

Guru Nanak College, Sri Muktsar Sahib

Activities Report Performa

Session: 2024-25

Name of the Department: Physics

Sponsored by DBT, New Delhi (Under Star College Scheme)

1. Name of the Activity Organized: Expert Talk on Standard Model I and II

2. Date and Venue of the Activity: 05 October 2024. Room no. 21 (Science Block)

3. Name of the Resource Person, Designation and Address: Dr. Navneet Kumar Pruthi,
Assistant Professor, DAV College Sector -10, Chandigarh

4. Objective:

To discuss the methods, challenges, and potential discoveries associated with using photons as a probe for uncovering new phenomena beyond the Standard Model of particle physics. This could include discussing specific experimental techniques, theoretical frameworks, and potential implications for our understanding of fundamental physics.

5. Number and Details of the Participants/ Beneficiaries: Total 120 students participated in Extension Lecture.

Following classes participated: B.Sc. I (N.M.), B.Sc. II (N.M.), B.Sc. III (N.M.) and M.Sc. I,II (Physics) from Guru Nanak College Muktsar

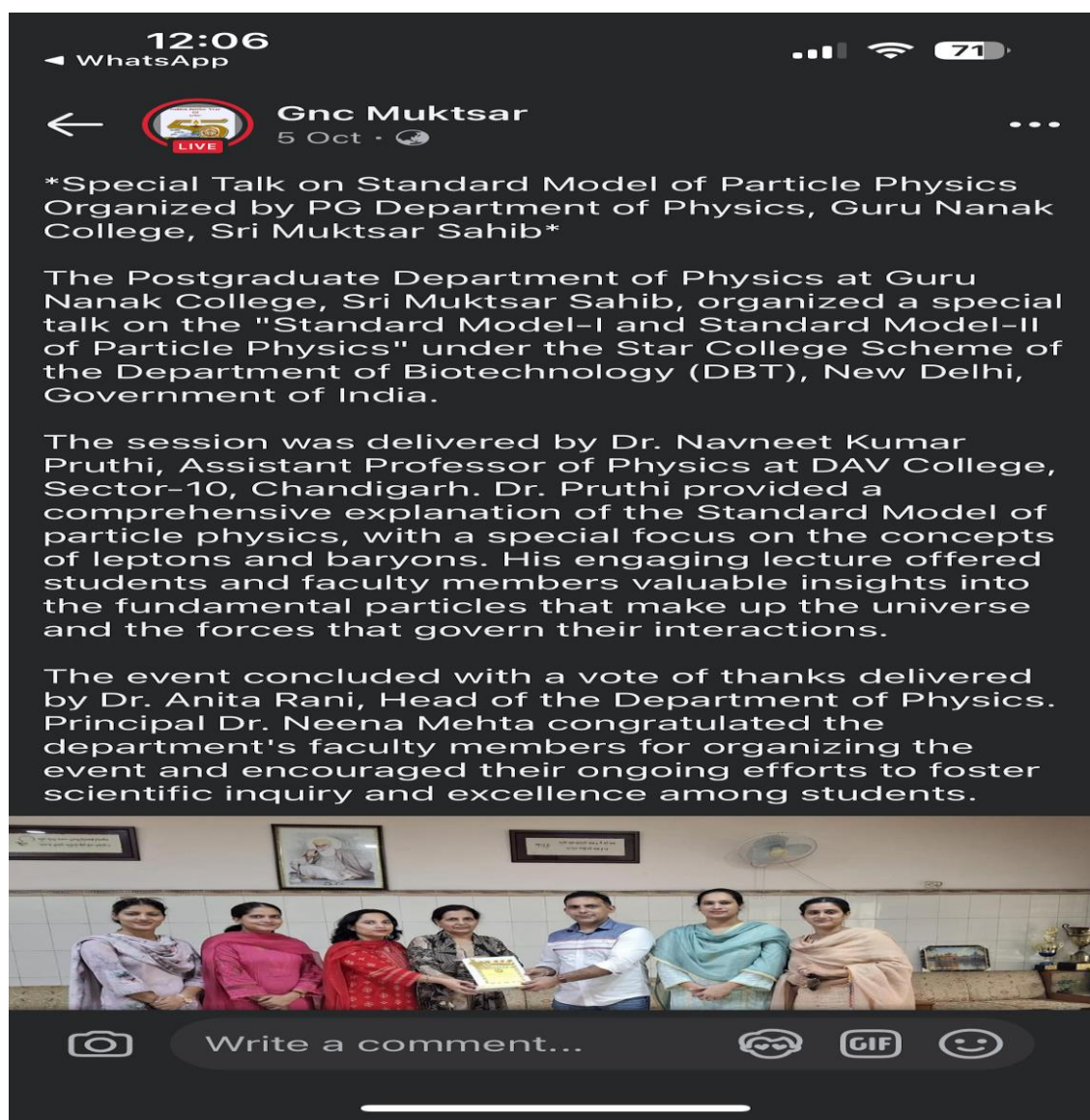
6. Registration/Feedback link: Nil

7. Video/You-tube Link: Nil

8. Outcome of the Activity: Department of Basic Sciences Guru Nanak College, Sri Muktsar Sahib Organized a DBT sponsored one day Expert talk through online mode on the topic “Standard Model ” under star college scheme of DBT, New Delhi on 05 october 2024. Dr. Navneet Kumar Pruthi, Assistant Professor, DAV College Sector -10, Chandigarh delved into the intricate realm of particle physics. Dr. Pruthi's insights shed light on the cutting-edge research being conducted at the LHC and its potential implications for our understanding of the universe. Attendees gained

valuable knowledge about the significance of probing fundamental particles and the innovative methodologies employed in this quest for scientific discovery. Dr. Pruthi's expertise and passion for unraveling the mysteries of the cosmos left a lasting impression on all those in attendance, inspiring further exploration into the fascinating world of particle physics. Dr. Rana Baljinder Kaur congratulated DBT HOD, Dr. Anita Rani, and all the members of the organizing team. Dr. Anita Rani, HOD, Department of Basic sciences, presented a vote of thanks to the resource person and all the organizing team members.

9. Attach Geo Tagged Photographs :





 **GPS Map**
Camera Lite

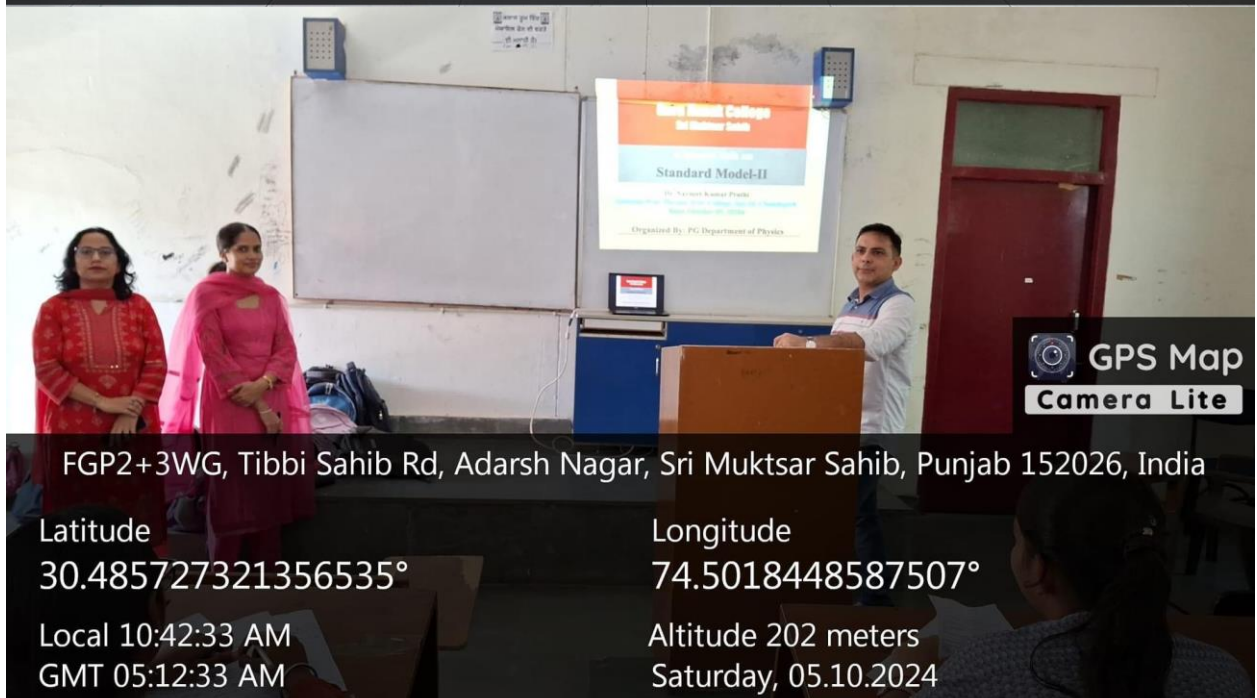
FGP2+3WG, Tibbi Sahib Rd, Adarsh Nagar, Sri Muktsar Sahib, Punjab 152026, India

Latitude
30.48513551708311°

Longitude
74.50165735557675°

Local 10:31:20 AM
GMT 05:01:20 AM

Altitude 202 meters
Saturday, 05.10.2024



 **GPS Map**
Camera Lite

FGP2+3WG, Tibbi Sahib Rd, Adarsh Nagar, Sri Muktsar Sahib, Punjab 152026, India

Latitude
30.485727321356535°

Longitude
74.5018448587507°

Local 10:42:33 AM
GMT 05:12:33 AM

Altitude 202 meters
Saturday, 05.10.2024



10. Members of the Organizing Committee: Dr. Anita Rani, , Ms. Rajveer Kaur, Ms. Sandeep Kaur and Ms. Jeevanjot Kaur

11. Name of the Department Coordinator: Dr. Anita Rani

Dr. Anita Rani
DBT Program Coordinator

Dr. Rana Baljinder Kaur
Principal

