



NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DEEPTANUSH C
for successfully completing the course



Bioreactors

with a consolidated score of **52** %

Online Assignments	21.83/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **143**

Prof. Andrew Thangaraj

Chair

Centre for Outreach and Digital Education, IITM

Jul-Aug 2025

(4 week course)

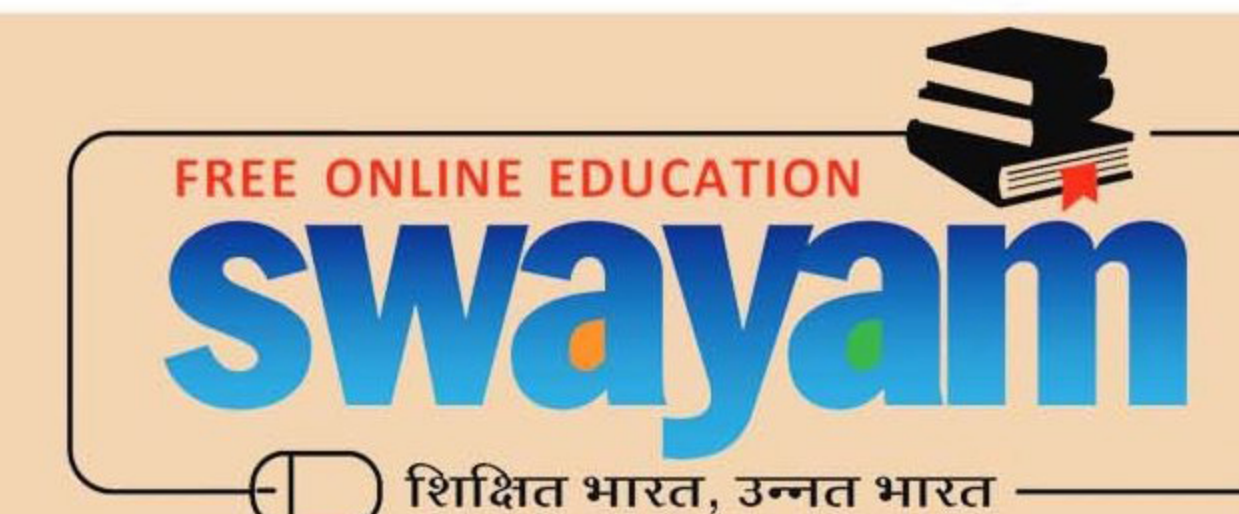
Prof. Vignesh Muthuvijayan

NPTEL Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL25BT65S432101811

To verify the certificate



No. of credits recommended: 1 or 2