

This certificate 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/noc/>

Roll No: NPTEL21MA29S12450221

To  
DILIP D S  
DEVA MANDIRAM  
THALACHANVILA, PARASSALA  
THIRUVANANTHAPURAM  
KERALA - 695502  
PH. NO :8111907170



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.



## NPTEL Online Certification

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



This certificate is awarded to

**DILIP D S**

for successfully completing the course

### Computational Mathematics with SageMath

with a consolidated score of **50** %

Online Assignments	17.42/25	Proctored Exam	32.63/75
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Total number of candidates certified in this course: 51

*Devendra Jalihal*

**Prof. Devendra Jalihal**  
Chairman  
Centre for Continuing Education, IITM

Jan-Mar 2021  
(8 week course)

*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>