

Dr BHABHA VIDNYAN LOKSHIKSHAN SANTHA'S



K. Z. S. SCIENCE COLLEGE
DEPARTMENT OF PHYSICS



ACTIVITIES
2018-2019

1. **CLASSROOM PRESENTATIONS - 16th Jan 2019**

Report on the “CLASSROOM PRESENTATIONS” organized by the department of physics in the year 2018-2019.

Since 2003, the department of physics implementing on the project - “*Classroom Presentations*” of the students on their syllabus topics. This year also we conducted the same on 16th Jan 2019. The motive of this project was to develop the skill of presentation amongst the students with depth of knowledge, so as to make them able with hand in presentation while their higher education or job in future. Seven students of fifth semester were participated. We wish all the success to the participants in future. The project was conducted under the guidance of Dr. Upendra Mahatme.



2. **GUEST LECTUR** - Student's Career 3 Sept 2018

Report on the "GUEST LECTURE" on student's career organized by the department of physics in the year 2018-2019.

There are many more job opportunities as an assistant scientist for the B. Sc. Students in the field of research laboratories of India Government or NGOs. Student have to prepare for very simple scrutiny examinations based on the syllabi of B. Sc. physics-chemistry. With this motive the guest lecture of Mr. Shekhar Raghuvanshi – Asstt Scientist, VIAC, Indian Atomic Energy Centre, Kolkata was organized by physics department on the Topic: "Opportunities for B. Sc. Students in Department of Indian Atomic Energy" on 03/09/2018. 120 students of semester I and V were participated. The guest speaker was the alumni of our college. He suggested more than 20 such type of examination yearly conducted by the Government of India. The lecture was very beneficial regarding the career building of the students.



**Guest Lecture - Mr Shekhar Raghuvanshi –Asst
Scientist, VIAC, Indian Atomic Energy Centre- 3-9-2018**



3. GUEST LECTUR - ETHICAL VALUES- 18 Sept 2018

Report on the "GUEST LECTURE" on ethical values- "Yuva Margadarshan" organized by the department of physics in the year 2018-2019.

The guest lecture of invited speaker, honourable **Shri. Ravidada Manav**, Director, Gurudeo Adhyatma Gurukul, Gurukunj Mojari was organized by the department of physics on 18/09/2018 on the topic "**Yuva Margadarshan**". The program was presided over by the principal of college, Dr Anand Tikhe in the presence of chief guest, National Social and Spiritual Orator, Mr. Sachinbhou Kale, Kalmeshwar. With efficient and flowing voice, Shri. Ravidada Manav guided more than 150 students regarding the student's responsibilities toward his nation, society and family. Motive behind this guest lecture was to inculcate and to root the ethical values among the students. All the efforts for the success of the function were taken by faculties from physics department, Dr Upendra Mahatme and Dr Sharadkumar Gedam.



Yuva Margadarshan – 18/09/2018



YUVA Margadarshan

4. **SYMPOSIUM - LOKSHAHI PADDHAT ani SUSHASAN - 4th Feb 2019**

Report on the symposium on the topic “LOKSHAHI PADDHAT ani SUSHASAN” organized by the department of physics in the year 2018-2019.

In the year of 2019 the Government of India conducts the campaign “**Lokshahi Pandharwada**”. As a part of this campaign, the department of physics in collaboration with Tahasil office, Kalmeshwar was organized the symposium on the topic “**Lokshahi Paddhat ani Sushasan**” on 4th February 2019. Government of Maharashtra starts to conduct the Lokshahi Pandharwada from 2019. The aim was to create the awareness and sensitivity regarding the Democracy among the students. In same respect the department of Physics conducts this symposium under the Government’s banner LOKSHAHI PANDHARWADA 2019. Along with teaching staff, more than 250 students were participated in this symposium as the audience. On this occasion, very optimistic debate/discussion was taken place between the students of the college and the teachers, Dr Upendra Mahatme, Dr Sharad Gedam on the topic of the symposium. The long question-answer session was held for one and half hour. The participated students in the symposium were felicitated by certificates.



LOKSHAHI PANDHARWADA - 2019

"Lokshahi Pddhat ani Sushasan"

4 Feb. 2019



डॉ. भाभा विज्ञान डॉक्टरेसन संस्था कळमेरवर
के. जे. एस. विज्ञान महाविद्यालय
बाण
तहसिल कार्यालय
बाम्बणी-कळमेरवर
यांचे संयुक्त विद्यमाने



'लोकशाही पंधरवाडा- 2019'

प्रमाणपत्र

प्रमाणित करण्यात येते की **कुमारी भारती भोंगाडे** हीने शासनाद्वारे आयोजित '**लोकशाही पंधरवाडा- 2019**' कार्यक्रमा अंतर्गत '**लोकशाहीपध्दत बाण सुशासन**' या विषयावरील परिसंवादानध्ये भाग घेवून उत्कृष्ट प्रतिसाद दिला. आम्ही तिला भविष्यामध्ये सुयश चिंतीतो.

तहसिलदार/नायब तहसिलदार
कळमेरवर

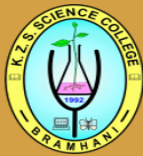
डॉ. आनंद तिळे
प्राचार्य

डॉ. उपेन्द्र महात्ते
समन्वयक

5. NATIONAL SCIENCE DAY - 28TH Feb 2019

Report on the "NATIONAL SCIENCE DAY" organized by the department of physics in the year 2018-2019.

In India, the day on 28 Feb. celebrates yearly as National Science Day in the memory of famous Raman Effect which was discovered by Nobel Prize winner, an Indian scientist Sir C. V. Raman. In the same respect the department of Physics of our college has organized the National Science Day on 28th Feb 2019. In this regard the elocution competition and debate competition on the topic "*THE SCIENCE AND TECHNOLOGY: Constructive /Destructive for Society*" were conducted amongst the college students. The entire program, chief guest and all the guests of honour were introduced by Dr Sharadkumar Gedam, Asst Prof., department of physics. The chief guest of the function Dr. Jairam Khobragade, Director, Institute of Forensic Science, Nagpur, suggest the students that they should believe in hard work and not to argued the situation but command it. He also mentioned that many more students from the scheduled background in the rural India are proved themselves in the administrative services and business. The chairman of the function Mr. Prabhakarji shrikhnde, chairman of college committee, guests of honour Mr. Nirmalji Shrikhande, president of B.V.L.S. and Mr. B. R. Sonule, secretary, B.V.L.S., all of them also guided the students in all respect. Mr. Manikrao Taywade, vice president, BVLS, Mr. Ramakant Parashar, Dr Virendra Shende, Asso. Prof, Institute of Science, Nagpur and Mrs Shilatai Parashar all were in the special guest appearance. The students were also guided by Dr. Anand Tikhe, the principal of college. Many students put forward their views on fruitful societal use of science and technology through the elocution/debate competition. The day was successfully celebrated by the department of Physics. The announcing by the college student, Miss Sanskruti Game, makes the function impressive. Finally, the vote of thanks was delivered by Head of the department, Dr. Upendra Mahatme. All the teaching and non-teaching staff were taking the efforts for the success of this function.



Dr. BHABHA VIDNYAN LOKSHIKSHAN SANTHA'S
K. Z. S. SCIENCE COLLEGE
Bramhni - Kalmeshwar



DEPARTMENT OF PHYSICS

NATIONAL SCIENCE DAY
28TH Feb. 2019

**"It is better to use the material for the betterment
of mankind and love them
but man loved the matter and used the mankind "**

Chief Guest: **Dr. Jairam Khobragade**
Director
Institute of Science, Nagpur



Dr. BHABHA VIDNYAN LOKSHIKSHAN SANTHA'S
K. Z. S. SCIENCE COLLEGE
Kalmeshwar-Bramhni





DEPARTMENT OF PHYSICS

NATIONAL SCIENCE DAY

28 Feb. 2019

*This is to certify that Mr/Miss _____ the student
of K. Z. S. Science College, Bramhni-Kalmeshwar has participated in the debate competition on
the occasion of "National Science Day" and he/she stood first/second/third. We wish him all
success in future.*


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


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



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




DEPARTMENT OF PHYSICS

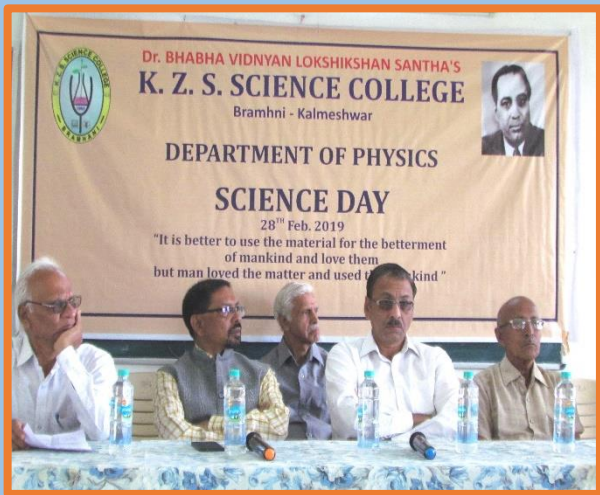
NATIONAL SCIENCE DAY

28 Feb. 2019

*This is to certify that Mr/Miss _____ the student
of K. Z. S. Science College, Bramhni-Kalmeshwar has participated in the elocution event on the
occasion of National Science Day. We wish him all success in future.*


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


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





Guest Lecture

Celebration

Debate Competition

National Science Day -28th Feb 2019 – Guest -Dr Jairam Khobragade



National Science Day – 28 Feb. 2019



Winners of the debate competition

Elocution competition

6. PARTICIPATION in VUPTA SEMINAR - 10th March 2019

REPORT on PARTICIPATION in VUPTA SEMINAR

Vidarbha Level Inter-Collegiate Student's Seminar

Report on the "PARTICIPATION in VUPTA SEMINAR" by the department of physics in the year 2018-2019.

With immense pleasure I am reporting that seven students of our college were participated actively with their presentation in the *Vidarbha Level Inter-Collegiate Student's Seminar* organized by VUPTA on 10th March 2019 at S.F.S. college, Nagpur. The students, Miss Rohini Waghmare and Miss Bharati Bhongade delivered the oral presentation on the topics "SOLAR CELL" and "APPLICATIONS OF X RAYS IN VARIOUS FIELDS" respectively. Remaining four students delivered the presentations by posters. Two college students, Miss. Nayana Wankhed and Miss. Pooja Panurkar were stood as winner at third place in the poster competition on the topic "Recent Developments in Physics".





ST. FRANCIS DE SALES COLLEGE, NAGPUR
 &
VIDARBHA UNIVERSITY PHYSICS TEACHERS ASSOCIATION
 (VUPTA)




STUDENTS' SEMINAR - 2019
CERTIFICATE

This is to certify that


Dr./Prof./Mr./Ms./Mrs. NAYANA WANKHEDE (B.Sc. II) of
K.Z.S. SCIENCE COLLEGE has participated in the Vidarbha level
 'Students' Seminar-2019', jointly organized by the Department of Physics,
 St. Francis De Sales College, Nagpur and Vidarbha University Physics Teachers
 Association on 10th March, 2019.

He/She was awarded III prize in Seminar/Poster Competition.


 H. S. Ahamad
 Convener
 S.F.S. College, Nagpur


 Dr. J. N. Ramteke
 Secretary
 VUPTA


 Dr. K. G. Rewatkar
 President
 VUPTA


 Dr. K. T. Thomas
 Principal
 S.F.S. College, Nagpur



ST. FRANCIS DE SALES COLLEGE, NAGPUR
 &
VIDARBHA UNIVERSITY PHYSICS TEACHERS ASSOCIATION
 (VUPTA)





STUDENTS' SEMINAR - 2019
CERTIFICATE


This is to certify that


Dr./Prof./Mr./Ms./Mrs. Pooja V. Panwalkar of
K.Z.S. Science College, Kalmeshwar has participated in the Vidarbha level
 'Students' Seminar-2019', jointly organized by the Department of Physics,
 St. Francis De Sales College, Nagpur and Vidarbha University Physics Teachers
 Association on 10th March, 2019.

He/She was awarded 3rd prize in Seminar/Poster Competition.


 H. S. Ahamad
 Convener
 S.F.S. College, Nagpur





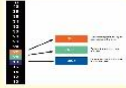





 Dr. J. N. Ramteke
 Secretary
 VUPTA


 Dr. K. G. Rewatkar
 President
 VUPTA


 Dr. K. T. Thomas
 Principal
 S.F.S. College, Nagpur

Recent Development In Physics

Physics contributes to the various technological infrastructures -

Recent developments in the field of physics	Applications	
1) Microwave irradiation	→ • Plasma Technology	
2) Superconductivity	→ • Broader range of commercial fields	
3) Superparamagnetism	→ • Biomedical applications • Detection - MRI • Separation - cell, DNA separation • Sensors - high sensitivity (GMR BAR clll)	
4) Supercapacitor	→ • Missile technology	
5) Liquid Crystal	→ • Liquid crystal Thermometer • Optical Imaging • LCD (to creative visual effects on screen)	
6) Ferroelectric material	→ • Precision Multiferric II ferroelectric test system	
7) Ferrites	→ • Humadity Sensors • Gas Sensors	
8) Atomic Fingerprinting	→ • In smartphones	
9) In Astrophysics	→ • Intense magnetic field found near supermassive black hole	

By: 1. Nayana Sandip Wankhede

2. Pooja Vijay Panurkar

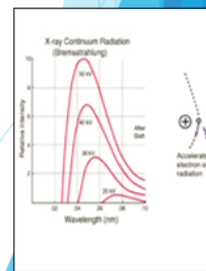
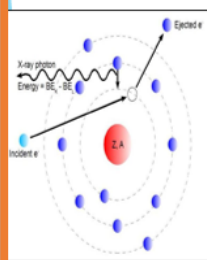
(B. Sc. II yr) Students of

K. Z. S. Science College, Kalmeshwar

PRESENTATION
ON
"X - RAY APPLICATION
IN VARIOUS FIELDS"

Presented
by:

Miss Bharti Bhongade
K. Z. S. Science College
Bramhni - kalmeshwar



SOLAR CELL



Miss **ROHINI WAGHMARE**
B.Sc. SEM IV ,
K. Z. S. SCIENCE COLLEGE ,
BRAMHANI-KALMESHWAR





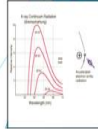
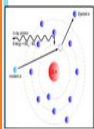
Student's Seminar by VUPTA at
S. F. S. College, Nagpur - 10-3-2019

VIDARBHA LEVEL STUDENT'S SEMINAR

Organized by
VUPTA and S. F. S. College
Nagpur
10 March 2019

**"X - RAY APPLICATION
IN VARIOUS FIELDS"**

Miss Bharti Bhongade
K. Z. S. Science College
Bramhani - Kalmeshwar



ORAL PRESENTATION

VIDARBHA LEVEL STUDENT'S SEMINAR

Organized by
VUPTA and S. F. S. College
Nagpur
10 March 2019

SOLAR CELL

Miss ROHINI WAGHMARE
B.Sc. SEM-IV,
K. Z. S. SCIENCE COLLEGE,
BRAMHANI-KALMESHWAR



ORAL PRESENTATION

Recent Development In Physics

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POSTER PRESENTATION

PARTICIPATION IN STUDENT'S SEMINAR BY VUPTA 10/03/2019

