



ELITE

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
कौशल भारत - कुशल भारत



This certificate is awarded to

SUMUKHA UPADHYAYA

for successfully completing the course



INTRODUCTION TO GRAPH ALGORITHMS

*with a consolidated score of **88%***

Online Assignments	25/25	Proctored Exam	63/75
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*Total number of candidates certified in this course: **678***

JUL-SEP 2026

(8 week course)

Prof. L. Umanand

NPTEL Coordinator & Chair, Centre for Continuing
Education, IISc Bangalore



Indian Institute of Science Bangalore



Roll No: NPTEL26CS108S352200437

To verify the certificate



No. of credits recommended: 3