NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SANA KAUSAR

for successfully completing the course

The Joy of Computing Using Python

with a consolidated score of **51** %

Online Assignments	21.03/25	Proctored Exam	30/75

Total number of candidates certified in this course: **16145**

Devendra Jalihal

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

Jul-Oct 2023

(12 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL23CS108S638200189

To verify the certificate

No. of credits recommended: 3 or 4