

PG Department of Physics

About the Department:

The PG Department of Physics, DSCW, was established in the year 1960 and runs as one of the most popular department among the various institutes across the country. Recently the department has been recommended by the Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India, New Delhi, to receive financial support under the **Star College Scheme** for the year 2019-2022. Previously, it was awarded with the status of star science department by UGC for the year 2013-14. The department is proud to be the first in Ferozpur district to start M. Sc. course in Physics in 2014. The department has highly qualified and experienced faculty members. It has an excellent academic record in preparing students for career and higher education.

The Department has been serving for more than five decades to build the career of the undergraduate students in advanced physics. The rapid growth of the Department is reflected in its expansion under the dynamic stewardship of well qualified and experienced faculty members. The Department is committed to excelling in teaching and providing research opportunities in order to enrich learning experience of the undergraduate and post graduate students. It plays a leading role in conducting national level seminars/workshops/conferences in collaboration with the most prestigious institutes across the country. Workshops, group discussions, guest lectures and competitions like quiz, essay writing, poster making are also organized to enable the students to become fully competent in the global community. The Department has its unique contribution in the field of physics and human values with the exploration of new frontiers of knowledge and innovations in academics.

Courses Offered

Master of Science (M.Sc. physics) (Two Year program)

Bachelor of Science B.Sc. (Non-Medical /Computer Science) 3 year program

Highlights of the Department

- Highly competent, efficient and student-friendly faculty.
- Well-equipped six labs with ultra-modern instrumental facilities.
- Highly modernized Computer Lab.
- Staff room with Internet Facility.
- Magazines available in the library are Pratiyogita Darpan, Current Science and Resonance.

- Frequent seminars, Workshops, Quiz Competitions, Debates, PowerPoint Presentations and the Celebrations of important International Days & National Science Day etc. are also organized by the Department.
- Department has research collaborations with Panjab University, Chandigarh and PTU, Jalandhar
- The only women Postgraduate Department which offers M.Sc. course in Physics awarded by Panjab University, Chandigarh in the Border Area.
- About 8 renowned Scientists of National repute have visited the Department for the lectures and interactive sessions with the students.
- Status of DBT Star Department by Ministry of Science & Technology , Govt. of India, New Delhi, for the year 2019-2022
- Status of ‘Star-Science Department’ by the UGC for the year 2013-2014.
- University Approved Faculty for supervising PhD scholar.
- Learning resource centre
- Faculty Development Programmes
- Wide use of ICT by faculty and students
- Teaching and learning through smart class-rooms
- Experimental demonstrations

Faculty Profile

Teaching Faculty	Designation	Qualification
Mr. S.S. Gill	HOD, Associate Prof.	M.Sc., M. Phil.
Dr. Asha	Asst. Prof.	M.Sc., Ph.D.
Mrs. Nadia	Asst. Prof.	M.Sc., NET
Dr.Aanchal	Asst. Prof.	M.Sc., Ph. D
Dr.Tavneet	Asst. Prof.	M.Sc., Ph. D
Ms. Manpreet	Asst. Prof.	M.Sc., NET

Ms. Surbhi	Asst. Prof.	M.Sc.
Ms. Kajal	Asst. Prof.	M.Sc.

Publication Work

Research Papers in Scopus/ SCI Indexed and UGC Approved Journals	47
Papers presented in National/International Conferences	35
Seminar Abstract Books	01
Books/Manuals Publication	05

National Seminar/Conferences organized

National Seminars	09
One Day workshops	04
Five Days Workshop	01

Research Projects

Minor Project-Estimation of Natural Radioactivity in the Environs of Barnala District of Punjab

Curriculum

Syllabus for Bachelor of Science B.Sc. (Non-Medical /Computer Science) 3 year program:

<https://puchd.ac.in/includes/syllabus/2021/20210920152649-b.a.b.sc.honours5th6thsemesterexam.2021-2022.pdf?202212044703>

Syllabus for Master of Science (M.Sc. physics) (Two Year program):

<https://puchd.ac.in/includes/syllabus/2021/20210903110751-m.sc.twoyearcoursephysics2021-22.pdf?202212051603>

Outstanding Alumnae of Department of Physics

Name	Designation
Mamta	Associate Professor in Physics, Govt. College of Boys, Ludhiana
Renu	Associate Professor in Math, Panjab University, Chandigarh
Ms. Harpal Kaur	Principal, Prof. Gursewak Singh Government College of Physical Education, Patiala
Ms. Kirpal Kaur	Associate Professor, Govt. Girls college, Ludhiana
Nitasha	P-TET qualified
Nadia	CSIR-NET qualified, Assistant Professor in DSCW Ferozepur
Gagan	(Gold medalist), H.O.D (Math) in H.M.D.A.V. College, Jalandhar
Asma	CSIR-NET qualified, Assistant Professor in DSCW Ferozepur
Jyoti	Lecturer in DSCW Ferozepur
Aanchal	Lecturer in DSCW Ferozepur
Sonia	Assistant Professor in DSCW Ferozepur
Amita Chawla	CSIR NET JRF Qualified, Assistant Professor in Govt. Brijindra College, Faridkot.
Ankita Aggarwal Kansal	Research scholar at Creighton University, Omaha, USA.
Anjali Thakur Uppal	works in an MNC QUINTILES at Ahmedabad
Uma Kamboj	M.Sc. in Astronomy and Space, Project Assistant

	Level II, CSIO Chandigarh
Dr. Ramandeep Kaur	Assistant Professor, Islamic University of Science and Technology, J & K
Yashita Jain	Assistant Professor, Khalsa college, Ludhiana
Rohini Sachdeva	Programme Manager Science Deptt, New Castle College, London
Dr. Harleen Kaur	Assistant Professor, DSCW, FZR.
Dr.(Mrs.) Lalita Goyal	Ph.D., Scientist in R&D planning division of CSIR, New Delhi
Renuka Narula	JR, RML Hospital, New Delhi.
Ms. Gurmeet Kaur	Research Scholar, Punjabi University, Patiala.
Ms. Mandeep Kaur	CSIR-NET qualified, Assistant Prof. Department of Chemistry, R.S.D College, Ferozepur
Dr. charanjeet Kaur Mangat	Head of Department of Physical Sciences, RIMT University, Mandi Gobindgarh
Ms. Vasu	Analyst, Commerce Banking, Bangalore
Ms. Rekha	CSIR NET qualified, Assistant Professor, Surjeet Memorial College, FZR.
Ms. Rama Mehta	Principal, Adarsh School Bagu, Sri Muktsar Sahib
Ms. Monika Dogra	Lecturer, Govt. Sen. Sec. School, Sector-18, Chandigarh

Campus Placements

- Nisha Garg Placed in Wipro Wase
- Jashan Preet Kaur Placed in Infosys
- Deepika Goyal Placed in Infosys
- Sakshi placed in Infosys
- Manpreet placed in Wipro
- Smiley placed in Wipro
- Ishika Placed in Wipro
- Anmol Placed in Wipro
- Smiley Placed in Wipro
- Jashanpreet Kaur Placed in Wipro

Future prospects

- Assistant Prof.
- Scientist in ISRO, BARC, DRDO, ONGC, NTPC, BHPL
- Geophysicist
- Research analyst