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Roll No: NPTEL19CS40S21182408

To  
A R SUDARSHAN  
NEW NO. 55 FLAT 2/3  
KARPAGAM APARTMENTS  
FIRST MAIN ROAD R.A. PURAM  
CHENNAI  
TAMIL NADU  
600028  
PH. NO :8640363948



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 Ministry of HRD, Govt. of India)

This certificate is awarded to

**A R SUDARSHAN**

for successfully completing the course

## Programming, Data Structures and Algorithms Using Python

with a consolidated score of **80** %

Online Assignments	25/25	Programming Exam	22/25	Proctored Exam	32.5/50
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Total number of candidates certified in this course: **2779**

*Devendra Jali hal*

**Prof. Devendra Jali hal**  
Chairman  
Centre for Continuing Education, IITM

**Jul-Sep 2019**  
(8 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>