

Vidya Prasarak Mandal's
Mungasaji Maharaj Mahavidyalaya, Darwha



**NATIONAL
SCIENCE
DAY
2021**



Academic Guidance Talk

“Need and Advantages of Quantum Mechanics”

Date: 28th Feb, 2021

Organized by
**Department of Physics in Collaboration with IQAC,
Mungasaji Maharaj Mahavidyalaya, Darwha**



Dr. Sangeeta V Ghukhedkar
Secretary



Dr. Vilas B. Raut
Principal



Dr. Kishor A. Koparkar
Guest Speaker



Dr. Kishor K. Hurde
Head,
Department of Physics



Dr. Prashant D. Bageshwar
IQAC Coordinator

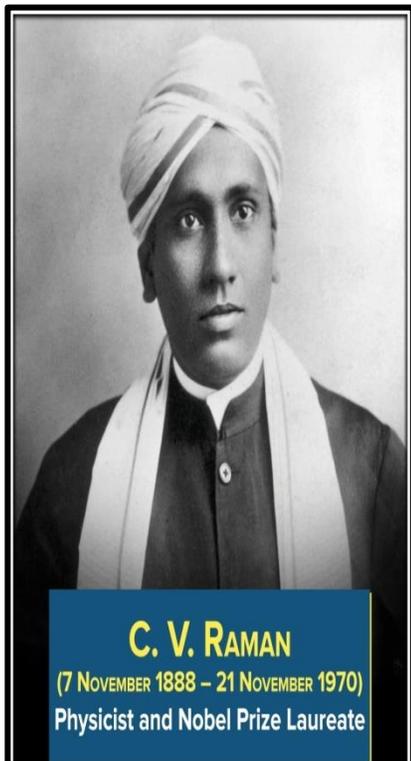


Miss. Dhanshree D. Kothekar
Assistant Professor,
Department of Physics

Academic Guidance Talk

“Need and Advantages of Quantum Mechanics”

Date: 28th Feb 2021



About Academic Guidance Talk

National Science Day is celebrated on 28th February each year in India with to mark the discovery of the Raman Effect by Indian Physicist Sir C. V. Raman. For his discovery Sir C. V. Raman is awarded with the Nobel Prize in 1930. He is the First Indian Physicist to get this great award. NSD is celebrated to emphasis on the culture and applications of science for the welfare of the people. This event is now celebrated all over India in schools, colleges, universities and other academic, scientific, technical, medical and research institutions. Department of Physics, Mungasaji Maharaj Mahavidyalaya, Darwha organizing the a Academic Guidance Talk on “Need and Advantages of Quantum Mechanics” which is one of the syllabus topic of B. Sc. III and M. Sc. Students.

About Invited Speaker

Dr. Kishor A. Koparkar was our guest speaker. He is working as an Assistant Professor at Department of Physics, Matoshri Subhadrabai Art, Science and Late Pandurang Thakare Commerce College, Manora since 2017. He is awarded with Ph. D. for the topic “Step towards Enhancement of Luminescence in Yttrium Based Phosphors” in 2016. He has published total 67 Research Papers in reputed Journals as well as in International and National Conferences. He completed all his academics from S.G.B.A.U., Amravati. He has 4 years of teaching experience on B. Sc. On the occasion of National Science Day 2021 Dr. Koparkar had given the Academic Guidance Talk on the topic “Need and Advantages of Quantum Mechanics”.

Highlights of the Event

- More than 60 students were attended the guidance talk.
- Participation Certificates were issued to all the participants.
- Miss. Sakshi Rathod, B. Sc. III student, had given her feedback as the lecture is really very effective and informative.
- The program was hosted by Prof. Dhanshree Kothekar and vote of thanks was delivered by Dr. Prashant Bageshwar.

16:17

M.S.P. ARTS, SCIENCE AND K.P.T.COMMERCE COLLEGE
MANORA, DIST. WASHIM

Dr. Kishor A. Koparkar
Asst. Prof. and HOD Physics

Topic: Need and advantages of Quantum

(49)

quantum mechanics (You)

kishor koparkar

kishor koparkar

Prof. Dhanshree Kothekar

Also in the meeting (45)

adiba khanam Khan

16:35

a particle can be put into a superposition of multiple states at ONCE

<p>Classical elephant: Valid states:</p> <p>Gray</p> <p>Multicolored</p>	<p>Quantum elephant: Valid states:</p> <p>Gray Multicolored</p> <p>Gray AND Multicolored</p>
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(60)

quantum mechanics (You)

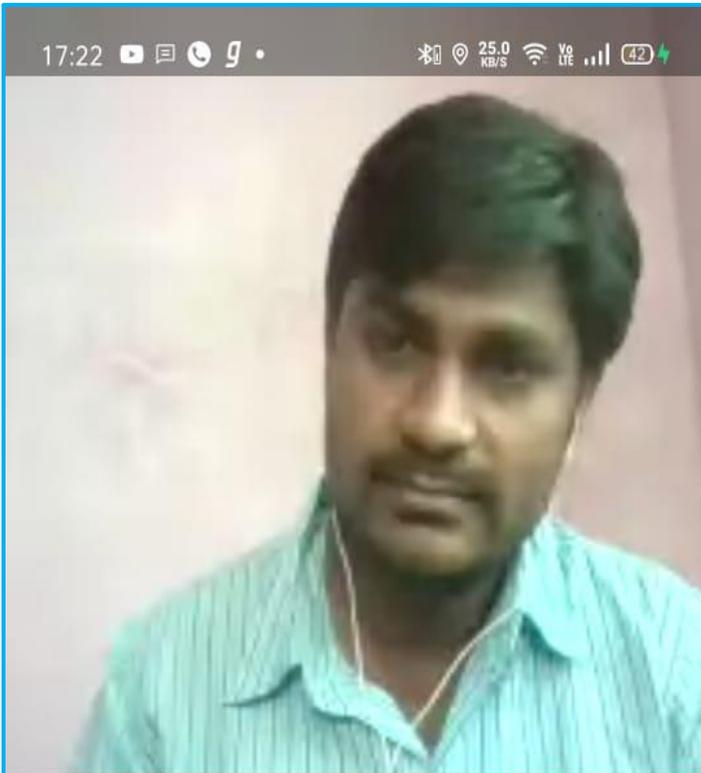
kishor koparkar

kishor koparkar

Prof. Dhanshree Kothekar

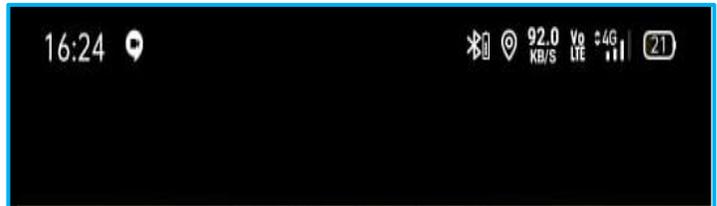
Also in the meeting (56)

adiba khanam Khan



(45) [Messages icon] [Info icon]

- q quantum mechanics (You)
- SAKSHI RATHOD
- kishor koparkar
- Prof. Dhanshree Kothekar
- Also in the meeting (41)
- aniket chandanshe



Earlier Debate



Christiaan Huygens

Dutch 1629-1695

"light consists of waves"

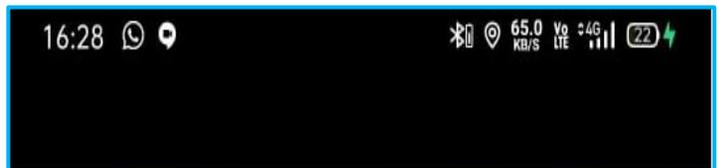


Sir Isaac Newton

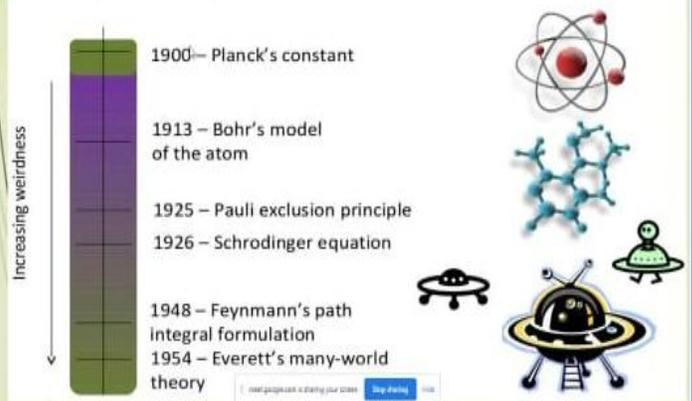
1643-1727

"light consists of particles"

The idea of duality is rooted in a debate over the nature of light and matter dating back to the 1600s, when competing theories of light were proposed by Huygens and Newton.



Quantum mechanics was developed to explain these results and developed into the most successful physical theory in history





Vidya Prasarak Mandal, Darwaha
MUNGASAJI MAHARAJ MAHAVIDYALAYA

Darwaha, Dist. Yavatmal (M.S.)
(Arts, Commerce, Science & H.S.C.V.)

Accredited by NAAC 'C' with 'B' grade

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Principal :
Dr. V. B. Raut
Ph.No. (07238) (O) 254245

Outward No. *MMM/49/21*

Date :

CERTIFICATE OF APPRECIATION

This is to certify that Dr. Kishor Koparkar, Assistant Professor, Department of Physics, Matoshri Subhadrabai Patil College Manora, District- Washim has nicely delivered very much useful and informative online lecture as a Resource Person on 'Needs and Advantages of Quantum Mechanics' which was organized by Department of Physics in collaboration with Internal Quality Assurance Cell (IQAC) of Mungasaji Maharaj Mahavidyalaya, Darwaha on 28th February-2021 on the occasion of National Science Day.

Hence the certificate of appreciation is issued.

Principal
Principal

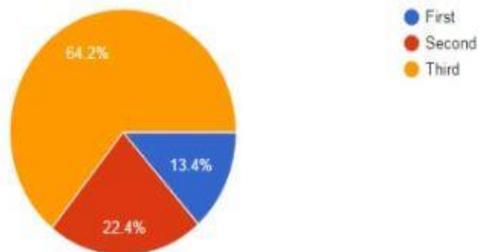
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godmale97@gmail.com	Bhushan Mahadev Godmale	BSC	Third

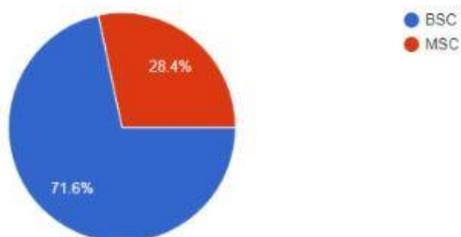
Year

67 responses



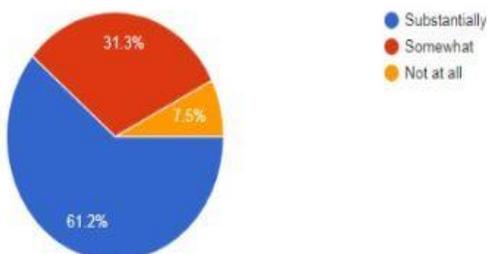
Course

67 responses



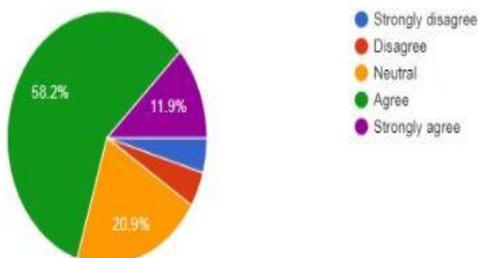
This program enhanced my professional expertise

67 responses



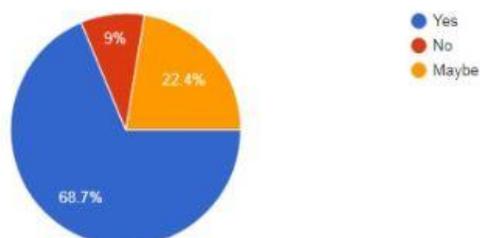
Length of the course was adequate

67 responses



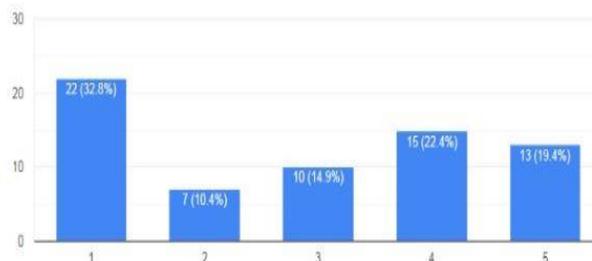
Do you prefer this type of sessions

67 responses



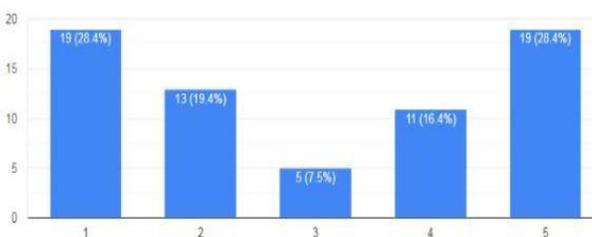
This program met the stated objectives of Topic

67 responses



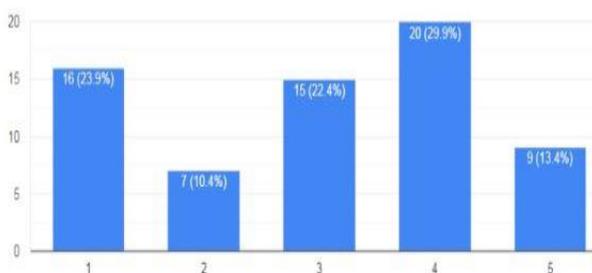
Speaker knowledge in Content Area

67 responses



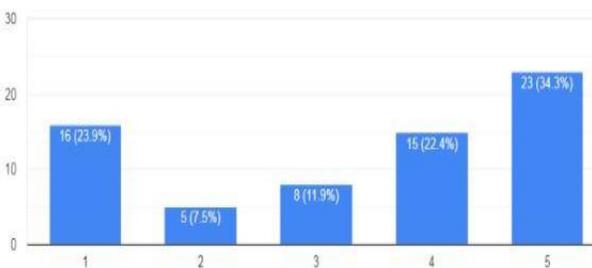
How much the student have the knowledge of the subject ? Before Attending this Lecture

67 responses



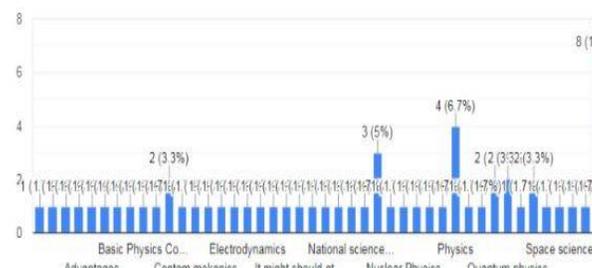
How much the student have the knowledge of the subject ? After Attending this Lecture

67 responses



If yes on which Topic

60 responses





Vidya Prasarak Mandal
Mungasaji Maharaj Mahavidyalaya,
Darwha



CERTIFICATE OF PARTICIPATION

This is to certify that

Mr./ Miss.(Name)..... of(Class).....

has participated in Online Academic Guidance Talk on the topic "Need and Advantages of Quantum Mechanics" organized by Department of Physics in collaboration with IQAC held on 28th Feb. 2021 on the occasion of National Science Day 2021.


Miss. Dhanshree Kothekar
Assistant Professor
Deptt. of Physics


Dr. Prashant Bageshwar
IQAC coordinator
Prof., Deptt. of Physics


Dr. Kishor Hurde
Professor and Head
Deptt. of Physics


Dr. Vilas Raut
Principal
Mungasaji Maharaj Mahavidyalaya

Activate Wind
Go to Settings to a

नॅनो टेक्नॉलॉजीसाठी फिजिक्स उपयुक्त डॉ. किशोर कोपरकर : दारव्हा येथे राष्ट्रीय विज्ञानदिवस

दारव्हा, ता. १० : सूक्ष्म गोष्टीचा सखोल अभ्यास करण्यासाठी क्वांटम मेकॅनिक्स गरजेचे असते. नॅनो मटेरियल तयार करणे वा नॅनो टेक्नॉलॉजी वृद्धिंगत करण्यासाठी क्वांटम फिजिक्स फार उपयुक्त असल्याचे मत मानोरा (जि. वाशीम) येथील मातोश्री सुभद्राबाई महाविद्यालयाचे साहायक प्राध्यापक डॉ. किशोर कोपरकर यांनी व्यक्त केले.

येथील मुंगसाजी महाराज महाविद्यालयात राष्ट्रीय विज्ञान दिनानिमित्त 'नीड्स अँड अँडवॉटेज ऑफ क्वांटम मेकॅनिक्स' या विषयावर ऑनलाइन व्याख्यान आयोजित करण्यात आले होते. यावेळी प्रमुख मार्गदर्शक म्हणून प्रा. डॉ. किशोर कोपरकर बोलत

निबंध स्पर्धेचे ऑनलाइन आयोजन

या ऑनलाइन व्याख्यानात ६० पेक्षा अधिक विद्यार्थ्यांनी आपला सहभाग नोंदविला. राष्ट्रीय विज्ञानदिनाची संधी साधत विद्यार्थ्यांसाठी निबंध स्पर्धेचेदेखील आयोजन करण्यात आले. 'भौतिकशास्त्रातील नोबेल पारितोषिक विजेते' या विषयावरील निबंध विद्यार्थ्यांनी ऑनलाइन सादर करण्याची माहिती यावेळी देण्यात आली.

होते. अध्यक्षस्थानी प्राचार्य डॉ. विलास राऊत होते. तर प्रमुख पाहुणे म्हणून डॉ. किशोर हुरडे, आयक्यूएसी समन्वयक डॉ. प्रशांत बागेश्वर, नाशित खान, अर्फा इनामदार आदींची उपस्थिती होती. या ऑनलाइन अर्केडमिक टॉकसाठी विद्या प्रसारक मंडळचे अध्यक्ष वसंत घुईखेडकर, सचिव डॉ. संगीता घुईखेडकर यांनी विशेष सहकार्य केले. सदर ऑनलाइन

व्याख्यानामध्ये साठपेक्षा जास्त विद्यार्थ्यांनी आपला सहभाग नोंदविला. २८ फेब्रुवारीला नोबेल पारितोषिक विजेते सर सी. व्ही. रमण यांच्या संशोधन कार्याचा गौरव करणे, हा हेतू समोर ठेवून बीएससी व एमएससीच्या विद्यार्थ्यांसाठी भौतिकशास्त्र विभाग व आयक्यूएसी यांच्यावतीने सदर ऑनलाइन व्याख्यान आयोजित केले होते. सोबतच राष्ट्रीय विज्ञान

दिनाची संधी साधत विद्यार्थ्यांसाठी निबंधस्पर्धेचे आयोजनसुद्धा करण्यात आले. भौतिकशास्त्रातील नोबेल पारितोषिक विजेते या विषयावर आपले निबंध विद्यार्थ्यांनी ऑनलाइन सादर करायचे असल्याची माहिती यावेळी आयोजकांच्या वतीने देण्यात आली. कार्यक्रमाचे संचालन धनश्री कोठेकर तर आभार डॉ. प्रशांत बागेश्वर यांनी मानले. यावेळी साक्षी राठोड या विद्यार्थिनीने आपला अभिप्राय नोंदविला. या ऑनलाइन व्याख्यानाला साठ पेक्षा जास्त विद्यार्थ्यांनी आपला सहभाग नोंदविला. या व्याख्यानाचा लाभ विद्यार्थ्यांसोबतच प्राध्यापक व पालकवर्गांनीही मोठ्या प्रमाणात घेतला.