhancing Soft Skills and Personality**

with a consolidated score of **86** %

Online Assignments	22.96/25	Proctored Exam	63.05/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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**Roll No: NPTEL21HS02S13190005**

**TO**  
SAMIK SARKAR  
PURBASHA, KANTHALTALA,  
GHOLA KANCHARI ROAD, BARASAT  
BARASAT  
WEST BENGAL - 700124  
PH. NO :8961845230

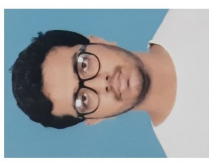


Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

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

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  
**SAMIK SARKAR**  
for successfully completing the course



**Enhancing Soft Skills and Personality**

with a consolidated score of **82** %

Online Assignments	21.42/25	Proctored Exam	60.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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Roll No: NPTEL21CS32523840458

TO  
SANCHITA DAS  
ASWINI DUTTA ROAD SWASTINAGAR  
PANIHATI  
NORTH 24 PARGANAS  
WEST BENGAL - 700114  
PH. NO :9477636234



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

**SANCHITA DAS**

for successfully completing the course

## The Joy of Computing using Python

with a consolidated score of **70** %

Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	20/50
--------------------	-------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM

Jan-Apr 2021  
(12 week course)

*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: NPTEL21HS02S13840138

TO  
SANCHITA DAS  
ASWINI DUTTA ROAD SWASTINAGAR  
PANIHATI  
NORTH 24 PARGANAS  
WEST BENGAL - 700114  
PH. NO :9477636234



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:**

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  
**SANCHITA DAS**  
for successfully completing the course

## Enhancing Soft Skills and Personality

with a consolidated score of **55** %

Online Assignments	23.29/25	Proctored Exam	31.99/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur





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: NPTEL20CS57S41790026

TO  
SANDEEP SHAW  
INDA GOVIND NAGAR, NEAR BHIM MURTI  
KHARAGPUR, PASCHIM MEDINIPUR  
KHARAGPUR  
WEST BENGAL - 721305  
PH. NO :9330535100



**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.

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



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to

**SANDEEP SHAW**

for successfully completing the course

## Programming in C++

with a consolidated score of **71** %

Online Assignments	24.79/25	Programming Exam	25/25	Proctored Exam	21.56/50
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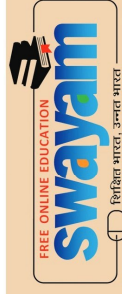
Total number of candidates certified in this course: **267**

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

**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: NPTEL21CS02S11820757

TO  
SANDEEP SHARMA  
44/12/1, D.C. DEY ROAD, KOLKATA  
WEST BENGAL - 700015  
PH. NO :9674417830



**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.

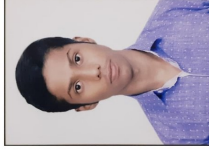
Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



**Elite**

# NPTEL Online Certification

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



This certificate is awarded to  
**SANDEEP SHARMA**  
for successfully completing the course



## Programming in C++

with a consolidated score of **82** %

Online Assignments	24.88/25	Programming Exam	25/25	Proctored Exam	31.88/50
--------------------	----------	------------------	-------	----------------	----------

Total number of candidates certified in this course: **280**

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

**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: NPTEL21CS14S23840759**

**TO**  
SANGRAM MODAK  
VILL. + PO - PUJINI, BLOCK - KATWA 1  
WEST BENGAL, PIN - 713143  
PURBA BARDHAMAN  
WEST BENGAL - 713143  
PH. NO :8617602064



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:**

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  
**SANGRAM MODAK**  
for successfully completing the course



## Cloud Computing

with a consolidated score of **78** %

Online Assignments	25/25	Proctored Exam	53.32/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **1535**

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21MG19S23270059**

**TO**  
SANJIB KUMAR MAITY  
DEPAL SASANBAR, DEPAL  
DEPAL  
RAMNAGAR  
WEST BENGAL - 721453  
PH. NO :9153519171



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:**

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  
**SANJIB KUMAR MAITY**  
for successfully completing the course



**Sales and Distribution Management**

with a consolidated score of **76** %

Online Assignments	24.17/25	Proctored Exam	52.04/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **158**

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

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

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

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



Indian Institute of Technology Kharagpur





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**Roll No: NPTEL21CS14S23840756**

**TO**  
SANKHADEEP MAZUMDER  
51 / 2G SOUTH ROAD  
SANTOSHUPUR  
KOLKATA  
WEST BENGAL - 700075  
PH. NO :8017390306



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:**

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  
**SANKHADEEP MAZUMDER**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **85** %

Online Assignments	24.67/25	Proctored Exam	59.95/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL21CS14S23020132**

**TO**  
SANKHADEEP RAY  
FLAT-303,BLOCK-A,MAA SARADHA  
APARTMENT,10/1 S.B GHOSH LANE  
P.O-MAHESH,P.S-SERAMPORE,DIST-HOOGHLY  
SERAMPORE  
WEST BENGAL - 712202  
PH. NO :6289349769



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:**

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  
**SANKHADEEP RAY**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **66** %

Online Assignments	20.71/25	Proctored Exam	44.9/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1535**

  
**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



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**Roll No: NPTEL21CS18S13840911**

**TO**  
SANTANU GHOSH  
BADAMTALA BHATENDA  
RAJARHAT  
KOLKATA  
WEST BENGAL - 700135  
PH. NO :8697246955



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:**

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  
**SANTANU GHOSH**  
for successfully completing the course



**Computer Networks and Internet Protocol**

with a consolidated score of **78** %

Online Assignments	23.13/25	Proctored Exam	55.1/75
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Total number of candidates certified in this course: **657**

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

**Jan-Apr 2021**  
(12 week course)

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21MG19S24260012**

**TO**  
SAMIUL SARDAR  
VILLAGE - CHAKBARIA, P.O. - KUSTIA  
P.S. - SONARPUR  
SONARPUR  
WEST BENGAL - 743330  
PH. NO :8945559823



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:**

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  
**SAMIUL SARDAR**  
for successfully completing the course

## Sales and Distribution Management

with a consolidated score of **64** %

Online Assignments	22.5/25	Proctored Exam	41.33/75
--------------------	---------	----------------	----------

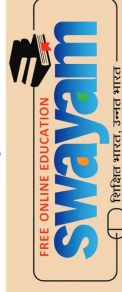
Total number of candidates certified in this course: **158**

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

**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: NPTEL21CE04S11010018**

**TO**  
JYOTISHMAN SARKAR  
CHOUTARA, KAIKALA, HOOGHLY, PIN-712405  
BELIAGHATA, KOLKATA 700010  
HARIPAL, HOOGHLY  
WEST BENGAL - 712405  
PH. NO : 7427980294



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:**

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  
**JYOTISHMAN SARKAR**  
for successfully completing the course

## Plastic Waste Management

with a consolidated score of **52** %

Online Assignments	10.21/25	Proctored Exam	41.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **1651**

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

**Jan-Mar 2021**  
(8 week course)



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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL20CS57S41810451

TO  
SATHI ROY  
67 A PHOOLBAGAN ROAD  
BAGHAJATIN, KOLKATA -700086  
KOLKATA  
WEST BENGAL - 700086  
PH. NO :9330684829



**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.

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



**Elite**

# NPTEL Online Certification

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

This certificate is awarded to

**SATHI ROY**

for successfully completing the course

## Programming in C++

with a consolidated score of **68** %

Online Assignments	22.5/25	Programming Exam	25/25	Proctored Exam	20/50
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Total number of candidates certified in this course: **267**

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

**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: NPTEL20CS58S61811064**

**To**  
SAYAK MONDAL  
107/B DR. G.S BOSE ROAD KOLKATA - 700039  
WEST BENGAL - 700039  
PH. NO :9831567888



**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.

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



**Elite**

# NPTEL Online Certification

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

This certificate is awarded to

**SAYAK MONDAL**

for successfully completing the course

## Programming in Java

with a consolidated score of **89** %

Online Assignments	24.69/25	Programming Exam	25/25	Proctored Exam	39.5/50
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Total number of candidates certified in this course: **3157**

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21CS18S13840908**

**TO**  
SAYAN MONDAL  
GORBAGAN, CHICKRAND (JANAI ROAD)  
NEAR GORBAGAN DURGATALA  
HOOGHLY  
WEST BENGAL - 712304  
PH. NO :9163441006



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:**

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  
**SAYAN MONDAL**  
for successfully completing the course



**Computer Networks and Internet Protocol**

with a consolidated score of **80** %

Online Assignments	23.75/25	Proctored Exam	56.63/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **657**

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

**Jan-Apr 2021**  
(12 week course)

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

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



Indian Institute of Technology Kharagpur





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**Roll No: NPTEL21CS14S23840753**

**TO**  
SAYAN PAUL  
EAST ALIPUR, P.O.- NIMTA, KOLKATA-700049  
WEST BENGAL - 700049  
PH. NO :7278397516



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:**

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  
**SAYAN PAUL**  
for successfully completing the course

## Cloud Computing

with a consolidated score of **73** %

Online Assignments	24.25/25	Proctored Exam	48.72/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1535**

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

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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL21CS18S23190134

TO  
SAYANTAN ROY  
ARUNACHAL, MADHYAMGRAM BAZAR  
WEST BENGAL - 700130  
PH. NO :6291047526



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  
**SAYANTAN ROY**  
for successfully completing the course

## Computer Networks and Internet Protocol

with a consolidated score of **71** %

Online Assignments	23.03/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **657**

  
**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



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Roll No: NPTEL21CS01S23840645

TO  
RAUNAK DASGUPTA  
SATISH KUNJ, 3 SARAT PALLY ROAD  
FLAT 11 - 3RD FLOOR  
KOLKATA  
WEST BENGAL - 700070  
PH. NO :8017778399



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

**RAUNAK DASGUPTA**

for successfully completing the course

## Problem Solving through Programming in C

with a consolidated score of **61** %

Online Assignments	22.35/25	Programming Exam	12.5/25	Proctored Exam	26.5/50
--------------------	----------	------------------	---------	----------------	---------

Total number of candidates certified in this course: **979**

**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



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**Roll No: NPTEL21HS07S11820198**

**TO**  
RAUNAK DASGUPTA  
SATISH KUNJ, 3 SARAT PALLY ROAD  
FLAT 11 - 3RD FLOOR  
KOLKATA  
WEST BENGAL - 700070  
PH. NO :8017778399



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  
**RAUNAK DASGUPTA**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **64** %

Online Assignments	18.58/25	Proctored Exam	45/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **2267**

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

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



Indian Institute of Technology Kharagpur





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**Roll No: NPTEL21HS02S13760001**

**TO**  
SHANTANTIK SAHA  
65/14, P.K. BHATTACHARJEE ROAD  
NEDIARPARA  
KRISHNAGAR  
WEST BENGAL - 741101  
PH. NO :8768409971



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:**

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  
**SHANTANTIK SAHA**  
for successfully completing the course



**Enhancing Soft Skills and Personality**

with a consolidated score of **87** %

Online Assignments	22.04/25	Proctored Exam	64.68/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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Roll No: NPTEL21CS32523840449

TO  
SHOUNAK DAS  
KANTHALPOTA POLICE QUARTER, B/4  
KRISHNAGAR, NADIA  
KRISHNAGAR  
WEST BENGAL - 741101  
PH. NO :918927921993



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

**SHOUNAK DAS**

for successfully completing the course

## The Joy of Computing using Python

with a consolidated score of **70** %

Online Assignments	24.75/25	Programming Exam	25/25	Proctored Exam	20/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM

Jan-Apr 2021  
(12 week course)

*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: NPTEL21HS02S13840135**

**TO**  
**SHOUNAK DAS**  
KANTHALPOTA POLICE QUARTER, B/4  
KRISHNAGAR, NADIA  
KRISHNAGAR  
WEST BENGAL - 741101  
PH. NO :91892792199



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:**

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  
**SHOUNAK DAS**  
for successfully completing the course

## Enhancing Soft Skills and Personality

with a consolidated score of **58** %

Online Assignments	23.04/25	Proctored Exam	35.39/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20CS83561810323**

**To**  
SHUBHODEEP CHANDA  
12, NEPAL CHANDRA CHATTERJEE STREET  
KOLKATA-700057  
SAME  
KOLKATA  
WEST BENGAL - 700057  
PH. NO :9830370545



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  
**SHUBHODEEP CHANDA**  
for successfully completing the course



**The Joy of Computing using Python**

with a consolidated score of **92** %

Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	41.67/50
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Total number of candidates certified in this course: **5563**

*Devendra Jalihal*

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

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

Sep-Dec 2020  
(12 week course)



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: NPTEL21CS01S23840681**

**TO**  
SIDDHARTHA DAS  
VILL.+P.O.-UTTAR JHAPORDAH(MAJHER PARA)  
P.S.-DOMJUR. DIST.- HOWRAH  
DOMJUR  
WEST BENGAL - 711405  
PH. NO :9836792887



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

**SIDDHARTHA DAS**

for successfully completing the course

## Problem Solving through Programming in C

with a consolidated score of **71** %

Online Assignments	23.91/25	Programming Exam	25/25	Proctored Exam	22.5/50
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Total number of candidates certified in this course: **979**

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

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



Indian Institute of Technology Kharagpur



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**Roll No: NPTEL21HS02S13840321**

**TO**  
SIDDHARTHA DAS  
VILL.+P.O.-UTTAR JHAPORDAH(MAJHER PARA)  
P.S.-DOMJUR. DIST.- HOWRAH  
DOMJUR  
WEST BENGAL - 711405  
PH. NO :9836792887



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:**

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  
**SIDDHARTHA DAS**  
for successfully completing the course

## Enhancing Soft Skills and Personality

with a consolidated score of **73** %

Online Assignments	20.21/25	Proctored Exam	53.06/75
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Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20CS75S41810479**

**TO**  
SINJINI DAM  
PRADIP ABASAN, FLAT NO.1D, 21 DURGABARI  
ROAD  
DUM DUM CANTONMENT  
KOLKATA  
WEST BENGAL - 700028  
PH. NO :8017613544



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:**

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

**SINJINI DAM**

for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **53** %

Online Assignments	22.50/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM

**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: NPTEL20CS75S41810491

TO  
SOHAM SINHA  
59/9 AVENUE SOUTH  
FIRST FLOOR, FLAT 2A  
KOLKATA  
WEST BENGAL - 700075  
PH. NO :8777096905



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:

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

**SOHAM SINHA**

for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **54** %

Online Assignments	22.92/25	Proctored Exam	30.62/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

**Prof. Devendra Jalihal**

Chairman  
Centre for Continuing Education, IITM

*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: NPTEL21CS14S23760085

TO  
SOHAM DAS  
A/10/1 FLAT NO. C2  
KALYANI, NADIA  
KALYANI  
WEST BENGAL - 741235  
PH. NO :9007196216



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:**

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  
**SOHAM DAS**  
for successfully completing the course

**Cloud Computing**

with a consolidated score of **64** %

Online Assignments	24.88/25	Proctored Exam	39.03/75
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Total number of candidates certified in this course: **1535**

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

**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: NPTEL21CS32S23840173**

**TO**  
SOHAM SADHUKHAN  
22/7/2/1 ABINASH BANERJEE LANE  
HOWRAH, SHIBPUR  
HOWRAH  
WEST BENGAL - 711104  
PH. NO :9123313741



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  
**SOHAM SADHUKHAN**  
for successfully completing the course



## The Joy of Computing using Python

with a consolidated score of **75** %

Online Assignments	21.66/25	Programming Exam	25/25	Proctored Exam	27/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **3425**

*Devendra Jalihal*

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

**Jan-Apr 2021**  
(12 week course)

**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: NPTEL21HS07S21820880**

**TO**  
SOHAM SADHUKHAN  
22/7/2/1 ABINASH BANERJEE LANE  
HOWRAH, SHIBPUR  
HOWRAH  
WEST BENGAL - 711104  
PH. NO :9123313741



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:**

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  
**SOHAM SADHUKHAN**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **57** %

Online Assignments	18.92/25	Proctored Exam	38.27/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2267**

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

**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: NPTEL20CS83S61170077

To  
SOHAN MISRA  
169/C  
BIDHAN PARK  
BARASAT  
WEST BENGAL - 700124  
PH. NO :8334042063



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

**SOHAN MISRA**

for successfully completing the course

## The Joy of Computing using Python

with a consolidated score of **85** %

Online Assignments	24.81/25	Programming Exam	25/25	Proctored Exam	35.42/50
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Total number of candidates certified in this course: **5563**

*Devendra Jalihal*

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

*TH*

Sep-Dec 2020  
(12 week course)

**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: NPTEL20CS75S41810503

TO  
SOMBIT BOSE  
2/2 R DR PANCHANAN MITRA LANE,  
NEAR SURAKANYA SCHOOL  
KOLKATA  
WEST BENGAL - 700085  
PH. NO :8583855422



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:

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  
**SOMBIT BOSE**  
for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **63** %

Online Assignments	22.92/25	Proctored Exam	39.8/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **276**

*Devendra Jalihal*

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

*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: NPTEL20CS83S61810597

TO  
SOMNATH BERA  
ISHANPARA, SANTOSH PUR, TARAKESWAR, HOOGHLY, WEST  
BENGAL, PIN-712410  
WEST BENGAL - 712410  
PH. NO :8609460144



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

**SOMNATH BERA**

for successfully completing the course

**The Joy of Computing using Python**

with a consolidated score of **82** %

Online Assignments	24.5/25	Programming Exam	25/25	Proctored Exam	32.29/50
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Total number of candidates certified in this course: **5563**

*Devendra Jalihal*

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

*TH*

**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: NPTEL21CS18S23840963**

**To**  
SOUHARDYA MANDAL  
GCECT BOYS HOSTEL, GCECT CAMPUS  
73,ABINASH CH. BANERJEE LANE  
KOLKATA  
WEST BENGAL - 700010  
PH. NO :7797739361



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:**

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  
**SOUHARDYA MANDAL**  
for successfully completing the course



## Computer Networks and Internet Protocol

with a consolidated score of **82** %

Online Assignments	23.97/25	Proctored Exam	58.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **657**

**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



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: NPTEL20CS58S61170141

To  
SOUJIT DUTTA  
PLOT NO- 550, BASUNAGAR,  
MADHYAMGRAM  
WEST BENGAL - 700129  
PH. NO :9903108001



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

**SOUJIT DUTTA**

for successfully completing the course

**Programming in Java**

with a consolidated score of **75** %

Online Assignments	22.44/25	Programming Exam	25/25	Proctored Exam	27.75/50
--------------------	----------	------------------	-------	----------------	----------

Total number of candidates certified in this course: **3157**

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

**Sep-Dec 2020**  
**(12 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: NPTEL20HS43S81170135

To  
SOUJIT DUTTA  
PLOT NO- 550, BASUNAGAR,  
MADHYAMGRAM  
WEST BENGAL - 700129  
PH. NO :9903108001



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:**

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

**SOUJIT DUTTA**

for successfully completing the course

## Developing Soft Skills and Personality

with a consolidated score of **53** %

Online Assignments	14.63/25	Proctored Exam	37.94/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **8393**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL21CS14S23420201**

**TO**  
**SHREYA GANGOPADHYAY**  
**MS-12/7, BENGAL AMBUJA, CITY CENTRE**  
**DURGAPUR**  
**WEST BENGAL - 713216**  
**PH. NO :7557095575**



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

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

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



# NPTEL Online Certification

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



This certificate is awarded to

**SHREYA GANGOPADHYAY**

for successfully completing the course

## Cloud Computing

with a consolidated score of **58** %

<b>Online Assignments</b>	<b>24.58/25</b>	<b>Proctored Exam</b>	<b>33.8/75</b>
---------------------------	-----------------	-----------------------	----------------

Total number of candidates certified in this course: **1535**

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

**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: NPTEL20MG68S51811091**

**TO**  
SOURAV MONDAL  
I. G. MINT COLONY, C.I.S.F. COMPLEX,  
QUARTER NUMBER 51/52, TARATALA, KOLKATA,  
KOLKATA 700053, WEST BENGAL  
KOLKATA  
WEST BENGAL - 700053  
PH. NO :7079881036



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  
**SOURAV MONDAL**  
for successfully completing the course

**Marketing Management - I**

with a consolidated score of **67** %

Online Assignments	19.58/25	Proctored Exam	47.45/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **561**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20CS58S61690069**

**TO**  
SOURAV SARANGI  
VILL-RAMPUR, PO-BARABHUM, PS-BARABAZAR,  
DIST-PURULIA, W.B.  
BARABAZAR  
WEST BENGAL - 723127  
PH. NO :8617876493



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:**

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

**SOURAV SARANGI**

for successfully completing the course

## Programming in Java

with a consolidated score of **89** %

Online Assignments	24.75/25	Programming Exam	25/25	Proctored Exam	39.08/50
--------------------	----------	------------------	-------	----------------	----------

Total number of candidates certified in this course: **3157**

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

**Sep-Dec 2020**  
(12 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: NPTEL21HS02S13840291

TO  
SRIJIT BASU  
P 12-B MADAN MOHAN TALA STREET  
KOLKATA-700005  
KOLKATA  
WEST BENGAL [WB] - 700005  
PH. NO :6290348377



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:**

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  
**SRIJIT BASU**  
for successfully completing the course

**Enhancing Soft Skills and Personality**

with a consolidated score of **65** %

Online Assignments	12.63/25	Proctored Exam	52.16/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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: NPTEL20CS66S81811834**

**TO**  
SUBHADIP NAYEK  
BARUIPUR,MONIDEEP, BEHIND BARUIPUR SUPER  
SPECIALITY HOSPITAL  
S 24 PARGANAS , KOL -700144 WEST BENGAL  
SOUTH 24 PARGANAS  
WEST BENGAL - 700144  
PH. NO :7908948489



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

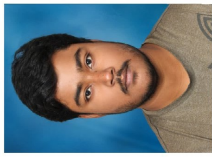
**No. of credits recommended by NPTEL:**

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  
**SUBHADIP NAYEK**  
for successfully completing the course

## Introduction to Internet of Things

with a consolidated score of **57** %

Online Assignments	22.09/25	Proctored Exam	34.5/75
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Total number of candidates certified in this course: **4785**

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

**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: NPTEL21HS07S11140002

TO  
SUMAN SENGUPTA  
93/3 ARABINDA NAGAR, BANKURA (M)  
RAMPUR JUNBEDIA ROAD  
BANKURA  
WEST BENGAL - 722101  
PH. NO :7908304170



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  
**SUMAN SENGUPTA**  
for successfully completing the course

## Soft Skill Development

with a consolidated score of **80** %

Online Assignments	23.33/25	Proctored Exam	57/75
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Total number of candidates certified in this course: **2267**

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

**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: NPTEL21CS18S13760082**

**TO**  
DEBMALYA SUR  
66/5 GIRISH GHOSAL ROAD, NAIHATI, NORTH  
24 PGS  
NAIHATI  
WEST BENGAL - 743165  
PH. NO :9330427919



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:**

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

**DEBMALYA SUR**

for successfully completing the course



## Computer Networks and Internet Protocol

with a consolidated score of **79** %

Online Assignments	23.97/25	Proctored Exam	55.1/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **657**

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

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



Indian Institute of Technology Kharagpur





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Roll No: NPTEL20CS93S61170074

TO  
SWATIK GANGULY  
VILL-NORTH HABRA  
PO-HABRA, P.S-HABRA  
HABRA  
WEST BENGAL - 743263  
PH. NO :8918399758



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  
**SWATIK GANGULY**  
for successfully completing the course



**Introduction to Algorithms and Analysis**

with a consolidated score of **78** %

Online Assignments	23.75/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **489**

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

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

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



Indian Institute of Technology Kharagpur



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Roll No: NPTEL21CS01S23840660

TO  
SYED MUBASHIR ALAM  
56 TALTALA LANE  
WEST BENGAL - 700016  
PH. NO :9330724303



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

**SYED MUBASHIR ALAM**

for successfully completing the course

## Problem Solving through Programming in C

with a consolidated score of **70** %

Online Assignments	24.78/25	Programming Exam	25/25	Proctored Exam	20/50
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Total number of candidates certified in this course: **979**

**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



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Roll No: NPTEL21HS02S13840261

TO  
SYED MUBASHIR ALAM  
56 TALTALA LANE  
WEST BENGAL - 700016  
PH. NO :9330724303



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:**

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  
**SYED MUBASHIR ALAM**  
for successfully completing the course

## Enhancing Soft Skills and Personality

with a consolidated score of **68** %

Online Assignments	21.54/25	Proctored Exam	46.31/75
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Total number of candidates certified in this course: **7339**

**Prof. Rajesh M. Hegde**  
Chairman, Centre for Continuing Education  
IIT Kanpur

**Prof. Satyaki Roy**  
NPTEL Coordinator  
IIT Kanpur



Indian Institute of Technology Kanpur



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Roll No: NPTEL20MG46S81811232

TO  
TANMOY BHUINYA  
VILLAGE & POST- MANSINGHAPUR, BLOCK-  
JAGATBALLAVPUR  
JANA PARA, MANSINGHAPUR, BARGACHIA -2,  
JAGATBALLAVPUR  
HOWRAH  
WEST BENGAL - 711404  
PH- NO :7074939572



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:

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  
**TANMOY BHUINYA**  
for successfully completing the course

## Innovation, Business Models and Entrepreneurship

with a consolidated score of **58** %

Online Assignments	23.75/25	Proctored Exam	34.5/75
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Total number of candidates certified in this course: **1938**

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

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



Indian Institute of Technology Roorkee





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Roll No: NPTEL21CS14S23190117

TO  
AKASH ROY  
BARASAT NOAPARA KALIBARI ROAD KOLKATA  
BARASAT NOAPARA KALIBARI ROAD  
BARASAT  
WEST BENGAL - 700124  
PH. NO :9163611726



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:**

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  
**AKASH ROY**  
for successfully completing the course



AKASH ROY



## Cloud Computing

with a consolidated score of **81** %

Online Assignments	24.38/25	Proctored Exam	57.02/75
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Total number of candidates certified in this course: **1535**

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

**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: NPTEL21CS18S23760081**

**TO**  
TIRTHADWEEP PRAMANIK  
C/O NITIDAS PRAMANIK  
H/O TAPAN KUMAR ROY, BUDHBARHUTTALA  
BETHUADAHARI  
WEST BENGAL - 741126  
PH. NO :8967190139



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  
**TIRTHADWEEP PRAMANIK**  
for successfully completing the course

## Computer Networks and Internet Protocol

with a consolidated score of **67** %

Online Assignments	23.35/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **657**

**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



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**Roll No: NPTEL20CS58S61811154**

**TO**  
SHREYA CHATTERJEE  
22, HATEM MUNSHI LANE, ALAMBAZAR,  
KALAKARPARA, KOLKATA-700035  
NEAR KALAKARPARA DURGA PUJA SPOT  
KOLKATA  
WEST BENGAL - 700035  
PH. NO :7980876362



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

**SHREYA CHATTERJEE**

for successfully completing the course

**Programming in Java**

with a consolidated score of **76** %

Online Assignments	24.84/25	Programming Exam	25/25	Proctored Exam	26.5/50
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Total number of candidates certified in this course: **3157**

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

**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: NPTEL20CS75S41810526**

**TO**  
SHREYA CHATTERJEE  
22, HATEM MUNSHI LANE, ALAMBAZAR,  
KALAKARPARA, KOLKATA-700035  
NEAR KALAKARPARA DURGA PUJA SPOT  
KOLKATA  
WEST BENGAL - 700035  
PH. NO :7980876362



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:**

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  
**SHREYA CHATTERJEE**  
for successfully completing the course

## Introduction to Operating Systems

with a consolidated score of **58** %

Online Assignments	22.92/25	Proctored Exam	35.21/75
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Total number of candidates certified in this course: **276**

*Devendra Jalihal*

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

*Prof. Andrew Thangaraj*

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



Indian Institute of Technology Madras





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**Roll No: NPTEL21CS14S23840750**

**TO**  
SHREYA CHATTERJEE  
22,HATEM MUNSHI LANE, ALAMBAZAR  
NEAR KALAKARPARA DURGA PUJA SPOT  
KOLKATA  
WEST BENGAL - 700035  
PH. NO :7980876362



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:**

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  
**SHREYA CHATTERJEE**  
for successfully completing the course



**Cloud Computing**

with a consolidated score of **75** %

Online Assignments	25/25	Proctored Exam	49.6/75
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Total number of candidates certified in this course: **1535**

  
**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

