



BACKWARD CLASS YOUTH RELIEF COMMITTEE'S

BHIWAPUR MAHAVIDYALAYA

BHIWAPUR DIST. NAGPUR- 441201

ACCREDITED WITH GRADE 'B' (CGPA-2.54) BY NAAC, BENGALURU

ISO-9001:2015

AFFILIATED TO RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

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DETAILED REPORT OF THE ACTIVITY

2023-2024

ACADEMIC SESSION	2023-2024		
ORGANIZING INSTITUTION/COLLABORATING INSTITUTIONS	Bhiwapur Mahavidyalaya, Bhiwapur		
NAME OF THE ACTIVITY	Guest Lecture on the topic "Special Theory of Relativity"		
CORE AREAS COVERED	<ol style="list-style-type: none">1. Concept of Space-Time2. Newtonian Relativity3. Special Theory of Relativity4. Time Dilation5. Length Contraction6. Twin Paradox		
SCHEDULE	25 th April, 2024 at 12.00 Noon		
VENUE	Ground Floor, Annex Building		
MODE OF ACTIVITY (ONLINE/OFFLINE (IF ONLINE, GIVE WEBLINK))	OFFLINE		
ORGANIZING COMMITTEE	Department of Mathematics		
CHIEF COORDINATOR	Asst. Prof. Dr. Ravikant Mishra		
COMMITTEE MEMBERS	S. N.	Name of the Committee Members	Designation
	1	Pranali Hatwar	President
	2	Shaijal Shendre	Vice President

	3	Gajanan Lonare	Secretary
	4	Achal Lanjewar	Jt. Secretary
	5	Amanyu Waghmare	Treasurer
	6	Bhumika Malwe	Jt. Treasurer
	7	Priya Devalkar	Member
	8	Daraksha Baig	Member
	9	Saurabh Mangar	Member
	10	Prizam Mandape	Member
	11	Sakshi Samrutwar	Member
KEYNOTE SPEAKER/RESOURCE PERSON/PERSONS (Furnish a Brief Report on the Keynote Speaker's Expertise)	Asst. Prof. Usha Kayarkar G.H. Raisoni College of Engineering, Nagpur		
BENEFICIARIES/TARGET GROUP	B.Sc. Final Year Students		
NUMBER OF STUDENTS/BENEFICIARIES	18		
DETAILED REPORT OF THE ACTIVITY	<p>The Subject Literacy Association of Science Stream, under the auspices of IQAC, organized a Guest Lecture on Mathematics on 25th April, 2024, which covered the topic of 'Special Theory of Relativity'. Asst. Prof. Usha Kayarkar from G.H. Raisoni College of Engineering, Nagpur was the Keynote Speaker. The lecture was aimed to elucidate the fundamental principles and implications of one of the most groundbreaking Theories in Modern Physics.</p> <p>Keynote Speaker Asst. Prof. Usha Kayarkar began</p>		

with an introduction to the fundamental principles of special relativity, including time dilation, length contraction and relativity of simultaneity. She used clear explanations, examples and visual aids to illustrate these complex concepts.

The lecture also covered the Lorentz Transformation, space-time diagrams and the concept of space-time as a unified entity. The Speaker engaged the audience with interactive discussions and addressed questions and doubts raised by the students.

Throughout the talk, Asst. Prof. Usha Kayarkar kept the audience engaged with her knowledge and creative approaches to mathematical difficulties.

Asst. Prof. Dr. Ravikant Mishra, Head, Department of Mathematics, was the Programme Coordinator.

Ms. Namoshree Choudhari conducted the proceedings of the Programme. Ms. Pranali Hatwar proposed the formal Vote of Thanks.

In all, 18 students from the Department of Mathematics marked their attendance in the programme.

PROGRAMME OBJECTIVES

- To enhance the understanding of students about the Special Theory of Relativity.
- To provide the students with the opportunity to learn from an expert in the field of Mathematics and Physics.
- To stimulate interest in advanced and contemporary topics in Physics among students.

	<ul style="list-style-type: none"> • To address and clarify students' questions or doubts.
PROBLEMS FACED, IF ANY	<p>Complexity of the Topic: The concepts of special relativity are complex, due to which, some students faced difficulties in grasping without sufficient background knowledge.</p> <p>Engagement Levels: Keeping students engaged throughout the lecture, especially when the content was highly technical and theoretical.</p>
IMPACT/OUTCOME ACHIEVED	<ul style="list-style-type: none"> • Enhanced the understanding of students about the Special Theory of Relativity. • Provided the students with the opportunity to learn from an expert in the field of Mathematics and Physics. • Stimulated interest in advanced and contemporary topics in Physics among students. • Addressed and clarified students' questions or doubts.
ANALYSIS REPORT OF THE FEEDBACK OBTAINED FROM STUDENTS/ BENEFICIARIES/ ACADEMIC PEERS ETC.	<p>Feedback was collected from the participants and majority of them appreciated the Institution's efforts and expressed strong desire to have more such initiatives in the future.</p>

**Bhiwapur Mahavidyalaya, Bhiwapur
Department of Mathematics
Organizes
Guest Lecture on "Special Theory of Relativity"**

Name of Students: Poojali Dilip Hakoo

Name of College: Bhiwapur Mahavidyalaya Bhiwapur

Class: BSc 3rd year Whatsapp No. _____

Please Tick the option you find more suitable

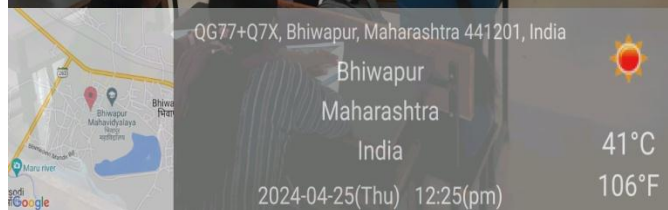
Sr. No.	Particular	Extremely Good	Good	Quite Good	Poor
1.	Arrangement of Programme	<input checked="" type="checkbox"/>			
2.	Lecture delivered by the Guest		<input checked="" type="checkbox"/>		
3.	Are you satisfied with the content of lecture?"	<input checked="" type="checkbox"/>			
4.	Topics covered in lecture	<input checked="" type="checkbox"/>			

Suggestions if any _____

Poojali
Signature of Participant

GEOTAG PHOTO GALLERY WITH CAPTIONS (Only GEOTAG photos covering the entire gamut/span of the activity will be accepted)

The Keynote Speaker Asst. Prof. Usha Kayarkar gracing the Dias along with Asst. Prof. Ravikant Mishra, Head, Department of Mathematics.



**Asst. Prof. Usha Kayarkar delivering her
Keynote Address.**



**Asst. Prof. Usha Kayarkar and Asst. Prof. Dr.
Ravikant Mishra are engaged in a Doubt
Clearing Session**



Ms. Pranali Hatwar proposing the formal Vote of Thanks.



Students from the Department of Mathematics witnessing the Event.



SCANNED COPY OF ATTENDANCE SHEET

BHIWAPUR MAHAVIDYALAYA, BHIWAPUR
Department of Mathematics
Guest Lecture on "Special Theory of Relativity"
Session: 2023-24
ATTENDANCE LIST

Sr. No.	Name of Student	Class	Sign
1	Namashree Sushil Chaudhari	B.Sc 3 rd year	<i>[Signature]</i>
2	Pranali DUSP Hetevale	BSC 3 rd year	<i>[Signature]</i>
3	Aishwarya Genudeo Dahule	BSC 2 nd year	<i>[Signature]</i>
4	Seema Rajeshwar Balbudhe	BSC 3 rd year	<i>[Signature]</i>
5	Zeel vijay Rohankar	BSC 3 rd year	<i>[Signature]</i>
6	Nikita Vilas Thakare	BSC 3 rd year	<i>[Signature]</i>
7	Pratiksha Someshwar Bhajbhuj	BSC 3 rd year	<i>[Signature]</i>
8	Jashra Bhaskar Vaichya	BSC 3 rd year	<i>[Signature]</i>
9	Ragini Ramdas Bhusari	BSC 3 rd year	<i>[Signature]</i>
10	Ashwini Muelidhar Kakde	BSC 3 rd year	<i>[Signature]</i>
11	Dipak Arun Mongrudkar	BSC 3 rd year	<i>[Signature]</i>
12	Vedant Sunil Pal	B.Sc III rd yr	<i>[Signature]</i>
13	Lokesh Balkrishna Malode	BSC III rd yr	<i>[Signature]</i>
14	Kunal Bhaskar Malode	BSC III rd year	<i>[Signature]</i>
15	Ankit Vhanayak Ambedkar	BSC III rd year	<i>[Signature]</i>
16	Punit Rajeshwar Malode	BSC III rd year	<i>[Signature]</i>
17	Ritik Arun Tambe	BSC III rd year	<i>[Signature]</i>
18	Prabhu Yuvraj Borkar	BSC III rd year	<i>[Signature]</i>

Principal
Bhiwapur Mahavidyalaya