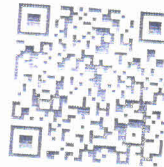




Roll No:NPTEL18CS34S21540140

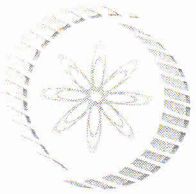
To
THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI

51/1204



Score	Type of Certificate
≥ 90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
< 40	No Certificate

No. of credits recommended by NPTEL:2



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

S. PONMALAR

for successfully completing the course

**Programming, Data Structures and Algorithms
Using Python**

with a consolidated score of **74 %**

Online Assignments	23.13/25	Proctored Exam	50.63/75
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Total number of candidates certified in this course: **4745**

A. Ramesh

Prof. A. Ramesh
Chairman

Center for Continuing Education, IITM

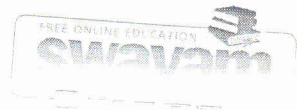
Aug-Sep 2018
(8 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL18CS34S21540140