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

Roll No: NPTEL22CS40S23730853

TO ARUN BABU KOPLANTHARACHIRAYIL (H.O) PUNCHAVAYAL P.O ,PUNCHAVAYAL MUNDAKAYAM KERALA - 686513 PH. NO :9447017805



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:2

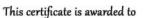
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



ARUN BABU

for successfully completing the course



with a consolidated score of 7

9 9

Online Assignments 25/25 Programming Exam 25/25 Proctored Exam

Total number of candidates certified in this course: 1728

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Feb-Apr 2022 (8 week course) Prof. Satyaki Roy

29.07/50

NPTEL Coordinator IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL22CS40S23730853

To validate and check scores: https://nptel.ac.in/noc