



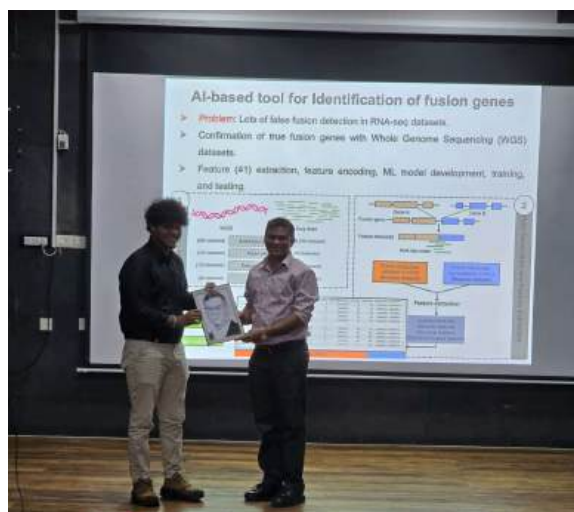
Goa University

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	• Present recent advances in genomics and big-data analytics. • Show how ML/AI models solve key problems in biological research. • Explain practical workflows for

	handling and interpreting large biological datasets. • 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	The session commenced with the introduction of Dr. Shailesh Kumar, by the member of the Biotechnology students' club, "Biohaven." 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.
12. Benefit/Key outcomes of the Program/activity/event	• 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	Photographs of the event and the attendance are attached below.



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	T. Paraz
2	Suridnya Kamat Mhamai	Biotech, SBSB	Suridnya
3	Savi Raut Dessai	Biotech, SBSB	S. Raut
4	Jirdouse Khanam	Biotech, SBSB	J. Khanam
5	Munaffa Sharikh	Biotech, SBSB	M. Sharikh
6	Glady's Mendonza	"	G. Mendonza
7	Varsha Pednekar	"	V. Pednekar
8	Apurva Kavlekar	MBT, SBSB	A. Kavlekar
9	Saniya Kansara	MBT, SBSB	S. Kansara
10	Triveni Palkud	MBT, SBSB	T. Palkud
11	Vaishnavi Patil	GBT, SBSB	V. Patil
12	Prashila Chavli	GBT, SBSB	P. Chavli
13	Siya Naik	GBT, SBSB	S. Naik
14	Savi Naik	GBT, SBSB	S. Naik
15	Ashvi & Shenvi Kerkar	MBT, SBSB	A. Kerkar
16	Ganesh Ghadage	MBT, SBSB	G. Ghadage
17	Mahesh Kumbhar	MBT, SBSB	M. Kumbhar
18	Kundan Kumar Kumbhar	MBT, SBSB	K. Kumbhar
19	Anisha Gaekwad	Botany - SBSB	A. Gaekwad
20	Sanika Naik	"	S. Naik
21	Aarti Pednekar	"	A. Pednekar

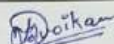
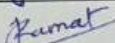
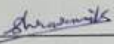
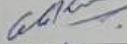
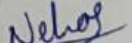
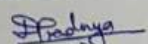
Title of the talk: Application of Machine Learning and Artificial Intelligence in Biological Sciences

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 Valvohkar	MSc. Botany Part 1	
23.	Nurgain Shah	MSc. Botany Part 1	
24.	Sadichha Taxi	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 Albuquerque	Botany, SBSB	
36.	Sania Botelho	Marine Microbio, SEDAS	
37.	Aishwanya A. Gaud	Botany, SBSB	
38.	Shital Desai	Botany SBSB	
39.	Allan Almerda	Botany SBSB	
40.	Gurjon G. Kerkar	Botany SBSB	
41.	Pruyali M. Gaunkar	Botany SBSB	
42.	Neha Sharma	M.Sc. Botany Part 2	
43.	Pradnya Dichekhar	MSc Botany Part II	

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44.	Yousha D. Naik	Msc. Biotechnology	<u>Y. Naik</u>
45	Dr. Varada S Damare	SEAS, Mar Micobal	<u>V. Damare</u>
46.	Dr. Judith Noronha	Microbiology, SBSB	<u>J. Noronha</u>
47	Preeti Khorgurkar	CST GBS	<u>P. Khorgurkar</u>
48.	Snehal Chandekar	SCS, Research Scholar	<u>S. Chandekar</u>
49	R. N. Shipat	SCS, Physical Chemistry	<u>R. N. Shipat</u>
50.	Dr. Dhillan M. Velip	Botany, SBSB.	<u>D. Velip</u>
51.	Amisha Shirodkar Pednekar	Botany, SBSB	<u>A. Shirodkar</u>
52.	Anisha Velip	Botany, SBSB Part II	<u>A. Velip</u>
53.	Wileshka Pinto	Botany Part - II SBSB	<u>W. Pinto</u>
53	Anisha Louale	Botany Part II SBSB	<u>A. Louale</u>
55	Amisha Sakhalakar	Botany Part II SBSB	<u>A. Sakhalakar</u>
56	Dhiraj Tarpitkar	Botany Part II	<u>D. Tarpitkar</u>
57	Chaiti Sudher	Zoology Msc part II	<u>C. Sudher</u>
58	RUPESH G. DOIFODE	Zoology Msc Part II	<u>R. Doifode</u>
59	SHIVAM S. RAUT	" "	<u>S. Raut</u>
60	Grazia Luis	" "	<u>G. Luis</u>
61	Anisha De Souza	" "	<u>A. De Souza</u>
62	Geeta Angadi	MSc Zoo Part II	<u>G. Angadi</u>
63	Shahana K. Ahmed	MSc Zoo Part II	<u>S. Ahmed</u>
64	TANVI S. AMONKAR	MSc Zoo Part II	<u>T. Amonkar</u>
65	Aaron ramos	" "	<u>A. Ramos</u>
66	Linoshka Dias	" "	<u>L. Dias</u>

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Sr. No	Name	Discipline	Signature
67	Amit Vernekar	Biotech/SBSB	Avernekar
68	Anusha Shankar	"	Anusha
69	Vidhi Pandya	"	Vidhi
70	Aamir Ashraf	"	Aamir
71	Nijati Kurikar	Botany	Nijati
72	Ranjani Shirodkar	"	Ranjani
73	Mousumi Biswas	"	Mousumi
74	Raj Gaonkar	"	Raj
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.

[Signature]
10/12/2025

Signature

Dean, SBSB

Seal/Stamp

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