



This is to certify that



**AMMANGI PRADEEP KUMAR**

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

**VLSI design**  
(Electrical Engineering)

The courses were completed in the period April 2022

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

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

Roll No: NPTELDS12200000024

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	Basic Electric Circuits	12	IIT Kanguur	Jul-Oct 2019	67	
core	Analog Circuits	8	IIT Bombay	Jan-Mar 2021	75	
core	Digital Circuits	12	IIT Kharagpur	Sep-Dec 2020	71	
core	Microprocessors And Microcontrollers	12	IIT Kharagpur	Jan-Apr 2022	63	
Elective	Microprocessors and Interfacing	12	IIT Guwahati	Jan-Apr 2022	69	
Elective	System Design Through VERILOG	8	IIT Guwahati	Jul-Sep 2021	76	
<b>Total Marks</b>					<b>421</b>	

#### Criteria for certification in VLSI design Domain:

The candidate should complete the prescribed 4 core courses and 2 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

