NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

SANJAY

for successfully completing the course

Bioreactor Design and Analysis

with a consolidated score of **52** %

Online Assignments	21.88/25	Proctored Exam	30/75

Total number of candidates certified in this course: **97**

Devendra Jalihal

Prof. Devendra Jalihal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Mar 2024

(8 week course)

Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras

Indian Institute of Technology Madras

FREE ONLINE EDUCATION swayam शिक्षित भारत, उन्नत भारत

Roll No: NPTEL24BT17S355400039

To verify the certificate

No. of credits recommended: 2 or 3