

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: NPTEL21CS69S23880876  
To  
GNANAMBAL K  
PLOT NO. 7, SINGAI PRAKASH GARDEN  
PARK TOWN FIRST STREET, P & T NAGAR  
MADURAI  
TAMILNADU - 625017  
PH. NO :9865780450

| 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.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**GNANAMBAL K**

for successfully completing the course

**Data Science for Engineers**

with a consolidated score of **78** %

|                    |         |                |          |
|--------------------|---------|----------------|----------|
| Online Assignments | 21.5/25 | Proctored Exam | 56.38/75 |
|--------------------|---------|----------------|----------|

Total number of candidates certified in this course: **2140**



*Devendra Jalihal*

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

Jul-Sep 2021  
(8 week course)

*Prof. Andrew Thangaraj*

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



Indian Institute of Technology Madras



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: NPTEL21EE96S23880888

To  
VIMALARANI C  
GF3, MITHRA BLOCK, AGRINI APRATMENTS  
ANDAL PURAM, MADURAI  
MADURAI  
TAMIL NADU - 625003  
PH. NO :9790425040



| 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.



Elite

# NPTEL Online Certification

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



This certificate is awarded to

**VIMALARANI C**

for successfully completing the course



## DC Microgrid and Control System

with a consolidated score of **90** %

|                    |       |                |          |
|--------------------|-------|----------------|----------|
| Online Assignments | 25/25 | Proctored Exam | 64.75/75 |
|--------------------|-------|----------------|----------|

Total number of candidates certified in this course: **124**

Prof. V. C. Srivastava  
Coordinator, Continuing Education Centre  
IIT Roorkee

Jul-Sep 2021  
(8 week course)

Prof. Priti Maheshwari  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee

