INDIRA GANDHI (SR.) COLLEGE, CIDCO, NEW NANDED.

DEPARTMENT OF PHYSICS

<u>REPORT ON GUEST LECTURE</u> (2018 - 2019)

SUBMITTED BY

Mrs. Rathod B. A.

H.O.D., Department of Physics

SUBMITTED TO

Dr. G. N. Shinde

Principal

Report

Shri Sharda Bhavan Education Society's

Indira Gandhi Sr. College, Nanded. Department of Physics

Guest lecture on "Vector Atom Model and Molecular Spectra"

The department of Physics had organized a guest lecture on the topic "Vector Atom Model and Molecular Spectra" on 02/02/2019 at 12.00 noon in the ICT hall. The chief guest and speaker for the lecture was Dr. Kalyankar A. N., Assistant Professor, Bahirji Smarak Mahavidyalaya, Basmathnagar.

The guest used power point presentations to explain the given topic in an elaborative way. The students of all the three years of B.Sc. were present for the guest lecture.

The guest not only explained the topic in detail but also explained about the scope of the topic and also the marking scheme in the syllabus and the weightage of each topic as far as the university exams are concerned.

He explained rotational and vibrational spectra of molecules by different examples . Also Raman scattering and nuclear fission were discussed in brief.

The students gave very good response to the event. Even some students who were not having optional Physics attended the lecture. Total 45 students attended the lecture.





Felicitation of Dr. Kalyankar A.N. at the hands of H.O.D. Mrs. Rathod B. A. on 02/02/2019





Dr. A.N. Kalyankar addressing the students on 02/02/2019





Dr. A.N. Kalyankar addressing the students on 02/02/2019

(Dr. G. N. Shinde)

Principal

Indira Gandhi Sr. Colleg CIDCO, NEW NANDER Course

Mrs. Rathod B. A.

H.O.D.

Dept. of Physics

Shri Sharda Bhavan Education Society's INDIRA GANDHI (SR.) COLLEGE

CIDCO, NEW NANDED (Maharashtra) - 431603
Reg.No.:- N.G.C.2000/NMV/ (1/2000) M.S. 3 Dt.28 June 2000
(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)
NAAC Accredited "B" Grade with CGPA: 2.62 & ISO 9001:2008 Certified
Best College Award By S.R.T.M. University, Nanded

ASHOKRAO SHANKARRAOJI CHAVAN B.Sc., M.B.A PRESIDENT

D.P.SAVANT B.Sc.,(Hons) SECRETARY

DR. G.N. SHINDE M.Sc., M.Phil.,Ph.D. PRINCIPAL

Ref No. : - IGC/2018-19/4/0

Date: 01 02 2019

To,

Dr. Kalyankar A.N.

Bahirji Smarak Mahavidyalaya., Basmath.

Subject: Regarding inviting you for guest lecture organized on 02/02/2019 by the Department of Physics.

Resp. Sir,

With reference to above subject, I hereby invite you to provide guidance to the students of Department of Physics as a guest lecturer. The guest lecture is organized on 02/02/2019 at 12:00 noon.

> Indira Gandhi (Sr.) College CIDCO, New Nanded



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B.Sc., M.B.A PRESIDENT D.P.SAVANT B.Sc.,(Hons) SECRETARY DI. G.N. SHINDE M.Sc., M.Phil.,Ph.D. PRINCIPAL

Ref No.: - IGC/2018-19/

Date: 02-02-19

To, Dr. Kalyankar A.N. Bahirji Smarak Mahavidyalaya., Basmath.

Subject: Regarding paying vote of thanks for guiding our students as a guest lecturer.

Resp Sir,

With reference to above subject, I hereby pay you vote of thanks for providing guidance to the students of Department of Physics as a guest lecturer on the topic "Vector Atom Model & Molecular Spectra" on 02/02/2019 at 12:00 noon.

Principal

PRINCIPAL Indira Gandhi (Sr.) College CIDCO, New Nanded

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INDIRA GANDHI (SR.) COLLEGE, CIDCO, NEW NANDED.

DEPARTMENT OF PHYSICS

REPORT ON ONE DAY NATIONAL WEBINAR (2020 - 2021)

SUBMITTED BY

Mrs. Rathod B. A.

H.O.D., Department of Physics

SUBMITTED TO Dr. R. P. Mali Principal



Report on One Day National Webinar

'Shri Sharda Bhavan Education Society's', Indira Gandhi Sr. College, Nanded, Department of Physics had organized 'One Day National Webinar' on the topic 'Gamma Ray Interaction Studies with Matter' on 12th June 2021. The chief guest as well speaker for this seminar was Dr. Pravina S. Ugile (Pawar), Associate Professor, Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. The President as well as Inaugurator for the said seminar was Dr. R.P. Mali Sir, Principal, Indira Gandhi Sr. College, Nanded.

The Webinar started with the welcome of the guest as well as felicitation of the dignitaries. The motive behind selecting such a topic was to create awareness among the participants about the radiation hazards and the adverse effects of exposure of our body to radiations.

The principal in his presidential note stated that during the Covid -19 pandemic, we have frequently heard about some tests like CT-scan, HRCT, etc. which were performed frequently by people without the prescription of the doctor. Such tests should not be performed at random as the radiations to which our body is exposed are hazardous.

The guest started her presentation with the basics of 'Nuclear Physics' and very well explained the nuclear radiation and health effects. She also showed in her presentation, the set up used for research of the effects of radiation on matter, specifically the gamma radiations. Nuclear radiation and Health Physics was covered elaborately.

The seminar was given a very good response. About 84 participants from all over the country including faculty as well as students joined registered for the seminar. The national seminar received international touch due to two foreign participants who joined from Beirut Arab University, Lebanon.

The 'Vote of Thanks' was given by Miss Ashwini Gubre .



Indira Gandhi Sr. College, CIDCO , Nanded.

Department of Physics organized one day National Webinar on the topic

"Gamma Ray Interaction Studies with matter"



On 12th June 2021 at 04.00 p.m.

e 2021 at 04.00 p.m.

DR. R.P MALI, PRINCIPAL, INDIRA GANDHI SR. COLLEGE, NANDED – 431603 M.S. INDIA



Chief guest:

DR. PRAVINA S. UGILE (PAWAR), ASSOCIATE PROFESSOR, DEPARTMENT OF PHYSICS DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD.

- No Registration fees.
- > E certificate will be issued to the participants.



Join Zoom Meeting:

https://us04web.zoom.us/j/3723769113?pwd=N09JZHUzU2hOenRxRXhjZGIEQ3JrUT09

Mrs. Rathod B.A.
Organizing Secretary & H.O.D.

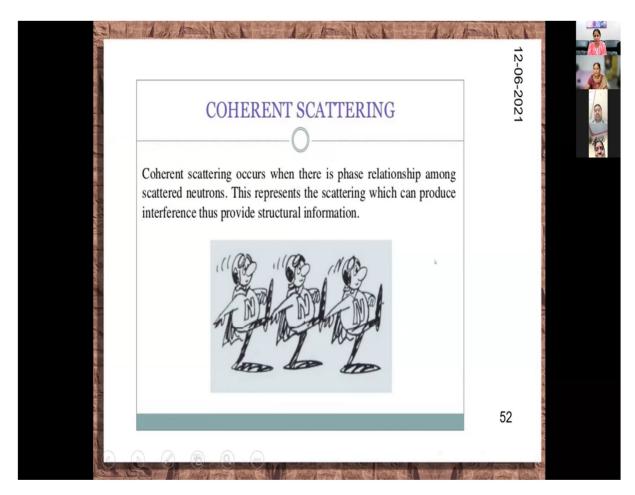
Dr. R.P. Mali
Convener and Principal

Outline of Presentation:

- 1. Radiation
- 2. Life and Radiation
- 3. Nature and Origin of Radiation
- 4. Types of Radiation
- 5. Radiation Units
- 6. Standards
- 7. Ionizing Radiation Health Effects
- 8. Categories of Exposure
- 9. Reducing Exposure
- 10. Radiation Protection
- 11. Interaction of Ionizing Radiation with Matter
- 12. Experimental Setup and Measurements
- 13. Software's for Shielding Effectiveness
- 14. Nuclear size and its determination.







Dr. Pravina Pawar madam addressing the participants on 12/06/2021





Dr. Pravina Pawar madam addressing the participants on 12/06/2021

Principal PRINCIPAL Indira Gandhi (Sr.) College CIDCO, New Nanded

Dr. R. P. Mali Convener & Principal Course

Mrs. Rathod B.A. Organizing Secretary & H.O.D.

