

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: NPTEL21CS75S24021194

To
MICHAEL WINSTON
C-204, DHARAVI SHASTRI NAGAR CHS LTD
K. K. KRISNAN MARG
MUMBAI
MAHARASHTRA - 400017
PH. NO :8828261391



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

MICHAEL WINSTON

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **71** %



Online Assignments	24.85/25	Programming Exam	25/25	Proctored Exam	21/50
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Total number of candidates certified in this course: **4694**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman

Centre for Continuing Education, IITM

Jul-Oct 2021

(12 week course)

Certified as
TRUE COPY

[Signature]

Principal

Ramniranjan Jhunjhunwala College,
Ghatkopar (W), Mumbai-400086

[Signature]

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



M.Sc.CS-I - 29

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Roll No: NPTEL21CS75524030525

To
 MOSARRAT YASMIN
 ROOM NO 305 BUILDING NO 41
 PMSP COLONY DHAIRAVI MUMBAI
 MUMBAI
 MAHARASHTRA - 400017
 PH. NO 4204963764

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
MOSARRAT YASMIN

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **73** %

Online Assignments	24.72/25	Programming Exam	25/25	Proctored Exam	23/50
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Total number of candidates certified in this course: **4694**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Certification Activities, IITM

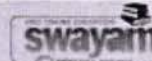
Jul-Oct 2021
(12 week course)

Prof. Anshu Thangaraj

Prof. Anshu Thangaraj
NPTEL, Co-ordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL21CS75524030525

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



Certified as TRUE COPY

[Signature]
Principal
Ramniranjan Jhunjhunwala College,
Ghatkopar (W), Mumbai-400086.