

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: NPTEL21CS17S14370136

To
JYOTI AMBADAS KENDULE
YASHODHAN NAGAR, MAYURESH APARTMENT
SANGOLA ROAD, TAL-PANDHARPUR, DIST-SOLAPUR
PANDHARPUR
MAHARASHTRA - 413304
PH. NO :9518938843



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.



NPTEL Online Certification

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



This certificate is awarded to

JYOTI AMBADAS KENDULE

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **55** %

Online Assignments	22.47/25	Proctored Exam	33/75
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Total number of candidates certified in this course: **2555**

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

Jan-Apr 2021
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



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: NPTEL21MA01S12330101

To
HEMCHANDRA RAMESH PAWAR
AT/PO: DARPHAL (GAWADI)
TAL: UTTAR SOLAPUR
SOLAPUR
MAHARASHTRA - 413222
PH. NO :91820844859



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

No. of credits recommended by NPTEL:1

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



NPTEL Online Certification

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



This certificate is awarded to

HEMCHANDRA RAMESH PAWAR

for successfully completing the course

Introduction to Probability and Statistics

with a consolidated score of **53** %

Online Assignments	14.25/25	Proctored Exam	38.27/75
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Total number of candidates certified in this course: **202**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Feb 2021
(4 week course)

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: NPTEL21EE54S22330033

To
MANIK DESHMUKH
PRINCIPAL QUARTERS, SVERIS COLLEGE OF
ENGINEERING, PANDHARPUR
GOAPLPUR RANJANI ROAD, GOPALPUR,
PANDHARPUR
PANDHARPUR
MAHARASHTRA - 413304
PH. NO :7975524752



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

No. of credits recommended by NPTEL:2

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



NPTEL Online Certification

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



This certificate is awarded to

MANIK DESHMUKH

for successfully completing the course

Discrete Time Signal Processing

with a consolidated score of **48** %

Online Assignments	17.5/25	Proctored Exam	30.47/75
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Total number of candidates certified in this course: **41**

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: NPTEL21EE54S22330033

To
MANIK DESHMUKH
PRINCIPAL QUARTERS, SVERIS COLLEGE OF
ENGINEERING, PANDHARPUR
GOAPLPUR RANJANI ROAD, GOPALPUR,
PANDHARPUR
PANDHARPUR
MAHARASHTRA - 413304
PH. NO :7975524752



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

No. of credits recommended by NPTEL:2

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



NPTEL Online Certification

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



This certificate is awarded to

MANIK DESHMUKH

for successfully completing the course

Discrete Time Signal Processing

with a consolidated score of **48** %

Online Assignments	17.5/25	Proctored Exam	30.47/75
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Total number of candidates certified in this course: **41**

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: NPTEL21ME03S24370179

To
DR SACHIN ASHOK SONAWANE
PLOT NO. 98, HARINAYAN PARK,
ISBAVI, PANDHARPUR, DIST: SOLAPUR
PANDHARPUR
MAHARASHTRA - 413304
PH. NO :9850959863



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

DR SACHIN ASHOK SONAWANE

for successfully completing the course

Introduction to Mechanical Micro Machining

with a consolidated score of **66** %

Online Assignments	21.56/25	Proctored Exam	44.25/75
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Total number of candidates certified in this course: **119**

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: NPTEL21MA01S12330101

To
HEMCHANDRA RAMESH PAWAR
AT/PO: DARPHAL (GAWADI)
TAL: UTTAR SOLAPUR
SOLAPUR
MAHARASHTRA - 413222
PH. NO :91820844859



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

No. of credits recommended by NPTEL:1

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



NPTEL Online Certification

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



This certificate is awarded to

HEMCHANDRA RAMESH PAWAR

for successfully completing the course

Introduction to Probability and Statistics

with a consolidated score of **53** %

Online Assignments	14.25/25	Proctored Exam	38.27/75
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Total number of candidates certified in this course: **202**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Feb 2021
(4 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No:NPTEL21ME03S24370179

To DR SACHIN ASHOK SONAWANE
PLOT NO. 98, HARINAYAN PARK,
ISBAVI, PANDHARPUR, DIST: SOLAPUR
PANDHARPUR
MAHARASHTRA - 413304
PH. NO :9850959863



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

DR SACHIN ASHOK SONAWANE

for successfully completing the course

Introduction to Mechanical Micro Machining

with a consolidated score of **66 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jan-Apr 2021)

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

Roll No: NPTEL21ME03S24370179

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:NPTEL21ME03S24370179

To DR SACHIN ASHOK SONAWANE
PLOT NO. 98, HARINAYAN PARK,
ISBAVI, PANDHARPUR, DIST: SOLAPUR
PANDHARPUR
MAHARASHTRA - 413304
PH. NO :9850959863



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

DR SACHIN ASHOK SONAWANE

for successfully completing the course

Introduction to Mechanical Micro Machining

with a consolidated score of **66 %**

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jan-Apr 2021)

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

Roll No: NPTEL21ME03S24370179

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