



R. J. COLLEGE of Arts, Science & Commerce (AUTONOMOUS)

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

Opposite Ghatkopar Railway Station, Ghatkopar (West), Mumbai - 400 086, Maharashtra, INDIA.

Website : www.rjcollege.edu.in Email : rjcollege@rjcollege.edu.in Tel. No.: +91 22 25151763 Fax No: +91 22 25150957

College is recognized under Section 2(f) & 12(B) of the UGC Act. 1956

Affiliated to UNIVERSITY OF MUMBAI II NAAC Re-Accredited 'A' Grade (CGPA: 3.50)

Notice

Hindi Vidya Prachar Samiti's

R. J. COLLEGE OF ARTS, SCIENCE & COMMERCE (AUTONOMOUS)

Opposite Ghatkopar Railway Station, Ghatkopar (W), Mumbai 400 086.

Department of Physics invites you to a DBT Star activity

A RJC Popular Lecture on

Three Quantum Principles (and their Engineering Applications)

By

Prof. Sai Vinjanampathy,

Department of Physics,

Indian Institute of Technology Bombay, Mumbai

Time : 11.00 am

On Wednesday, 16th March 2022

Topic: RJC Popular Lecture Series

Join Zoom Meeting:

<https://zoom.us/j/93748543669?pwd=ZEo5ZFdNRGJvS3dmT2U1MEJjYlVhdz09>

Meeting ID: 937 4854 3669

Passcode: 132349

All are cordially invited

S. Vinjanampathy

Head, Department of Physics

S. Vinjanampathy

Principal

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Brochure

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Department of Physics invites you to a DBT Star Activity

A Popular Lecture on:

The Three Quantum Principles (and their Engineering Applications)

Dr. Sai Vinjanampathy

Department of Physics

Indian Institute of Technology Bombay, Mumbai

Date: 16th March, 2022 (Wednesday)

Time: 11.00 am

YouTube: <https://www.youtube.com/rjcopencourseware/>



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Report

A popular lecture on Three principles of Quantum Mechanics (and their Engineering Applications) was delivered on March 16, 2022 by Prof. Sai Vinjanampathy, Department of Physics, Indian Institute of Technology Bombay, Mumbai. He explained the Quantum Mechanics fundamentals and their applications in engineering field. 87 students and 8 teachers attended the talk.

Total Participants: 95

Students: 87

Teachers:8




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Photos



THREE QUANTUM PRINCIPLES

...AND THEIR ENGINEERING APPLICATIONS

Sai Vinjanampathy Physics, IIT Bombay

sai@phy.iitb.ac.in



R. J. College of Arts and Science, March 16th, 2022.



NEED: CERTIFIABLE RANDOMNESS...



$$|0\rangle = \begin{bmatrix} 1 \\ 0 \end{bmatrix}$$



???



$$|1\rangle = \begin{bmatrix} 0 \\ 1 \end{bmatrix}$$



Is it a bird?

Is it an insect?



$$|0\rangle = \begin{bmatrix} 1 \\ 0 \end{bmatrix}$$

$$|1\rangle = \begin{bmatrix} 0 \\ 1 \end{bmatrix}$$



(Handwritten Signature)

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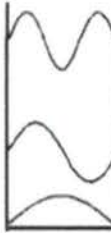
PHYSICS CONSEQUENCE OF THIS EXPERIMENT

परिणाम

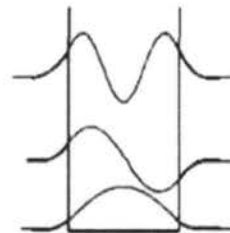


1) WAVEFUNCTION DESCRIPTION

Infinite square well wave functions



Finite square well wave functions



2) EQUATION GIVEN BY TDSE

$$i \frac{\partial \Psi(x, t)}{\partial t} = H(x, t) \Psi(x, t)$$



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Attendance:

Email Address	Name of the participants(as it to be printed on certificate)	Name of the college/Institutions
upadhyaysachit@gmail.com	Sachit Upadhyay	Ramniranjan jhunjunwala college
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Certificates:



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Ghatkopar (West), Mumbai : 400086

Department of Physics

This certificate declares that

Surykant Bind

has participated in Guest lecture as conducted by
"Prof. Sai Vinjanampathy"
"Three Quantum Principles (and their Engineering Application)"
organized by Department Of Physics
held on 16th March 2022.


Dr. Himanshu Dawda
Principal


Dr. Neeta B. Srivastava
Head, Department of Physics



Hindi Vidya Prachar Samiti's
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Ghatkopar (West), Mumbai : 400086

Department of Physics

This certificate declares that

Prachi Yadav

has participated in Guest lecture as conducted by
"Prof. Sai Vinjanampathy"
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