Tirumala Tirupati Devasthanams
శ్రీ వేంకటేశ్వర కళాశాల
Sri Venkateswara College
(University of Delhi)
NAAC Grade A+

SRI VENKATESWARA COLLEGE
(UNIVERSITY OF DELHI)

EVENT REPORT

NAME OF THE EVENT: Seminar on Physical Reservoir Computing : An AI technique for intelligence on the edge.			
DATE	**DEPARTMENT**	**COMMITTEE/SOCIETY**	**COORDINATORS' NAME**
March 20, 2025	Electronics		
TIME	**VENUE**	**NUMBER OF PARTICIPANTS**	**NATURE: Outdoor/Indoor; online/offline/hybrid**
12:00 – 03:00 PM	Room 158 Science Block,SVC	88	Indoor; offline
FINANCIAL SUPPORT/ASSISTANCE (if any):	N/A		

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/SUBJECT OF THE ACTIVITY	**Physical Reservoir Computing: An AI technique for intelligence on the edge.**
OBJECTIVES	**To learn about how the physical systems can be used for machine learning.**
METHODOLOGY	**1. Planning Stage – Target Audience , Speaker Selection , Venue and Date** **2. Preparation Stage – Registration , Attendance ,Marketing , Technical Set-up.** **3. Execution Stage – Speaker Presentation , Engagement activities and Hosting.**
INVITED SPEAKERS WITH AFFLIATION DETAILS (IF ANY)	**Prof. Merlyne De Souza (Full Professor in Electronics) University of Sheffield , UK** **Distinguished Lecturer of the IEEE-Electron Devices Society.**
OUTCOMES	**The Discussion and Presentation were truly Enlightening . A deeper understanding of the field's potential was gained.**

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

1 Notice & Letters ☐	2 Number of Participants & Name of participants ☐	3 Video clip	4 Photos ☐	5 Feedback Form & analysis
6 News clip with details	7 Sample Copy of the Certificate	8 Posters/ Invites ☐	9 Event report Attested by Event Coordinator & IQAC Coordinator	10 Any other document

IQAC Document No:	Criterion No:
Departmental file no:	IQAC file No: 2021-22

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. Neeru Kumar Dr. Sunita Jain Dr. Nutan Joshi Dr. Rakhi Narang Dr. Hari Singh Dr. Hina Yadav Dr. K.T. Rao Dr. Rahul	Prof. J. Lalita	

For Reference

Criterion I	Curricular Aspects (planning & Implementation)		Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation		Criterion VI	Governance
Criterion III	Research, Innovations & Extension		Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure			

SUMMARY

General Summary of the Day

The Seminar on "**Physical Reservoir Computing: An AI technique For Intelligence on the Edge"** organized by the **Department of Electronics,** brought together researchers, academicians, and students to explore the potential of reservoir computing in enabling efficient and low-power AI solutions for edge computing applications. The seminar covered key concepts, applications, and advancements in reservoir computing, a technique that leverages the dynamic properties of physical systems to process information efficiently.

Prof. Merlyne De Souza highlighted the advantages of physical reservoir computing in fields such as signal processing, robotics, and artificial intelligence, emphasizing its ability to perform complex computations with minimal energy consumption. Real-world implementations, including optical, mechanical, and neuromorphic computing systems, were showcased, demonstrating the versatility of this approach.

The event concluded with an engaging Q&A session, where participants explored potential research opportunities and industry applications. The seminar provided valuable insights into the future of computing, inspiring attendees to explore innovative solutions in electronics and beyond.

LIST OF VOLUNTEERS:

Seminar Anchoring:

1. Dev Aggarwal: 1622050

Photography:

1. Samuel Matthews: 1623010

Decoration:

1. Yamini Negi: 1623017
2. Vaibhavi: 1623054
3. Vartika Jawla: 1623020
4. Deepika: 1623029

PERMISSION LETTER :

Tirumala Tirupati Devasthanams
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PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1.Please ensure a pre booking of the venue before getting the permission letter signed.
2. A copy of this duly filled form signed by the TIC/ Convener, IQAC Coordinator and Principal shall be submitted to ICT and/or Caretaker for necessary action.
3. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.

EVENT DETAILS

1. Name of the Department/Society/Association: ELECTRONICS
2. Name of the TIC and/or Convenor: Prof./Dr./Mr./Ms. Prof. J. LALITA (TIC)
   Dr. RAKHI NARANG (Event Coordinator)
3. Proposed Title of the Event: Physical Reservoir Computing: An AI technique for Intelligence on the edge followed by departmental Activit
4. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or Community outreach/ Skill enhancement/others (Please specify) Lecture and a departmental activity
5. Participants: Student-centric /Faculty/ Other stakeholders (Please specify).....
6. Event Type: Offline/Online/Hybrid; Indoor/Outdoor
7. Collaborating Agency /Organization (If any): — NA —
8. Tentative List of Speakers with affiliations: Prof. Merlyne Désouza
   University of Sheffield, U.K
9. Date & Time (from – to): 20th March 2025 12:00 – 03:00 PM
10. Financial Assistance/ Funding received (if any) (Please specify amount): —
11. Proposed Budget (please attach details in a separate enclosure): Rs 6500/-

12. Faculty responsible for Geo Tagged Pictures ..Dr. RAKHI NARANG.....

13. Faculty responsible for Event Report ..Dr. RAKHI NARANG.....

14. ICT support required, if any (ICT Lab, Laptop, LCD projector) Yes, Projector and

15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance) P.A. System

16. Venue requirement (Seminar hall/ Ground/others) .....158.....
Alternate room : 257 & ICT Faculty Lab

TIC/Convenor Lalita

Date: 07/03/2025

For official purpose

Comments (If any)

for Richa Misra

IQAC Coordinator

Date:

Principal

Date:

Room 158 may be obliged &
for the same, However
Provide alternative Room.

6/2/25

Department of Electronics
Sri Venkateswara College
University of Delhi
in Association with
IEEE EDS Delhi Chapter
Presents

SEMINAR ON

PHYSICAL RESERVOIR COMPUTING: AN AI TECHNIQUE FOR INTELLIGENCE ON THE EDGE

Speaker

MERLYNE DE SOUZA
FULL PROFESSOR IN ELECTRONICS,
UNIVERSITY OF SHEFFIELD, UK
DISTINGUISHED LECTURER OF THE IEEE – ELECTRON DEVICES SOCIETY

Date and Time
March 20, 2025
12 noon

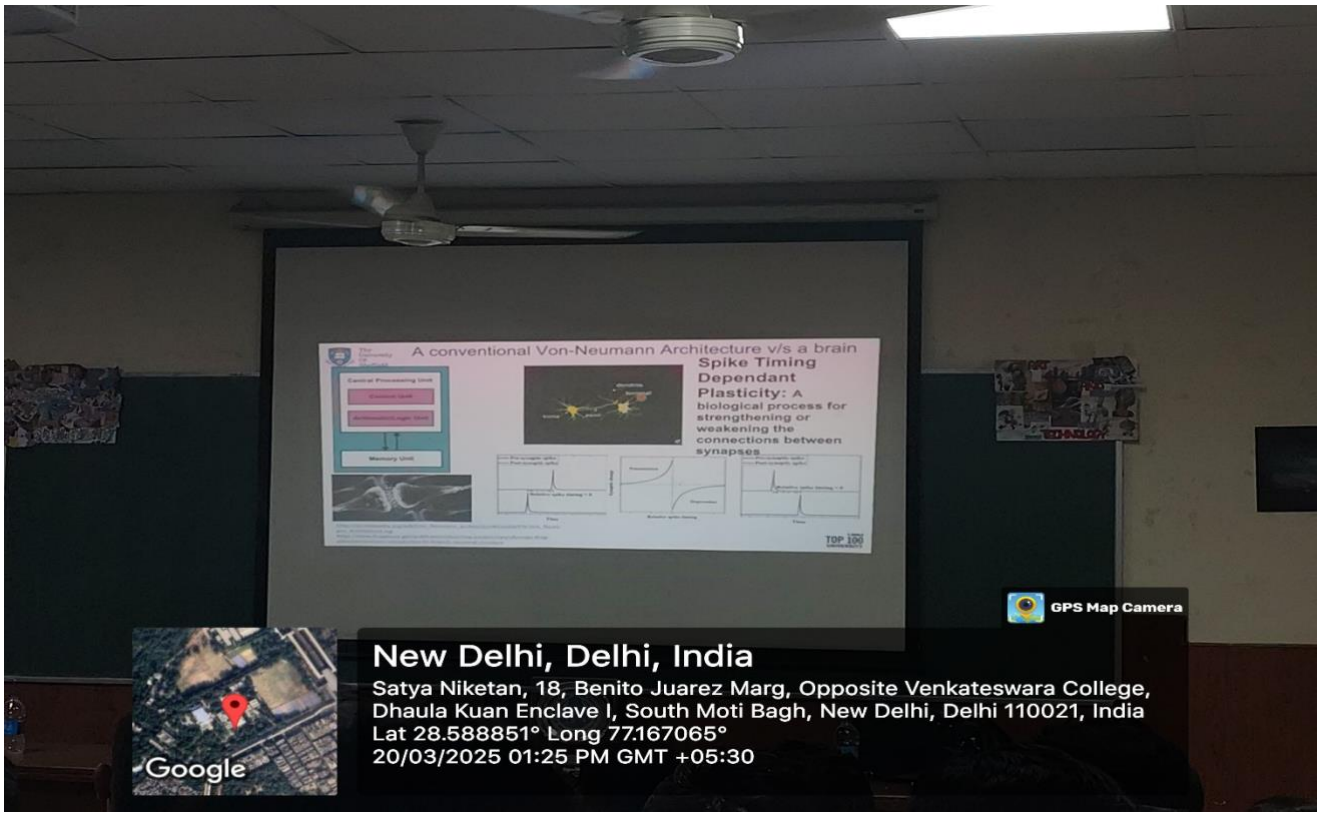
Venue
Room no. 158,
Science Block, SVC

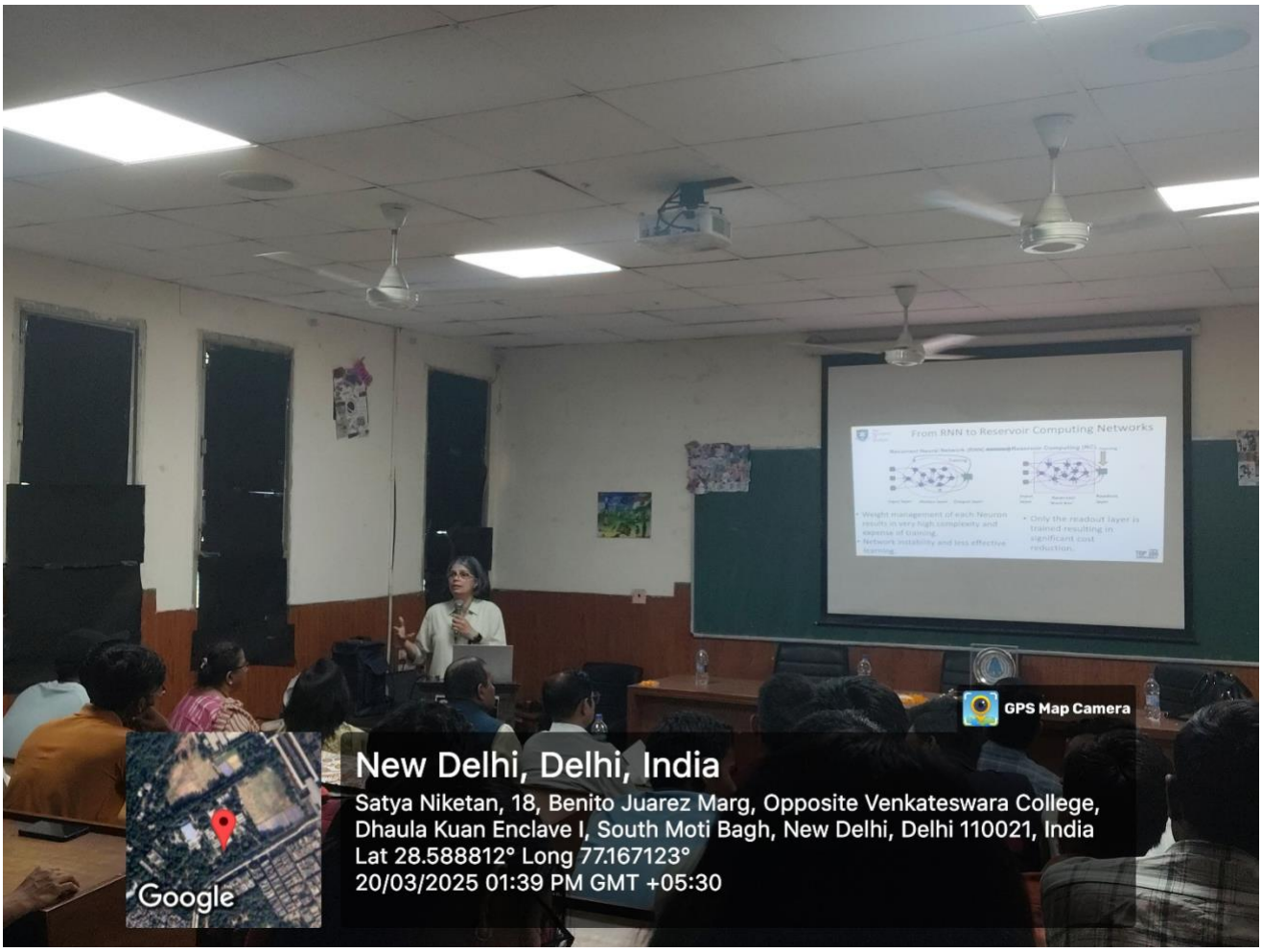
Convener
Dr. Rakhi Narang

Teacher-in-Charge
Prof. J. Lalita

Patron
Prof. Vajala Ravi
(Principal)

IMAGES:


A conventional Von-Neumann Architecture v/s a brain
Spike Timing Dependant Plasticity: A biological process for strengthening or weakening the connections between synapses
GPS Map Camera
New Delhi, Delhi, India
Satya Niketan, 18, Benito Juarez Marg, Opposite Venkateswara College, Dhaula Kuan Enclave I, South Moti Bagh, New Delhi, Delhi 110021, India
Lat 28.588851° Long 77.167065°
20/03/2025 01:25 PM GMT +05:30
Google


From RNN to Reservoir Computing Networks
GPS Map Camera
New Delhi, Delhi, India
Satya Niketan, 18, Benito Juarez Marg, Opposite Venkateswara College, Dhaula Kuan Enclave I, South Moti Bagh, New Delhi, Delhi 110021, India
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GPS Map Camera
New Delhi, Delhi, India
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Dhaula Kuan Enclave I, South Moti Bagh, New Delhi, Delhi 110021, India
Lat 28.588821° Long 77.167054°
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Google


GPS Map Camera
New Delhi, Delhi, India
Satya Niketan, 18, Benito Juarez Marg, Opposite Venkateswara College,
Dhaula Kuan Enclave I, South Moti Bagh, New Delhi, Delhi 110021, India
Lat 28.588789° Long 77.167088°
20/03/2025 01:04 PM GMT +05:30
Google

ATTENDANCE SHEET:

SRI VENKATESWARA COLLEGE

University Of Delhi

Department of Electronics

Seminar on **PHYSICAL RESERVOIR COMPUTING:AN AI TECHNIQUE FOR INTELLIGENCE ON THE EDGE.**

Date : March 20, 2025 Time : 12 Noon

Sr. no.	Name	Course	Roll no	Year	signature
1	Diya Goyal	B.A.(H) English	0222045	3	
2	Yashraj	Bsc(H) Maths	1722111	3	
3	srijan Bhargava	B.Sc. (H) Electronics	1622026	3	
4.	Pushpanjali	BA.(H) English	0222052	3	
5.	Sanket Arora	B.Sc(H) Electronics	1622006	3	
6.	Khushboo Pal	Bsc (H) Electronics	1623036	2	
7.	Rashi Sharma	BSc(H) Electronics	1623055	2	
8.	Ritu Rawat	BSc (H) Electronics	1623024	2	
9.	Lakshita	BoSc (H) Electronics	1623049	2	
10	Ayushi Singh	BSc(H) Biosciences	1323045	2	
11	Fatima	BSc(H) Biosciences	1323027	2	
12	Ishaan Negi	B.Sc (H) Electronics	1623004	2	
13	Devansh	B.Sc (H) Electronics	1623058	2	
14	Sakshi Kumari	B.Sc(H) Electronics	1624020	1	
15	Mishti Angirash	B.Sc(H) Electronics	1624003	1	
16	Rachit Singh	BSc(H) Electronics	1624006	1	

17	VIDUSHI SHARMA	BSc.(H) ELECTRONICS	1623011	02	Vidushi
18	Siddhi Roy	BSc (H) Electronics	1624015	01	Siddhi Roy.
19	Rishika	Bsc(H)electronics	1624004	01	Rishika
20	Aryan Sharma	Bsc(H)electronics	1624039	01	Aryan
21	Sandeep Singh	Bsc(H)electronics	1624035	01	Sandeep
22	Ishan	Bsc(H) Electronics	1624002	01	
23	Shipra	Bsc (H) Electronics	1623053	02	Shipra.
24	Khushi	BSc.(H) Statistics	1923026	02	Khushi
25	Divya	BSc.(H) Statistics	1923044	02	Divya
26	Yuvraj Raika	BSc(H) Electh	1622031	3	
27	Utkarsh Singh	BSc(H) Electronics	1622022	3	Utkarsh Singh
28	Sagar	BSc(H) Electronics	1622025	03	Sagar
29	Sumit Sinha	B.Sc(H) Electronics	1622049	03	Sumit.
30	Mukamd Rahul	BA Economics (H)	0523010	02	
31	Nandini	BA Economics (H)	0523061	02	Nandini
32	Manas Jaiswal	Bsc(H)Biological Sci	1323041	02	
33	Ankit Sharma	B.Sc(H) Electronics	1624021	1	ankitsharma
34	Raj Nandan Kr.	BSc (H) Electronics	1624042	01	Raj Nandan
35	Vishal	B.Sc(H) Electronics	1624010	01	Vishal
36	Deepika	Bsc (H) Electronics	1623029	08	Deepika
37	Dev Aggarwal	BSc.(H) Electronics	1622050	3	Dev
38	Samuel Matthews	BSc(H) Electronics	1623010	2	
39	Shivam Kumar	Bsc (H) Electronics	1624008	1	Shivam

				Year	
40	Raghav Kr.	B.Sc.(H) Elect.	1624050	1	
41	Parikshit Kumar	B.Sc(H) Electn.	1624012	1	Parikshit
42	Nikhil Kotwar	Bsc(H)Electronics	1624019	1	Nikhil
43.	Vasiqa	BSc(H)Electronics	1623070	2	
44	Yash Sharma	Bsc(H) Electronics	1622019	3	
45.	[illegible]	" 1st Sem	1622014	3	
46.	Yash Nigam	"	1622011	3	Yash Nigam
47.	Ayush Kukreti	"	1622001	3	
48.	Arjit Brahma	"	1622004	3	Arjit
49.	Kritika	BSc Life Science	1123066	2	Kritika
50.	Ayali	BSc (H) Physics	1823059	2	Ayali
51.	Vanshika.	Bsc (H) Electronics	1624023	1	Vanshika.
52.	Riddhi	Bsc (H) "	1624030	1	Riddhi
53.	Vineesha	"	1624051	1	Vineesha
54.	Pratishtha	Bsc (H) Maths	1724059	1	
55	Misthi	"	1724048	1	
56	Pragati	"	1724042	1	
57	Dr. Y. V. Reddy	Chemistry			
58	Nikul Yadav	Electronics	1622003	3	
59	Jitendra Sinha	Electronics	1623003	2	Jitendra
60	Shivjeet	Electronics	1623039	2	Shivjeet
61	Ayushman Shukla	"	1622052	3	
62	Anash Shaikh	BSc. BioSci (H)	1323068	2	Anash
63	Pinki	BSc. Biosci (H)	1323072		Pinki
64	Aditya	BSC Electronics	1623026		Aditya
65	Yamini	BSC Electronics	1623017		Yamini
66	Vaibhavi	BSC Electronics	1623054		Vaibhavi
67	Anugya	BSC physics	1823057		Anugya
68	Sawesh Kumar	BSC Electronics	1624040		Sawesh
69	Ajay Kumar	"	1624049		Ajay

LECTRON EVICES OCIETY"

70	Vibhav kumar	BSc(H) Electronics	Yeares 1st	1624014
71	Nikhil	Bsc (H) Electronics	2nd	162305
72	Divyanshu pandey	Bsc (H) Electronics	1st	1624037
73	Piyush K. Yadav	B. sc (H) Electoonics	1st	1624043
74	Rihk Yadav	"	1st	1624045
75	Tushar Patidar	"	"	1624018
76	Vivek kumar	"	"	1624044
77	Bharu kumar	"	3nd	1622054
78	Dhananjay	"	3ord	1622005
79.	Shruti Barcanwal	"	3rd	1622094
80.	Dayal Das Gupta	"	"	1622015
81	KamarSatish	"	3rd	1622029
82	Abhishek	BSc(H) Electronics	2nd	1623043
83	Manas	"	"	1623027
84	Piyush	BSc(H) Electronics	"	1623048
85	Shivjeet	"	"	1623039
86	Pradeep	"	"	1623032
87	Amit	"	"	1623005
88	Sadbhavna	"	"	1623007

EVENT COMPLETION CERTIFICATE –

Tirumala Tirupati Devasthanams
శ్రీ వేంకటేశ్వర కళాశాల
Sri Venkateswara College
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NAAC Grade A+

CERTIFICATE

This is to certify that Seminar on **Physical Reservoir Computing: An AI technique for intelligence on the edge** was successfully conducted on **20th March 2025** from **12:00 noon to 01:30 PM** by the **Department of Electronics** in the **Offline** mode and its event report has been submitted to IQAC for records.

Event In-Charge

For Richa Misra
IQAC Coordinator
Coordinator, IQAC
Sri Venkateswara College
(University of Delhi)
Dhaula Kuan, New Delhi-110021

Principal
प्रधानाचार्य
Principal
श्री वेंकटेश्वर महाविद्यालय
Sri Venkateswara College
दिल्ली विश्वविद्यालय / University of Delhi
धौला कुआं, नई दिल्ली / Dhaula Kuan, New Delhi-21