

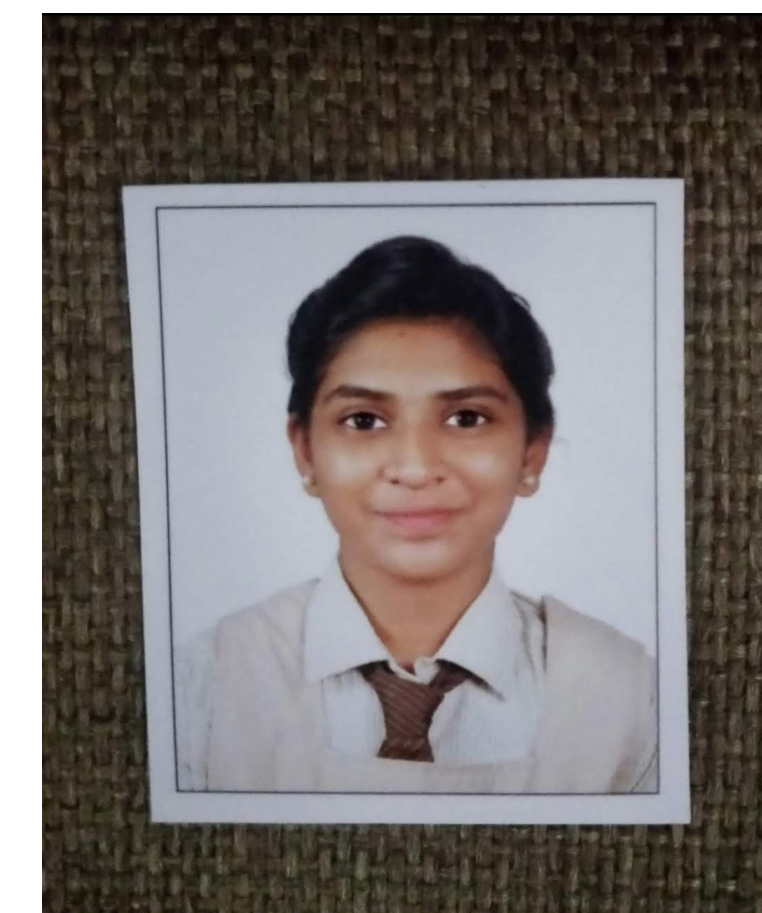


NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DEVANANDA ANIL
for successfully completing the course



Essential Mathematics for Machine Learning

with a consolidated score of **52** %

Online Assignments	21.56/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **419**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

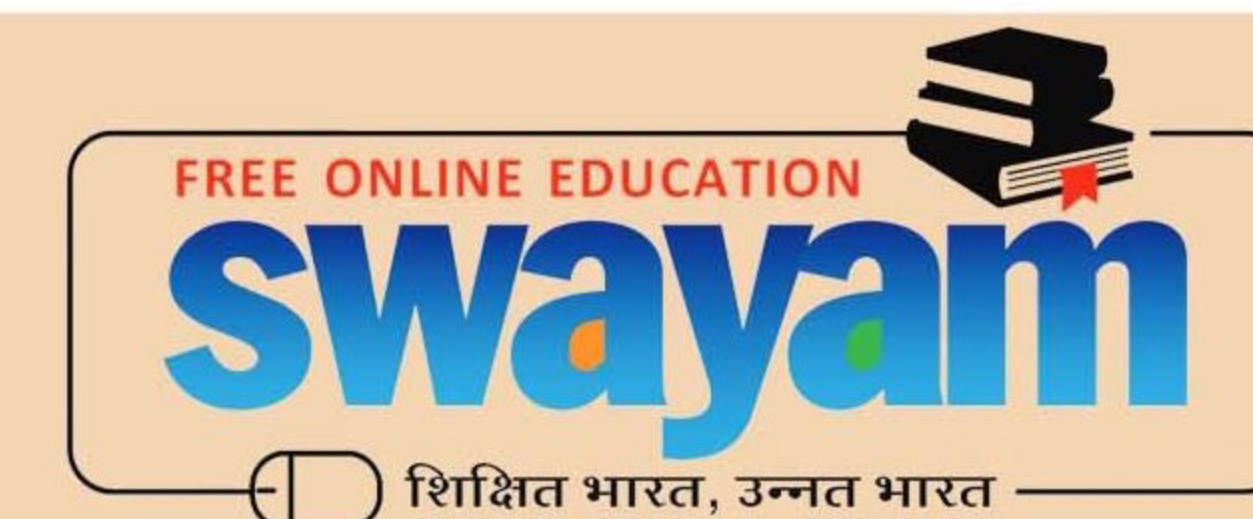
Jul-Oct 2025

(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL25MA82S655900971

To verify the certificate



No. of credits recommended: 3 or 4