

# NPTEL Course Certificates

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

Roll No: NPTEL22PH04S33080191

To  
REENA Y BAKALE  
WARUD  
DIST. AMRAVATI  
WARUD  
MAHARASHTRA - 444906  
PH. NO :8055894696



Score	Type of Certificate
$\geq 90$	Elite+Gold
75-89	Elite+Silver
$\geq 60$	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  
**REENA Y BAKALE**  
for successfully completing the course

**Experimental Physics III**

with a consolidated score of **57** %

Online Assignments	18.47/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **26**

Prof. Jayanta Mukhopadhyay  
Dean Outreach  
IIT Kharagpur

Jan-Apr 2022  
(12 week course)

Prof. Debjani Chakraborty  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22PH04S33080191

To validate and check scores: <https://nptel.ac.in/noc>

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: NPTEL20PH16S51080036

To  
REENA Y BAKALE  
WARUD  
DIST. AMRAVATI  
WARUD  
MAHARASHTRA - 444906  
PH. NO :8055894696



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  
**REENA Y BAKALE**  
for successfully completing the course

### Experimental Physics I

with a consolidated score of **51** %

Online Assignments	19.69/25	Proctored Exam	31.5/75
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Total number of candidates certified in this course: 174

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

Sep-Dec 2020  
(12 week course)

Prof. Debjani Chakraborty  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL20PH16S51080036

To validate and check scores: <https://nptel.ac.in/noc>

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: NPTEL20PH04S41080046  
To  
REENA Y BAKALE  
WARUD  
DIST. AMRAVATI  
WARUD  
MAHARASHTRA - 444906  
PH. NO :8055894696

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  
**REENA Y BAKALE**  
for successfully completing the course

## Experimental Physics - II

with a consolidated score of **54** %

Online Assignments	23.69/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **31**

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

Jan-Apr 2020  
(12 week course)

  
**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL20PH04S41080046

To validate and check scores: <https://nptel.ac.in/noc>

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: NPTEL21PH11S24061350

To  
AMRAPALI BHAURAO PATIL  
PLOT NO.119,SATNAMI NAGAR  
OLD BHANDARA ROAD NEAR N. I. T. GROUND  
NAGPUR  
MAHARASHTRA - 440008  
PH. NO :8408051212



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  
**AMRAPALI BHAURAO PATIL**  
for successfully completing the course

**Experimental Physics II**

with a consolidated score of **72** %

Online Assignments	23.91/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **89**

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

Jan-Apr 2021  
(12 week course)

  
**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL21PH11S24061350

To validate and check scores: <https://nptel.ac.in/noc>