



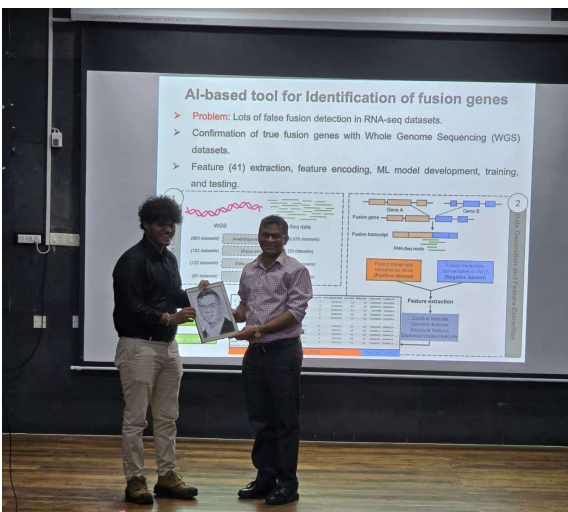
Goa University

Discipline of Biotechnology, School of Biological Sciences and Biotechnology

*Talk on: Application of Machine Learning and Artificial Intelligence in
Biological Sciences.*

1. Title of the Event/Activity/program	Application of Machine Learning and Artificial Intelligence in Biological Sciences.
2. Date and Time	28 th November 2025, 11.30 a.m. to 12:30 p.m.
3. Mode of conduct (Physical/Online)	Physical Mode.
4. School/ Directorate/ Section	School of Biological Sciences and Biotechnology, Goa University
5. Collaborating Agency/School/Directorate	-
6. Detail of the Resource Person (Brief biodata)	Dr. Shailesh Kumar, Staff Scientist, BRIC- National Institute of Plant Genome Research, New Delhi
7. Number of Faculty attended/participated	8
8. Number of Student attended / participated	75
9. No. of external students/faculty/other participants	-
10. The objectives of the Program/activity/event	<ul style="list-style-type: none">• Present recent advances in genomics and big-data analytics.• Show how ML/AI models solve key problems in biological research.• Explain practical workflows for

	<p>handling and interpreting large biological datasets.</p> <ul style="list-style-type: none"> • Motivate interdisciplinary thinking at the biology–data science interface. • Motivate and make aware student about the recent trends in AI/ML.
11. Description of the Program/activity/event	<p>The session commenced with the introduction of Dr. Shailesh Kumar, by the member of the Biotechnology students' club, "Biohaven."</p> <p>Dr. Kumar began his talk by introducing how data-driven methods are transforming modern biology. He highlighted key ML and AI approaches used to analyze genomic, transcriptomic, and imaging datasets, and demonstrate their role in predicting gene function, identifying biomarkers, and accelerating biological findings. The session also outline practical strategies for handling large datasets and discuss emerging AI tools shaping future research. The aim was to provide participants with a concise yet insightful view of how computational intelligence is reshaping biological inquiry and innovation. The talk concluded with an engaging question-and-answer session, followed by a vote of thanks and the presentation of a token of appreciation to Dr. Kumar.</p>
12. Benefit/Key outcomes of the Program/activity/event	<ul style="list-style-type: none"> • Better understanding of ML/AI applications in genomics. • Idea about handling and interpreting big biological datasets. • Awareness of advanced AI tools for discovery workflows. • Stronger ability to design interdisciplinary computational projects. • Increased motivation to integrate data-driven methods in research.
13. Enclosures with report	<p>Photographs of the event and the attendance are attached below.</p>



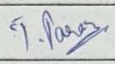
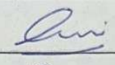
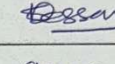
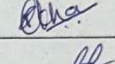
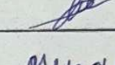
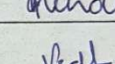
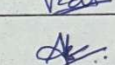
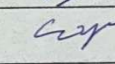

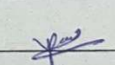
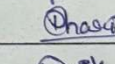
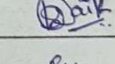
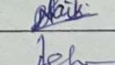
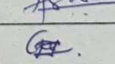
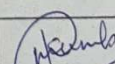
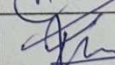
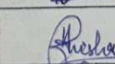
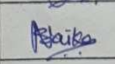
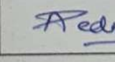
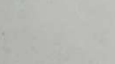
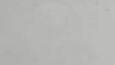
Title of the talk: Application of Machine Learning and Artificial Intelligence in Biological Sciences

Resource person: Dr. Shailesh Kumar, Staff Scientist, BRIC- National Institute of Plant Genome Research, New Delhi

Date: 28-11-2025

Time: 11.30 AM to 12:30 PM

Venue: Block- E, Biotechnology Seminar Hall, Goa University

Sr. No	Name	Discipline	Signature
1	Tanusha Paraz	Biotech, SBSB	
2	Suridnya Kamat Mhamai	Biotech, SBSB	
3	Savi Raut Dessai	Biotech, SBSB	
4	Jirdouse Khanam	Biotech, SBSB	
5	Musoffa Shaikh	Biotech, SBSB	
6	Gladyx Mendonza	"	
7	Varda Pednekar	"	
8	Apurwa Kavlekar	MBT, SBSB	
9	Saniya Kansara	MBT, SBSB	
10	Triveni Pathod	MBT, SBSB	
11	Vaishnavi Patelkar	GBT, SBSB	
12	Prashila Chasui	GBT, SBSB	
13	Siya Naik	GBT, SBSB	
14	Savi Naik	GBT, SBSB	
15	Ashni & Shenvi Kerkar	MBT, SBSB	
16	Ganesh Ghadage	MBT SBSB	
17	Mahesh Kumbhari	GBT- SBSB	
18	Kundan Kumar Kumbhar	MBT- SBSB	
19	Anisha Gaekwad	Botany- SBSB	
20	Swika Naik	"	
21	Aarti Pednekar	"	

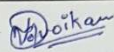
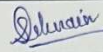





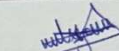
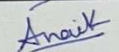

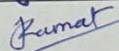
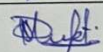
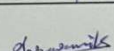


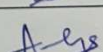


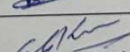

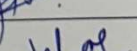
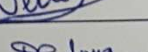
Title of the talk: Application of Machine Learning and Artificial Intelligence in Biological Sciences

Resource person: Dr. Shailesh Kumar, Staff Scientist, BRIC- National Institute of Plant Genome Research, New Delhi

Date: 28-11-2025

Time: 11.30 AM to 12:30 PM

Venue: Block- E, Biotechnology Seminar Hall, Goa University

Sr. No	Name	Discipline	Signature
22.	Manasi Do Volvoikar	MSc. Botany Part 1	
23.	Nurain Shah	MSc. Botany Part 1	
24.	Sadichha Tari	MSc. Botany Part 1	
25.	Mustafa Latifnavar	MSc Botany Part 1	
26.	Rezwana Khan	" " "	
27.	Raj Nayak	" " "	
28.	Frevinga D'Costa	Msc Botany P.1	
29.	Mahima H. Gaunkar	M.Sc Botany Pt 1	
30.	Archana Naik	" " "	
31.	Frejoval Souza	" " "	
32.	Juhi kamat	" " "	
33.	Deepthi Naik	" " "	
34.	Shravani Kulkarni	MSc Biotechnology	
35.	Louette Liguiera	Botany, SBSB	
36.	Sania Botelho	Marine Microbio, SEDAS	
37.	Aishwarya A. Gaude	Botany, SBSB	
38.	Shital Desai	Botany SBSB	
39.	Allan Almerda	Botany SBSB	
40.	Gunjan G. Kerkar	Botany SBSB	
41.	Pranyati M. Gaunkar	Botany SBSB	
42.	Neha Sharma	M.Sc Botany Part 2	
43.	Pradnya Dichekhar	M.Sc. Botany Part II	

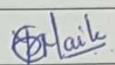
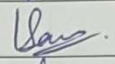
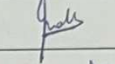
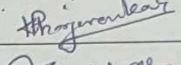
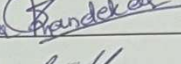
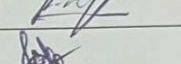
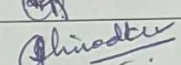
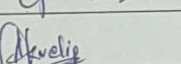
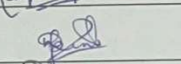
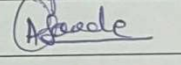

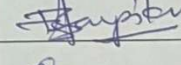
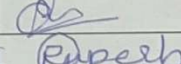
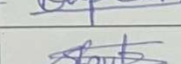
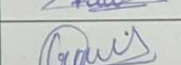
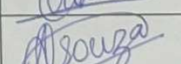
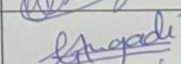
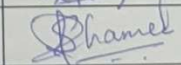
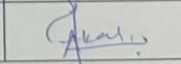
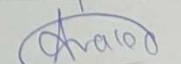
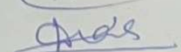
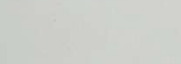

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Resource person: Dr. Shailesh Kumar, Staff Scientist, BRIC- National Institute of Plant Genome Research, New Delhi

Date: 28-11-2025

Time: 11.30 AM to 12:30 PM

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Sr. No	Name	Discipline	Signature
44.	Yousha D. Naik	Msc. Biotechnology	
45	Dr. Varada S Damare	SEAS, Mar Micobal	
46.	Dr. Judith Noronha	Microbiology, SBSB	
47	Preeti Khogjurenkar	CST GBS	
48.	Snehal Chandekar	SCS, Research Scholar	
49	R. N. Shirpat	SCS, Physical Chemistry	
50.	Dr. Dhillan M. Velip	Botany, SBSB	
51.	Amisha Shirodker Pednekar	Botany, SBSB	
52.	Anisha Velip	Botany, SBSB Part II	
53.	Wileshka Pinto	Botany Part - II SBSB	
53	Anisha Louale	Botany Part II SBSB	
55	Amisha Sakhalakar	Botany Part II SBSB	
56	Dhiraj Tapitkar	Botany Part II	
57	Chadeti Sudher	Zoology Msc part II	
58	RUPESH G. DOIFODE	Zoology Msc Part II	
59	SHIVAM S. RAUT	" "	
60	Grazia Luis	" "	
61	Anisha De Souza	" "	
62	Geeta Angadi	MSc Zoo Part II	
63	Shahana K. Ahmed	MSc Zoo Part II	
64	TANVI S. AMONKAR	MSc Zoo Part II	
65	Aaron raios	" "	
66	Linoshka Dias	" "	

Title of the talk: Application of Machine Learning and Artificial Intelligence in Biological Sciences

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Sr. No	Name	Discipline	Signature
67	Amit Vernekar	Botany/SBSB	Avernekar
68	Anusha Shankar	"	Anusha
69	Vidhi Pandya	"	Vidhi
70	Aamir Ashraf	"	Aamir
71	Nijati Kurikar	Botany	Nijati
72	Ranjani Shirodkar	"	Shirodkar
73	Mousumi Biswas	"	Mousumi
74	Rey Gaonkar	"	Rey
75	Prashal Gaonkar	Botany	Prashal
76	Braydon Dias	Zoology	Braydon
77	Ms Gandhita V. Kundaikar	Zoology	Gandhita
78	Sumaiyah Khan	Microbiology	Sumaiyah
79	Dr. Vikash Yadav	Biotechnology	Vikash
80	Ms. Shesha Bhomkar	"	Shesha

Signature

Coordinator: Dr. Vikash K. yadav

Designation: Ast. Prof.


10/12/2025

Signature

Dean, SBSB

Seal/Stamp

Dean of School of Biological Sciences
& Biotechnology
Goa University, Goa - 403206