



Event/Activities under Academic Association  
Pre-Event / Completion Report (Tick the  
appropriate one)

#	Scope	Description
1	Faculty	Science
2	Name of Academic Association	Savant Association
3	Title of the Event/Activity	Workshop On Basic Quantum Mechanics
4	Objective of the event	The workshop aimed to provide a comprehensive understanding of the fundamental principles of quantum mechanics.
5	Date – Time/Duration	20/03/2023, 10:30 am to 12:30 pm
6	Place/Venue	318, Block A, SGT University
7	Name of Faculty Coordinator	Dr. MT Beig, Dr. Yogesh Sharma
8	Name of Students' Organizer(s)*1	Kris J Bernard, Bharti
9	Brief Report of the event *2 (should not exceed 500 words)	<p>The Savant Association, Department of Physics, Faculty of Science, SGT University, organized a seminar cum workshop on Basic Quantum Mechanics on March 20, 2023. A welcome address was given by the respectable Dean, Faculty of Sciences, Prof. (Dr.) Lakhwinder Singh. A sapling and memento were presented to Prof. (Dr.) Ajoy Ghatak (former President of The National Academy of Sciences, former Professor of Physics at IIT Delhi. Awardee of CSIR S. S. Bhatnagar Award in 1979) by Prof. (Dr.) Lakhwinder Singh, Dean of the Faculty of Science, Prof. (Dr.) RC Sharma, Dr. Mukesh Kumar, Head of the Department of Physics. UG-PG students and faculty members attended the workshop. The event began at 10:30 am and lasted two hours, ending at 12:30 pm.</p> <p>The workshop was held in two sessions. During the first session, Professor Ghatak provided an overview of the history of Quantum Mechanics, Wave-Particle Duality, the Evolution of Quantum Theory, and the Schrödinger Equation. In the second session topics such as the Dirac-delta function, derivation of the Schroedinger wave equation and solution of free particles were covered. Overall, the workshop was a great success, providing an excellent platform for students and faculty members to learn from a renowned expert in the field and exchange ideas.</p>
10	Role of participating students	Students asked the questions related to Quantum Mechanics. The speaker interacted with students and clarified their doubts.
11	Expected outcome as understood by the students (Bullet points – max of 3-5 points)	<ol style="list-style-type: none"><li>1. Gain a basic understanding of Quantum Mechanics, the history and fundamental principles of the field, including Wave-Particle Duality, the Evolution of Quantum Theory.</li><li>2. Refresh and deepen existing knowledge: For those students who are already familiar with Quantum Mechanics, the seminar served as a refresher and deepen their understanding of the concepts covered.</li><li>3. Opportunities for networking and collaboration: The seminar provided opportunities for students to network and collaborate with other professionals interested in Quantum Mechanics, including researchers and students.</li></ol>
12	Suggestions/Remarks	

\*1 List of Students Participated

\*2 Add photographs with captions

\*1 List of Students Participated

#	Name of Participating Student	Registration #	Department	UG/PG	Semester
1	Chris J Bernald				
2	Rahul				
3	RAHUL				
4	Jagrati				
5	Chhaya bhatia				
6	Anjali				
7	Sakshi				
8	Jagrati				
9	Muskan				
10	Tannu				
11	Netra Bahadur Basnet				
12	Vivek Sharma				
13	Prerna kaushik				
14	Manish				
15	Harsh Kakralia				
16	Ruby Dangi				
17	Chhaya bhatia				
18	Sachin yadav				
19	Nishu				
20	Megha				
21	Bharti				
22	Anjali				
23	Nishu				
24	Megha				
25	Ruby				
26	Sourav Bhardwaj.				

\*2 Add photographs with captions (Total 7 photographs including 2 geo tagged)

#	Insert Photographs/Images
1	 <p>Student Receiving Book Signed by Prof Ajoy Ghatak</p>

2



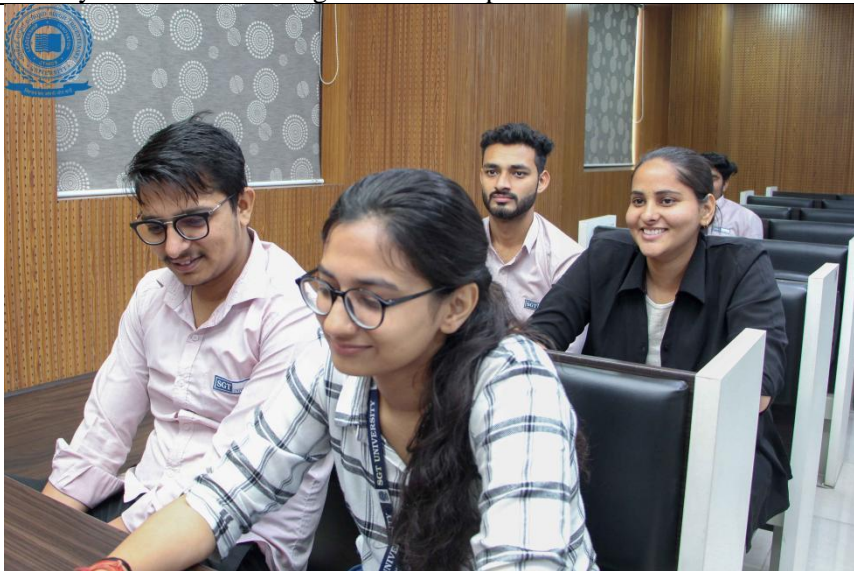
Student Receiving Book Signed by Prof Ajoy Ghatak

3



Faculty Members attending the Workshop cum Seminar

4



Students attending the Workshop cum Seminar

5



	Students taking notes during the Workshop cum Seminar	
6		
	Professor Ajoy Ghatak during the workshop	
7		
	Dean sir with other faculty member presenting sapling to guest of honour	

Advisor / Co-advisor Name: Dr. MT Beig  
/Dr. Yogesh Sharma

Date: 26/3/2023

Please mail the filled information to: ACADEMIC ASSOCIATION ([acad.assoc@sgtuniversity.org](mailto:acad.assoc@sgtuniversity.org)).  
Send the

- 'Pre Event Report' at least a week before the event date
- For 'Completion Report' send the report within a week of the event conducted
- 200 words for media to be attached





# SGT UNIVERSITY

SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY  
(UGC & AICTE Approved) Gurugram, Delhi-NCR

Ref.No. SGTU/FOSC/2023/1309

Dated: 13-03-2023

To

**Prof. (Dr.) Ajoy Ghatak**  
Former Professor, Dept. of Physics  
IIT Delhi, New Delhi

**Subject- Invitation for a Workshop cum seminar on Basic Quantum Mechanics**

Respected Sir,

Greetings of the day!

The Savant Association of Department of Physics, Faculty of Science, SGT University, Gurugram invite you for a workshop cum seminar on Basic Quantum Mechanics on 20<sup>th</sup> March 2023, to motivate and encourage our UG, PG and Ph.D. students. Kindly consider our request for the same.

Thanking you in anticipation.

Thanks and Regards

**Dr. Mukesh Kumar**  
HOD  
Department of Physics  
SGT University, Gurugram



DW/1701  
16/3/23

R-707  
16/3/23

# FACULTY OF SCIENCE

Ref. No: SGTU/FOSC/2023/1312

Date: 15-03-2023

To  
The Registrar  
SGT University  
Gurugram

(Through Proper Channel)

**Subject: Permission to conduct one day workshop cum seminar entitled "Basics of Quantum Mechanics" on 20<sup>th</sup> March, 2023 and approval for honorarium, sapling, memento & hospitality.**

Dear Sir,

It is hereby informed that a workshop cum seminar entitled "Basics of Quantum Mechanics" has been scheduled on 20<sup>th</sup> March, 2023, by Savant Association, Department of Physics, Faculty of Science. In this regard, we need your permission for honorarium to be paid to an external invited speaker (Off-line), sapling, memento and hospitality. The details of the external subject expert is as follow:

S.No	Details of the Expert	Timing
1.	Dr. Ajoy Ghatak, President of the National Academy of Sciences, India, Meghnad Saha Distinguished Professor, former professor IIT Delhi	10:30-11:30 am Session I: Wave particle Duality, Evolution of Quantum Theory and the Schrödinger Equation 11:40-12:40 pm Session II: Simple Solutions of The Schrödinger Equation and their physical interpretations

S.No.	Requirments	Quantity	Amount
1	Honorarium	01	4500
2	Memento	01	800
3	Sapling	01	100
4	High Tea	08	640
5	Lunch (Ambrosia)	07	2100
6	Water Bottle	10	70
7	Photographer	01	-
8	E-banner	01	-

Venue: 318, 3<sup>rd</sup> Floor, A-Block

Thank You  
Sincerely,

Mukesh Kumar  
Head  
Physics, FOSC

Dean Fosc

May be considered for approval please  
we approved  
Registrar  
16/3/23  
SGT University,  
Budhera, Gurugram

16/3/23

Dean  
FOSC  
Faculty of Science  
SGT University  
Budhera, Gurugram  
15/3/2023