



Elite

NPTEL Online Certification

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



This certificate is awarded to

SUBRATA DE

for successfully completing the course

Introduction to Research

with a consolidated score of 82 %

Online Assignments	23.25/25	Proctored Exam	58.5/75
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Total number of candidates certified: 283

A. Ramesh

Prof. A . Ramesh
Chairman

Centre for Continuing Education, IITM

Jan-Mar 2017
(8 week course)

Prof. Andrew Thangaraj

Prof . Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras

Roll No: NPTEL17GE0126450310AN

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



Roll No: NPTEL19CS12S31630117

To SUBRATA DE
RATHTALA
VILL - PARUL
HOOGHLY
WEST BENGAL
712601
PH. NO :9434501583



Duration of NPTEL course: 8 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

SUBRATA DE

for successfully completing the course

Data Base Management System

with a consolidated score of **85 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Feb-Apr 2019)

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

Roll No: NPTEL19CS12S31630117

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

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



Roll No:NPTEL19MA15S41630016

To SUBRATA DE
RATHTALA
VILL - PARUL
HOOGHLY
WEST BENGAL
712601
PH. NO :9434501583



Duration of NPTEL course: 12 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

SUBRATA DE

for successfully completing the course

**Introduction to Automata, Languages
and Computation**

with a consolidated score of **88 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jan-Apr 2019)

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

Roll No: NPTEL19MA15S41630016

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

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

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



Roll No:NPTEL19CS84S41650694

To SUBRATA DE
C/O - ARUN DE
VILL-PARUL(RATHTALA)
HOOGHLY
WEST BENGAL
712601
PH. NO :9434501583



Duration of NPTEL course: 12 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

SUBRATA DE

for successfully completing the course

Programming In Java

with a consolidated score of **94 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2019)

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

Roll No: NPTEL19CS84S41650694

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

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



Roll No:NPTEL19CS69S61654225

To SUBRATA DE
C/O - ARUN DE
VILL-PARUL(RATHTALA)
HOOGHLY
WEST BENGAL
712601
PH. NO :9434501583



Duration of NPTEL course: 12 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

SUBRATA DE

for successfully completing the course

Software Engineering

with a consolidated score of **83 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2019)

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

Roll No: NPTEL19CS69S61654225

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

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

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



Roll No:NPTEL19CS62S21561534

To SUBRATA DE
BISALAKSHMI MONDIR ROAD
VILL-PARUL(RATHTALA)
HOOGHLY
WEST BENGAL
712601
PH. NO :9434501583



Duration of NPTEL course: 8 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

SUBRATA DE

for successfully completing the course

Advanced Computer Architecture

with a consolidated score of **90 %**



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Sep 2019)

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

Roll No: NPTEL19CS62S21561534

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

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



Roll No:NPTEL19CS38S11561414

To SUBRATA DE
BISALAKSHMI MONDIR ROAD
VILL-PARUL(RATHTALA)
HOOGHLY
WEST BENGAL
712601
PH. NO :9434501583



Duration of NPTEL course: 8 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

SUBRATA DE

for successfully completing the course

Programming in C++

with a consolidated score of **76 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Sep 2019)

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

Roll No: NPTEL19CS38S11561414

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

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

No:ATAL/2020/740355



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

This to be certified that **ASIT BARMAN** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online FDP** on "**Artificial Intelligence**" from **11-05-2020** to **15-05-2020** at **Indian Institute of Information Technology Vadodra**.

Director ATAL Academies



Coordinator



Certificate No: ICT-1337/20

National Institute of Technical Teachers Training and Research Chandigarh

MINISTRY OF HUMAN RESOURCE DEVELOPMENT, GOVERNMENT OF INDIA

Certificate

This is to certify that

ASIT BARMAN

**SILIGURI INSTITUTE OF TECHNOLOGY, SILIGURI
WEST BENGAL**

Participated in the AICTE Recognized Faculty Development Programme

on

Internet of Things

Conducted by

Computer Science and Engineering Department

from

10/04/2020 to 14/04/2020 (One Week)

at

NITTTR, Chandigarh



Coordinator

Director



CERTIFICATE OF APPRECIATION TO

SUBRATA DE

for being recognized as NPTEL SUPER STAR
JUL-DEC 2019

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL SUPER STAR

Candidate has to appear in 4 or more exams in a semester and be topper in at least 3 exams





CERTIFICATE OF APPRECIATION TO

SUBRATA DE

(Computer Science and Engineering)

for being recognized as NPTEL DISCIPLINE STAR
Dec 2019

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55



NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING

A JOINT VENTURE BY INDIAN INSTITUTES OF TECHNOLOGY & INDIAN INSTITUTE OF SCIENCE



Date: 15th June 2020

To Whomsoever it may concern

This is to confirm that DEBADITYA KUNDU (Email id: debaditya.kundu@gmail.com) had enrolled to the NPTEL course **Discrete Mathematics (12 Weeks)** on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.



The scores obtained by the learner in the unproctored online assignments are as follows and maybe used as deemed appropriate. (Every assignment score shown below is out of 100 marks.)

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
A1 : 100	A1 : 90	A1 : 100	A1 : 90	A1 : 100	A1 : 80	A1 : 100	A1 : 90	A1 : 100	A1 : 100	A1 : 100	A1 : 90

*NA- Not Attempted



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT 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: NPTEL20CS37S1653028

To

DEBADITYA KUNDU
VIVEKANANDA PURAM, RAMAKRISHNA
SARANI.RACECOURSE
JALPAIGURI
WEST BENGAL-735101
PH. NO :9475140007



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.



NPTEL Online Certification

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



This certificate is awarded to
DEBADITYA KUNDU
for passing the course

Discrete Mathematics

with Score* **99** %



Devendra Jaliha

Prof. Devendra Jaliha
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2020
(12 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



*Continuous online assessment score

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: NPTEL20CS17S1628843

To

DEBADITYA KUNDU
VIVEKANANDA PURAM, RAMAKRISHNA
SARANI.RACECOURSE
JALPAIGURI
WEST BENGAL-735101
PH. NO :9475140007



No. of credits recommended by NPTEL:2

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



NPTEL Online Certification

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



This certificate is awarded to
DEBADITYA KUNDU
for passing the course

Introduction to Soft Computing

with Score* **97** %



A. Goswami

Jan-Mar 2020
(8 week course)

Prof. Adrijit Goswami
Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur



Indian Institute of Technology Kharagpur



*Continuous online assessment score

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



Roll No: NPTEL19CS41S62150009

To DEBADITYA KUNDU
VIVEKANANDA PURAM, RAMAKRISHNA SARANI.
RACECOURSE

JALPAIGURI
WEST BENGAL
735101
PH. NO :9475140007



Duration of NPTEL course: 12 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

DEBADITYA KUNDU

for successfully completing the course

The Joy of Computing Using Python

with a consolidated score of **78 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2019)


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

Roll No: NPTEL19CS41S62150009

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

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

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


Roll No: NPTEL19CS41S62150009

To
DEBADITYA KUNDU
VIVEKANANDA PURAM, RAMAKRISHNA SARANI.
RACECOURSE

JALPAIGURI
WEST BENGAL
735101
PH. NO :9475140007



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

DEBADITYA KUNDU
for successfully completing the course



The Joy of Computing Using Python

with a consolidated score of **78** %

Online Assignments	24.75/25	Programming Exam	25/25	Proctored Exam	28/50
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Total number of candidates certified in this course: **8505**



Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jul-Oct 2019
(12 week course)



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras





MARKSHEET

Name: **DEBADITYA KUNDU**

DOB: **10-11-1981**

Discipline	Year	Course Name	Marks		Total Marks (100%)	Status	Performance
			Assignment (25%)	Exam (75%)			
CS	2019	The Joy of Computing using Python	49.75	28	78	Pass	Elite + Silver

PROF. ANDREW THANGARAJ
NPTEL COORDINATOR
IIT MADRAS

ID	DEPARTMENT NAME
AE	Aerospace Engineering
AG	Agriculture
CE	Architecture
BT	Biotechnology
CH	Chemical Engineering
CY	Chemistry and Biochemistry
CE	Civil Engineering
CS	Computer Science and Engineering
EE	Electrical Engineering
EC	Electronics & Communication Engineering
ED	Engineering Design
BT	General
HS	Humanities and Social Sciences
MG	Management
MA	Mathematics
ME	Mechanical Engineering
MM	Metallurgy and Material Science
MM	Mining Engineering
GE	Multidisciplinary
OE	Ocean Engineering
PH	Physics
SS	Special Lecture Series
DE	Textile Engineering

Total Mark
>=90
75-89
>=60

Performance
Elite + Gold
Elite + Silver
Elite

NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING

A JOINT VENTURE BY INDIAN INSTITUTES OF TECHNOLOGY & INDIAN INSTITUTE OF SCIENCE



Date: 15th June 2020

To Whomsoever it may concern

This is to confirm that DEBADITYA KUNDU (Email id: debaditya.kundu@gmail.com) had enrolled to the NPTEL course **Introduction To Soft Computing (8 Weeks)** on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.



The scores obtained by the learner in the unproctored online assignments are as follows and maybe used as deemed appropriate. (Every assignment score shown below is out of 100 marks.)

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
A1 : 93	A1 : 100	A1 : 100	A1 : 93	A1 : 100	A1 : 93	A1 : 93	A1 : 93

*NA- Not Attempted



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

No:ATAL/2020/1601895608



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

Certificate

This is certified that **Sathi Ball, Assistant Professor** of **Siliguri Institute of Technology** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online FDP on "Data Sciences"** from **2020-11-2 to 2020-11-6** at **Hindusthan College of Engineering and Technology**.

Director ATAL Academies



Coordinator



Roll No: NPTEL19HS32S52150041

To SATHI BALL
86 INDRAPRASTHA
PO: HRIDAYPUR
NORTH 24 PARGANAS
WEST BENGAL
700127
PH. NO :9433229324



Duration of NPTEL course: 8 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

SATHI BALL

for successfully completing the course

Developing Soft Skills and Personality

with a consolidated score of **86 %**



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Aug-Oct 2019)

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

Roll No: NPTEL19HS32S52150041

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

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



Roll No: NPTEL19CS41S62150013

To SATHI BALL
86 INDRAPRASTHA
PO: HRIDAYPUR
NORTH 24 PARGANAS
WEST BENGAL
700127
PH. NO :9433229324



Duration of NPTEL course: 12 Weeks

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



NPTEL-AICTE Faculty Development Programme

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



This certificate is awarded to

SATHI BALL

for successfully completing the course

The Joy of Computing Using Python

with a consolidated score of **79 %**



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2019)

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

Roll No: NPTEL19CS41S62150013

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

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