



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SHANMUGARAJAN B

for successfully completing the course



Introduction to Microwave and Optical Metamaterials

with a consolidated score of **90** %

TOPPER

Online Assignments	24.63/25	Proctored Exam	65.82/75
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Total number of candidates certified in this course: **84**

Dr. Salil Kashyap

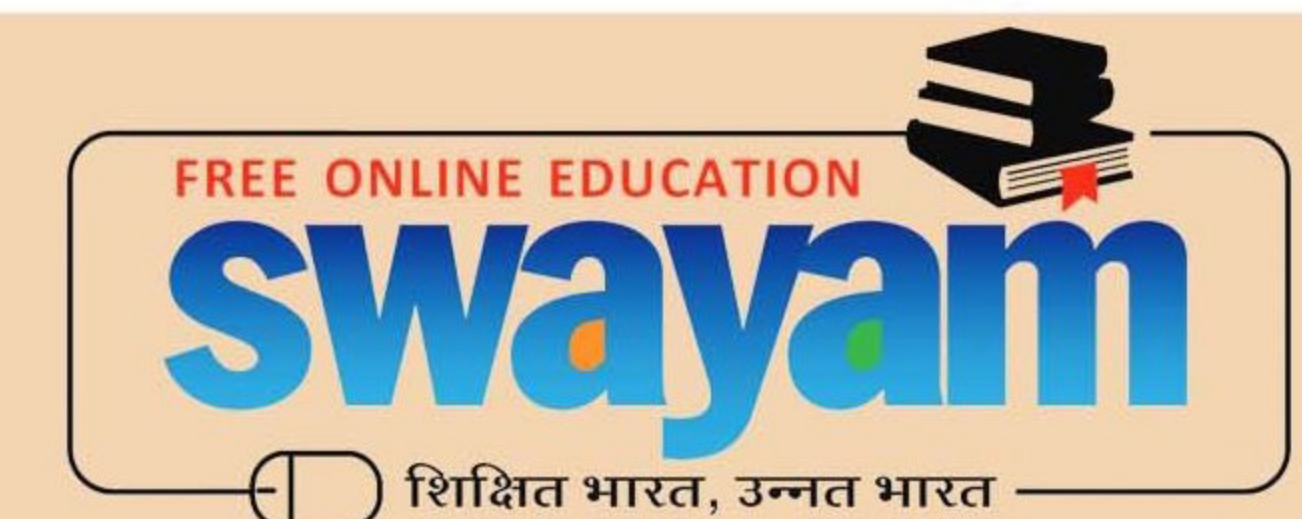
Coordinator, Centre for Educational Technology,
IIT Guwahati

Jul-Oct 2025

(12 week course)



Indian Institute of Technology Guwahati



Roll No: NPTEL25EE174S670600831

To verify the certificate



No. of credits recommended: 3 or 4