

Rajarshi Shahu Mahavidyalaya, Latur

(Autonomous)

Department of Physics and Electronics

A) A Summary Report of the Activity

1) Title of Programme:		Demonstration of Geiger Muller Counter		
2) Name of Organizing Department:		Physics and Electronics		
3) Name of the Coordinator(s)/		Dr Abhijit Yadav (Convener)		
Convener(s)/ Organizer(s) of the		Dr Dayanand Raje (Organizing Secretary)		
Programme:				
4) Date(s) of the Programme:		26/03/2024		
5) Venue:		General Physics Laboratory		
6) Target Group:		B.Sc. I (Biotechnology)		
7) Number of Participants:		Male	Female	Total
A separate list with	Teaching	05	02	07
signatures be maintained	Non-Teaching			
in the department/Unit)	Students	39	45	84
8) Name(s) and details of Resource		Dr Dayanand Raje		
Person(s), if any:				
9) Total Expenditure for the Programme:		Nil		
10) Source of Funding:		NA		

B) Report

i. Title: Demonstration of Geiger Muller Counter

ii. Introduction:

The demonstration aims to provide participants with a comprehensive understanding of radiation detection principles, crucial for both scientific advancement and public safety. Central to this understanding is the role of the Geiger-Muller (G.M.) counter, a pivotal instrument in the field of radiation detection. By delving into the intricate workings of the G.M. counter, participants will gain insights into its capabilities, limitations, and significance in various scientific endeavors.

iii. Objectives of the Program / issues addressed

- ➤ To equip students with the knowledge, skills, and awareness necessary to comprehend the principles of radiation detection.
- ➤ To appreciate the importance of this technology in safeguarding health, safety, and the environment.

iv. Details of Participants

84 Student (39 Male & 45 Female) participated.

v. Brief Summary of Events/ Sessions

The Bioinstrumentation course for first-year B.Sc. B.T. students include the study of the Geiger Muller Counter System. To supplement theoretical learning with practical experience, the Department organized a demonstration of the Geiger Muller Counter System. Dr. Dayanand Raje conducted an in-depth session discussing the system.

vi. Conclusion, with Feedback on the Programme:

In conclusion, the program provided participants with valuable insights into radiation detection through interactive experiments and visual aids. The demonstration of how the counter registers radiation presence by detecting ionization in a gas-filled chamber was particularly enlightening. Participants were commended for recognizing the ingenuity and importance of the Geiger-Müller counter in the field of radiation detection and measurement.

vii. Any Appendix If Necessary: List of participants

Date: 27/03/2024

Dr Abaijit Yadav

HEAD

Department of Physics & Electronic Rajarshi Shahu Mahavidyalaya,Late

(Autonomous)

Pr Mahadev Gavhane

Principal

Rajarshi Shahu Mahavidyalaya, La

(Autonomous)

C) Photographs



B.Sc. B.T. I Year students assembled in the Physics Laboratory for demonstration



Dr Dayanand Raje discussing about Geiger Muller Counter System

D) Notice:

Dr. Sachin S. Kulkarni (M.Sc., M. phil., Ph.D., DBM) Head of Department Biotechnology, Rajarshi Shahu Mahawidyalaya, Latar (Autonemous) Office: 02382-223445, Celt: +919970849425 Email:headbiotechdivision@gmall.com

Ref. No. RSML/BT/2023-24/279

Date - 25/03/2024

To, Dr. Abhijeet Yadav Head,Dept.of Physics & Electronics Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)-413512

Subject:-Visit to physics department for demonstration of Gieger Miller Counter.

Respected Sir,

I hope this message finds you well. I am writing this to express our student's interest for visiting your department for the demonstration of Gieger Miller Counter. As students of B.Sc. BT I year have one of the practical in their curriculum course of bioinstrumentation.

I assure you of my utmost respect for your time and resources, and I am committed to making the most of this opportunity for mutual learning and exchange.

Thank you for considering my request. I look forward to the possibility of visiting your department and contributing to the advancement of knowledge in our shared field.

Department of Biotechnology Head Department of Biotechnology Rajarshi Shahu Mahavidyalaya



Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Department of Physics & Electronics "Demonstration of G. M. Counter"

Class: B.Sc. BT. I **Attendance Sheet**

Date: 26 | 03 | 2024

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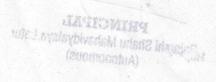
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