



KONGU ENGINEERING COLLEGE
PERUNDURAI ERODE - 638 060



STUDENT'S CENTRIC METHOD
PARTICIPATIVE LEARNING
NPTEL COURSE
SAMPLE DOCUMENT



CRITERION 2

Teaching-Learning and Evaluation

NPTEL COURSES

S.No	NPTEL COURSE NAME	Number of Students Benefitted
1.	English Language For Competitive Exams	01
2.	Principles of Vibration Control	01
3.	Product Design and Development	10
4.	Applied ergonomics	06
5.	Manufacturing of composites	18
6.	Fundamentals of Manufacturing Processes	06
7.	Refrigeration and Air-conditioning	01
8.	Processing of polymers and polymer composites	05
9.	Product Design Using Value Engineering	14
10.	Introduction to Modern Application Development	01
11.	Introduction to Modern Application Development	09
12.	Introduction to Programming in C	01
13.	E-business	01
14.	Introduction to Internet of Things	01
15.	Introduction to R software	02
16.	The Joy of Computing using Python	01
17.	Introduction to Haskell Programming	01
18.	Introduction to Mechanical Vibration	01
19.	Non-traditional abrasive machining processes – Ultrasonic, Abrasive jet and Abrasive water jet machining	01
20.	Engineering Fracture Mechanics	01
21.	Foundation of Computational Fluid Dynamics	01
22.	Nature and properties of material	02
23.	Sustainability through green manufacturing systems: An applied approach	01
24.	Total quality management - I	01
25.	Laws of thermodynamics	06
26.	Product design and manufacturing	01
27.	Refrigeration and air-conditioning	01
28.	Principles of casting technology	03
29.	Joy of computing using python	01
30.	Enhancing soft skills and personality	01
31.	Product design and development	04
32.	Surface engineering of nanomaterials	01
33.	Introduction to machining and machining fluids	01
34.	Polymer assisted abrasive finishing processes	01
35.	BioMEMS and microsystems	01
36.	Manufacturing Automation	05
37.	Design Practice	03
38.	Introduction to Airplane Performance	01
39.	Problem solving through Programming In C	01
40.	Programming in Java	01
41.	Introduction to Industry 4.0 and Industrial Internet of Things	02
42.	Electric Vehicles - Part 1	06
43.	Product Design and Manufacturing	03
44.	Fundamental of Welding Science and Technology	25

CRITERION 2	Teaching-Learning and Evaluation
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S.No	NPTEL COURSE NAME	Number of Students Benefitted
45.	Automatic Control	01
46.	Inspection and Quality Control in Manufacturing	47
47.	Processing of Polymers and Polymer Composites	04
48.	Financial Mathematics	02
49.	Quality Design And Control	01
50.	Programming, Data Structures and algorithms using Python	01
51.	Introduction to Modern Application Development	01
52.	Ethical Hacking	31
53.	Human Computer Interactions	02
54.	Python for Data Science	01
55.	User centric Programming for human computer interaction	02
56.	Principles of Signals and Systems	01
57.	Introduction to Internet of Things	01
58.	Joy of computing Using Python	03
59.	English Language for Competitive Exams	01
60.	Cloud computing	04
61.	Ethical Hacking	02
62.	Global Navigation Satellite Systems And Applications	01
63.	Introduction to Embedded System Design	02
64.	Introduction to R Software	07
65.	Joy of computing Using Python	01
66.	Machine Learning for Engineering and Science Applications	01
67.	Principles of Signals and Systems	01
68.	Problem Solving Throughprogramming In C	01
69.	Programming ,Data structure and algorithm using python	01
70.	Python for Data Science	02
71.	Robotics	04
72.	The joy of computing python	18
73.	Bioenergy	03
74.	Introduction to proteomics	03
75.	Introduction to Ancient Indian Technology	01
76.	Bio-reactor	01
77.	Business English communication	01
78.	Organic Farming for Sustainable Agricultural production	04
79.	Nano Technology in agriculture	02
80.	Industrial Biotechnology	01
81.	Organic Forming for sustainable agricultural production	06
82.	Design Thinking – A Primer	01

ENGLISH LANGUAGE FOR COMPETITIVE EXAMS



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



This certificate is awarded to
ACHUTHAN R
for successfully completing the course
English Language for Competitive Exams
with a consolidated score of **45 %**

Online Assignments	21/25	Proctored Exam	24/75
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Total number of candidates certified: 918

A. Ramesh
Prof. A. Ramesh
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2017
(12 week course)

Prof. Anirban Thangaraj
Prof. Anirban Thangaraj
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL17HS03S2490002

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

Roll No: NPTEL17HS03S2490002

To
ACHUTHAN R
763-A, CHIDAMBARAM STREET, LAKSHMI
NAGAR, POOTHOTTAM,
VILLUPURAM
TAMIL NADU
605602
PH. NO : 9447757817

Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

Number of credits recommended by NPTEL: 3

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PRINCIPLES OF VIBRATION CONTROL



Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
R KARTHICK
 for successfully completing the course
Principles of Vibration Control
 with a consolidated score of **70 %**

Online Assignments	21.75/25	Proctored Exam	48/75
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Total number of candidates certified: 71

Prof. T. V. Prabhakar
 Chairman
 Centre for Continuing Education, IITK

Feb-Mar 2017
 (4 week course)

Prof. Satyaki Roy
 NPTEL Coordinator
 IIT Kanpur

Indian Institute of Technology Kanpur

Roll No: NPTEL17ME06S2490058 To validate and check scores: <http://npTEL.ac.in/noc>

Roll No:NPTEL17ME06S2490058

To
 R KARTHICK
 854, HEHRLI NAGAR, FIRST STREET,
 ARAKKONAM
 VELLORE
 TAMIL NADU
 631003
 PH. NO : 8668072372

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

Number of credits recommended by NPTEL:1

CRITERION 2

Teaching-Learning and Evaluation

PRODUCT DESIGN AND DEVELOPMENT

Elite

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

This certificate is awarded to
GOKUL S
for successfully completing the course
Product Design and Development
with a consolidated score of **91 %**

Online Assignments	25.00/25	Proctored Exam	66/75
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Total number of candidates certified in this course: **1533**

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

Jan-Feb 2019
(4 week course)

Indian Institute of Technology Roorkee

swamyam

Roll No: NPTEL19ME21511230080 To validate and check scores: <http://nptel.ac.in/hoc>

Roll No: NPTEL19ME21511230080

To:
GOKUL S
6/4, PUNGAMPALAYAM
CHENGAPALLI
TIRUPPUR
TAMIL NADU
638812
PH. NO :7904485850

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

No. of credits recommended by NPTEL:1



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MANUFACTURING OF COMPOSITES



Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
M.GOKULNATHAN
 for successfully completing the course
Manufacturing Of Composites
 with a consolidated score of **68 %**

Online Assignments	21.75/25	Proctored Exam	46.5/75
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Total number of candidates certified in this course: 432

Prof. T. V. Prabhakar
 Chairman
 Centre for Continuing Education, IITK

Jul-Sep 2017
 (8 week course)

Prof. Satyaki Iitzy
 NPTEL Coordinator
 IIT Kanpur

Indian Institute of Technology Kanpur

Roll No: NPTEL17ME1452240157

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

Roil No:NPTEL17ME1452240157

To
 M.GOKULNATHAN
 16/186 KALYANMAN KOVIL STREET,
 KARIYAMPATTI (P.O. SILUKKUVARPAITI (VIA)
 NILAKOTTAI, DINDIGUL,
 TAMIL NADU
 624215
 PH. NO. 9952572928

Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL: 2


FUNDAMENTALS OF MANUFACTURING PROCESSES



Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

APPLIED ERGONOMICS



Elite
NPTEL Online Certification
(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
HEMANTH C
for successfully completing the course
Applied Ergonomics
with a consolidated score of **66 %**

Online Assignments	23.5/25	Proctored Exam	42/75
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Total number of candidates certified in this course: 154


 Prof. T. V. Prabhakar
Chairman
Centre for Continuing Education, IITK

Jul-Oct 2017
(12 week course)


 Prof. Satyaki Ray
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur

Roll No: NPTEL17ME2651241132

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


 Roll No: NPTEL17ME2651241132
 To
 HEMANTH C
 2/96, N.G.R NAGAR
 PULIAMPATTI, POLLACHI
 COIMBATORE
 TAMIL NADU
 642002
 PH. NO :9445927266



Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3

CRITERION 2 Teaching-Learning and Evaluation

REFRIGERATION AND AIR CONDITIONING



Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
SREEDHAR P K
 for successfully completing the course
Refrigeration And Air-Conditioning
 with a consolidated score of **77 %**

Online Assignments	21/25	Proctored Exam	56.25/75
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Total number of candidates certified in this course: **588**

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

Jul-Sep 2017
 (8 week course)

Indian Institute of Technology Roorkee

Roll No: NPTEL17MM14S1230132 To validate and check scores: <http://npTEL.ac.in/ncoc>



Roll No: NPTEL17MM14S1230132

To:
 SREEDHAR P K
 13/146,
 NEW RAJA NAGAR,
 PERUNDURAI R.S
 PERUNDURAI
 ERODE
 TAMIL NADU
 638052
 PH. NO :9698918449

Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:2

CRITERION 2 Teaching-Learning and Evaluation

PROCESSING OF POLYMERS AND POLYMER COMPOSITES



Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
M.S.MUTHUKRISH

for successfully completing the course
Processing of Polymers and Polymer Composites
 with a consolidated score of **90 %**

Online Assignments	22.92/25	Proctored Exam	67.5/75
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Total number of candidates certified in this course: **171**

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

Aug-Sep 2018
 (8 week course)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL18ME57S21260082 To validate and check scores: <http://nptel.ac.in/moc>

Roll No: NPTEL18ME57S21260082

To
 M.S.MUTHUKRISH
 7/13/19A, KARAIKKAL AMMAIYAR STREET, SRI
 RAM NAGAR, KOTTAIYUR, KARAIKKUDI,
 TOWN
 SIVASANGAI
 TAMIL NADU
 630106
 PH. NO :9442643549



Score	Type of Certificate
>=90	Elite + Gold Medal
80-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL: 2

PRODUCT DESIGN USING VALUE ENGINEERING

Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
MUGUNTHAN R
 for successfully completing the course
Product Design Using Value Engineering

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: **817**

Prof. V. C. Srivastava
 Co-ordinator, Continuing Education Centre
 IIT Roorkee

Jul-Aug 2019
 (4 week course)

Prof. Inderdeep Singh
 NPTEL Coordinator
 IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL19ME51521960050

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: NPTEL19ME51521960050

To
 MUGUNTHAN R
 (S/O) RAVISHANKAR, SRI SUDHANTHIRA ELLAM
 2ND CROSS, MEL VELLALAR STREET,
 MECHERI
 SALEM
 TAMIL NADU
 636453
 PH. NO - 9372884495

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

No. of credits recommended by NPTEL: 1
 An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

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INTRODUCTION TO MOBILE APPLICATION DEVELOPMENT

2016-2017

Course Name : Introduction to Modern Application Development

S.No	Year	Register Number	Student Name	Course Name	Result
1.	2016-2017	15CSR211	Sudeeptha J	Introduction to Modern application Development	66% - Elite



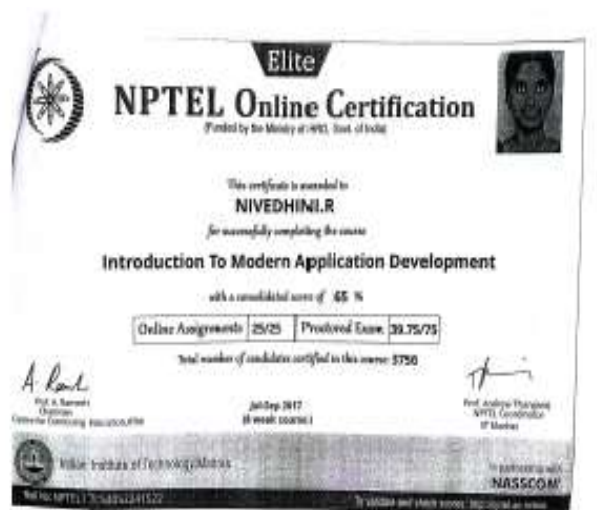
CRITERION 2 Teaching-Learning and Evaluation

INTRODUCTION TO MOBILE APPLICATION DEVELOPMENT

2017-2018

Course Name : Introduction to Modern Application Development

S.No	Year	Register Number	Student Name	Course Name	Result
1.	2017-2018	19C58018	Aparna.R.S	Introduction to Modern application Development	50%- Successfully completed the course
2.	2017-2018	19C58212	Sudhakar.S	Introduction to Modern application Development	59%- Successfully completed the course
3.	2017-2018	19C58129	Nivedhini.R	Introduction to Modern Application Development	60% - Elite
4.	2017-2018	19C58151	Priya Dharshini.P	Introduction to Modern Application Development	62% -Elite
5.	2017-2018	19C58150	Priya Dharshini.M	Introduction to Modern Application Development	68% - Successfully completed the course
6.	2017-2018	19C58121	Nishaar Nisha.A	Introduction to Modern Application Development	57% - Successfully completed the course
7.	2017-2018	19C58235	Vinod.P	Introduction to Modern Application Development	72%- Silver-Elite
8.	2017-2018	19C58188	Sathyan.RA	Introduction to Modern Application Development	81% - Silver-Elite
9.	2017-2018	19C58296	S.Vimala Devi	Introduction to Modern Application Development	88% - Silver-Elite




INTRODUCTION TO PROGRAMMING IN C

2017-2018

Course Name : Introduction to Programming in C

S.No	Year	Register Number	Student Name	Course Name	Result
1.	2017-2018	16CSR018	Aparna.K.S	Introduction to Programming in C	63%-Elite



Elite

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

This certificate is awarded to
APARNA.K.S
for successfully completing the course
Introduction To Programming In C
with a consolidated score of **63 %**

Online Assignments	17.5/25	Proctored Exam	45.25/75
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Total number of candidates certified in this course: 2993

Prof. T. V. Prabhakar
Chairman
Centre for Continuing Education, IITK

Jul-Sep 2017
(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur

Indian Institute of Technology, Kanpur

In partnership with
NASSCOM

Roll No: NPTEL17CS43S2670179

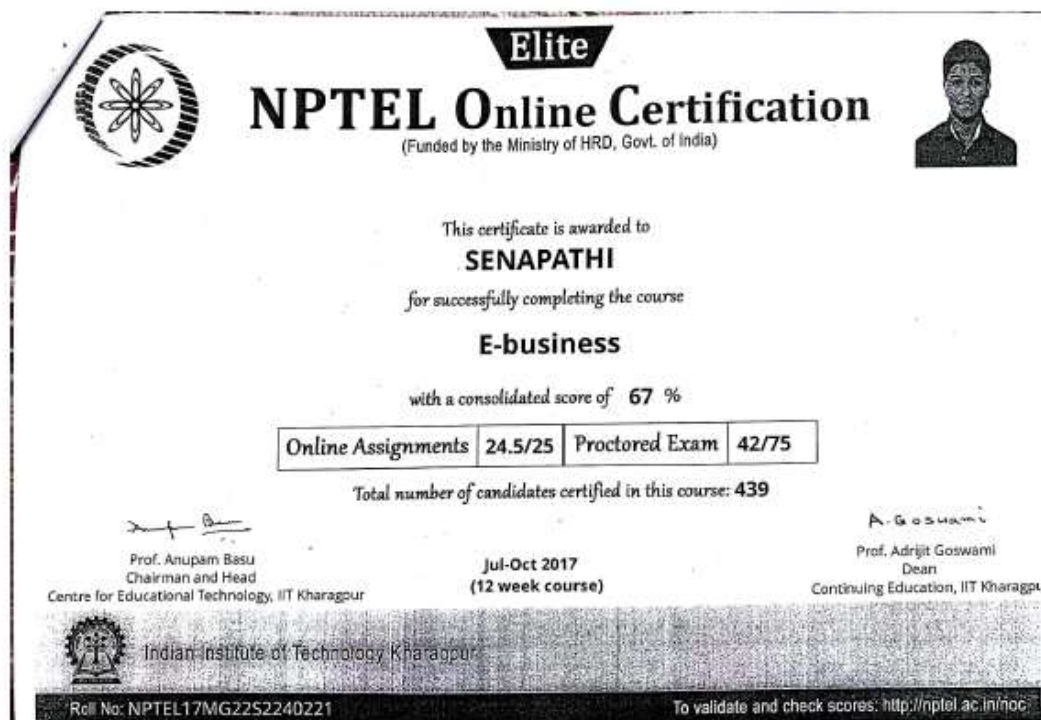
To validate and check scores: <http://nptel.ac.in/hoc>

E-BUSINESS

2017-2018

Course Name : E-business

S.No	Year	Register Number	Student Name	Course Name	Result
1.	2017-2018	16CSR177	Senapathi.T	E-business	67%-Elite



INTRODUCTION TO INTERNET OF THINGS

2017-2018

Course Name : Introduction to Internet of Things

S.No	Year	Register Number	Student Name	Course Name	Result
1.	2017-2018	16CSR177	Senapathi.T	Introduction to Internet of Things	76%- Silver+Elite

Elite

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

This certificate is awarded to
SENAPATHI
for successfully completing the course
Introduction To Internet Of Things
with a consolidated score of **76 %**

Online Assignments	23.75/25	Proctored Exam	51.75/75
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Total number of candidates certified in this course: **1841**

Prof. Anupam Basu
Chairman and Head
Centre for Educational Technology, IIT Kharagpur

Jul-Oct 2017
(12 week course)

A. Goswami
Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur

Indian Institute of Technology Kharagpur

In partnership with
NASSCOM

Roll No: NPTEL17CS2251240245

to view and check scores <http://nptel.ac.in/noc>

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INTRODUCTION TO R SOFTWARE

2017-2018

Course Name : Introduction to R Software

S.No	Year	Register Number	Student Name	Course Name	Result
1.	2017-2018	15CSR211	Sudeeptha.J	Introduction to R Software	85%- Silver+Elite
2.	2017-2018	15CSR010	Abisheik.R	Introduction to R Software	61%-Elite



THE JOY OF COMPUTING USING PYTHON

2018-2019

Course Name : The Joy of Computing using Python

S.No	Year	Register Number	Student Name	Course Name	Result
1.	2018-2019	17CSR077	Kanivel.S	The Joy of Computing using Python	96%-Elite+Gold



Elite
NPTEL Online Certification
 (Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to
KANIVEL.S
 for successfully completing the course
The Joy of Computing Using Python
 with a consolidated score of **96 %**

Online Assignments	25/25	Proctored Exam	70.5/75
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Total number of candidates certified in this course: **4045**

A. Ramesh
 Prof. A. Ramesh
 Chairman
 Center for Continuing Education, IITM

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

Indian Institute of Technology Madras

swayam

Roll No: NPTEL18CS35S21211243 To validate and check scores: <http://nptel.ac.in/noc>

INTRODUCTION TO HASKELL PROGRAMMING

2019-2020

Course Name : Introduction to Haskell Programming

S.No	Year	Register Number	Student Name	Course Name	Result
1.	2019-2020	16CSR226	Vijay.S	Introduction to Haskell Programming	56%- Successfully completed the course



NPTEL Online Certification

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



This certificate is awarded to

VIJAY S

for successfully completing the course

Introduction To Haskell Programming

with a consolidated score of **56** %

Online Assignments	20/25	Programming Exam	13.46/25	Proctored Exam	22.5/50
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Total number of candidates certified in this course: **11**



Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Aug-Oct 2019
(8 week course)



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL19CS80S31310108

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