

GOVT. DEGREE COLLEGE KARGIL, LADAKH
NAAC ACCREDITED - B

SCIENCE BLOCK

DEPARTMENT OF PHYSICS

Year of Existence

2003

Faculties who serve this Department

- Neyaz Ali (Need Basis) 2011,2012
- Dr. Aijaz Ahmad (Assistant Professor) 2012-2014
- Mumtaz Ahmad (Lecturer) 2014-2016
- Nawaz Ali (Assistant Lecturer) 2014-2015
- Mujtaba Ahmad (Assistant Lecturer) 2015-2016
- Neyaz Ali (Assistant Professor) 2017- onwards
- Mumtaz Ahmad (Assistant Professor) 2016- onwards

What we teach?

- **Classical mechanics**
- **The special theory of relativity**
- **Electrodynamics**
- **Thermodynamics & Statistical Mechanics**
- **Optics (wave and ray optics)**
- **Modern Physics (atomic & molecular physics, solid state physics, nuclear and particle physics, electronics etc)**
- **Quantum Physics**

Interest of the Department

- To develop keen interest among the students in natural science.
- To develop real practical and theoretical scientific knowledge.
- To develop passion and scientific temper.
- To make self dependent by using scientific knowledge.
- Skilled the student to think and apply scientifically.

Mission

- Prepare student for higher studies and research in this field.
- Ladakh region has high potential in research field.
- High altitude, geophysics, high energy, radiation physics etc.

Faculty position in the department

| S. No. | Faculty | | No. of Faculty |
|---------------|-------------------------|----------------------|-----------------------|
| 01 | Teaching | | 02 |
| 02 | Non Teaching | Lab Assistant | 01 |
| | | Lab Bearer | 01 |

Faculty Profile

| S. No. | Name of Faculty | Qualification | Designation | Experience |
|--------|--------------------|------------------|---------------------|------------|
| 01 | Mr. Neyaz Ali | M.Sc. | Assistant Professor | 4 year |
| 02 | Mr. Mumtaz Ahmad | M.Sc. | Assistant Professor | 4 Year |
| 03 | Mr. Ghulam Mustafa | B.Sc. | Lab Assistant | 6 Year |
| 04 | Ms. Nargis Banoo | 12 th | Lab Bearer | 10 Year |

Mr. Neyaz Ali (HOD)



- Area of Specialization: Condensed Matter Physics, Radiation Physics & Dosimetry
- Teaching Experience: 4 years
- Publication: 2 research Paper
- Conference/workshop/seminar attended: 04

Mr. Mumtaz Ahmad



- Area of Specialization: Nuclear and Particle Physics.
- Teaching Experience: 4 years
- Conference/workshop/seminar attended/online course attended: 03
- Participated as a resource person in Science Awareness Mela-2016 of National Council for Science and Technology Department of Science and Technology, Govt. of India, organized by Jammu and Kashmir Students Welfare Society, Anantnag, Kashmir in association with Department of Bioscience Govt. Degree College Kargil, Ladakh

Subject combination with Physics

| | | |
|----------------|--------------------------|----------------------------|
| PHYSICS | CHEMISTRY | MATHEMATICS |
| | GEOLOGY | MATHEMATICS |
| | GEOGRAPHY | MATHEMATICS |
| | GEOLOGY/CHEMISTRY | GEOGRAPHY/CHEMISTRY |

ROLL OF STUDENTS YEAR WISE

| YEAR | 1ST&2nd Sem. | 3rd & 4th Sem. | 5th&6th Sem./3RD Year | TOTAL |
|-------------|---|---|---|--------------|
| 2015 | 48 | 12 | 09 | 69 |
| 2016 | 62 | 48 | 12 | 122 |
| 2017 | 25 | 36 | --- | 61 |
| 2018 | 12 | 42 | 36 | 90 |
| 2019 | 24 | 12 | 42 | 78 |

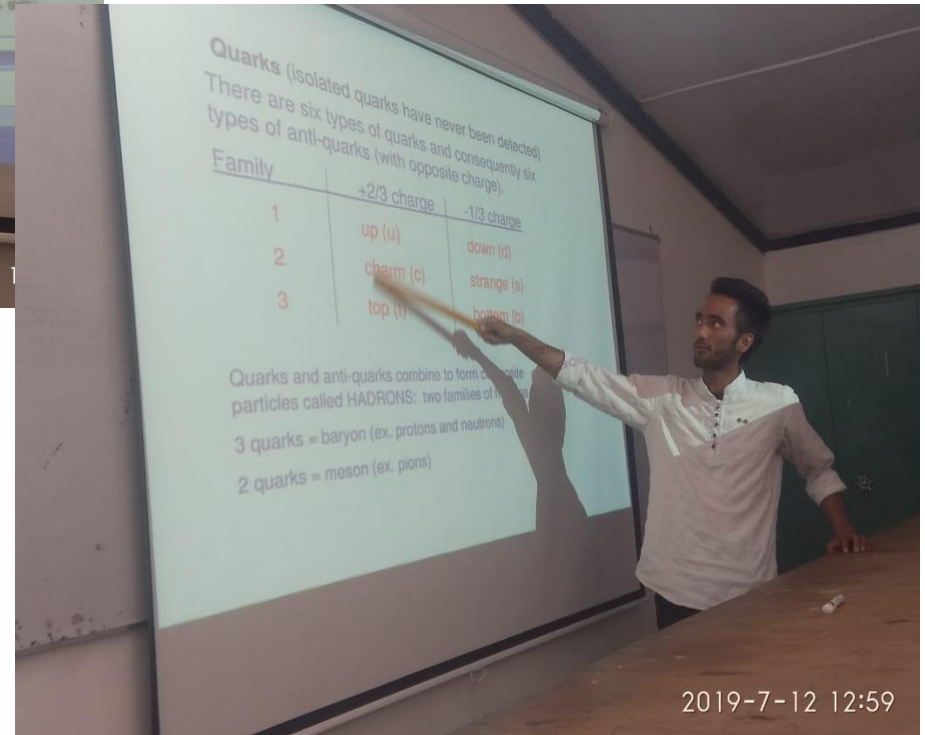
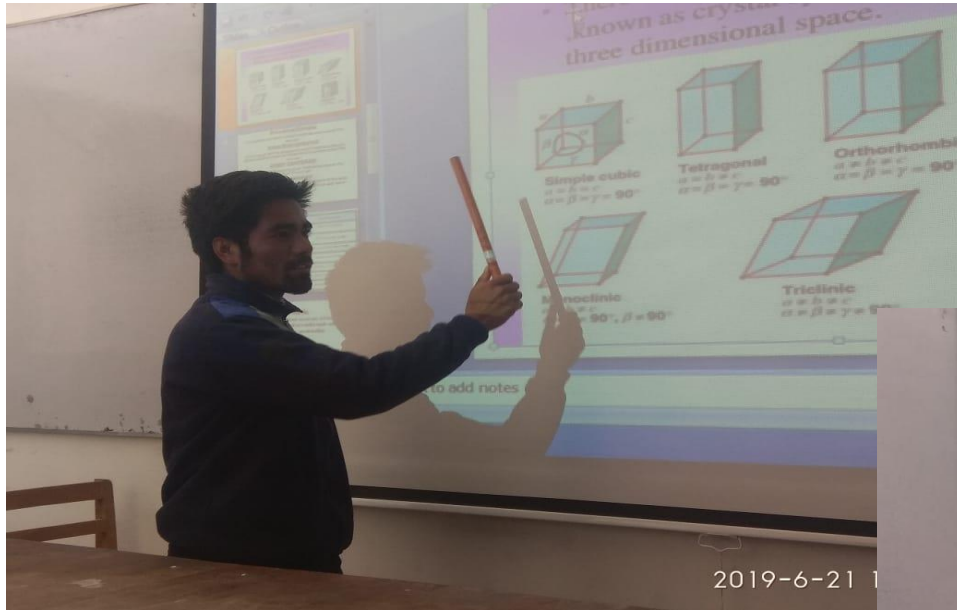
Facilities

- ❖ Laboratory well equipped
- ❖ Dark room laboratory
- ❖ Wi-Fi
- ❖ Library
- ❖ Projector
- ❖ Drinking water

STUDENTS PERFORMING EXPERIMENT IN LABORATORY



STUDENT PRESENTATION



Achievements

Three students qualified IIT JAM-2019

 **Niyaz Ali**

 **Nassir Hussain**

 **Nissar Ali Khan**

LIST OF OTHER STUDENT QUALIFIED ENTRANCE TEST OF VARIOUS UNIVERSITIES

| S.No | Name | University | Year |
|------|------------------|---|------|
| 01 | Muzaffer Hussain | Central University Rajasthan | 2018 |
| 02 | Ahmad Ali | Kashmir University | 2017 |
| 03 | Saima | DU | 2019 |
| 04 | Hakima Banoo | CUCET | 2019 |
| 05 | Ali mohd | Central University Kashmir | 2019 |
| 06 | Fayaz Hussain | Central University Kashmir | 2019 |
| 07 | Niyaz Ali | Jamia/ BHU/ CU Rajasthan/ NIT Srinagar | 2019 |
| 08 | Nissar Ali Khan | Jamia/ BHU | 2019 |
| 09 | Ahmad ali | CU Jammu | 2019 |
| 10 | Ahmad | Punjab University | 2019 |
| 11 | Mohammad | CU Kashmir | 2019 |
| 12 | Nassir Ali | Jammu University | 2019 |
| 13 | Zarina Banoo | Kashmir University | 2019 |
| 14 | Hakima Banoo | Kashmir University | 2019 |

STUDENTS INTERACT WITH PASSOUT SENIORS STUDENT

