

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS31S13701432

To
ONKAR MANDAL
B2,18/81, RAM DAS HATI,GHOSH PARA
KOL-24
KOLKATA
WEST BENGAL - 700024
PH. NO :7439972148



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 MoE, Govt. of India)



This certificate is awarded to

ONKAR MANDAL

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **72** %

Online Assignments	22.85/25	Programming Exam	25/25	Proctored Exam	24.5/50
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Total number of candidates certified in this course: 7438

Devendra Jaliha

Prof. Devendra Jaliha
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2022
(12 week course)

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



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