

To

MRINAL KANTI DEBNATH 188/1, KABI NABIN SEN ROAD, GUPTA MANJIL DUM DUM KOLKATA WEST BENGAL 700028 PH. NO :9231894617



Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3



NPTEL Online Certification

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



This certificate is awarded to

MRINAL KANTI DEBNATH

for successfully completing the course

Solid State Physics

with a consolidated score of 59 %

Online Assignments 22/25 Proctored Exam 36.75/75

Total number of candidates certified in this course: 134

Ampor Ban

Prof. Anupam Basu Chairman and Head Centre for Educational Technology, IIT Kharagpur

Jul-Oct 2017 (12 week course) A. Goshami

Prof. Adrijit Goswami Dean Continuing Education, IIT Kharagpur





TO MRINAL KANTI DEBNATH 188/1 KABI NABIN SEN ROAD PS AND PO DUM DUM **DUM DUM** KOLKATA WEST BENGAL 700028 PH. NO:9231894617



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

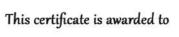
No. of credits recommended by NPTEL:3





nline Certification

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



MRINAL KANTI DEBNATH

for successfully completing the course



with a consolidated score of

%

Online Assignments 23.69/25 Proctored Exam

67.5/75

Total number of candidates certified in this course: 126

A. GOSHAM

Prof. Adriiit Goswami Dean, Continuing Education & NPTEL Coordinator **IIT Kharagpur**

Jan-Apr 2019 (12 week course)





This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22PH06S43701975

TO MRINAL KANTI DEBNATH 188/1 KABI NABIN SEN ROAD KAZI PARA , GUPTA MANJIL 24 PGS NORTH WEST BENGAL - 700028 PH. NO :9231894617



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 MoE, Govt. of India)



This certificate is awarded to

MRINAL KANTI DEBNATH

for successfully completing the course

Quantum Mechanics I

with a consolidated score of 46

Online Assignments | 15.78/25 | Proctored Exam | 30/75

Total number of candidates certified in this course: 29

Jan-Apr 2022 (12 week course)





Indian Institute of Technology Bombay





To

MRINAL KANTI DEBNATH
188/1, KABI NABIN SEN ROAD, P.S. & P.O.
- DUMDUM, KOLKATA
KOLKATA
NORTH 24 PARGANAS
WEST BENGAL
700028
PH. NO :9231894617



Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3



Elite

NPTEL Online Certification

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



This certificate is awarded to

MRINAL KANTI DEBNATH

for successfully completing the course

Nuclear and Particle Physics

with a consolidated score of 63 %

Online Assignments | 20.5/25 | Proctored Exam | 42/75

Total number of candidates certified in this course: 101

Prof. Sunil Khijwania Head, Center for Educational Technology NPTEL Coordinator, IIT Guwahati

Jan-Apr 2018 (12 week course)







Roll No: NPTEL19MA12S31630848

TO MRINAL KANTI DEBNATH 188/1 KABI NABIN SEN ROAD PS AND PO DUM DUM KOLKATA WEST BENGAL 700028 PH. NO:9231894617

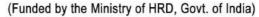


Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully completed the course
<40	No Certificate

No. of credits recommended by NPTEL:3



NPTEL Online Certification





This certificate is awarded to

MRINAL KANTI DEBNATH

for successfully completing the course

Mathematical Methods and Its Applications

with a consolidated score of

Online Assignments | 17.38/25 | Proctored Exam

30/75

Total number of candidates certified in this course: 345

Rearden

Prof. B. K. Gandhi Coordinator, Continuing Education Centre NPTEL Coordinator, IIT Roorkee

Jan-Apr 2019 (12 week course)





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Roll No: NPTEL20PH09S61810091

TO MRINAL KANTI DEBNATH 188/1, KABI NABIN SEN ROAD,, PS & PO DUM DUM, DIST 24 PGS (N) ,KOLKATA ----28 KOLKATA WEST BENGAL - 700028 PH. NO :9231894617



	Score	Type of Certificate
	>=90	Elite+Gold
	75-89	Elite+Silver
	>=60	Elite
	40-59	Successfully Completed
ľ	<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.



Elite

NPTEL Online Certification

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



This certificate is awarded to

MRINAL KANTI DEBNATH

for successfully completing the course

O det

Experimental Physics III

with a consolidated score of 87 %

Online Assignments | 22.78/25 | Proctored Exam | 64.5/75

Total number of candidates certified in this course: 12

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

Jan-Apr 2020 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur





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: NPTEL20PH04S41810079

TO MRINAL KANTI DEBNATH 188/1, KABI NABIN SEN ROAD,, PS & PO DUM DUM, DIST 24 PGS (N) ,KOLKATA ----28 KOLKATA WEST BENGAL - 700028 PH. NO :9231894617



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.



Elite

NPTEL Online Certification

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



This certificate is awarded to

MRINAL KANTI DEBNATH

for successfully completing the course

Experimental Physics - II

with a consolidated score of 94 %

Online Assignments 24.69/25 Proctored Exam 69/75

Total number of candidates certified in this course: 31

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

Roll No: NPTEL20PH04S41810079

Jan-Apr 2020 (12 week course) Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur







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Score	Type of Certificate
>=90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
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No. of credits recommended by NPTEL:3



NPTEL Online Certification

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This certificate is awarded to

MRINAL KANTI DEBNATH

for successfully completing the course

Atomic and Molecular Physics

with a consolidated score of 84 %

Online Assignments | 22.75/25 | Proctored Exam | 61.5/75

Total number of candidates certified in this course: 57

Prof. Anupam Basu NPTEL Coordinator IIT Kharagpur

Jan-Apr 2018 (12 week course) Prof. Adrijit Goswami
Dean
Continuing Education, IIT Kharagpur



