



ELITE

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India

कौशल भारत - कुशल भारत

This certificate is awarded to

SANDEEP PAL

for successfully completing the course

BUSINESS ANALYTICS & TEXT MINING MODELING USING PYTHON

with a consolidated score of **80%**

Online Assignments	24.17/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **1535**



Prof. Kaushik Ghosh
Professor (Chemistry)
Coordinator CEC

JUL-SEP 2026
(8 week course)

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



Indian Institute of Technology Roorkee



Roll No: NPTEL26MG87S456800695

To verify the certificate



No. of credits recommended: 3