

Dr BHABHA VIDNYAN LOKSHIKSHAN SANTHA'S



K. Z. S. SCIENCE COLLEGE
DEPARTMENT OF PHYSICS



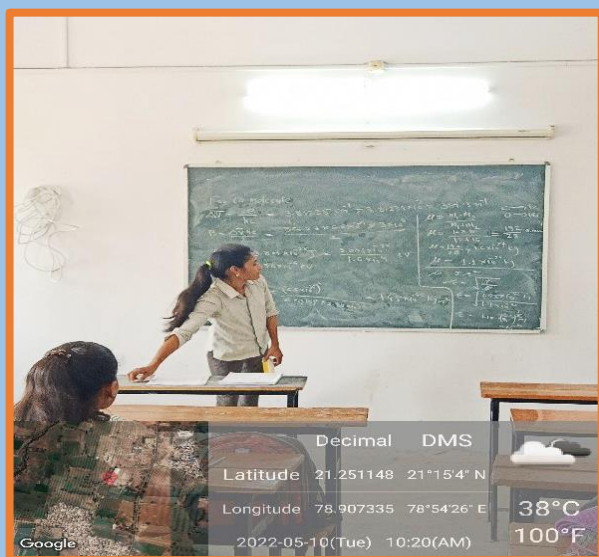
ACTIVITIES
2021-2022

1. CLASSROOM PRESENTATIONS - 10th May 2022

Report on the activity - “CLASSROOM PRESENTATIONS” conducted by the department of physics in the year 2021-2022.

Since 2003, the department of physics implementing the project - “Classroom Presentations” of the students on their syllabus topics. This year also we implemented the same on 10th May 2022. The motive of this activity was to develop the skill of presentation amongst the students with the depth of knowledge, so as to make them able with hand in presentation while their higher education or job in future. Student have to study the current scientific developments and present it, collaborate it with the topic delivered to him/her by the teacher for the presentation. Following 7 students of semester IV were the participants to deliver their presentation on molecular spectroscopy using conventional chalk-duster method. We wish all the success to these students in future. The activity was conducted under the guidance of Dr. Upendra Mahatme.

1. Akshay Punewar, 2. Vaishnavi Satnurkar, 3. Achal Patil, 4. Pranjali Warhade, 5. Trupti Gayakwad, 6. Shejal Badade and 7. Minal Banarase

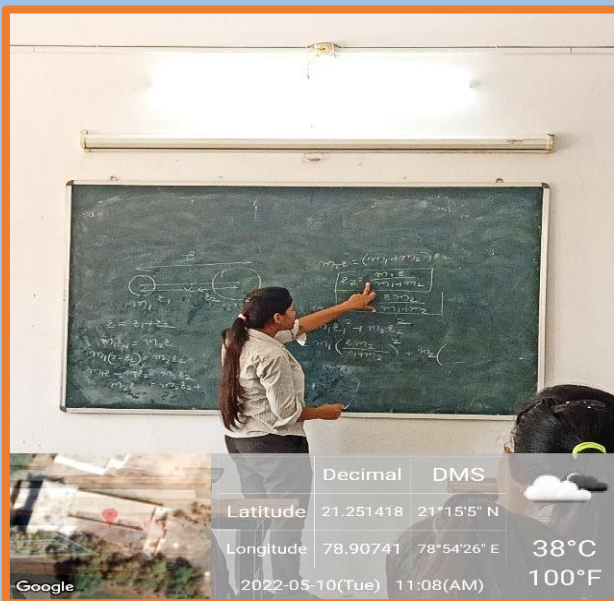




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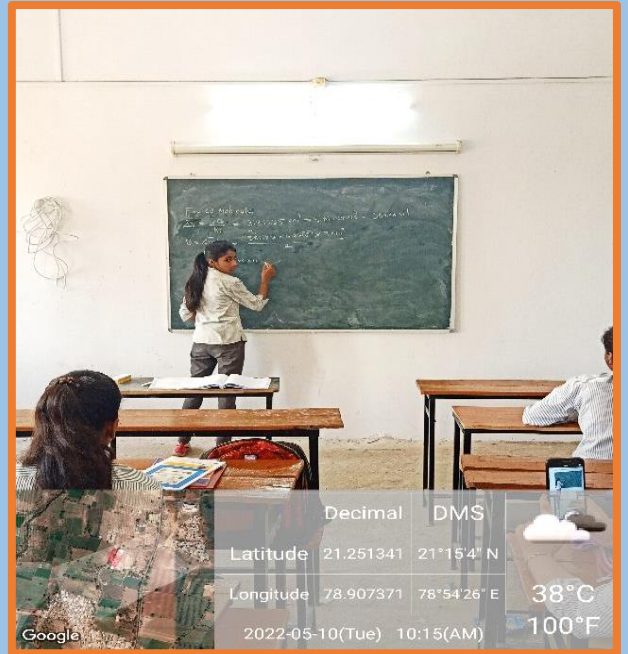
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2. NATIONAL SCIENCE DAY CELEBRATION - 28 FEB 2022

Report on the National Science Day Celebration organized by the department of physics in the year 2021-2022.

Celebration of National Science Day at our college was organized by the department of physics with IQAC collaboration, on 28th Feb 2022. The program was presided over by Shri P. R. Shrikhande (Chairman, College committee) in the presence of guest of honour, Shri. N. K. Shrikhande (President, B.V.L.S.) and Shri. P. B. Dangore (Secretary, B.V.L.S.). Shri. P. R. Shrikhande explained the importance of the day. On this occasion, elocutions of the college students were organized on the subject *"The Role of the Subject ----- in the Development of Present Era"*. Two students from each class were the participants to delivered the speech. Total 12 students delivered their special views to discuss the role of their subject in the development of present era. The entire function was announced by Dr Aparna Rangari (Assit. Professor, Physics Dept). The Introductory speech was delivered by Dr Sharad Gedam (Assit. Professor, Physics Dept.) and vote of thanks was delivered by Dr Upendra Mahatme (Head and Asst. Professor, Physics Department).





Dr. Bhabha Vidnyan Lokshikshan Santha's

K. Z. S. SCIENCE COLLEGE

Bramhani-Kalmeshwar, Dist. Nagpur



Sir C. V. Raman

NATIONAL SCIENCE DAY CELEBRATION

Organized by

Department of Physics and IQAC

28th February, 2022

President



Shri. Prabhakaraoji Shrikhande

Guests of Honour



Shri. Nirmalkumarji Shrikhande



Shri. Purushottamji Dangore

SCHEDULE

Program Comparer: Dr. Aparna Rangari

10.30 am: Welcome

10.35 am: Introductory Speech

Dr. Sharad Gedam

10.40 am: Chief Guest's Address

Shri. Nirmalkumarji Shrikhande

Shri. Purushottamji Dangore

11.00 am: Principal's Address

Dr. Anand Tikhe

11.10 am: Presidential Address

Shri. Prabhakaraoji Shrikhande

11.20 am: Student's Elocution

12.00 pm: Teacher's Guidance

12.20 pm: Vote of Thanks

Dr. Upendra Mahatme

ORGANIZING COMMITTEE

Dr. U. B. Mahatme
Head, Dpt. of Physics

Dr. A. P. Ganorkar
IQAC Co-ordinator

Dr. M. P. Thakare
Dpt. of Zoology



Dr. BHABHA VIDNYAN LOKSHIKSHAN SANTHA'S

K. Z. S. SCIENCE COLLEGE

Kalmeshwar-Bramhani



DEPARTMENT OF PHYSICS

NATIONAL SCIENCE DAY

28 Feb. 2022

ELLOCUTION

"The Role of my Subject in the Development of Present Era"

This is to certify that Mr/Miss _____
the student of K. Z. S. Science College, Bramhani-Kalmeshwar has participated in the elocution,
titled as "The Role of Subject _____ in the Development of Present Era" in the
National Science Day celebration on 28th February 2022. She/He delivered an excellent
speech. We wish her/him all success in future.

Dr. Upendra Mahatme
Asst. Prof - Physics
K. Z. S. Sci. College

Dr. Anand Tikhe
Principal
K. Z. S. Sci. College



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OPPO F11 Pro © Upendra Mahatma

3. **PARTICIPATION in UNIVERSITY LEVEL SCIENCE EXHIBITION**

28 Feb 2022

Working Model – Eco-friendly Products using Cow Dung

Report on the participation in *university level science exhibition – working model – Eco-friendly Products using Cow Dung*, in the year 2021-2022.


Our two college students, Miss Mamta Gotmare and Mr Vishal Giri (B. Sc. III, Sem - VI) were participated in the university level working model's science exhibition organized by the Kamla Nehru College, Nagpur on the occasion of National Science Day, 28 Feb 2022. The theme of our student's products was the "*Use of the Waste Materials in the Rural India for the Eco- Friendly Products*". The working model presented by our students was the display of their working products such as building bricks, fire blocks and dhoop sticks prepared using the cow dung. The material used, that is cow dung, dry plant leaf, waste crop material and charcoal, all it is abundant as the waste material in the rural India. In case of building bricks, the material used can be calcinated in the sunlight, recycle without pollution, forms anti-carcinogenic atmosphere, absorption of hazardous radiations and balances the suitable temperature inside house for human body. Also, in case of fire blocks and dhoop sticks, the material used can be calcinated in the sunlight, recycle without pollution, gives non – hazardous and non-cariogenic smoke, lowest pollution level with pleasant fragrance. These eco-friendly products of our both student participants were appreciated by the exhibition judges, advised them to do the small-scale busyness on it and certified them.

 **Kamla Nehru Mahavidyalaya**
Nagpur

 **National Science Day**
28th February 2022

University Level Science Exhibition
Working Model

by

 **Dr. BHABHA VIDNYAN LOKSHIKSHAN SANTHA'S**
K. Z. S. SCIENCE COLLEGE 

on

"Use of Waste Material in Rural India for the Eco-Friendly Products"
Miss Mamta Gotmare
Mr. Vishal Giri





Kamla Nehru Mahavidyalaya
Nagpur



National Science Day

28th February 2022

University Level Science Exhibition
Working Model

by



Dr. BHABHA VIDYAN LOKSHIKSHAN SANTHA'S

K. Z. S. SCIENCE COLLEGE



on

"Use of Waste Material in Rural India for the Eco-Friendly Products"

Miss Mamta Gotmare
Mr. Vishal Giri

"Use of Waste Material in Rural India for the Eco-Friendly Products"

Eco-friendly products using Cow Dung



1. Building Bricks



Use/Application: For building the walls of Eco-friendly single storage house in the rural India.

Estimate: Below 0.5 Rs per brick.

Medium: Cow Dung, 60 % wastage in forest and rural region in India accept 40% used for organic fertilizer.

Raw Material: Cow dung, Clay, dry plant leaf and fragile waste of crop and fine sand dust, easily available in large quantity in rural India.

Eco-friendship: Drying/Calcination in the sunlight, Recyclable without pollution, forms anti- carcinogenic atmosphere, absorption of hazardous radiations, balances the suitable temperature inside house for human body.

2. Fire Blocks



Use/Application: Source as a fuel for cooking fire and water heating in rural India and Dhabas.

Estimate: Below 0.5 Rs per brick.

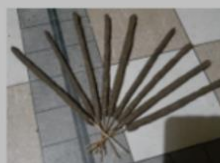
Medium: Cow Dung, 60 % wastage in forest and rural region in India accept 40% used for organic fertilizer.

Raw Material: Cow Dung, dry plant leaf and fragile waste of crop, Charcoal, easily available in large quantity in rural India.

Eco-friendship: Drying/Calcination in the sunlight, non - hazardous smoke, non-cariogenic smoke, lowest pollution level.

3. Dhoop Products:

ESCENSE STIC and ESCENSE CYLINDER



Use/Application: In daily life for the pleasant atmosphere.

Estimate: Dhoop, Stick -Below 5 Rs for 12 pieces. Dhoop, Cylinder - Below 10 Rs for 12 pieces

Medium: Cow Dung, 60 % wastage in forest and rural region in India accept 40% used for organic fertilizer.

Raw Material: Cow Dung, dry plant leaf dust and fragile waste of crop dust, Charcoal, easily available in large quantity in rural India, (dry Nim leaf for mosquito repellent)

For Fragrance: Resin (Baal in marathi), allure (Lubhan in hindi), Camphor

Eco-friendship: Drying/Calcination in the sunlight, non - hazardous smoke, non-cariogenic smoke, lowest pollution level with pleasant fragrance.

Hint: No to be use of Bamboo sticks as it give cariogenic smoke after burn/fire.

4. MUSICAL MOTIVATION - 23 March 2022

Report on the Musical Motivation organized by the department of physics in the year 2021-2022.

The Inspirational and motivational musical show was organized by the department of physics in collaboration with IQAC on 23rd March 2022 for the students after the pandemic COVID – 19 in which Mr. Kailash Tankar, world record holder in singing (Ex. Dy. Superintendent of Police, Nagpur) and his team sung the inspirational songs. For this program, RTM Nagpur University Dy. Registrar Dr Anil Hirekhan and Controller of Examination and Evaluation Dr Praful Sable were the chief guests. Shri. N. K. Shrikhande (President -BVLS) presides over the function in the presence of guest of honour, Shri P. R. Shrikhande (Chairman, College committee), Shri. P. B. Dangore (Secretary of BVLS), Shri. Manikrao Taywade (Vice-President of BVLS) and Shri. F. M. Maradwar (Member, BVLS). In his introductory speech, Dr Upendra Mahatme (Head and Asst. Professor, Physics Department) introduce the motive of the program. Also, he introduces the guests, work of BVLS and special features of the college. The motive of this program was to overcome the students from shadow of indifference that spread out during CORONA pandemic and to start their work with new hope. Dr Praful Sable, the chief guest of the program guides the students regarding the university examination and try to root the moral values in the studentship. Another chief guest, Dr Anil Hirekhan also guides the students regarding the positive attitude in the studentship. Indeed, during this program Mr. Kailash Tankar and his team spread out the atmosphere of new consciousness amongst the students by the way of their charming singing. Overall program was enjoyed by the students. The entire function was announced by Dr Aparna Rangari (Assit. Professor, Physics Dept) and the vote of thanks was delivered by Dr Sharadkumar Gedam (Assit. Professor, Physics Dept).



Dr. BHABHA VIDNYAN LOKSHIKSHAN SANTHA'S
K. Z. S. SCIENCE COLLEGE
 BRAMHANI - KALAMESHWAR (RTMNU, Nagpur)



DEPARTMENT OF PHYSICS & IQAC

MUSICAL MOTIVATIONAL SHOW
 23rd March 2022
 by
Mr. KAILASH TANKAR
 Police Officer (Rtd)
 (WORLD RECORD HOLDER)





Mr. Kailash Tankar
 Police Officer (Rtd)
 SHOW DIRECTOR



Dr. Anil Hireldhan
 Registrar - RTMNU
 CHIEF GUEST



Mr. N. K. Shrikhande
 President - BVLS
 Chairman of Function



Mr. P. R. Shrikhande
 Chairman - C.D.C.
 Guest of Honor

PROGRAM SCHEDULE

 <p>Dr. Praful Sabale Director- Exam. Section, RTMNU CHIEF GUEST</p>	<p>Anchoring: Dr. Aparna H. Rangari</p> <p>10.30 am Enlighten the Lamp 10.40 am Welcome Ceremony 10.50 am Introduction 11.00 am Felicitation of the Guests 11.10 am Guest's Address</p> <p>11.20 am Musical Motivation by Mr Kailash Tankar</p> <p>01.00 pm Presidential Address 01.10 pm Vote of Thanks 01.20 pm Vande Mataram</p>	 <p>Mr. F. B. Maradwar Member - C.D.C. Guest of Honor</p>
 <p>Mr. P. B. Dangore Secretary - BVLS Guest of Honor</p>		 <p>Mr. M. M. Taywade Vice-President - BVLS Guest of Honor</p>

Organizing Committee

DEPARTMENT OF PHYSICS
 & IQAC

K Z S Science College, Bramnhi - Kalmeshwar



