



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
GADDALA BABURAO
for successfully completing the course



Phase-Locked Loops

with a consolidated score of **54** %

Online Assignments	17.81/25	Proctored Exam	36/75
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Total number of candidates certified in this course: **46**

Prof. Andrew Thangaraj

Chair

Centre for Outreach and Digital Education, IITM

Jul-Oct 2025

(12 week course)

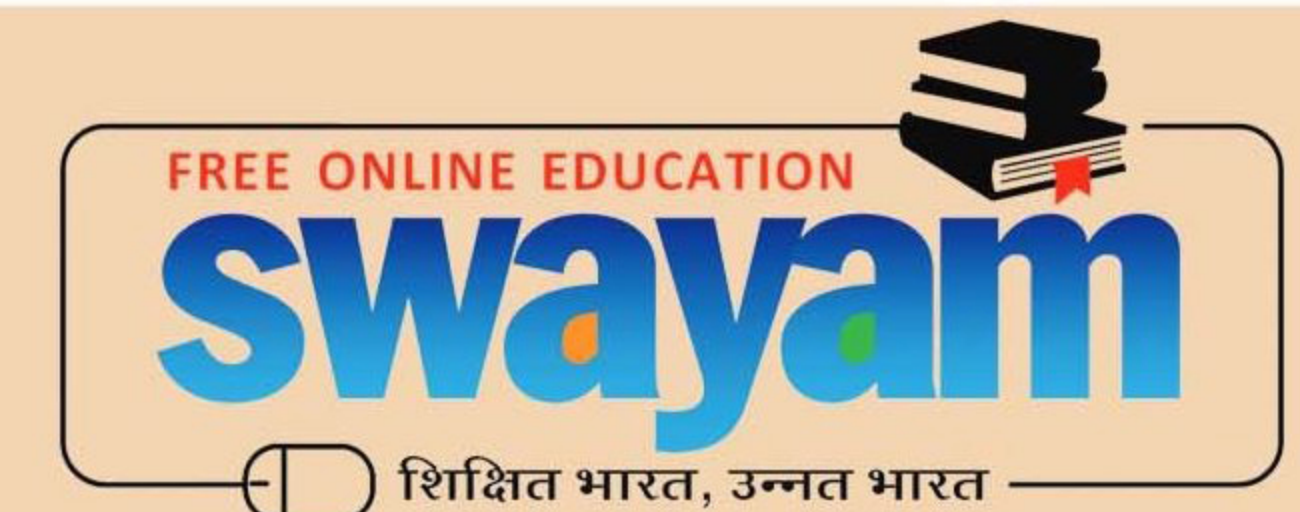
Prof. Vignesh Muthuvijayan

NPTEL Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25EE93S358203488

To verify the certificate



No. of credits recommended: 3 or 4