

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

Roll No: NPTEL22CS31S23350239

To
SANDIP CHAKRABARTY
TYPE-3/307, HFC COLONY
PO-BIDHANNAGAR
DURGAPUR
WEST BENGAL - 713212
PH. NO :9932253053



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

SANDIP CHAKRABARTY

for successfully completing the course

The Joy of Computing using Python

with a consolidated score of **90** %



Online Assignments	24.91/25	Programming Exam	25/25	Proctored Exam	39.86/50
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Total number of candidates certified in this course: **7438**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Apr 2022
(12 week course)

Prof. 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>