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ertificate is computer generated and can be verified by scanning the QR code given below. This will display the
certificate from the NPTEL repository, <https://nptel.ac.in/verify>

Roll No: NPTEL21CS33511810174

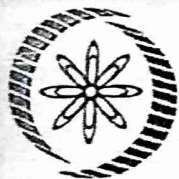
To
MANGESH MHALU HAJARE
NEAR SIDDHIVINAYAK MANDIR
AT POST VHANNUR TAL KAGAL
DIST KOLHAPUR
MAHARASHTRA - 416216
PH. NO :8087613855



| 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:1

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

MANGESH MHALU HAJARE

for successfully completing the course

Python for Data Science

with a consolidated score of **67** %

| | | | | | |
|--------------------|----------|------------------|----------|----------------|----------|
| Online Assignments | 21.33/25 | Programming Exam | 21.75/25 | Proctored Exam | 23.47/50 |
|--------------------|----------|------------------|----------|----------------|----------|

Total number of candidates certified in this course: **1468**

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Jan-Feb 2021
(4 week course)

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>