

## **Short Report of the Activity**

### **Title: Careers in Physics and its Interdisciplinary Applications**

On 6<sup>th</sup> February, 2024, the student centric Program was conducted for Under-graduate students by the department of physics, Bhogawati Mahavidyalaya, Kurukali. The aim of the activity was to make the student familiar to Physics and its Interdisciplinary Applications and to explore the knowledge of various field in the physics. The Workshop is inaugurated by principle of our college Dr. D. A. Chougale sir. The two speakers were invited, Dr. P. B. Patil, Assistant Professor, Department of Physics, The New College, Kolhapur and Prof. P. B. Dhere, Assistant Professor, Department of Physics, Anandibai Raorane Arts, Commerce and Science, College, Vaibhavwadi. Both the speakers delivered very useful and informative lectures on the Topic assigned to them.

In first session, Dr. P. B. Patil spoke on the Topic “Research opportunities in Physics”. The chairperson of first session is Dr. Praveen Jadhav, Assistant Professor, Department of Physics, Devchand College, Arjunnagar. In his lecture, he discuss the physics research fields like the use of different materials in batteries, supercapacitors, gas sensors etc. He also discuss the use of magnetic materials in cancer treatment, heavy metal removal, information storage and processing, spintronics, drug delivery, cooling technology etc. The also discuss the research opportunities in physics in india in different laboratories like BARC, DAE, TIFR, DRDO etc. and in abroad countries like South Korea, Taiwan, Japan etc.

In the second session, Prof. P. B. Dhere delivered a lecture on topic “Career opportunities in physics: A multidimensional approach”. The chairperson of this session is Miss. Shradha S. Kasote, D. R. Mane College, Kagal. He gave detailed lecture on opportunities of physics in different competitive examinations like UPSC, MPSC etc. He also discusses the job

opportunities of physicist in the top government organizations like ISRO with the world's best scientists and researchers. He also discuss the related courses and details like Admission Process, Eligibility Criteria, etc. He gave details in government jobs for B.Sc. physics students in different institutes like Indian Space Research Organization (ISRO), Space Physics Laboratories, The Vikram Sarabhai Space Centre (VSSC), Space Applications Centres, Association of Bangalore Amateur Astronomers (ABBA) etc.

In valedictory, students gave the feedback notes on the topics by speaker. Certificates to the participants were awarded by the guest Dr. P. B. Patil and Prof. P. B. Dhere. Finally, Dr. Mrs. V. P. Malekar proposed vote of thanks.

Dr. V. P. Kothavale  
Programme Co-Ordinator

Dr. U. H. Patil  
Lead college Co-ordinator

Dr. D. A. Chougale  
Principal

# Expenditure of the Program

1. Name of the College: **Bhogawati Mahavidyalaya Kurukali.**
2. Proposed Programme: **Careers in Physics and its Interdisciplinary Applications**
3. Objectives of the Programme: **Interdisciplinary Applications of physics**  
**Different research fields in physics**  
**Research opportunities in physics**  
**Research opportunities in astrophysics**  
**Government Job opportunities in physics**
4. Duration: 1 day
5. Day and Date: 06/02/2024
6. No. of Participants: 97
7. No. of Resource Persons: 02
8. Technical Sessions: 02
9. Total Amount Expended for organizing programme:

| Sr. No.           | Particulars                                                | Amount In Rs. |
|-------------------|------------------------------------------------------------|---------------|
| 1                 | Honorarium/Remuneration                                    | 2500.00       |
| 2                 | Refreshment/ lunch                                         | 6790.00       |
| 3                 | Stationary (Folder, Pen Pad etc.) and Certificate Printing | 1210.00       |
| 4                 | Banner Printing                                            | 450.00        |
| 5                 | Rose Flowers and Bouquet for welcome                       | 450.00        |
| 6                 | Photographs                                                | 450.00        |
| Total Expenditure |                                                            | Rs. 11850.00  |

Dr. V. P. Kothavale  
Program Coordinator

Dr. U. H. Patil  
Coordinator

Dr. D. A. Chougale  
Principal



Inauguration function by Principal : Prof. Dr. D. A. Chougale, Bhogawati Mahavidyalaya, Kurukali and Chief guest Dr. P. B. Patil



**“Research opportunities in Physics”**  
Resource Person –Dr. P. B. Patil



“Career opportunities in physics: A multidimensional approach”  
Resource Person –Prof. Pradeep Dhere





Valedictory Function in the presence of Vice- Principal Dr. N. M. Patil, Invited Speakers Dr. P. B. Patil, Prof. Pradeep Dhere, Dr. Praveen Jadhav, Dr. V. P. Kothavale.