



This is to certify that



**APPASAMI G**

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

## Data Science

(Computer Science)

The courses were completed in the period April 2023

*Devendra Jalihal*

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

*Th*

**Prof. Andrew Thangaraj**  
NPTEL Coordinator  
IIT Madras

Roll No: NPTELDS23200000248

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



### 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 2021	70	
core	Data Science for Engineers	8 weeks	IIT Madras	Jan-Mar 2021	79	
core	Introduction to Machine Learning	12 weeks	IIT Madras	Sep-Dec 2020	65	
Elective	Deep Learning	12 weeks	IIT Ropar	Jul-Oct 2022	83	
Elective	Natural Language Processing	12 weeks	IIT Kharagpur	Jan-Apr 2023	62	
Elective	Learning Analytics Tools	12 weeks	IIT Bombay	Jul-Oct 2022	78	
Total Marks						437

#### Criteria for certification in Data Science Domain:

The candidate should complete the prescribed 3 core courses and 3 elective courses:

1. Scoring a minimum of  $\geq 55$  marks in each course and should pass the courses too.
2. Average of all courses in the domain should be  $\geq 60$ .
3. Sum of the duration of the courses should be  $\geq 60$  weeks.

#### Domain Certificates





This is to certify that



APPASAMI G

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

## Foundations of Computing

(Computer Science)

The courses were completed in the period April 2024

*Devendra Jalihal*

Prof. Devendra Jalihal  
Chairman  
Centre for Continuing Education, IITM

*AT*

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

Roll No: NPTELDS24200000651

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



### Course Details

Course Type	Course Name	Duration	Offering Institute	Course Timeline	Marks Obtained (Out of 100)	QR Code
core	Discrete Mathematics	12 weeks	IIT Ropar	Jul-Oct 2018	90	
core	Design and analysis of algorithms	8 weeks	CMI	Jan-Mar 2024	83	
core	Programming, Data Structures And Algorithms Using Python	8 weeks	CMI	Jan-Mar 2024	77	
core	Theory Of Computation	8 weeks	IIT Kanpur	Jul-Sep 2023	67	
Elective	Graph Theory	8 weeks	IISER PUNE	Jan-Mar 2023	75	
Elective	Computer Graphics	8 weeks	IIT Guwahati	Jul-Sep 2023	69	
Elective	Probability for Computer Science	8 weeks	IIT Kanpur	Feb-Apr 2024	77	
Total Marks						538

### Criteria for certification in Foundations of Computing Domain:

The candidate should complete the prescribed 4 core courses and 2 elective courses:

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

### Domain Certificates





This is to certify that



**APPASAMI G**

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

## Systems

(Computer Science)

The courses were completed in the period April 2024

*Devendra Jalihal*

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

*Th*

**Prof. Andrew Thangaraj**  
NPTEL Coordinator  
IIT Madras

Roll No: NPTELDS2420000550

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



### Course Details

Course Type	Course Name	Duration	Offering Institute	Course Timeline	Marks Obtained (Out of 100)	QR Code
core	Compiler Design	12 weeks	IIT Kharagpur	Jan-Apr 2023	73	
core	Operating System Fundamentals	12 weeks	IIT Kharagpur	Jul-Oct 2023	67	
core	Computer Networks and Internet Protocol	12 weeks	IIT Kharagpur	Jan-Apr 2023	68	
core	Introduction to Database Systems	12 weeks	IIT Madras	Jan-Apr 2024	73	
Elective	Cloud computing	12 weeks	IIT Kharagpur	Jan-Apr 2023	77	
Elective	Ethical Hacking	12 weeks	IIT Kharagpur	Jul-Oct 2023	88	
Total Marks						446

#### Criteria for certification in **Systems** Domain:

The candidate should complete the prescribed 4 core courses and 2 elective courses:

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

#### Domain Certificates

