



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

D PRAVEENKUMAR

for successfully completing the course

Bioreactors

with a consolidated score of **61** %

Online Assignments	20.58/25	Proctored Exam	40.01/75
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Total number of candidates certified in this course: **152**

Devendra Jalihal

Prof. Devendra Jalihal

Chairperson,

Centre for Outreach and Digital Education, IITM

Jul-Aug 2023

(4 week course)

Prof. Andrew Thangaraj

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL23BT45S45342262

To verify the certificate



No. of credits recommended: 1 or 2