

NPTEL Online Certification

(Funded by the MoE, Govt. of India)

This certificate is awarded to

GUNALAN D

for successfully completing the course

Programming, Data Structures and Algorithms Using Python

with a consolidated score of **41** %

Online Assignments	10.76/25	Proctored Exam	30/75

Total number of candidates certified in this course: **2081**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jul-Sep 2023

(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL23CS95S45480416

To verify the certificate

No. of credits recommended: 2 or 3