



**PERIYAR
MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
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PROGRAMME REPORT ON

Workshop-Hands-on Workshop on Neurons to Networks

Resource Person

**Mr. R. Naresh Giritharan, Former CEO, Inteqsys Private Ltd.
Chennai**

Organized by

INFORMATICS- PMIST



PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

Periyar Nagar, Vallam, Thanjavur - 613403.
Tamil Nadu, India. www.pmu.edu.

**Faculty of Computing Science and Applications (FCSA)
DEPARTMENT OF INFORMATICS**

Workshop	Experts / Guest Speaker	Beneficiaries
Hands-on Workshop on Neurons to Networks	Mr. R. Naresh Giritharan, Former CEO, Inteqsys Private Ltd., Chennai.	III B.Sc. (Data Science)
Date: 10-11-2025 to 12-11-2025 Time: 9.30 a.m. to 4.00 p.m.	Mobile: +91 - 978 900 1330 E-Mail: ngratna@hotmail.com	55 Students

Report / Summary / Key points discussed:

The workshop delivered a clear and beginner-friendly understanding of neural networks. This session fundamentals of neurons, covering both biological and inspiration and artificial neuron modeling. Students are gained the knowledge on how data moves across input, hidden and output layers along with the importance of layer performance and weight influence in the network. Also this workshop introduced simple techniques to evaluate model accuracy, identify errors and understand basic error correction methods. Participants learned the essential structure of a neural network and practiced building and analyzing basic models on the training. Also they learned the step-by-step process of formulating a neural network, analyzing its results and performance metrics effectively.



Session-I : Resource Person Introduction



Session-I: Introduction to Neural Networks



Session-II : Neurons Fundamentals



Session-II: Neural Networks Layers



Session-III : Formulation of Hidden Layers



Session-III: Weightage calculation of hidden layers



Session-IV: Layers Representations



Session-IV: Biological Neurons



Session-V: Layers Representations



Session-V: Biological Neurons


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Session-VI: Artificial Neurons



Session-VI: Neural Network with Deep Learning



Session-VII: Layers Representations



Session-VII: Error detection and solution



Session-VIII: Interactive Queries Section



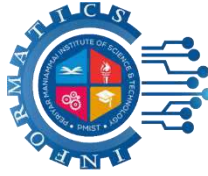
Session-VIII: Discussion and Vote of Thanks

Coordinator
(Dr. M. Mnaikandan)

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Hands-on Workshop on:

Neurons to Networks

(An event of Industry Academia Linkage)

10-11-2025 (Monday) to 12-11-2025(Wednesday), 9.30 a.m. - 4.00 p.m.

@ Seminar Hall LH523

EVENT FLYER

Hands-on Workshop on
**NEURONS
to
NETWORKS**
An event of Industry Academia Linkage

November 10 - 12, 2025
@ 9:30 am - 4.00 pm
PKC 523

Mr. R NARESH GIRIDHARAN
Former CEO, Inteqsys Private Ltd.,
Chennai

Convener
Dr. A. Muthamizh Selvan
Associate Professor and Head
Department of Informatics

Coordinator
Dr. M. Manikandan
Assistant Professor
Department of Informatics

Department of Informatics
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10-11-2025 (Monday) to 12-11-2025 (Wednesday), 9.30 a.m. - 4.00 p.m.

@ Seminar Hall LH523

PROGRAM SCHEDULE

Day 1: 10-11-2025, Monday

- 09.30 a.m. - Welcome address : **Ms. ARCHANA S**
III Year B.Sc. Data Science
- 9.45 a.m. - Guest Introduction : **Dr. A. MUTHAMIZH SELVAN**
Associate Professor & Head
Department of Informatics
- 9.55 a.m. - Felicitation : **Dr. D. MAGHESH KUMAR**
Associate Professor & Dean (FCSA)
- 10.00 a.m. - Keynote Address : **Mr. Naresh Giridharan,**
Session-I, II, II
Former CEO, Indeqsys Private Ltd.
Chennai.

Day 2: 11-11-2025, Tuesday

- 09.30 a.m. - Keynote Address : **Mr. Naresh Giridharan,**
Session-IV, V, VI
Former CEO, Indeqsys Private Ltd.
Chennai.

Day 3: 12-11-2025, Wednesday

- 09.30 a.m. - Keynote Address : **Mr. Naresh Giridharan,**
Session-VII, VIII
Former CEO, Indeqsys Private Ltd.
Chennai.
- 3.40 p.m. - Vote of Thanks : **Ms. Harshini M**
III Year B.Sc. Data Science


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Hands-on Workshop on Neurons to Networks
 (An event of Industry Academia Linkage)
ATTENDANCE

Programme : B.Sc. (Data Science)
 Academic Year: 2025-2026 (ODD)

Batch: 2023-2026
 Year / Sem. /Sec: III / V / A

Sl. No.	Register Number	Na me	10-11-25 (Session 1)	10-11-25 (Session 2)	10-11-25 (Session 3)	11-11-25 (Session 4)	11-11-25 (Session 5)	11-11-25 (Session 6)	12-11-25 (Session 7)	12-11-25 (Session 8)
1	123011172061	AARTHI S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
2	123012172062	ABISHEK S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3	123011172063	AFROSE NISHA S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4	123012172064	AHAMED AASIM M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5	123012172065	AKKASH RAJ R	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6	123011172066	ANUSUYA DEVIB	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7	123011172067	ARCHANA R S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
8	123012172068	ASHWIN FERNANDO K	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9	123012172069	AVINASH K	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
10	123011172073	BIRUNTHA R	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11	123012172074	DHANUSH G	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
12	123012172075	DHARAN SANJAY M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
13	123011172076	DHARSHINI M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

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14	123011172077	DIVYADHARSHANA N	Divy	Divy	Divy	Divy	Divy	Divy	Divy	Divy
15	123011172078	GANGA SRI S	Ganga	Ganga	Ganga	Ganga	Ganga	Ganga	Ganga	Ganga
16	123012172079	HARIHARAN R B	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan	Hariharan
17	123011172080	HARINI M	Hari	Hari	Hari	Hari	Hari	Hari	Hari	Hari
18	123012172081	HARISH M - K	Hari	Hari	Hari	Hari	Hari	Hari	Hari	Hari
19	123011172082	HARSHINI K	Hari	Hari	Hari	Hari	Hari	Hari	Hari	Hari
20	123012172083	JANAGAN M	Jana	Jana	Jana	Jana	Jana	Jana	Jana	Jana
21	123012172084	JOSEPH ANTONY S	Joseph	Joseph	Joseph	Joseph	Joseph	Joseph	Joseph	Joseph
22	123012172085	KALAISELVAM B	Kalai	Kalai	Kalai	Kalai	Kalai	Kalai	Kalai	Kalai
23	123012172086	KAMALESH P	Kamal	Kamal	Kamal	Kamal	Kamal	Kamal	Kamal	Kamal
24	123012172087	KARTHI K	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi	Karthi
25	123012172088	MAGESHWARAN M	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh	Magesh
26	123012172089	MOHAMED ANSARI R	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed
27	123012172090	MOHAMED FAISAL J	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed
28	123012172091	MOHAMED JAHABAR ALI A J	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed
29	123012172092	MOHAMED SUHAIL I	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed	Mohamed
30	123011172093	MOHANA PRIYA B	Mohana	Mohana	Mohana	Mohana	Mohana	Mohana	Mohana	Mohana
31	123011172094	MUR SHEETHA SHERIN M	Mur	Mur	Mur	Mur	Mur	Mur	Mur	Mur


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32	123012172096	NAVEEN KUMAR M	H. Naveen	H. Naveen	H. Naveen	H. Naveen	H. Naveen	H. Naveen	H. Naveen	H. Naveen
33	123012172097	NEELAVAN S	S. Neelavan	S. Neelavan	S. Neelavan	S. Neelavan	S. Neelavan	S. Neelavan	S. Neelavan	S. Neelavan
34	123012172098	NIYAS AHAMED P S	P. Niyas	P. Niyas	P. Niyas	P. Niyas	P. Niyas	P. Niyas	P. Niyas	P. Niyas
35	123012172099	PASIS KEVIN C	K. Pasis	K. Pasis	K. Pasis	K. Pasis	K. Pasis	K. Pasis	K. Pasis	K. Pasis
36	123012172100	PAVITHRAN G	G. Pavithran	G. Pavithran	G. Pavithran	G. Pavithran	G. Pavithran	G. Pavithran	G. Pavithran	G. Pavithran
37	123012172101	PUGAZHENDHI M	M. Pugazhendhi	M. Pugazhendhi	M. Pugazhendhi	M. Pugazhendhi	M. Pugazhendhi	M. Pugazhendhi	M. Pugazhendhi	M. Pugazhendhi
38	123012172102	ROHINTH R	R. Rohinth	R. Rohinth	R. Rohinth	R. Rohinth	R. Rohinth	R. Rohinth	R. Rohinth	R. Rohinth
39	123011172103	ROSHINI B	B. Roshini	B. Roshini	B. Roshini	B. Roshini	B. Roshini	B. Roshini	B. Roshini	B. Roshini
40	123012172104	SAHULL HAMEETHU M	M. Sahull	M. Sahull	M. Sahull	M. Sahull	M. Sahull	M. Sahull	M. Sahull	M. Sahull
41	123011172105	SAKTHISHREE R	R. Sakthishree	R. Sakthishree	R. Sakthishree	R. Sakthishree	R. Sakthishree	R. Sakthishree	R. Sakthishree	R. Sakthishree
42	123012172106	SANTHOSH G	G. Santosh	G. Santosh	G. Santosh	G. Santosh	G. Santosh	G. Santosh	G. Santosh	G. Santosh
43	123012172107	SARANESH S	S. Saranesh	S. Saranesh	S. Saranesh	S. Saranesh	S. Saranesh	S. Saranesh	S. Saranesh	S. Saranesh
44	123012172108	SHABEER AHAMAD S	S. Shabeer	S. Shabeer	S. Shabeer	S. Shabeer	S. Shabeer	S. Shabeer	S. Shabeer	S. Shabeer
45	123012172109	SHAJIM MOHAMED S	S. Shajim	S. Shajim	S. Shajim	S. Shajim	S. Shajim	S. Shajim	S. Shajim	S. Shajim
46	123011172110	SHANTHINI K	K. Shanthini	K. Shanthini	K. Shanthini	K. Shanthini	K. Shanthini	K. Shanthini	K. Shanthini	K. Shanthini
47	123012172111	SHARUKESH B	B. Sharukesh	B. Sharukesh	B. Sharukesh	B. Sharukesh	B. Sharukesh	B. Sharukesh	B. Sharukesh	B. Sharukesh
48	123012172112	SIVA PRAKASH K	K. Siva	K. Siva	K. Siva	K. Siva	K. Siva	K. Siva	K. Siva	K. Siva
49	123012172113	SRINIVASAN V	V. Srinivasan	V. Srinivasan	V. Srinivasan	V. Srinivasan	V. Srinivasan	V. Srinivasan	V. Srinivasan	V. Srinivasan


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50	123011172114	SUBIKSHA K	St. K. Thakira	St. K. Thakira	St. K. Thakira	St. K. Thakira	St. K. Thakira	St. K. Thakira	St. K. Thakira	St. K. Thakira
51	123011172115	THAKIRA CHRISTY K	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth
52	123012172116	THULASIDHARAN S	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth
53	123012172117	VASANTH S	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth	S. Princy S. Vasanth
54	123012172118	VIGNESH KOTISH K S	M. S. S. R. Vignesh	M. S. S. R. Vignesh	M. S. S. R. Vignesh	M. S. S. R. Vignesh	M. S. S. R. Vignesh	M. S. S. R. Vignesh	M. S. S. R. Vignesh	M. S. S. R. Vignesh
55	123012172119	VINITHKUMAR R	R. Vignesh Vinith	R. Vignesh Vinith	R. Vignesh Vinith	R. Vignesh Vinith	R. Vignesh Vinith	R. Vignesh Vinith	R. Vignesh Vinith	R. Vignesh Vinith
56	123012172120	VINOTH S	Vinith Vinith	Vinith Vinith	Vinith Vinith	Vinith Vinith	Vinith Vinith	Vinith Vinith	Vinith Vinith	Vinith Vinith

[Signature]

Event Coordinator
(Dr. M. MANIKANDAN)

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Convener and Head
(Dr. A. MUTHAMIZH SELVAN)

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