



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to

PANATI KALPANA

for successfully completing the course

Microbial Biotechnology

with a consolidated score of **90** %

Online Assignments	25/25	Proctored Exam	64.5/75
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Total number of candidates certified in this course: **1644**



Dr. Salil Kashyap

Coordinator, Centre for Educational Technology,
IIT Guwahati

Jan-Apr 2026

(12 week course)



Indian Institute of Technology Guwahati



Roll No: NPTEL26BT20S1157100045

To verify the certificate



No. of credits recommended: 4