

# Online WEBINAR

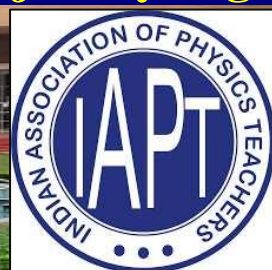
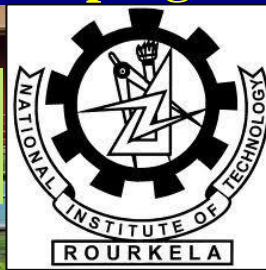
## Topic: Machine learning (ML) for Physics and Physics for ML

(On behalf of the Department of Physics and Astronomy, NIT Rourkela in collaboration with IAPT)

1<sup>st</sup> June 2024 (Saturday) to 5<sup>th</sup> June 2024 (Wednesday) (6.00 PM-9.00 PM)

National-level program jointly organized by

Department of Physics and Astronomy,  
NIT Rourkela



Indian Association of Physics Teachers  
(IAPT)

We are offering an online webinar which is basically meant for Physics teachers and students across the country

### Topics to be covered

- General introduction to ML
- Quantum ML
- ML for Materials Science Research
- ML for Astrophysics
- ML for Condensed Matter Physics
- ML for Chemical Physics
- ML for Environmental Physics
- ML for Atmospheric Physics
- ML for High Energy Physics
- ML for Biophysics/Soft Matter Physics

### Eligibility to apply

Physics teachers, research scholars, PG and UG students across the country

**Last date of application:**  
**25<sup>th</sup> May 2024**

### Registration fee:

UG/PG/Research Scholars: Rs. 500/-  
IAPT Members: Rs. 600/-  
Physics Teachers: Rs. 800/-

### National Advisory committee

Patron: Dean (SRICCE), NIT Rourkela  
Chairman: HOD Physics, NIT Rourkela  
Convenor: Prof D.K. Bisoyi, NIT Rourkela  
Co-convenor: Prof: JP Kar, NIT Rourkela  
Secretary: Prof. S.K. Bisoi, NIT Rourkela  
Treasurer: Prof. S. Sahoo, NIT Rourkela  
Prof. PK Ahluwalia (IAPT President)  
Prof Rekha Ghorpade (General secretary IAPT)  
Prof Sree Mishra (President RC-16, IAPT)  
Prof Rita Paikaray (General secretary RC-16, IAPT)

### Local Organizing Committee:

Chairman: HOD Physics, NIT Rourkela  
Convenor: Prof D.K. Bisoyi, NIT Rourkela  
Co-convenor: Prof: JP Kar, NIT Rourkela  
Prof. B. Ganguli, NIT Rourkela, Member  
Prof. S. S. Jena, NIT Rourkela, Member  
Prof. P. Kumar, NIT Rourkela, Member  
Prof. Dillip K. Pradhan, NIT Rourkela  
Prof. A. K. Singh, NIT Rourkela  
Prof. P. Mahanandia, NIT Rourkela  
Prof. S. N. Dash, NIT Rourkela, Member  
Prof. A. C. Pradhan, NIT Rourkela, Member  
Prof. S. Mishra, NIT Rourkela, Member  
Prof. S. Datta, NIT Rourkela, Member  
Prof. S. C. Mahapatra, NIT Rourkela, Member  
Prof. M. Biswas, NIT Rourkela, Member  
Prof. I. Banerjee, NIT Rourkela, Member  
Prof. Bharat Kumar, NIT Rourkela, Member  
Prof. A. P. Yadav, NIT Rourkela, Member  
Prof. G. N. Daptary, NIT Rourkela, Member  
Prof. S. K. Bisoi, NIT Rourkela, Member  
Prof. S. Sahoo, NIT Rourkela, Member

Registration URL: <https://forms.gle/uq3uMbsayouiCR5R9>

NB: Registration must be done through the Google Meet link only  
Registration fee can be paid online via NEFT/RTGS/IMPS using the following information:

Account Name: Conference, NIT Rourkela

A/C No.: 36734418111

Bank: State Bank of India (SBI), Branch: NIT Rourkela Campus

Branch Code: 002109

MICR Code: 769002007

SWIFT Code: SBININBB137

IFSC Code: SBIN0002109

### Schedule for the Webinar

1<sup>st</sup> June 2024 to 5<sup>th</sup> June 2024  
(6.00 PM-9.00 PM)

Lecture 1: 6.00 PM -6.45 PM

Discussion: 6.45 PM-7.00 PM

Quiz test 1: 7.00 PM -7.20 PM

Lecture 2: 7.30 PM -8.15 PM

Discussion: 8.15 PM-8.30 PM

Quiz test 2: 8.30 PM-8.50 PM

Opening session: 5.30 PM to 6.00 PM  
(1<sup>st</sup> June 2024)

Closing session: 9.00 PM to 9.30 PM  
(5<sup>th</sup> June 2024)

Based on the CGPA  
obtained from QUIZ  
tests, winners of the  
prizes will be declared.

1<sup>st</sup> Prize: 5000/-  
2<sup>nd</sup> Prize: 3000/-  
3<sup>rd</sup> Prize: 2000/-

### Contact details:

Coordinator: Dillip Kumar Bisoyi Visit: [www.nitrkl.ac.in](http://www.nitrkl.ac.in)

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