

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL21CS61S23030176

To
ARNAB DEB
NEAR INDRANAGAR HIGH SCHOOL, AGARTALA
TRIPURA WEST, 799006
AGARTALA
TRIPURA - 799006
PH. NO : 8256997736



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

ARNAB DEB

for successfully completing the course

Computer Architecture and Organization

with a consolidated score of **53** %

Online Assignments	22.35/25	Proctored Exam	30.75/75
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Total number of candidates certified in this course: **278**

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jul-Oct 2021
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur





Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

ARNAB DEB

for successfully completing the course

Software Testing

with a consolidated score of **67** %

Online Assignments	21.56/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **5771**

Dr. Chandrashekar Ramanathan

Chairman

Professor and Dean (Academics), IIIT- Bangalore

Jul-Oct 2022

(12 week course)

Prof. Andrew Thangaraj

NPTEL, Coordinator

IIT Madras



**INTERNATIONAL INSTITUTE
OF INFORMATION TECHNOLOGY BANGALORE**

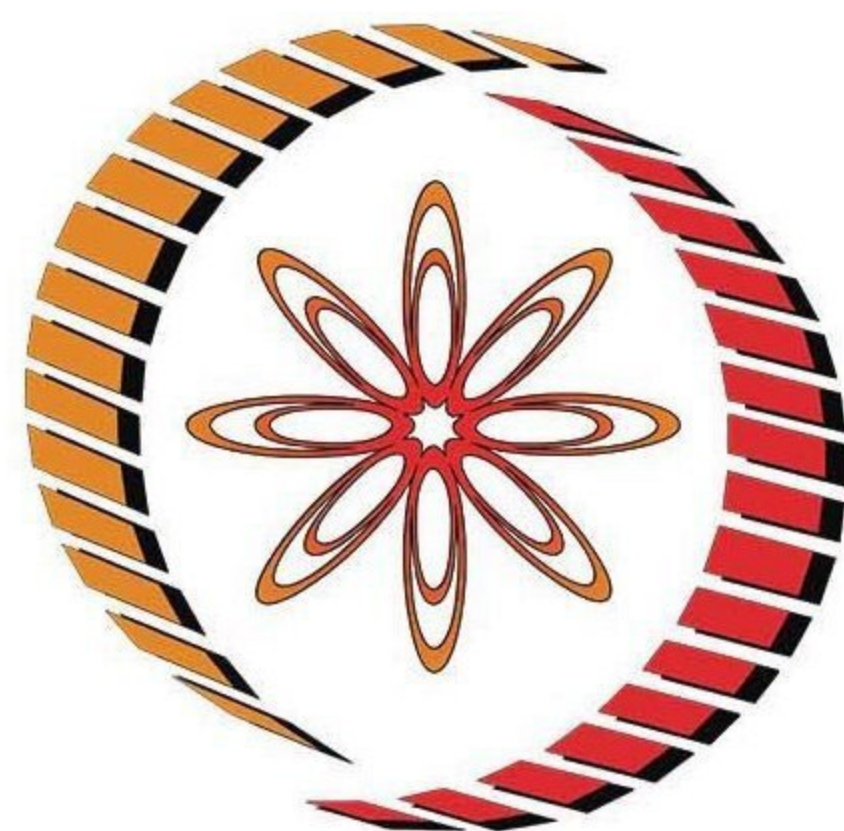


Roll No: NPTEL22CS61S104671325

To validate the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
ARNAB DEB
for successfully completing the course



Data Mining

with a consolidated score of **75** %

Online Assignments	23.33/25	Proctored Exam	51.78/75
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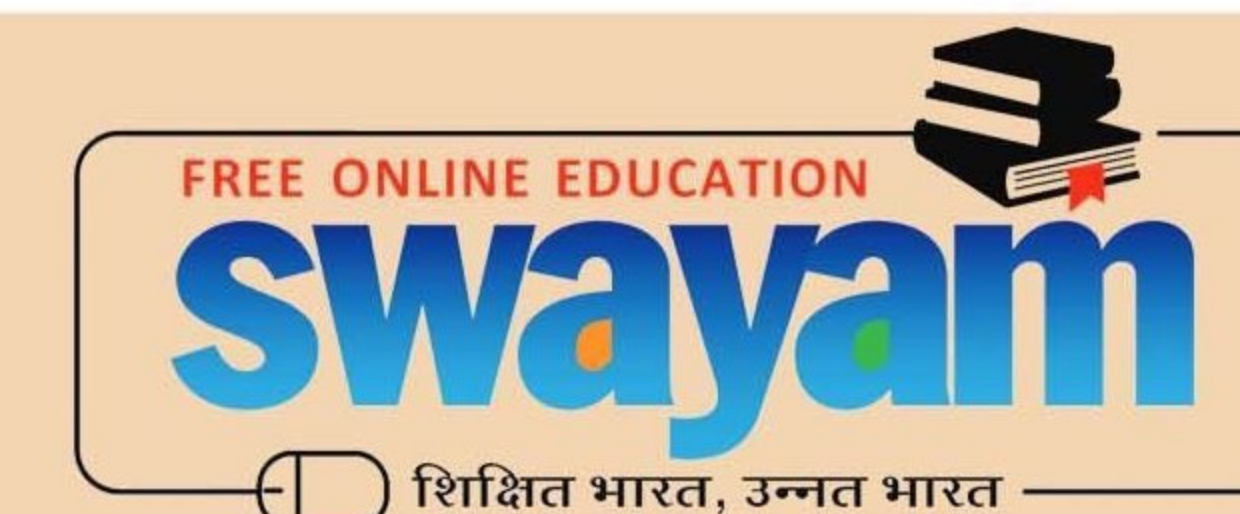
Total number of candidates certified in this course: **4368**

Jan-Mar 2023
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS43S24320957

To validate the certificate



No. of credits recommended: 2 or 3