



ATMA RAM SANATAN DHARMA COLLEGE

(UNIVERSITY OF DELHI)

Physics with Python

Date of the Program: 6-7 February 2023

No. of Participants: 30 students+ 1 teacher

Organized by: Illuminati Physics Society

Speaker Name with contact Details: Dr. Ashutosh Vishwa Bandhu, Ph: 8800240545. Else all speakers including host were students of physics honors.

The Physics with Python workshop was a comprehensive learning event aimed at introducing the principles of physics using the power of Python programming. Participants were given hands-on experience in simulating various physical phenomena and analyzing real-world data.

The workshop started with the simulation of the Galton board was presented, allowing participants to see how randomness can lead to patterns in physical systems.

Then was the demonstration of projectile motion simulation, which gave participants a deeper understanding of the motion of objects under the influence of gravity.

Next, participants were introduced to the analysis of exoplanet lightcurves. They learned how to use Python to extract important information about exoplanets from their lightcurves and analyze their characteristics. They were also shown how to process FITS images, a common format for astronomical data, and use Python to manipulate and visualize the data.

Finally, the workshop ended with a demonstration of how to build a decision tree model to make predictions in physics. Participants learned how to use this machine learning technique to analyze and make predictions based on physical data.

In conclusion, the Physics with Python workshop provided participants with an interactive and engaging experience in learning the principles of physics. The hands-on demonstrations and activities allowed them to apply the concepts they learned to real-world situations and provided a foundation for further exploration and research in physics.



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Poster

 <p>ILLUMINATI Physics Society Atma Ram Sanatan Dharma College UNIVERSITY OF DELHI Accredited Grade 'A' by NAAC, All India 7th Rank in NIRF(MoE)</p> <p><i>invites you to</i></p> <h1>PHYSICS WITH PYTHON</h1>					
<p>WORKSHOP DETAILS!</p> <p>DATE: 6th & 7th February</p> <p>TIME: 12:30 - 2:30 PM</p> <p>VENUE: Room No 8</p>					
			<p>Scan to register!</p>		
<p>SOCIETY PRESIDENT Devesh Sharma</p>	<p>SOCIETY CONVENER Dr. Raghvendra Pandey</p>	<p>PRINCIPAL Prof. Gyantosh Kumar Jha</p>	<p>SEMINAR CONVENER Dr. Anjani Singh</p>	<p>IQAC COORDINATOR Dr. Vinita Tuli</p>	<p>TIC, PHYSICS Dr. Shankar Subramanian</p>

Photograph





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Attendance

Attendance
⇒ Physics with Python ⇒

1. Anjali 26125	Vyom 26005
Nupur 15509	Diya 26025
Kaushal 26050	Chhavi 26023
Fathima 25555	Swayam 26075
Prachi 26004	Neelekha 26073
Akshita 26063	Dhruv 26080
Utkrish 26082	Gokul 26044
Kansudhi Wani 25079	Sumit 26008
Vascha 25092	
Priya 28057	
Diyansha 28031	
Kunal Verma 25073	
Aman Sagar 25086	
Shastriyham 25087	
Nitish Kumar 25023	
Ashrey 25019	
Devsh Chauhan 25011	
Kanish Choudhary 26072	
Rashika Sahel 26074	
Akshita Kumari 26070	
Twinkle 26006	
Manish 20/01	
SUMIT KUMAR 26035	
Tustar Rana 25064	
Sajal Rana 26120	
NISCHAL CHETTRI 26020	
Smit Kumar 26008	
Siddhant Gunda 15023	



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7-2-23

Attendance

Sr.	Name	Roll no.	Sign
1.	Nandini Agarwal	22/24050	
2.	Nikita	22/24033	
3.	Papni	22/26004	
4.)	Devrats	22/26016	
5.)	Sajal Rana	22/26120	
6.)	Siddharth Bora	22/26084	
7.)	Utkarsh Singh	22/26082	
8.)	Dhruv Verma	22/26080	
9.)	Chhavi yadav	22/26023	
10.)	Aarush Kumar	21/16110	
11.)	Saravish sood	21/15034	
12.)	Shivam Kumar	21/15077	
13.)	Pratham Yadav	21/15085	
14.	SHARADHAN	22/25084	
15.	Aman Sagar	22/25086	
16.	Manish	22/20101	
17.	Nilesh	22/24514	
18.	Aditya	22/25012	
19.	Divyanshi	22/25021	
20.	Arjali	22/26125	
21.	Aniket	22/26067	
22.	Kaushal	22/26050	
23.	Nitesh	22/25023	
24.	Sumit	22/26063	
25.	Sumit	22/26008	
25.	Aaryan Pal	22/26095	

YouTube Links/Facebook live Links/ Instagram Post link:

https://www.instagram.com/p/CoH-K6_y6oM/?igshid=YmMyMTA2M2Y