



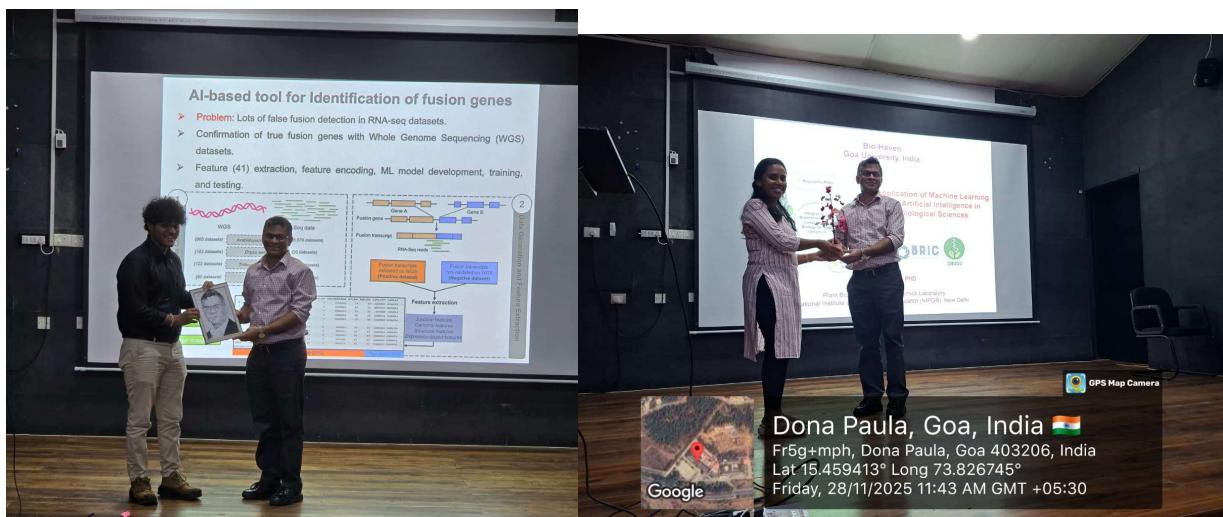
## Goa University

### Discipline of Biotechnology, School of Biological Sciences and Biotechnology

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

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

	<p>handling and interpreting large biological datasets.</p> <ul style="list-style-type: none"> <li>• Motivate interdisciplinary thinking at the biology–data science interface.</li> <li>• Motivate and make aware student about the recent trends in AI/ML.</li> </ul>
<p><b>11. Description of the Program/activity/event</b></p>	<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 outlined 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>
<p><b>12. Benefit/Key outcomes of the Program/activity/event</b></p>	<ul style="list-style-type: none"> <li>• Better understanding of ML/AI applications in genomics.</li> <li>• Idea about handling and interpreting big biological datasets.</li> <li>• Awareness of advanced AI tools for discovery workflows.</li> <li>• Stronger ability to design interdisciplinary computational projects.</li> <li>• Increased motivation to integrate data-driven methods in research.</li> </ul>
<p><b>13. Enclosures with report</b></p>	<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

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

Time: 11.30 AM to 12.30 PM

Sr. No	Name	Discipline	Signature
1	Tanusha Paraz	Biotech, SBSB	<i>T. Paraz</i>
2	Suvidnya Kumar Phamai	Biotech, SBSB	<i>S. Phamai</i>
3	Savi Raut Dessai	Biotech, SBSB	<i>S. Dessai</i>
4	Jindouse Khanam	Biotech, SBSB	<i>J. Khanam</i>
5	Musaffa Sharikh	Biotech, SBSB	<i>M. Sharikh</i>
6	Gladys Mendonza	"	<i>Gladys Mendonza</i>
7	Varsha Pednekar	"	<i>V. Pednekar</i>
8	Apurva Karlekar	MBT, SBSB	<i>A. Karlekar</i>
9	Saniya Kansara	MBT, SBSB	<i>S. Kansara</i>
10	Triveni Pathod	MBT, SBSB	<i>T. Pathod</i>
11	Vaishnavi Patilcar	GBT, SBSB	<i>V. Patilcar</i>
12	Prashila Chavu	GBT - SBSB	<i>P. Chavu</i>
13	Siya Naik	GBT, SBSB	<i>S. Naik</i>
14	Savi Naik	GBT, SBSB	<i>S. Naik</i>
15	Ashni G Shenvi Kerkar	MBT, SBSB	<i>A. Shenvi Kerkar</i>
16	Ganesh Ghadage	MBT SBSB	<i>G. Ghadage</i>
17	Mahesh Kumbani	GBT - SBSB	<i>M. Kumbani</i>
18	Kundan Kumar Kumarat	MBT- SBSB	<i>K. Kumarat</i>
19	Anisha Gaonkar	Botany - SBSB	<i>A. Gaonkar</i>
20	Janika Naik	"	<i>J. Naik</i>
21	Aarti Pednekar	"	<i>A. Pednekar</i>

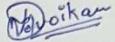
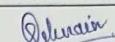
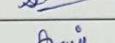
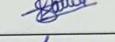
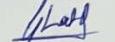
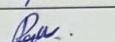
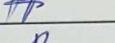
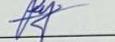
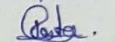
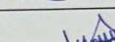
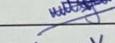
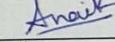
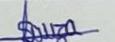
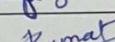
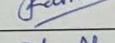
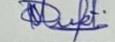
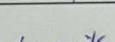
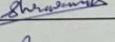
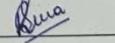
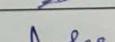
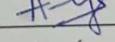
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**Resource person:** Dr. Shailesh Kumar, Staff Scientist, BRIC- National Institute of Plant Genome Research, New Delhi

Date: 28-11-2025

Time: 11.30 AM to 12:30 PM

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

Sr. No	Name	Discipline	Signature
22.	Manasi Do. Nolvoikar	MSc. Botany Part 1	
23.	Nurain Shah	MSc. Botany Part 1	
24.	Sadiqha Tari	MSc. Botany Part 1	
25.	Mustafa Latifnavar	MSc. Botany Part 1	
26.	Rezwan Khan	" " "	
27.	Raj Nayak	" " "	
28.	Frejwina D'costa	MSc. Botany P.1	
29.	Mahima H. Gaunkar	M.Sc. Botany Pt.1	
30.	Archana Naik	" " "	
31.	Frejoval Souza	" " "	
32.	Juhil Kamat	" " "	
33.	Deepti Naik	" " "	
34.	Shravani Kulkarni	MSc. Biotechnology	
35.	Romelle Liguaria	Botany, SBSB	
36.	Sania Botelho	Microbio, SEOAS	
37.	Aishwarya A. Gauda	Botany, SBSB	
38.	Shital Desai	Botany SBSB	
39.	Allan Almerda	Botany SBSB	
40.	Gunjor G. Kerkar	Botany SBSB	
41.	Reayali M. Gaonkar	Botany SBSB	
42.	Neha Sharma	M.Sc. Botany Part 2	
43.	Pradnya Dholakar	M.Sc. Botany Part II	

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44.	Yousha D. Naik	Mr. Biotechnology	Naik
45	Dr. Varadha S. Damare	SEOAS, Mar Micro	Varadha
46.	Dr. Judith Noronha	Microbiology, SBSB	judith
47	Preeti Kharjurenkar	CST GBS	Kharjurenkar
48.	Snehal Chandekar	SCS, Research Scholar	Snehal
49	R. N. Shirpat	SCS, Physical Chemistry	R. N. Shirpat
50.	Dr. Dhillan M. Velip	Botany, SBSB	Dhillan
51.	Amisha Shirodker Pednekar	Botany, SBSB	Amisha
52.	Anisha Velip	Botany, SBSB Part II	Anisha
53.	Wileshka Pinto	Botany PART - II SBSB	Wileshka
54	Anisha Hawale	Botany Part II SBSB	Anisha
55	Amisha Sakhalkar	Botany Part II SBSB	Amisha
56	Dhruv Tapitkar	Botany Part II	Dhruv
57	Chaitali Sudher	Zoology Msc Part II	Chaitali
58	RUPESH G. DOIFODE	Zoology Msc Part II	Rupesh
59	SHIVAM S. RAUT	" "	Shivam
60	Grazia Luis	" "	Grazia
61	Anisha De Souza	" "	Anisha
62	Geeta Angadi	MSc. Zoo Part II	Geeta
63	Shahana K. Ahammed	MSc. Zoo Part II	Shahana
64	TANVI S. ANNONKAR	MSc. Zoo Part II	Tanvi
65	Aaron Valio	"	Aaron
66	Linojka Dias	"	Dias

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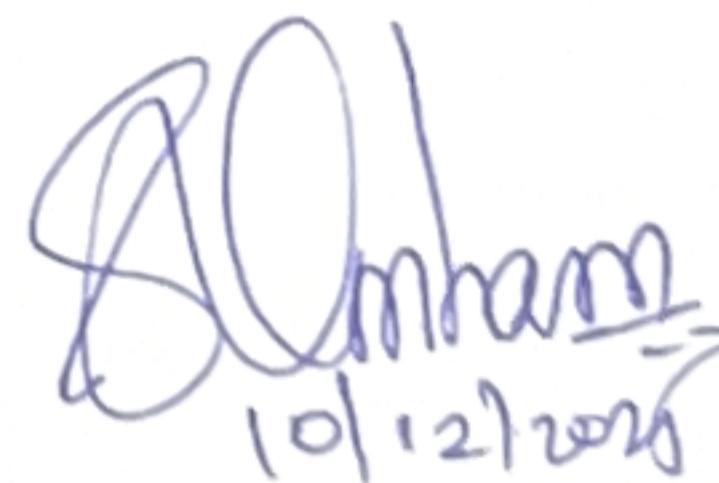
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Sr. No	Name	Discipline	Signature
67	Amit Verndkar	Biotech/ SBSB	Averndkar
68	Anisha Blankar	,,	Blankar
69	Vidhi Pandys	,,	Vidhi
70	Ramir Ashraf	,,	Ramir
71	Niyati Kurlikar	Botany	Niyati Kurlikar
72	Ranjani Shirodkar	"	Shirodkar
73.	Mousumi Biswas	"	Mousumi
74	Rey Gaonkar	"	Rey
75	Prashal Gaonkar	Botany	Prashal
76	Braydon Dias	Zoology	Dias
77	Ms. Gandhita V. Kundakar	Zoology	Kundakar
78	Sumaiyah Khan	Microbiology	Khan
79.	Dr. Vikash Yadav	Biotechnology	Vikash
80.	Ms. Snesha Bhomkar	"	Snesha Bhomkar

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