



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



Skill India
कौशल भारत - कुशल भारत

This certificate is awarded to

RANJAN KUMAR

for successfully completing the course



Sustainable Engineering Concepts and Life Cycle Analysis

with a consolidated score of **65** %

Online Assignments	22.42/25	Proctored Exam	43/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **17346**

Jul-Sep 2025
(8 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No:NPTEL25CE117S644601114

To verify the certificate



No. of credits recommended: 2 or 3