

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: NPTEL19GE18S52010341

To
AMRUTA VIJAY SURANA
FLAT NO 206 LAXMINARAYAN APARTMENT
BHANGARWADI LONAVALA
PUNE
MAHARASHTRA
410401
PH. NO :9637826545



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
AMRUTA VIJAY SURANA
for successfully completing the course

Accreditation and Outcome Based Learning

with a consolidated score of **55** %

Online Assignments	15.38/25	Proctored Exam	39.44/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 2250



A. Goswami

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

Aug-Oct 2019
(8 week course)



Indian Institute of Technology Kharagpur



Roll No: NPTEL19GE18S52010341

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: NPTEL19GE18S52010329

To
NITIN WANKHADE
NMIET,
TALEGAON
PUNE
MAHARASHTRA
410507
PH. NO :8856967194



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

NITIN WANKHADE

for successfully completing the course

Accreditation and Outcome Based Learning

with a consolidated score of **70** %

Online Assignments	14.50/25	Proctored Exam	55.67/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 2250



A. Goswami

Prof. Adrijit Goswami

Dean, Continuing Education & NPTEL Coordinator
IIT Kharagpur

Aug-Oct 2019
(8 week course)



Indian Institute of Technology Kharagpur



Roll No: NPTEL19GE18S52010329

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