



This is to certify that



VARUNDEEPAK B A

has successfully completed all the requirements for SWAYAM-NPTEL Domain Certification in

Programming

(Computer Science and Engineering)

The courses were completed in the period Dec 2020.

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

Roll No: NPTELD2200000007

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



Course Details

Course Type	Course Name	Duration	Offering Institute	Course Timeline	Marks Obtained (Out of 100)	QR Code
Core	Programming, Data Structures And Algorithms Using Python	8 weeks	Chennai Mathematical Institute	Jan-Mar 2020	73	
Core	Programming in C++	8 weeks	IIT Kharagpur	Jan-Mar 2019	61	
Core	Programming in Java	12 weeks	IIT Kharagpur	Jan-Apr 2019	95	
Core	Data Base Management System	8 weeks	IIT Kharagpur	Jul-Sep 2019	82	
Elective	Cloud Computing	8 weeks	IIT Kharagpur	Aug-Oct 2019	73	
Elective	Introduction to Internet of Things	12 weeks	IIT Kharagpur	Jan-Apr 2019	98	
Elective	Introduction to Machine Learning	12 weeks	IIT Madras	Jan-Apr 2020	61	
Total Marks					543	

Criteria for certification in **Programming Domain**:
The candidate should complete the prescribed 4 core courses and 2 elective courses:

- Scoring a minimum of ≥ 55 marks in each course and should pass the courses too.
- Average of all courses in the domain should be ≥ 60 .
- Sum of the duration of the courses should be ≥ 60 weeks.

Domain Certificates





CERTIFICATE OF APPRECIATION TO

S. LAKSHMANA KUMAR

for being recognized as NPTEL MOTIVATED LEARNER
DEC 2020

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL MOTIVATED LEARNER

Candidate has to appear in at least 8 exams in Jan 2019 - Jul 2020, pass in 75% of courses appeared, write at least one exam in each of the 4 semesters





CERTIFICATE OF APPRECIATION TO

VARUNDEEPAK B A

for being recognized as NPTEL MOTIVATED LEARNER
DEC 2020

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IIT Madras

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शिक्षित भारत, उन्नत भारत



CERTIFICATE OF APPRECIATION TO

J DEEPIKA

Computer Science and Engineering

for being recognized as NPTEL DISCIPLINE STAR
DEC 2020

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55





CERTIFICATE OF APPRECIATION TO

S LAKSHMANA KUMAR

Mechanical Engineering

for being recognized as NPTEL DISCIPLINE STAR
DEC 2020

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55





CERTIFICATE OF APPRECIATION

TO

DR S HARIKRISHNAN

Mathematics

for being recognized as NPTEL DISCIPLINE STAR
DEC 2020

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55





CERTIFICATE OF APPRECIATION

TO

ARUN KUMAR S

Electrical Engineering

for being recognized as NPTEL DISCIPLINE STAR
DEC 2020

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55





CERTIFICATE OF APPRECIATION TO

D KOMALAVALLI

Computer Science and Engineering

for being recognized as NPTEL DISCIPLINE STAR
DEC 2020

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Chairman
Centre for Continuing Education, IITM

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NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55





CERTIFICATE OF APPRECIATION TO

RSANGEETHAPRIYA

Computer Science and Engineering

for being recognized as NPTEL DISCIPLINE STAR
DEC 2020

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55





CERTIFICATE OF APPRECIATION TO

SATHIYABHAMA B

Computer Science and Engineering

for being recognized as NPTEL DISCIPLINE STAR
DEC 2020

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55





CERTIFICATE OF APPRECIATION TO

LYDIA D ISAAC

Computer Science and Engineering

for being recognized as NPTEL DISCIPLINE STAR
DEC 2020

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NPTEL Coordinator
IIT Madras

NPTEL DISCIPLINE STAR

Candidate has to be certified in courses of same discipline, completed more than 50 weeks of learning, final score in each subject ≥ 55





CERTIFICATE OF APPRECIATION TO

S LAKSHMANA KUMAR

for being recognized as NPTEL BELIEVER
JUL-DEC 2020

Devendra Jalihal

Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Andrew Thangaraj

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

NPTEL BELIEVER

Candidate has to be present in 4/5/6
exams, passing at least 4 of these exams





CERTIFICATE OF APPRECIATION TO

VARUNDEEPAK B A

for being recognized as NPTEL BELIEVER
JAN-DEC 2020

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