Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Biotechnology
A) Summary Report

1)Title of Programme:		**A Nobel Laureate Lecture on National Science Day**		
2)Name of Organizing Department/Unit:		Biotechnology		
3) Name of the Coordinator(s)/Convener(s)/Organizer(s)of the Programme:		Principal: Dr. M. H. Gavhane Vice–Principal : Prof. S. N. Shinde Head: Dr. S.S. Kulkarni		
4)Date(s) of the Programme:		28th February, 2023		
5)Venue/Mode:		Seminar Hall		
6)Target Group:		B.Sc. Biotechnology Students		
7)Number of Participants: 119		Male	Female	Total
A separate list with signatures be maintained in the department/Unit)	Teaching	00	00	00
	Non-Teaching	00	00	00
	Students	60	59	119
8)Name(s)and details of Resource Person(s), if any:		Miss. Karuna Komatwar, Asst. Prof Dept. of Biotechnology and Food Processing Technology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur.		
9)Total Expenditure for the Programme:		Nil		
10)Source of Funding:		Not Applicable		

B) Report

i. Title: A Nobel Laureate Lecture on National Science Day

ii. Introduction

C.V. Raman was awarded the 1930 Nobel Prize in Physics for his discovery of the Raman effect, in which light that passes through a material is scattered and the wavelength of the scattered light is changed because it has caused an energy state transition in the material's molecules. The Guest Lecture on Nobel Laureate aims to help the students gain knowledge regarding new theories in the field of science. The Lecture on Nobel Laureate was organized by Department of Biotechnology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur on 28.02.2023

iii. Objectives of the Programme/issues addressed

- To explain the response to heat and touch according to the theories of scientists.
- To conduct interactive session for students with speaker to explain valuable knowledge in the field of science.
- To provide quality education which will not only help in intellectual growth but also help the students to become responsible adults.
- To promote education and research in Biotechnology.

iv. Details of Participants

119 participants (60 Male and 59 female) attended

v. Brief Summary of Events/Sessions

Department of Biotechnology and Food Processing Technology conducted a Guest Lecture on Nobel Laureate. Ms. K. S. Komatwar conducted a lecture on concept called “Raman Effect”.

Raman scattering or the Raman effect is the inelastic scattering of photons by matter, meaning that there is both an exchange of energy and a change in the light's direction. Typically this effect involves vibrational energy being gained by a molecule as incident photons from a visible laser are shifted to lower energy. This is called normal Stokes Raman scattering. The effect is exploited by chemists and physicists to gain information about materials for a variety of purposes by performing various forms of Raman spectroscopy. Many other variants of Raman spectroscopy allow rotational energy to be examined (if gas samples are used) and electronic energy levels may be examined if an X-ray source is used in addition to other possibilities. More complex techniques involving pulsed lasers, multiple laser beams and so on are known.

Light has a certain probability of being scattered by a material. When photons are scattered, most of them are elastically scattered (Rayleigh scattering), such that the scattered photons have the same energy (frequency, wavelength and color) as the incident photons but different direction. Rayleigh scattering usually has an intensity in the range 0.1% to 0.01% relative to that of a radiation source. An even smaller fraction of the scattered photons (approximately 1 in 1 million) can be scattered inelastically, with the scattered photons having an energy different (usually lower) from those of the incident photons, these are Raman scattered photons. Because of conservation of energy, the material either gains or loses energy in the process.

Ms. Karuna Komatwar, Asst. Prof. conducted a guest lecture on Nobel Laureate on the occasion of National Science day so as to make students aware about the new concepts and the way of thinking of scientists in a unique way and gain Nobel prize by their intellectual thinking.

vi. Conclusion, with Feedback on the Programme

The lecture covered the theory behind the topic for receiving Nobel prize to the Dr. CV Raman in 1930. The seminar was beneficial to undergraduate students of biotechnology which will help them to think in a creative manner that will gloss their future with good opportunities.

vii. Appendix: List of Participants

Date: 01/03/2023

HoD
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Department of Biotechonlogy
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Rajarshi Shahu Mahavidyalaya, Latur (Autonomous)

Principal
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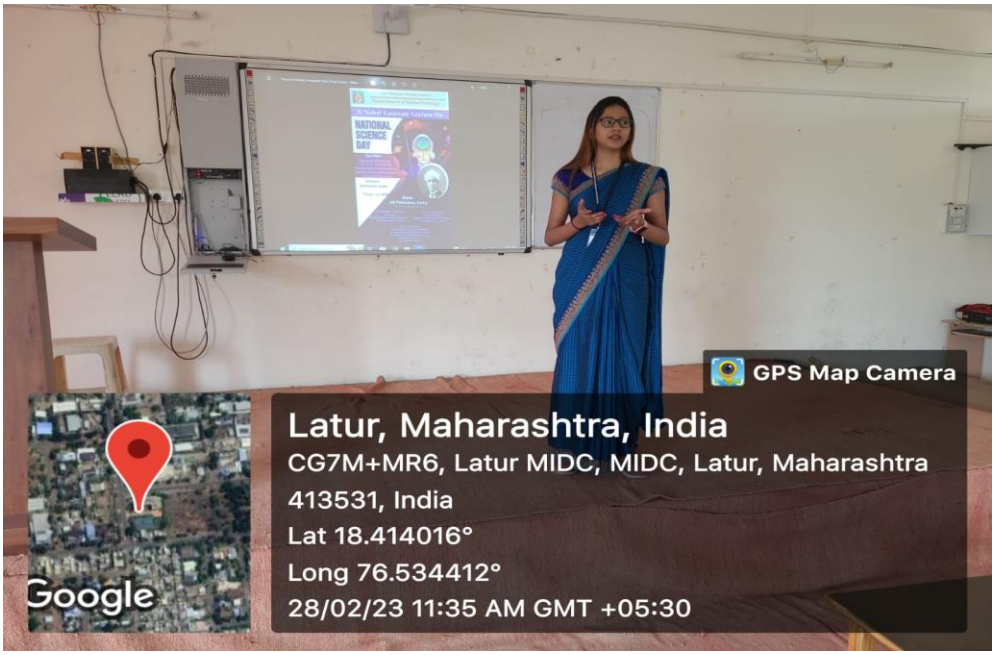
C) Geotagged Photographs/ screenshots:



Asst. Prof. Ms. Karuna Komatwar of Dept. of Biotechnology and Food Processing Technology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur is delivering a lecture on Nobel Prize in Physics to Dr. CV Raman in 1930

Asst. Prof. Ms. Karuna Komatwar of Dept. of Biotechnology and Food Processing Technology, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur, explaining about the Raman Scattering Effect on National Science Day

D) Brochure Prepared for the Programme

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Biotechnology and Food Processing Technology
A Nobel Laureate Lecture on National Science Day
List of Participants

Sr.No	Name of the Student	Class	Signature
1.	Aniket Shivaji Bhosale	B.Voc FPT Y.	
2.	Jadhav Vikas Dattatray	B.Voc. FPTS.Y.	Vikas
3.	Kuber Adith Dhananjay	MSc BT SY	Adithi
4.	Mali Sujata Mahesh	MSc BT SY	
5.	Narhare Vaishnavi Vishnu	MSc BT SY	Vaish
6.	DAwane A. S	MSC. IInd	
7.	Kalyani Sancheti Dayanand	Bsc IInd yr	Sanchetik
8.	Tenkale Nikita Ashok	BSC II yr	Nikita
9.	Babji Shruti Kishor	BSC II yr	Shruti
10.	Fazdeen Asif Shaikh	Bsc. II yr	
11.	Mane Vaishnavi Satish	IInd yr.	
12	Bardale Rutuja Baswaraj	IInd yr.	Rutuja
13	Swami Shivpuja Sanjay	II yr	Swami
14	Kolewad Sneha Santosh	II yr	
15	Gayatri Maruti Suryawanshi	I st yr	Gayatri
16	Rutuja Dilip Kasle	I st yr	Rutuja
17	Sneha Ramakant Bote.	I st yr	Sneha
18	Sanvi Angad Nirmale	I st yr	Sanvi
19	Abha Fatehbahadur shukla	I st yr	Abha
20	Vaishnvi Dilip Patil	I st yr	Vaishu
21	Rushikesh Raju Bukate	I st yr	Rushikesh
22	Lakshman Tulshiram Badgane	I st yr	Lakshman
23	shreedatta Abimanyu Bhakare	I st yr	Shree
24	Ruchita Govind Bolegave	I st yr	Ruchi
25	Ahilya Eknath Kaspate	—11—	AHILYA
26.	Shubham Anil Mohite	—11—	Shubh
27.	Ganesh Dyaneshwar Macharla	—11—	Ganesh
28.	Aniket shankar Gadade	—11—	Aniket
29.	Mane Rohini Ramesh	—11—	Rohini
30.	Ankita suresh shinde	—11—	Ankita
31	Sheikh Mohammad Juned	IIIrd yr	Zeljeems
32.	Mengshette Vaishnavi Santosh	IIIrd yr	Vaishu
33.	Kadam Krushna Manik	IInd yr B.Voc	Krishna.
34)	Suryawanshi Damyaneshwar Kisan	BSc IIIrd yr	
35)	Kasbe Madhu ganesh	Bsc IIIrd	Madhu
36)	Bhosale sneha siddeshwar	—11—	Sneha
37)	Kamble Abhishek Suraj	B.Sc IIIrd	Abhishek
38	Nade Ashlesha Anil	M.Sc. BT IInd	Ashlesha
39	Pawar Sanjivani Suresh.	B.Sc BT III	

40	Bhakti Rameshwar Mirje	BSC III yr	[signature]
41	Lakamote Nikita balaji	MSC I yr	[signature]
42	Mane Maya Dharmraj	M.Sc. I	[signature]
43	Sarange Pratiksha Ganesh	M.Sc. I	[signature]
44	Suryavase Anuja Hanmant	MSC I	[signature]
45	Salunke Mrunal Raosaheb	MSC I	[signature]
46	Mandale Prajakta Fulchand	MSC. I	[signature]
47	Pratiksha Rajkumar Bhalke	MSC I	[signature]
48.	Lohakare Yogyashri Ankush	MSC. Ist	[signature]
49	Gate Shivani Samadhan	M.SC. Ist	[signature]
50	Dhamale Ram Panditrao	MSC Ist	[signature]
51	Chavan Vedant Ram	MSC Ist	[signature]
52	Ghotale Aniket Dhananjay	—"—	[signature]
53)	Dhupkar Aditya Gajanan	—"—	[signature]
54	Bagade Avinash Gajanan	—"—	[signature]
55	Kulkarni Padmakar Nandkumar	MSC. Ist	[signature]
56	Borkar Vijay Vitthal	MSC. 2 yr	[signature]
57.	Bombade Neha Mahadev	MSc BT I	[signature]
58	Sayyed Akbar T.	M.Sc BT I	[signature]
59	Dhaygude Pruthviraj R.	—"—	[signature]
60	Pethe Vaishnavi Rajkumar	—"—	[signature]
61	Sankaye Shambhavi Somnath	—"—	[signature]
62	~~Mulajkar~~ Mulajkar Mahesh. D	—"—	[signature]
63	Aditya Dhananjay Kulee	BSc. BT III	[signature]
64	Sakshi Vijaysing Rajput	MSC. BT I	[signature]
65	Shivani Samadhan Gate	MSC. BT I	[signature]
66	Sangmitra Balaji Mahalinge	MSC. BT I	[signature]
67	Gurav Sourav Bhalchandra	M.Sc. BT I	[signature]
68	Kulkarni Parth Milind	B.SC BT III	[signature]
69	Vaishnavi Nagesh Bawge	BSC BT III	[signature]
70	Vaishnavi Satish Mane	BSC BT III	[signature]
71	Iram Pathan	BSC BT III	[signature]
72	Rakhi Gaikwad	BSC. BT III	[signature]
73)	Junaid Shaikh	BSC. BT III	[signature]
74)	Digambar Shaik	BSC. BT III	[signature]
75)	Mane Sachin	III	[signature]
76)	Badagane Laxman Tulshiram	BSc. BT I	[signature]
77)	Bhusare Rushikesh Ram	—"—	[signature]
78)	Pathan Aebaj Ajijkhan	BSc. BT, IInd	[signature]
79)	Taglure Bilal Mehbubsaab	—"—	[signature]
80)	Watwate Shantanu	—"—	[signature]
81)	Bukate Rushikesh	—"— I yr	[signature]
82)	Tanaya Naikwadi	II yr	[signature]
83)	Ankita Rauwar	I yr	[signature]

84)	Kavathe Mohini Ganpat	MSc 1st yr	Kvath
85	Kawthe Sanjivani Bhagwat	MSc 1st Yr	Kawthe
86)	Shweta Sharad Pawar	MSc I	Shweta
87)	Gadde Amruta Dattatray	BSc BT II	[illegible]
88)	Pundkare Sanskruti Sahebrao	BSc BT III	[illegible]
89)	Samukhrao Pooja Machindra	BSc BT III	[illegible]
90)	Shruti Purroshottum Pande	BSc BT II	Shruti
91)	Prajwal Kamble	BSc BT II	Praj
92)	Prajwal Picche	—"—	Prahe
93)	Saundale Ashwini D	MSc BT II	[illegible]
94)	Wadgaonkar Prashant S.	BSc III	[illegible]
95)	Nalawade Bhimashankar R.	—"—	[illegible]
96)	Kodale Prachi Karan	—"—	[illegible]
97)	Kendre Anjali Anil	—"—	Anjali
98)	Gaikwad Shailaja Shahaji	BSc BT III rd	Shailaja
99)	Shinde Mahesh Gopal	—"—	[illegible]
100)	Shelke Digambar Balu	—"—	[illegible]
101)	Gayakwad Gaurav Navkar	—"—	[illegible]
102)	Ganesh Dnaneswer Bembde	—"—	Ganesh
103)	Suraj Bhagvat Bolegave	—"—	Bolegave
104)	Adinath Lalaji Dhande	—"—	Dhande
105)	ITKAR SACHIN RAJU	—"—	[illegible]
106)	Jadhav Saurabh Suresh	—"—	[illegible]
107	Phad Pallavi Ganesh	BSc BT 3rd y	[illegible]
108)	HANCHATE ATHARVA R.	—"—	Hanchat
109	Khot Parth Nandkishor	Bsc BT-3rd y	Parth
110	Durga S Thakur Deshmukh	BSC Bt 3rd	[illegible]
111	Anuja A Patil	BSC Bt 3rd	Patil
112)	Kamble Durga Y.	—"—	Durga
113)	Rajehal Prachi R.	—"—	[illegible]
114)	Chute Manisha Tanaji	—"—	Manisha
115)	Sonali Sagar	—"—	Sonali
116)	Maktedar Nayan B.	M.Sc BT II	[illegible]
117)	Gutte Suraj J.	BSc BT I y	Suraj
118)	Kapre Amruta Balaji	MSc BT I Yr	BKapre
119)	Gumme Pooja Shatrughan	MSc BT I Yr	[illegible]

Head
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