



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ARUPA NANDA SWAIN

for successfully completing the course

Programming, Data Structures and Algorithms using Python

with a consolidated score of **51** %

Online Assignments	18.12/25	Proctored Exam	32.69/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **2042**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

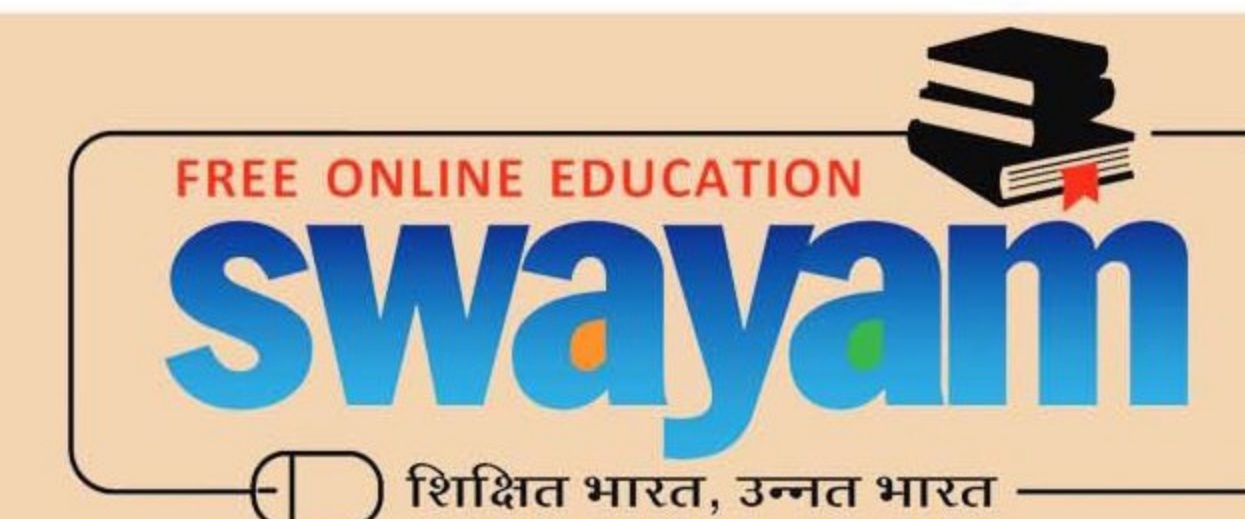
Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL24CS45S551700729

To verify the certificate



No. of credits recommended: 2 or 3