



# **Shree Guru Gobind Singh Tricentenary University, Gurugram**

## **Faculty of Physical Sciences**



# Faculty of Physical Sciences

Department	Teaching Staff	Non Teaching Staff
Physics	06	02 (Lab Tech)
Chemistry	05	01(Lab tech)
Mathematics	08	00
Deans Office	00	02
Total:	<u>19</u>	05



# Faculty of Physical Sciences

Courses Offered	Strength of Students
B.Sc(NM)	43
B.Sc(Hon)	21
M.Sc(Chemistry)	21
M.Sc(Physics)	10
PhD (Physics)	01
PhD (Maths)	01
PhD (Chemistry)	00
Total	97

Our faculty members are also engaged in taking classes of regular students in Faculty of Engineering, Faculty of Management, Faculty of Allied Health Sciences, Faculty of Agricultural Sciences, Faculty of Pharmacy and Faculty of Commerce and Management.



# Faculty of Physical Sciences

## Curriculum:

- Adjusted credits and syllabus as per UGC norms
- Added Open elective papers, University Elective papers and Value added papers .
- Inclusion of Extra curricular activities.
- Industry connects:

## Alumni connects:

- Panel constituted and Strong Alumni has been identified
- Updating of data will be continued on regular basis
- Feed back system to be developed and feed back form has been designed

## Blog Writing and Publication:

- We are in the process of implementing writing of blogs and publishing in the University website.



# Faculty of Physical Sciences

Continued.....

## **Placements/Internships:**

- Panel has been constituted for placements and internships of the students

## **M.Sc. Projects**

- In the new curriculum, projects have been made a core paper

**Faculty profiles** are excellent

Most of the faculty members are Ph.D. from reputed Institutions

## **Research Lab.**

- Planning to establish research in the department.

## **Research Projects**

- This is our thrust area
- Projects have been invited and they will be reviewed



# Faculty of Physical Sciences Results

Subject	Courses	Result (Jan–May 2017)
Physics	B.Sc(NM)	97%
	M.Sc(Physics)	90%
Chemistry	B.Sc(NM)	90%
	M.Sc(Chemistry)	96%
Mathematics	B.Sc(NM)	86%
	B.Sc(Hon)	82%



# Faculty of Physical Sciences

## Mentor–Mentee Program

Mentor–Mentee program has been implemented in the faculty as per SGT University Guidelines:

1. The students observed to be absent for more than three days were consulted and accordingly their parents were intimated on phone. As a result the improvement in attendance has been observed.
2. The percentage of mass bunk in the classes has been reduced by proper counseling and timely guidance to students
3. The books in the library were not available. Students approached the concerned Heads. The request application was submitted to Librarian at FET and the required books have been transferred to FPS library.
4. Students are more disciplined regarding uniforms.



# Faculty of Physical Sciences

## Teaching activities

No. of classes /Hours	Course completion	Problems encountered	Suggested remedies	Teaching methodology used (percentage of each method used)	Details of Choice based credit system
45	100%	Interruption in regular class work by other activities	The schedule for the participation of students in the extra curricular activities need to be modified	SIS = 50% SS = 10% PBL = 20% SGD = 10% Tutorials = 10%	Introduced Choice based credit system for 2017-18 batch students





# Faculty of Physical Sciences

## Examination and evaluation

Courses	Formative Assessment	Summative Assessment
B.Sc.(Hons)	1. Assignment 2. Class Test 3. Seminar 4. Presentation 5. Sessional Examination	End term examination conducted by the university (Theory & Practical)
B.Sc.(Non Medical)		
M.Sc.(Chemistry)		
M.Sc.(Physics)		
M.Sc.(Mathematics)		



# Faculty of Physical Sciences

Department	Publications/Books (Last Four Months)	Conferences/ Seminars/ Workshops
Physics	05	02
Chemistry	04	02
Mathematics	02	00
Total:	11	04



# Penal Discussion, INTROMET – 2017 SAC, ISRO, Ahmdabad (7-10 Nov. 2017)





# Educational visit to National Physical Laboratory, New Delhi (September 28, 2017)

## M.Sc. students





# Faculty Development Programme (December 16, 2017)





# Faculty Development Programme (December 16, 2017)





# Faculty of Physical Sciences Induction Programme





# Faculty of Physical Sciences

## Research

Extramural:

- ▶ **1. Title of the Project:** Evaluation and Mitigation of Health effects using Personal Atmospheric Pollution Exposure Monitoring and Modelling
- ▶ **Funding Agency:** SERB, DST
- ▶ SERB, DST
- ▶ Send proposal which is approved by the Experts. Invited for presentation. The proposal presented. Final result awaited
  
- ▶ CO PI : Dr. R.C.Sharma
  
- ▶ 2. A research proposal submitted to CSIR –Smart City
- ▶ PI : Dr. Amal Kumar Saha





## Awards / recognition

- ▶ Invited as Judge/ Evaluator in 25<sup>th</sup> National Children Science Congress- 2017
- ▶ Received a paper for review from IEEE Journal.



# Faculty of Physical Sciences

## Proposed activity in next 2 months

Invited Guest Lectures	03
FDP will be Organized	01
Industrial visits	02
Student's activity outside	01
Journal Publications	5 to 10
Research proposal/ Consultancy (Extramural)	3



# Faculty of Physical Sciences

## Preparedness for next semester

- ▶ Courses distributed to faculty members
- ▶ Time table is final, regular classes commenced from 15<sup>th</sup> January-18
- ▶ Time Table is uploaded on ERP and faculty members has been directed to upload their papers for marking attendance regularly
- ▶ External experts will be invited for extension lectures
- ▶ Educational visits will be organized.
- ▶ PTM will be organized
- ▶ Faculty has been directed to use newer teaching methodologies as per IQAC guide lines in their student teacher learning process.

**Thank you**

