

DEPARTMENT OF PHYSICS (DST-FIST ASSISTED)



We
Welcome
The NAAC Peer Team Visit

OUTLINE

- About the Department
- Staff Strength
- Course Details
- Student Profile and Achievements
- Research Profile and Achievements
- Research Facilities
- Infrastructure
- Development and SSR Programmes
- Extracurricular Activities
- SWOT Analysis
- Future



ABOUT THE DEPARTMENT

Established: 1962

The department have produced thousands of Master's students and hundreds of MPhil/PhD Scholars over the years who are serving in School Education/Higher Education and Other Departments in public and private institutions across the country

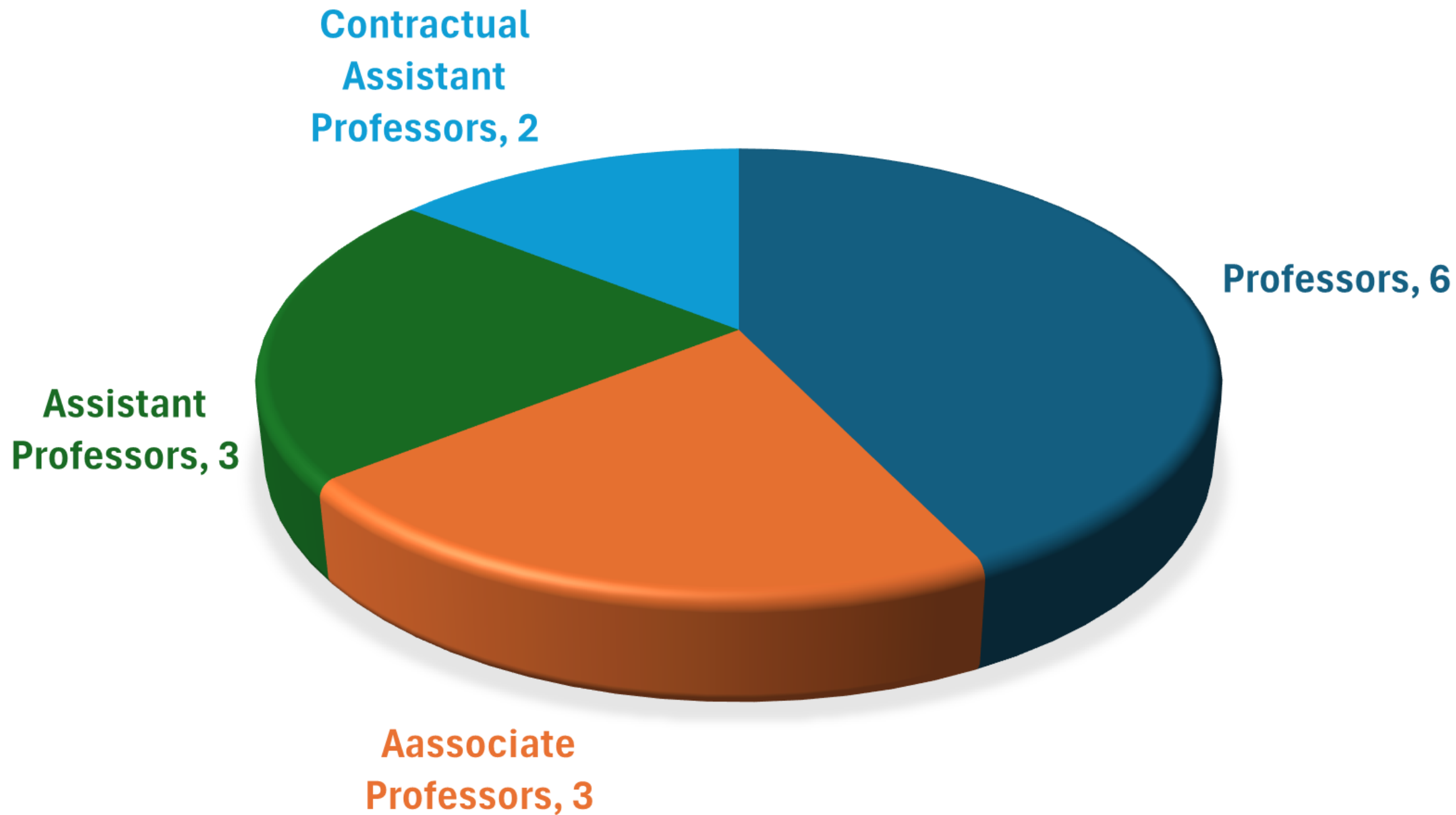
| Programmes Offered | |
|--------------------|----------|
| Programme | Duration |
| MSc in Physics | 2 Years |
| PhD in Physics | 3 Years |

[View Details](#)



FACULTY PROFILE







Prof. Gowher Bashir Wakil
Professor & Head
[Visit Profile](#)



Prof. Manzoor Ahmad Malik
Professor
[Visit Profile](#)



Prof. Mohd Farooq Mir
Professor
[Visit Profile](#)



Prof. Basharat Ahmad Want
Professor
[Visit Profile](#)



Prof. Naseer Iqbal
Professor
[Visit Profile](#)



Prof. Waseem Bari
Professor
[Visit Profile](#)



Dr. Shakeel A. Simnani
Associate Professor
[Visit Profile](#)



Dr. Sajad Masood
Associate Professor
[Visit Profile](#)



Dr. Ghulam Nabi Dar
Professor
[Visit Profile](#)



Dr. Nissar Ahmad
Assistant Professor
[Visit Profile](#)



Dr. Muzaffar Qadir Lone
Assistant Professor
[Visit Profile](#)



Dr. Agha Shahee
Assistant Professor
[Visit Profile](#)



OTHERS

| | |
|---|------------|
| Non-Teaching Staff | 8 |
| Research Scholars (enrolled) | 38 |
| M. Sc. Students (enrolled) (1st & 3rd Semester) | 130 |
| JRFs (Included in PhD Scholars) | 15 |



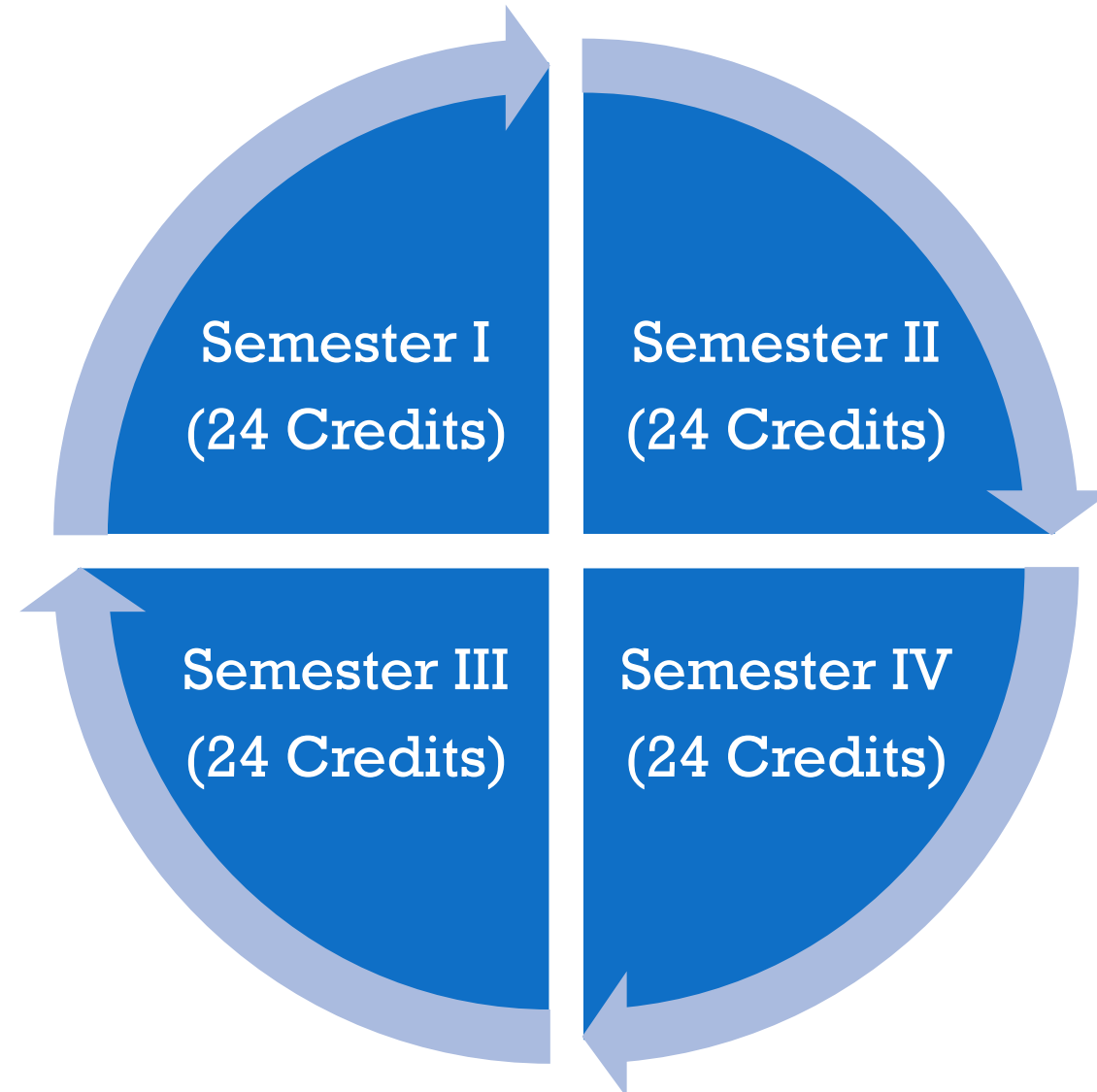
TEACHING COURSES



PHD COURSE WORK (SIX MONTHS)



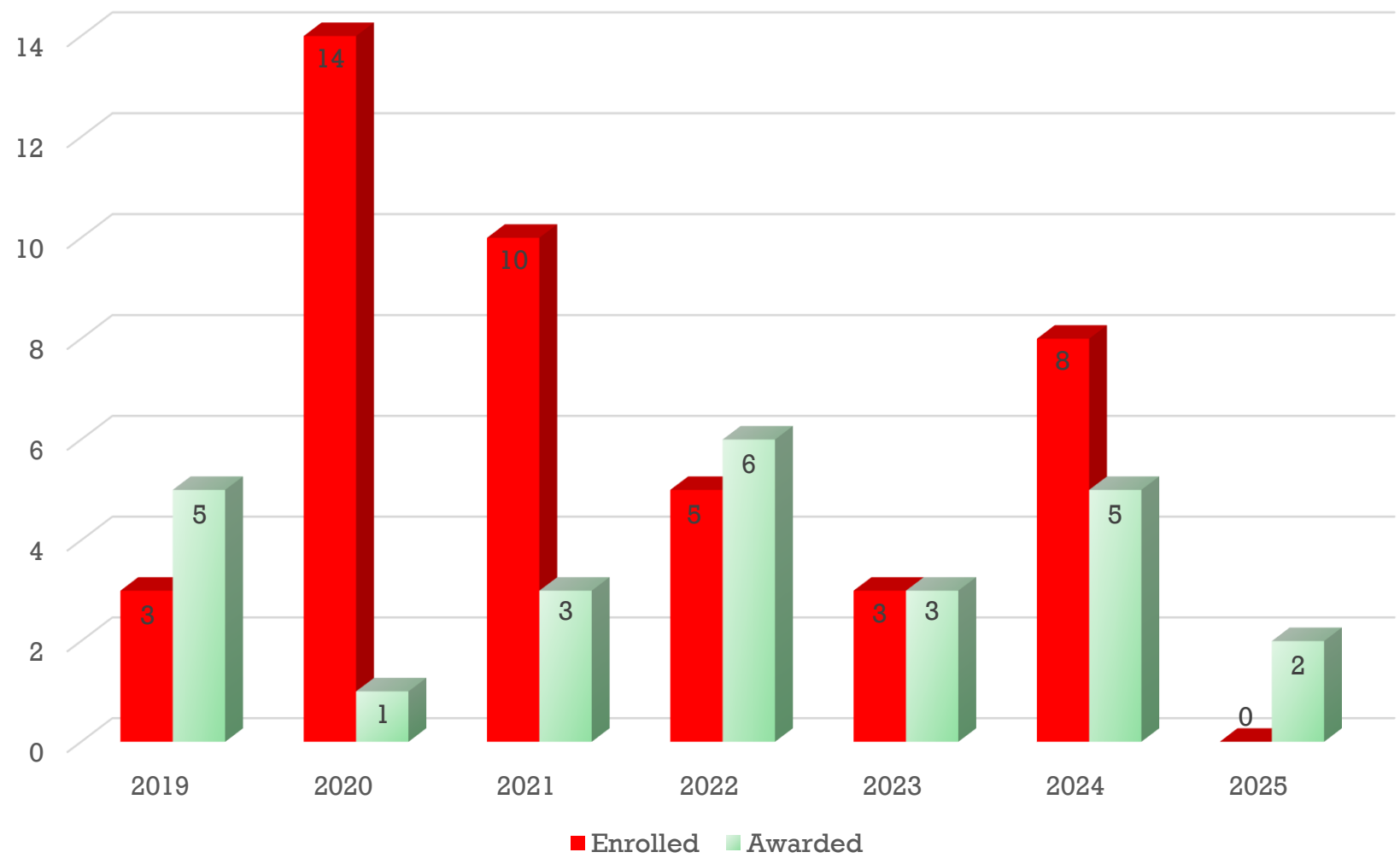
MSC PHYSICS (FOUR SEMESTERS)



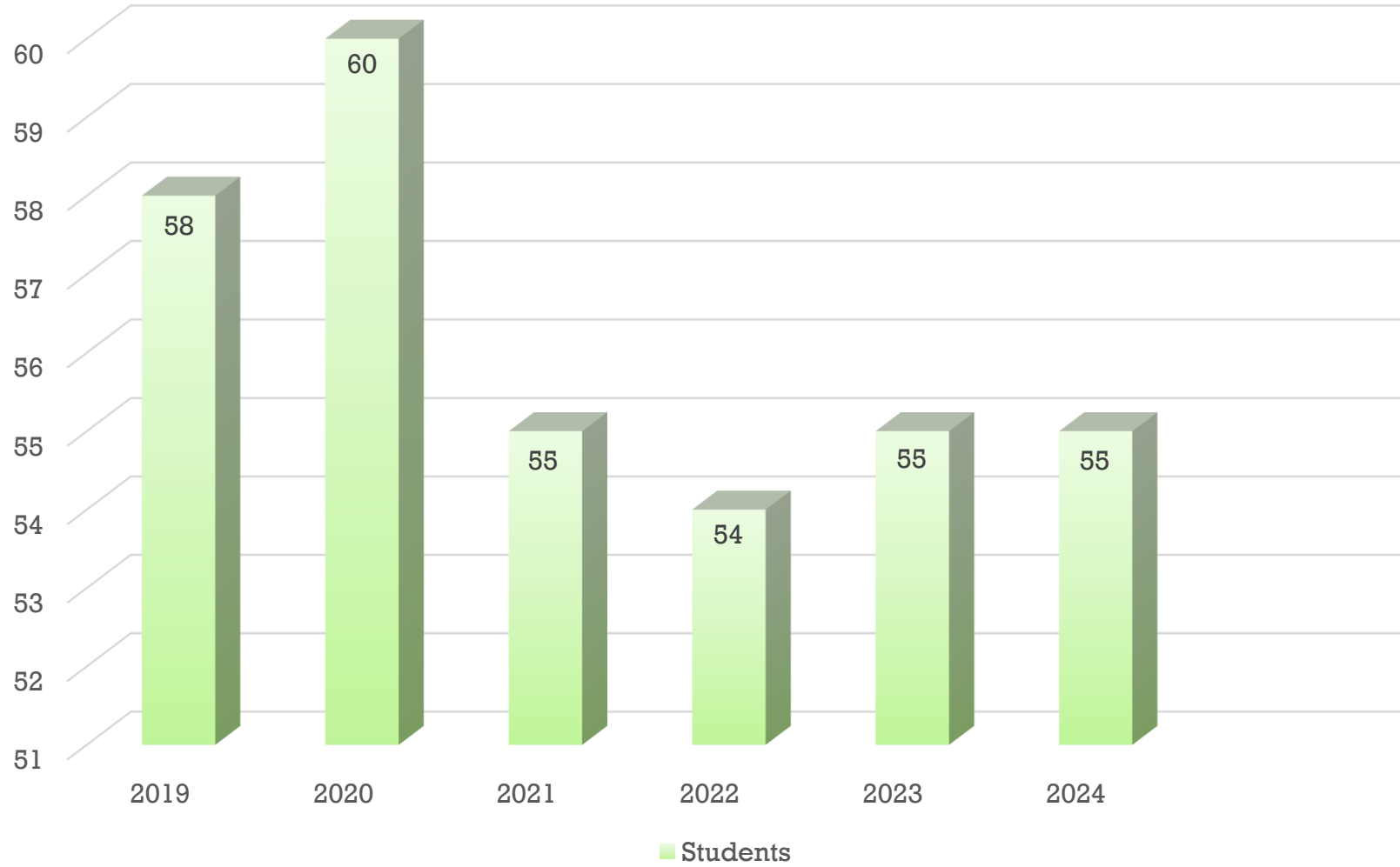
STUDENT PROFILE



PhD Scholars - Enrolled & Awarded



MSc Students Passed Out



| Placements (From 2019 Till Date) | |
|--|--------------------------------|
| Department | No of Students Selected |
| Higher Education Department - JKPSC | 8 |
| Banking Sector | Good Number |
| School Education - JKSSB | Good Number |
| Other Department | Good Number |

| Student Progression (Our Past Students Going For Higher Studies Anywhere) | | |
|---|---------------------------------------|--|
| Year | No of Students Joining PhD | No of Students Joining Post-Doc |
| 2019 | 0 | 1 |
| 2020 | 3 | 1 |
| 2021 | 3 | 1 |
| 2022 | 3 | 1 |
| 2023 | 4 | 3 |
| 2024 | 1 | 2 |

| NET/JRF/GATE/JKSET/LASET/INSPIRE | | | | | |
|---|-------------|-------------|-------------|-------------|-------------|
| 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 2 | 2 | 2 | 5 | 10 | 6 |

| Departmental Fellowships to PhD Scholars | | | |
|---|------------------------------|--|---------------|
| Year | No of Fellowships | Amount Per Fellow Per Month | Total |
| 2019 | 6 | 5000 | 360000 |
| 2020 | 6 | 5000 | 360000 |
| 2021 | 6 | 10000 | 720000 |
| 2022 | 6 | 10000 | 720000 |
| 2023 | 6 | 10000 | 720000 |
| 2024 | 6 | 10000 | 720000 |



RECENT PLACEMENTS IN JKPS

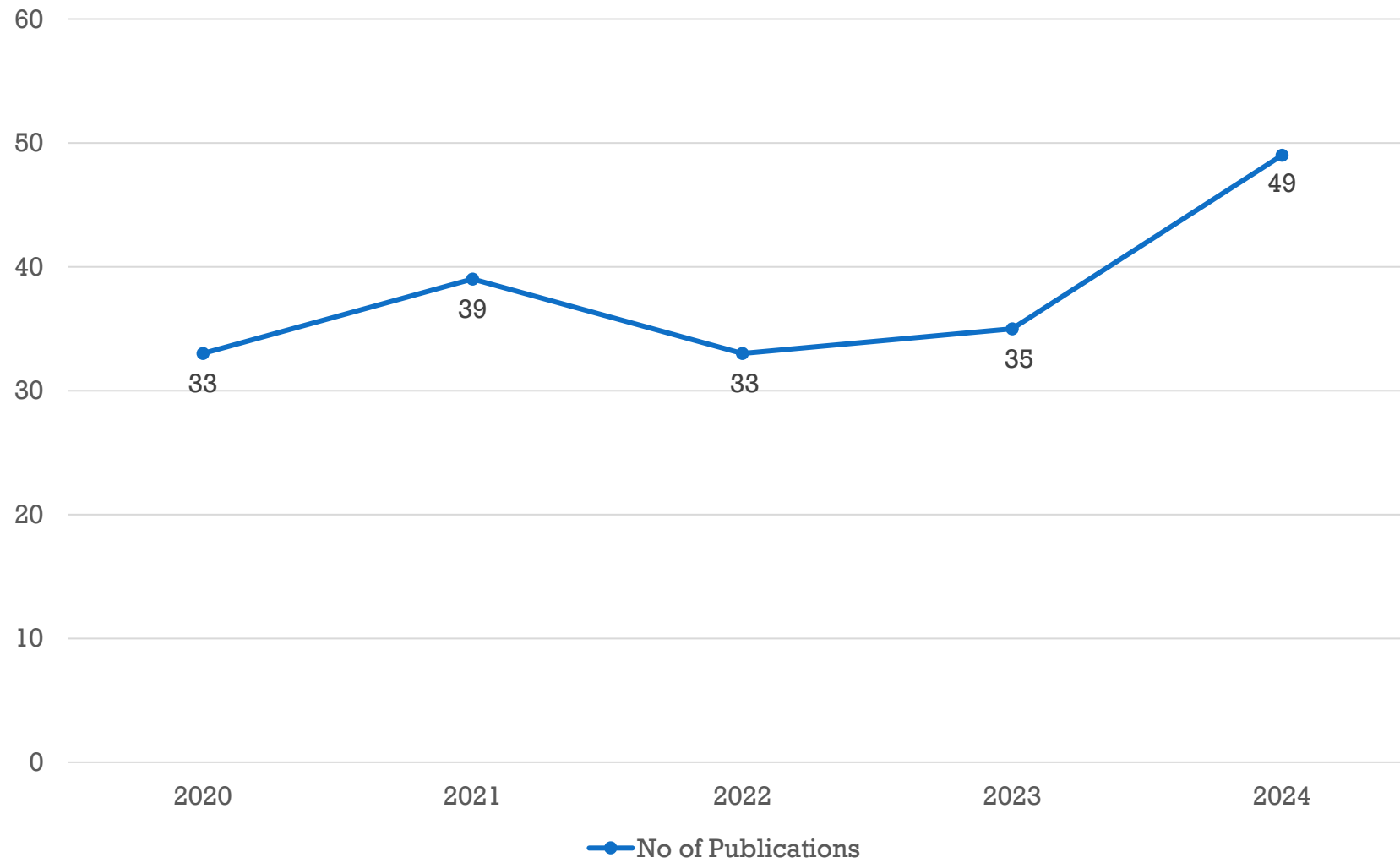
| Name | Degrees From The Department | Year of Award (Highest Degree) | Contact |
|-------------------------|---|-----------------------------------|------------|
| Dr. Aashiq Hussain Bhat | M.Sc. Physics (2016) Ph. D in Physics (2022) | 2022 | 7006542509 |
| Sheikh Jehangir Ahmad | M.Sc. Physics | | 9796101778 |
| Mudabir Ahmad Ganai | M.Sc. Physics | 2012 | 9697067338 |
| Sajad Ahmad Bokad | M.Sc. Physics | 2015 | 7006572987 |
| Bilal Ahmad Ganaie | M.Sc. Physics | 2016 | 9622875117 |
| Dr Mashkoor Ahmad Dar | M.Sc. Physics | 2010 | 6005890862 |
| Yawar Hussain Khan | M.Sc. Physics | 2016 | 7006548172 |



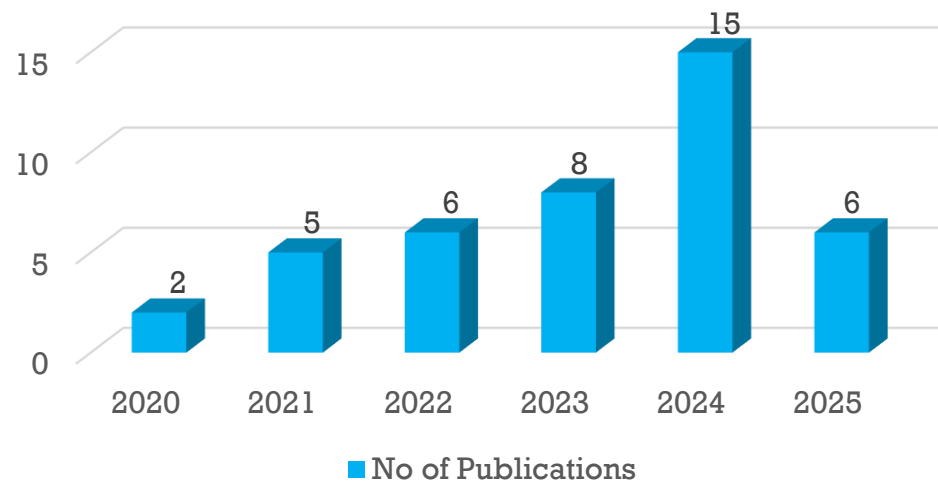
RESEARCH PROFILE



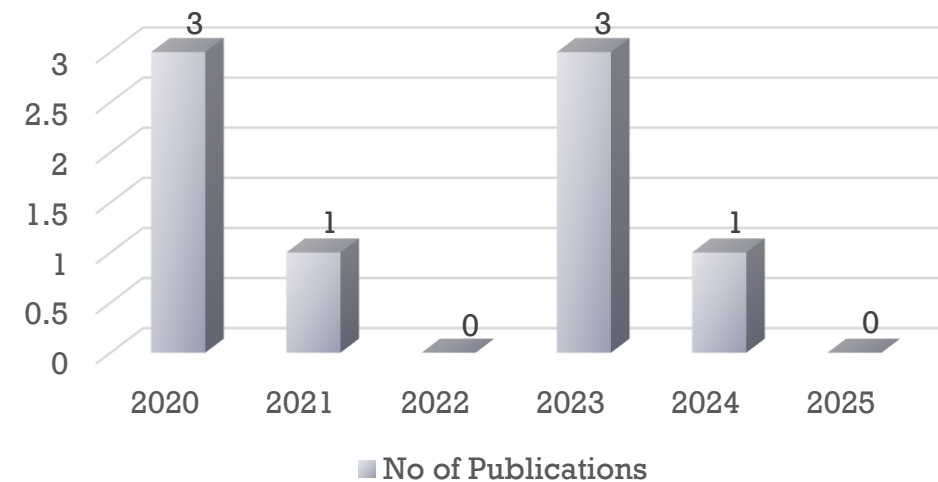
Total No of Publications = 189



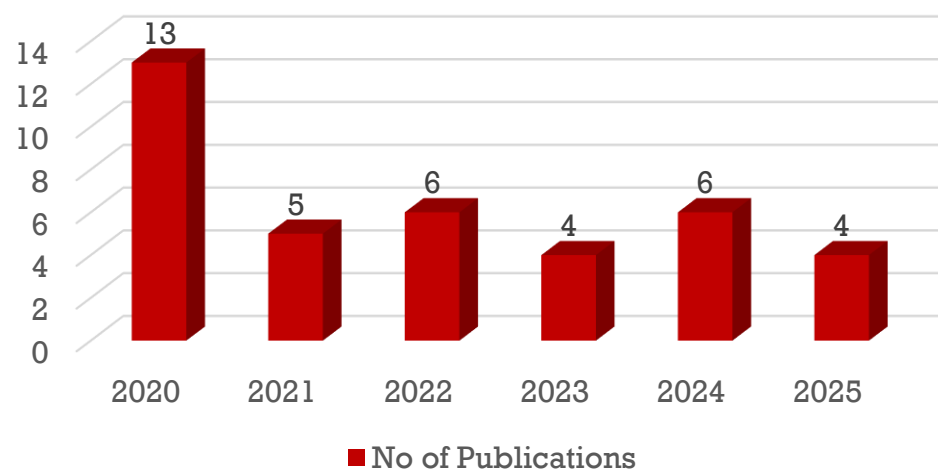
Solid State Physics (42)



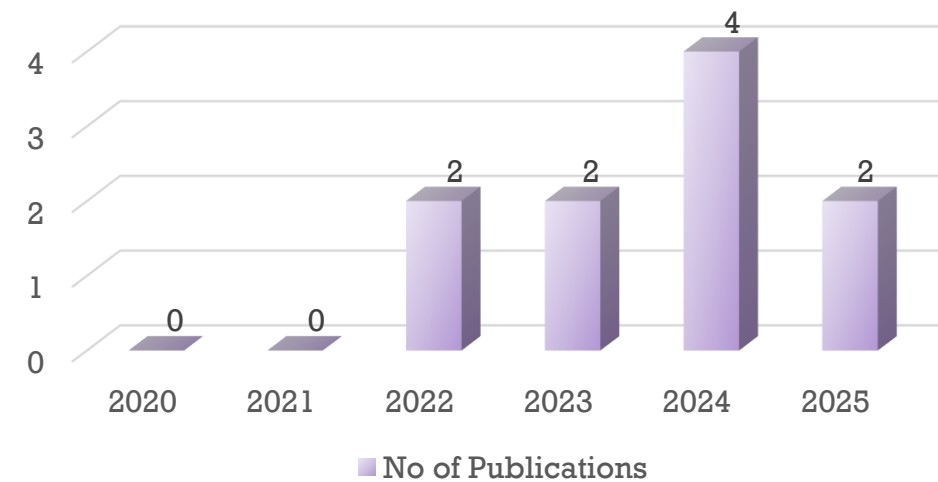
Radiation Physics (8)



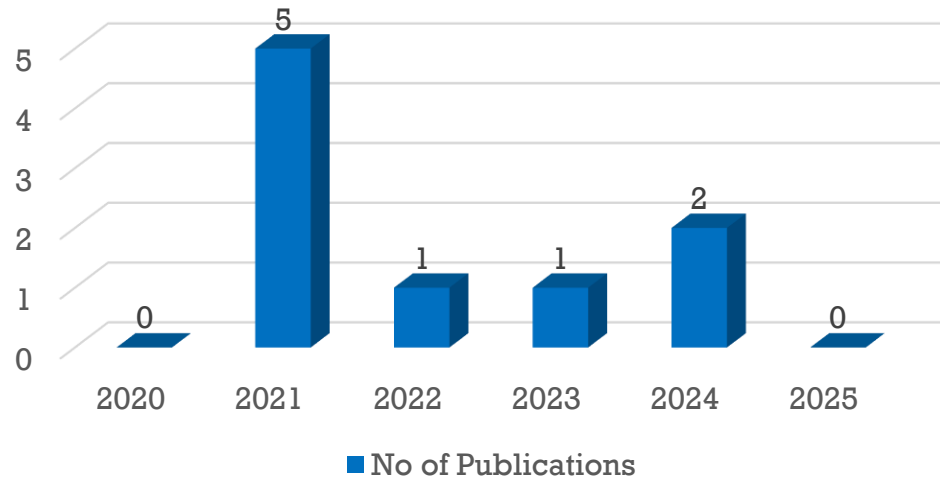
Nano Physics (38)



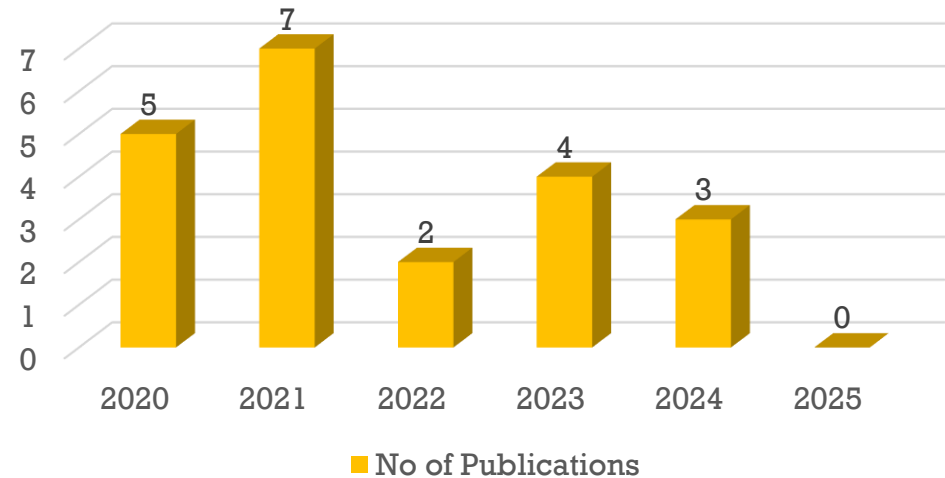
Quantum Dynamics Lab (10)



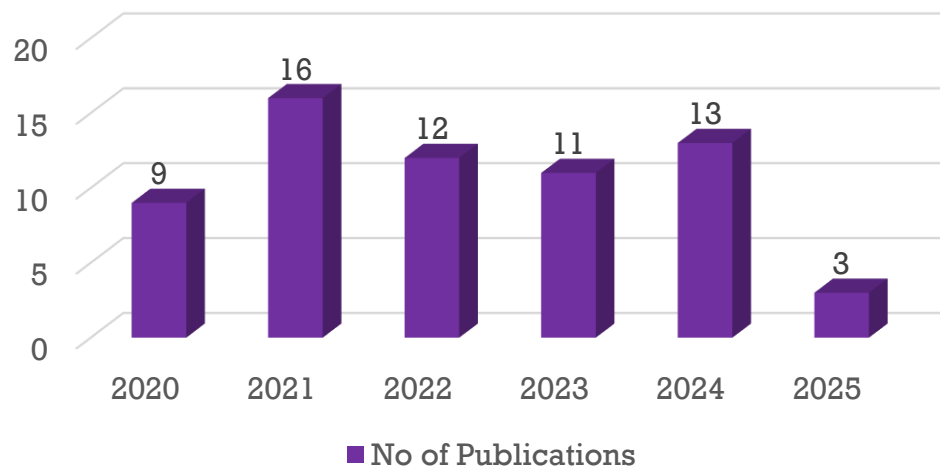
Atmospheric Physics (9)



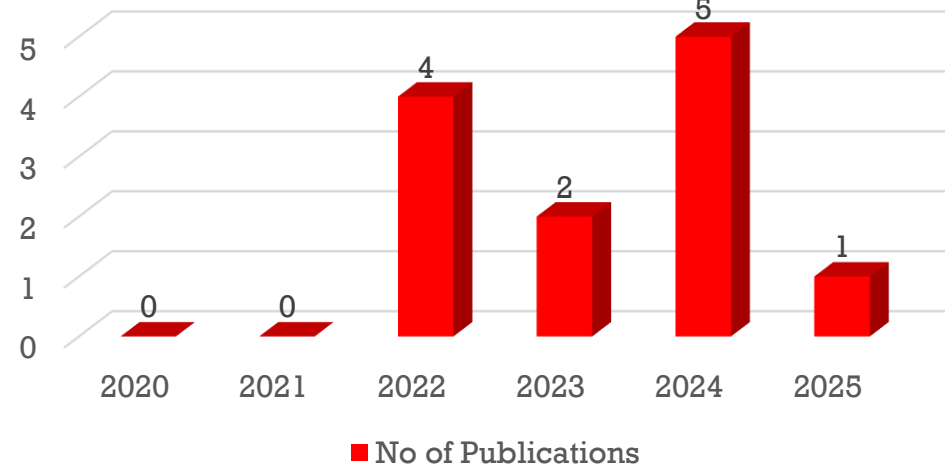
High Energy Physics (21)



Nuclear Physics (64)



Astrophysics (12)



RECENT PUBLICATIONS

| Title | Lab | Journal | IF |
|---|---------------------|---|------|
| Enhanced electrochemical performance of MoS ₂ @ CdS@ GO ternary heterostructures for asymmetric supercapacitors | Nanophysics | Journal of Energy Storage | 8.9 |
| Probing spectral evolution and intrinsic variability of Mkn 421: A multi-epoch AstroSat study of X-ray spectra | Astrophysics | JHEAP | 10.2 |
| Dephasing effects on the low-energy dynamics of Phi 4 model | Quantum Dynamics | International Journal of Modern Physics B | 2.6 |
| Airglow-imager based observation of possible influences of subtropical mesospheric gravity waves on F-region ionosphere over Jammu & Kashmir, India | Atmospheric Physics | Scientific Reports | 4.9 |
| Increasing octupole collectively across the Z=64 isotopic chain: B(E3) values in 150 Gd | Nuclear Physics | Physics Review Letters | 8.1 |
| Radiological assessment of Radon in ground water of the northernmost Kashmir Basin, Northwestern Himalaya | Radiation Physics | Environment Geochemistry and Health | 4.0 |
| Effect of Aluminium (Al)-doping on electrochemical performance of hydrothermally synthesized hematite (α -Al Fe ₂ -O ₃) nanospheres for supercapacitor applications. | Solid State Physics | Journal of Energy Storage | 8.9 |
| TMD evolution effect on $\cos 2 \phi$ azimuthal asymmetry in a back-to-back production of J / ψ and a jet at the EIC | High Energy Physics | Physical Review D | 5.0 |



RESEARCH PROJECTS



ONGOING PROJECTS

| Name of PI | Project Title | Year | Amount | Funding Agency |
|----------------------------------|--|-------------|---------------------|-----------------------|
| Prof. Manzoor Ahmad Malik | Radio and X-ray studies of non-thermal processes in galaxy clusters and galaxy group. | 2022 | 22,03,542.00 | SERB |
| Prof. Basharat Ahmad Want | Effect of different Excitation wavelength on the structural and optical properties of Europium doped nanoscale Zinc Oxide thin films. (3 YEARS) | 2022 | 2,366,880.00 | DST |
| Prof. Naseer Iqbal | Unveiling the high energy emission properties of blazars using astrosat observations | 2021 | 14 lakhs | ISRO |
| Prof. Waseem Bari | Measurement of Integral Vertical Intensity and Angular Distribution of Atmospheric Muons using a Cosmic Ray Telescope | 2023 | 2500000 | DST |
| Prof. Farooq Mir | Indian Participation in ALICE Experiment at CERN, Switzerland | 2024 | 42 lakhs | DST-DAE |



COMPLETED PROJECTS

| Name of PI | Project Title | Year | Amount | Funding Agency |
|--|---|-------------|--|-----------------------|
| Dr Syed Shakeel Ahmad | A Study of radon, Thoron and their progeny level in Kashmir valley of J &K State | 2016 | 33,20,700 | DAE-BRNS |
| Prof. Basharat Ahmad Want | Investigations on ferroelectric and optical properties of some rare-earth based metal-organic frameworks | 2021 | 5,484,400.00 | SERB |
| Prof. Farooq Ahmad Mir | Pre-operative program for Indian Participation in FAIR Project at GSI Darmstadt, Germany Accelerator – Phase I | | | |
| Prof. Waseem Bari | R&D Efforts by University Groups for India Based Neutrino Observatory (INO) Project | 2016 | 4884000.00 | DST |
| Prof. Waseem Bari | India Based Neutrino Observatory (INO) Project | 2014 | 870000 | DST |
| Prof. Manzoor A. Malik | Studies on Atmospheric, Ionospheric and Space Science | 2016 | 9.50 lacs +Airglow Imager on loan from NARL | NARL |
| Dr. Gowher Bashir Wakil (Coordinator) | SAP Program | 2016 | 79.34 Lakh | UGC |
| Rubiya Samad/ Basharat Want | Preparation and characterization of ferroelectric-ferrite composites | 2016 | 26.1 Lakh | DST |
| Ghulam Nabi Dar | Study of pure and ion embedded iron oxide nanostructure for sensing and removal of hazardous wastes from waste | 2017 | 31.04 Lakh | DST |
| Prof. Manzoor A. Malik | X ray Study of Galaxy Clusters | 2017 | 23.38 Lakh | ISRO RESPOND |
| Ghulam Nabi Dar | Effect of light and heavy ion irradiation on pure and transition metal doped iron oxide thin films | 2018 | UFR Funding ~ 6 Lakh | IUAC -UGC |
| Prof. Naseer Iqbal | Multi-wavelength studies of Rich and Poor Galaxy Clusters in an Expanding Universes | 2016 | 6.51 Lakh | ISRO |
| Prof. Manzoor Malik | CMB Project | 2013 | 16.68 Lakh | DST |
| Prof. Naseer Iqbal | Estimation of Diffuse Extra galactic background light through VHE Gamma ray observation of Blazars | 2019 | 33,66,700.00 | DAE BRNS |



POST DOCTORAL PROJECTS

| Name of PI | Supervisor | Project Title | Year | Funding Agency |
|------------------------------|----------------------------------|---|-------------|-----------------------|
| Dr. Showkat Hassan | Prof. Basharat Ahmad Want | Theoretical studies on lead-free inorganic halide lanthanide-based double perovskites for solar cell applications | 2023 | DST-ANRF |
| Dr. Nazir Ahmad Teli | Prof. Basharat Ahmad Want | A density functional theory study of lead-free double perovskites for Spintronics, Optoelectronics and thermoelectric applications | 2023 | DST-ANRF |
| Dr. Mariyah Suddiqah | Prof. Waseem Bari | Probing gluon TMDs in J/psi and J/psi production i fcn ep pp collision) | 2023 | DST-ANRF |
| Dr. Abdul Gaffar Lone | Prof. Basharat Ahmad Want | Structural, Magnetic and Magnetoelectric properties of doped hematite systems. | 2020 | UGC |



RESEARCH FACILITIES





VIBRATING SAMPLE MAGNETOMETER

The Department of physics has a state of art 2.7 Tesla Vibrating Sample Magnetometer (VSM) Model MicroSense (USA) which is capable of working in the temperature range of -95°C to 700°C . The availability of this advanced research equipment has made the Department indigenous in the field of experimental characterization of magnetic materials both bulk as well as at nanoscale.



BioChemistry and Pharma Sciences,
Hazaratbal, Srinagar, 190006

Lat: 34.13408, Lng: 74.83466

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GMT+05:30





BioChemistry and Pharma Sciences,
Hazaratbal, Srinagar, 190006

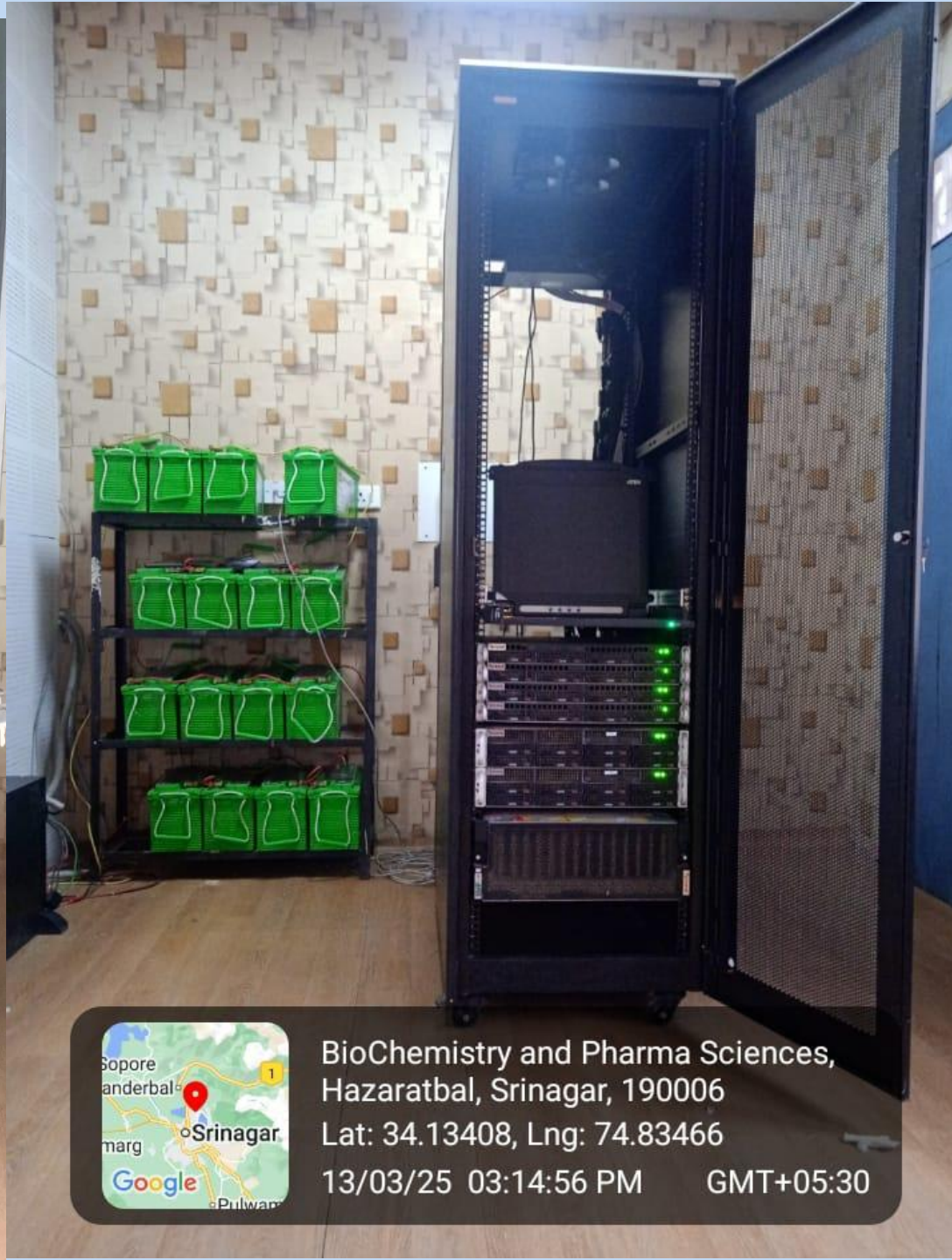
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ATMOSPHERIC AND SPACE LAB

The NARL all-sky CCD airglow imager was installed at the Department of Physics, University of Kashmir, Srinagar in 2017. We observe the nighttime airglow emissions on clear nights (cloud free and moonless). Five different interference filters measure the intensity variations at different wavelengths corresponding to the different altitudes (80-300 km).





BioChemistry and Pharma Sciences,
Hazaratbal, Srinagar, 190006

Lat: 34.13408, Lng: 74.83466

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HIGH PERFORMANCE COMPUTING LAB

The High-Performance Computing Facility at University of Kashmir in the Department of physics has been set up with a grant from the University grants Commission, to provide super-computing access to university users across the country, and to boost the ion solid, nuclear physics and atomic physics simulation programs at KU. The facility is targeted at computational chemists, physicists and biologists in the university system, working in the areas of materials science, atmospheric physics, quantum dynamics and information, molecular physics and chemistry, radiation biology and nuclear physics.



HPC CONFIGURATION

| Component | Specifications |
|-------------------|--|
| Master/Login Node | 2 x Intel Xeon Gold 5118 (12-Core, 2.3GHz), 128GB RAM, 2 x 240GB SSD, InfiniBand (56Gbps) |
| Compute Nodes | 2 x Intel Xeon Silver 4116 (12-Core, 2.1GHz), 128GB RAM, 1TB SATA HDD, InfiniBand (56Gbps) |
| Storage | Lustre-based PFS, >40TB usable space, >2GB/s throughput |
| Interconnect | InfiniBand (56Gbps) using Mellanox HCA |
| Power Supply | Redundant hot-plug power supplies (80PLUS Platinum) |





HARC, GULMARG

In Collaboration with Indian Network Weather Disturbances, Realtime detection of thunderstorms and other weather disturbances are studied at High Altitude Research Centre (HARC) situated at Gulmarg, J & K.





Dr. Pratishtha Pandey
Scientist 'G' / Head
R&D Infrastructure Division
Email: pratishtha.tp@nic.in
Tel.: 011-26590452

भारत सरकार
विज्ञान एवं प्रौद्योगिकी मंत्रालय
विज्ञान एवं प्रौद्योगिकी विभाग
टेक्नोलॉजी भवन, न्यू महरौली मार्ग
नई दिल्ली - 110016
Government of India
Ministry of Science & Technology
Department of Science & Technology
Technology Bhawan, New Mehrauli Marg
New Delhi - 110016

SR/FST/PS-1/2024/303

20 December 2024

Subject: Proposal under "FIST Program - 2024" [TPN - 107520]

Dear Sir,
Kindly refer to the captioned proposal submitted by your Department/ Centre/ College for support under the FIST Program of DST. I am pleased to inform you that the proposal has been favorably recommended in Level B category by the DST, based on the recommendation of the 29th FIST Advisory Board (FISTAB). The details of the recommendation for 5 years' duration of the project are given below:

To augment the research facilities in the Department.

E: ₹ 75.0 L [High Performance Computing (Upgradation): ₹ 40L; Softwares - MATLAB with Simulink, Mathematica, Gaussian 16 and ATK Tool: ₹ 20L & Optical tube for Celestron C-14 Schmidt-Cassegrain Telescope, High Resolution CCD Camera for the Celestron Telescope, Celestron NexStar8 SE Telescope: ₹ 15L]

IRD: ₹ 1.0 L (Activities to be identified by the department)

SSR: ₹ 3.0 L (Select list of activities mentioned in SSR table)

M: ₹ 11.0 L

Total: ₹ 90.0 L

[Any shortage of funds for acquiring the recommended Equipment is to be borne by the HI]

It may be noted that the allocations indicated now above with respect to any Equipment or any other budget heads are the **Upper Limit of the Budget** as they are purely based on recommendations. However, Department shall now finally firm-up specifications/ configurations of each Equipment, Computational & Networking facility in Computer Lab, Infrastructure Facility as recommended above to be acquired by the Department/ Centre/ School/College and actual cost of this project shall be firmed up based on these inputs from you. The support for the 'Maintenance' will be provided as per norms under FIST Program. The type of equipment and its specifications/ configurations finalized now by the Department/ Centre/ School/ College would not be possible to change during the course of implementation of the said project. For enabling us to process the case further, including the release of 1st installment of grant now, you are requested to please upload the following documents you are requested to please upload the following documents by 20th January, 2025 **only through e-PMS web portal of the DST using the registered USER ID and PASSWORD:**

- Valid quotation for each of the recommended equipment (CIF value) for support. Please ensure that the budgetary cost is not an inflated one with respect to its specifications given. In case, the recommendation shows Equipment list is "to be identified & prioritized", please submit quotations of the identified & prioritized Equipment only. **Teaching Aids like LCD Projector, Smart Boards etc. are out of scope of FIST support and shall not be projected by the Department/ Centre/ School/ College.**
- Quotations with detailed plans for implementation of the 'Networking and Computational Facilities' (NW) under the support as per guidelines mentioned in the Terms and Conditions of DST - FIST Program available at the website: www.fist-dst.org.

- Budgetary quotes from suppliers along with details & their cost estimates of Items/ activities recommended & proposed under 'Infrastructure Facility' which includes the list of Books, Lab renovation etc.
- Identify the activities pertaining to the Scientific Social Responsibility (SSR) to be conducted, and hence, provide a detailed plan with cost-wise details to undertake each of such activities.
- Identify the activities pertaining to the Industrial Research & Development (IRD) to be conducted, and hence, provide a detailed plan with cost-wise details to undertake each of such activities. It is a Proactive measure of DST to have a hand-holding system should be in place to assist startup and industry, organization of Industry & Academia Meetings in to encourage and maximize the utilization of research infrastructure Such encouragement would accelerate the human resource exchange program, deployment of research knowledge, deepen and strengthen current research links, and enable acquisition of new skill and practices.

The Department/ Centre/ School or College who have already enjoyed support earlier under FIST Program and recommended for **Repeat Support** now, shall need to complete all formalities i.e. **submission of Project Completion Report, Audited Financial Statements, Refund of unspent funds etc.** for the previously supported project under DST-FIST Program. Process towards releasing the grants to such Department/ School/ Centre would not be possible to initiate without completion of all formalities for the previous project. **Blank Format** toward closure of previous project is also available at the website: www.fist-dst.org

Department/ Centre/ School/ College are also requested for uploading all documents (whichever is applicable) as a single PDF file through e-PMS web portal by 20th January, 2025 in the following order:

| S. No. | For PG Colleges under Level A and Department/ Centre/School at the University/Academic Institute under Level B category | For Department/ Centre/School at the University/Academic Institute under Level C and Level SHAKTI category |
|--|--|--|
| 1 | List of the Major & Minor Research Equipment with Cost (₹) and Quotations (one for each equipment) | List of the Research Equipment with Cost (₹) and Quotations (one for each equipment) |
| 2 | Items for Networking Lab with cost (₹) and quotations | Not Applicable |
| 3 | Items for Infrastructure including quotations for lab renovation, any other item and list of Books with Cost (₹), as applicable | Items for Infrastructure including quotations for lab renovation, any other item, as applicable |
| 4 | Cost of sample preparations and other peripherals towards seeking the allocated amount under IRD budget head for undertaking analysis of the industrial samples | |
| 5 | Cost-wise list of activities pertaining to the Scientific Social Responsibility (SSR) to be undertaken | |
| 6 | Duly signed copy of Terms & Conditions | |
| 7 | Composition of Project Implementation Group (PIG) | |
| Documents (in PDF) to be submitted for the previously supported project (if any) under DST-FIST Program (Formats at www.fist-dst.org) | | |
| 1 | Project Completion Report | |
| 2 | Brief Summary of FIST support (not for 1st time supported Departments/ Schools/ Centers/ Colleges) | |
| 3 | Audited Financial Statements | |
| 4 | Receipt generated after refund of unspent funds and accrued interest (if any) at the Consolidated Fund of India (CFI) through NTRP i.e. www.Bharatkosh.gov.in | |

Please do not send these documents in parts or by e-mail at the last moment. Incomplete documents submitted by any Department/ Centre/ School/ College would be unable to process for releasing grants. Kindly send the above information along with acceptance for taking up the project at the earliest to enable us to process the project for release of grant. In case we do not receive the abovementioned documents/ information within 20th January, 2025, it would be presumed that the Department/College is not interested in this project and the offer would automatically stand withdrawn. **Kindly submit all the above-mentioned documents through e-PMS Web portal only.**

Any further correspondence may please be sent directly to my colleague, Dr. Rajkumar Joshi, Scientist 'F' (E-mail: rkjoshi@nic.in; Phone: 011-26590348) who will be handling the project henceforth. I shall remain accessible to Dr. Rajkumar Joshi for all project related matters, in case there is any such need on his part.

With best regards

To,
Head of Department,
PG Department of Physics,
Kashmir University, Hazratbal,
Srinagar-190006, Jammu and Kashmir.

Pratishtha Pandey
(Dr. Pratishtha Pandey)

DST-FIST

Department of Physics have recently (December 2024) been granted FIST assistance of INR 90 lac to improve the research infrastructure in the department. The grant shall be utilized to upgrade the HPC Facility, procure tools like Gaussian, QATK, MATLAB, Mathematica and purchase of Celestron Telescope along with High Resolution CCD Camera and Optical Tubes



MOU'S & COLLABORATIONS

| People Involved | Field of Research | Agency | Nature | Year |
|-------------------------------------|---------------------|--|---------------|----------------|
| Prof. Manzoor A. Malik | Atmospheric Physics | National Atmospheric Research laboratory | MOU | 2016 |
| Prof. Farooq A. Mir | High Energy Physics | Compressed Baryonic Matter (CBM) experiment at Facility for Antiproton and Ion Research (FAIR), Germany, VECC Kollata, ALICE | Collaboration | |
| Prof. Waseem Bari | High Energy Physics | SINP Kolkata, TIFR Mumbai, NIT Durgapur, Radiation Oncology Department GMC Srinagar | Collaboration | |
| Prof. Naseer Iqbal | Astrophysics | IUCAA Pune, BARC Mumbai | Collaboration | |
| Prof. Basharat A. Want | Solid State Physics | Central University of Kashmir, National Taiwan University, Lovely Professional University, AMU, M S University of Baroda, Gurunanak University Hyderabad, NIT Srinagar | Collaboration | |
| Dr. Sajad Masood | Radiation Physics | Tongji University Shanghai, Punjab Technical University, Radiation Safety System Division BARC Mumbai | Collaboration | |
| Dr. Muzaffar Qadir Lone | Quantum Dynamics | NIT Srinagar, NIT Rourkela, ICTS Banglore, SINP, NYU China, ICTS, IMSC Chennai | Collaboration | 2013 - Present |
| Dr. Ghulam Nabi Dar | Material Science | IUAC Delhi, Imam Abdulrahman Bin Faisal University Dammam Saudi Arabia, Annamalai University, NIT Srinagar, SP College Srinagar | Collaboration | |
| Prof. Gowher Vakil/Dr. Nissar Ahmad | Atmospheric Physics | DRDO, IITM Pune | MOU | Under Process |



INFRASTRUCTURE

| | |
|--------------------------------|----|
| Number of Classrooms | 2 |
| Seating Capacity of Classrooms | 65 |
| Room 1 | 65 |
| Room 2 | 65 |
| Laboratories | 3 |
| Reading rooms | 1 |
| Common room for women | 1 |
| Conference rooms | 1 |
| Ramp facility available | 1 |
| Faculty Chambers | 13 |
| Number of rooms for scholars | 9 |
| LCD projectors available | 2 |

| | |
|--|------|
| Conference rooms | 1 |
| Meeting rooms | 1 |
| facility to support research if any | 2 |
| Departmental specific labs in any | 1 |
| Number of library rooms | 1 |
| Total number of books | 9124 |
| Computer Lab | 1 |
| Number of Computers available for students | 15 |
| Number of Computers available in office | 2 |
| Number of Computers available for faculty | 11 |
| Total number of printers available | 21 |





Physics and Mathematics
Departments, Hazaratbal, Srinagar,
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Physics and Mathematics
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CLASSROOM'S

Two high end classrooms





COMPUTER LAB

Collection of 25 latest working machine

Programming is executed on high-speed systems

[View Details](#)





LIBRARY

Collection of 9124 books

Good number of journals
national as well as
International

Thesis of Ph.D. & M.Phil.

Reading facility for ~ 30
students at a time.

Physics and Mathematics
Departments, Hazaratbal, Srinagar,
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MSC LAB'S

Contains ~ 22
Experimental Equipment.

Experiments cover range
of specializations.

More than 50
experiments are
executed using these 22
experimental setups.

Physics and Mathematics
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TEACHERS FPD PROGRAMMES

| Year – 2022 | | | |
|------------------------|--|----------|------------------------|
| Name Of the Faculty | Type Of Program | Duration | Period |
| Dr Muzaffar Qadir Lone | FDP ON “Research Avenues And Challenges in Industry 4.0” | 5 DAYS | 31 Jan - 04 Feb 2022 |
| Muzaffar Qadir Lone | Second Adriatic Conference on Strongly Correlated Systems (and beyond) | 12 DAYS | 16-18 Feb 2022 |
| Ghulam Nabi Dar | STUTI Refresher Course | 7days | 23-29 May 2022 |
| Muzaffar Qadir Lone | STUTI Refresher Course | 7days | 23-29 May 2022 |
| Year – 2021 | | | |
| Dr Muzaffar Q Lone | RUSA Sponsored Online Refresher Course | 12 Days | 08-20 Feb 2021 |
| Year – 2020 | | | |
| Ghulam Nabi Dar | Refresher Course (Computer Science KU) | 7 Days | 20-25 July 2020 |
| Ghulam Nabi Dar | One Week Workshop on RANN 2020 | 5 Days | 04-08 August 2020 |
| Year – 2019 | | | |
| Muzaffar Qadir Lone | Refresher Course | 5days | July 29-August 4, 2019 |
| Ghulam Nabi Dar | Refresher Course (IUST) | 5 Days | July 29-August 4, 2019 |

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WORKSHOP/CONFERENCE/SCHOOLS ORGANIZED

- International Symposium on Semiconductor Materials and Devices 2024
- Workshop on High Performance Computing 2024
- One day training program “Research Facility Training Program” 2023
- 4-Day Science Outreach Program 2023
- Himalayan Meet Of Astronomers 2023
- One Day Undergraduate Students of Colleges and Universities Visit to the Department of Physics on 6th October 2022
- Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI) 2022
- University of Kashmir Sponsored Online International workshop on VHE Data Analysis using Open-Source Packages 2022
- Workshop on Astronomy and Astrophysics 2019
- National Seminar in Physics 2019



RECENT NOTABLE VISITORS

- Prof. S. Karmalkar (Director, IIT Bhubaneswar)
- Prof. Vikram Kumar (IIT Delhi)
- Prof. Shakeel Khan (AMU)
- Prof. Ajit Kembhavi (Director, IUCAA, Pune)
- Prof. Ashis Mahabal (California Institute of Technology, US)
- Prof. Sree Ramkumar (Director, IIA)
- Prof. Kanjilal Director, IUAC
- Jayaram N. Chengalur Director NCRA (TIFR)
- Prof. Sultana Nahar from Ohio State University
- Prof. Tawheed Ahmad from AMU Aligarh
- Prof. Saed Uddin from Jamia Millia Islamic

And List Goes On . . .



STUDENT PARTICIPATION AND ACTIVITIES

- In addition to the academics, our students participate in various co-curricular activities within and outside the Department.
- The activities include:
 - Departmental Tours
 - Quiz/Debate/Speech Competitions
 - Painting/Drawing/Calligraphy/Art Competitions
 - Sports Events
 - Farewell/Fresher/Teachers Day/Science Day Celebrations



INTRA-UNIVERSITY CRICKET TOURNAMENT



INTRA-UNIVERSITY CRICKET TOURNAMENT



Freshers, Farewell & Reunions

Every Year Students get chance to express their hidden talent



GLIMPSES



TEACHER'S DAY CELEBRATIONS



FUN-FILLED JOY



INTERNATIONAL SYMPOSIUM ON SEMICONDUCTOR MATERIALS AND DEVICES 2024



INTERNATIONAL SYMPOSIUM ON SEMICONDUCTOR MATERIALS AND DEVICES 2024



ALUMNI ENGAGEMENT

- Department has recently organised Alumni Meets in year 2022 and 2024 in which a good number of alumni of the department passed out from the Department over a wide range of years from 1986 to 2023.
- The alumni of the department shared their experiences in their respective workplaces as well as in the department.
- Current students of the Department engaged with the alumni in Q & A Sessions.
- The alumni gave important suggestions to improve the work culture and growth rate of the department

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GLIMPSES FROM ALUMNI MEET



ACKNOWLEDGEMENT

- We thank the NAAC Peer Team for their visit to our department.
- We acknowledge the Faculty and other staff who have made this representation valuable by their inputs.
- We thank the Scholars and Students of the department, who have actively contributed to the process of representing the department at this level.



Thank You

