



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

PAWAN KUMAR RANJAN

for successfully completing the course

Data Structure and Algorithms Using Java



with a consolidated score of **75** %

Online Assignments	23.06/25	Proctored Exam	52/75
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Total number of candidates certified in this course: **3896**

Jul-Oct 2023

(12 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS85S734308295

To verify the certificate



No. of credits recommended: 3 or 4