



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

Workshop-Hands-on Workshop on Neural Networks: Practical Implementation and Insights

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 Neural Networks: Practical Implementation and Insights	Mr. R. Naresh Giritharan, Former CEO, Inteqsys Private Ltd., Chennai.	I M.Sc. (Data Science) II M.Sc. (Data Science)
Date: 13-11-2025 to 15-11-2025 Time: 9.30 a.m. to 4.00 p.m.	Mobile: +91 - 978 900 1330 E-Mail: ngratna@hotmail.com	40 Students

Report / Summary / Key points discussed:

The workshop provided a comprehensive and hands-on introduction to neural networks, beginning with foundational concept of neurons and their role in computational models. Participants explored both biological and artificial neurons, gaining clarity on how information flows through input, hidden and output layers. These session also highlighted how hidden layers functions, how their weightages are influence overall network performance. A significant portion of the workshop focused on measuring errors within neural network models and applying suitable techniques for error correction. Attendees 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



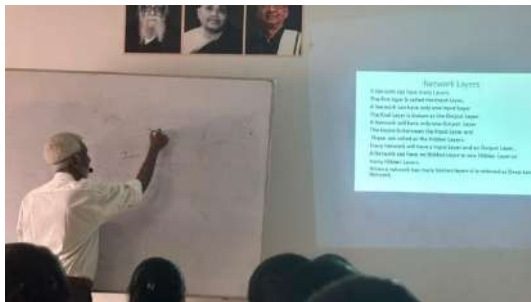
Session-I: Neural Networks Layers



Session-III : Formulation of Hidden Layers



Session-III: Weightage calculation of hidden layers



Session-IV: Layers Representations



Session-IV: Biological Neurons



Session-V: Artificial Neurons



Session-V: Train the Networks with weightage


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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

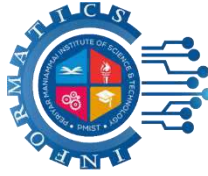


Session-VIII: Discussion and Vote of Thanks

Coordinator
(Dr. M. Mnaikandan)

Head | Informatics
(Dr. A. Muthamizh Selvan)


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Hands-on Workshop on:
Neural Networks: Practical Implementation and Insights
13-11-2025 (Thursday) to 15-11-2025(Saturday), 9.30 a.m. - 4.00 p.m.
@ Seminar Hall LH523

EVENT FLYER

Hands-on Workshop on

**Neural Networks:
Practical
Implementations
and Insights**

An event of Industry Academia Linkage

NOVEMBER 13 - 15, 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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VISTA

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@ Seminar Hall LH523

PROGRAM SCHEDULE

Day 1: 13-11-2025, Thursday

- 09.30 a.m.-MozhiVaazhthu : **Ms. ABINAYA S & Ms. AKALYA S**
I Year M.Sc. Data Science
- 09.35 a.m. - Welcome address : **Ms. HARINI S**
II Year M.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)
- 10.00a.m. - Keynote Address : **Mr. Naresh Giridharan,**
Session-I,II,III Former CEO, Indeqsys Private Ltd.
Chennai.

Day 2: 14-11-2025, Friday

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

Day 3: 15-11-2025, Saturday

- 09.30 a.m. - Keynote Address : **Mr. Naresh Giridharan,**
Session-VII,VIII Former CEO, Indeqsys Private Ltd.
Chennai.
- 04.00p.m. - Vote of Thanks : **Ms. Akalya S**
I Year M.Sc. Data Science


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Hands-on Workshop on Neural Networks: Practical Implementation and Insights
(An event of Industry Academia Linkage)

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

Batch: 2024-2026
Year / Sem. / Sec: II / III / A

ATTENDANCE

Sl. No.	Register Number	Name	13-11-25 (Session 1)	13-11-25 (Session 2)	13-11-25 (Session 3)	14-11-25 (Session 4)	14-11-25 (Session 5)	14-11-25 (Session 6)	15-11-25 (Session 7)	15-11-25 (Session 8)
1	124012366022	ARUNS	A. Arun	S. Arun	S. Arun	S. Arun	S. Arun	S. Arun	S. Arun	AAA
2	124011366023	ATCHAYA P	P. Arun	P. Arun	P. Arun	P. Arun	P. Arun	P. Arun	P. Arun	AAA
3	124011366024	ELAKKIYA R	E. Lakkiya	E. Lakkiya	E. Lakkiya	E. Lakkiya	E. Lakkiya	E. Lakkiya	E. Lakkiya	AAA
4	124011366025	HARINIS	H. Arun	H. Arun	H. Arun	H. Arun	H. Arun	H. Arun	H. Arun	AAA
5	124011366026	JANANIS	J. Arun	J. Arun	J. Arun	J. Arun	J. Arun	J. Arun	J. Arun	AAA
6	124012366027	KARANESWERANG	K. Arun	K. Arun	K. Arun	K. Arun	K. Arun	K. Arun	K. Arun	AAA
7	124011366028	KAYALVIZHIG	K. Arun	K. Arun	K. Arun	K. Arun	K. Arun	K. Arun	K. Arun	AAA
8	124011366029	LOKESWARI L	L. Arun	L. Arun	L. Arun	L. Arun	L. Arun	L. Arun	L. Arun	AAA
9	124012366031	MUTHUKRISHNAN D	M. Arun	M. Arun	M. Arun	M. Arun	M. Arun	M. Arun	M. Arun	AAA

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10	124011366032	OVIYA S	Govt	Govt	Govt	Govt	Govt	Govt	Govt	Govt
11	124011366033	PRIYANKA M	M.P.S	M.P.S	M.P.S	M.P.S	M.P.S	M.P.S	M.P.S	M.P.S
12	124012366034	RENGARAJAN M	M.C.B	M.C.B	M.C.B	M.C.B	M.C.B	M.C.B	M.C.B	M.C.B
13	124012366035	SANJAY S	S.S.S	S.S.S	S.S.S	S.S.S	S.S.S	S.S.S	S.S.S	S.S.S
14	124012366036	SIVAKUMAR S	S.P.S	S.P.S	S.P.S	S.P.S	S.P.S	S.P.S	S.P.S	S.P.S
15	124011366037	SUBHASHINI V	V.P.S	V.P.S	V.P.S	V.P.S	V.P.S	V.P.S	V.P.S	V.P.S
16	124011366038	SWATHI S	S.S.H	S.S.H	S.S.H	S.S.H	S.S.H	S.S.H	S.S.H	S.S.H
17	124011366039	YAZHINI N	N.V.S	N.V.S	N.V.S	N.V.S	N.V.S	N.V.S	N.V.S	N.V.S
18	124012366040	YOGESWARAN R	R.P.S	R.P.S	R.P.S	R.P.S	R.P.S	R.P.S	R.P.S	R.P.S
19	124012366041	KARTHIKEYAN R	R.P.S	R.P.S	R.P.S	R.P.S	R.P.S	R.P.S	R.P.S	R.P.S
20	124011366042	ABINAYA S	S.P.S	S.P.S	S.P.S	S.P.S	S.P.S	S.P.S	S.P.S	S.P.S


 Event Coordinator
 (Dr. M. MANIKANDAN)


 Convener and Head
 (Dr. A. MUTHAMIZH SELVAN)


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1	125011366043	ABINAYA S	S. Sibi	S. Sibi	S. Sibi	S. Sibi	S. Sibi	-	S. Sibi	S. Sibi
2	125011366044	AKALYA S	AKA	AKA	S. Sibi	S. Sibi	AKA	AKA	AKA	AKA
3	125012366045	AKASH R	AKA	AKA	AKA	AKA	AKA	AKA	AKA	AKA
4	125012366046	BOJARAJAN S	S. Sibi	S. Sibi	S. Sibi	S. Sibi	S. Sibi	S. Sibi	S. Sibi	S. Sibi
5	125012366047	DHANUSU ARUNACHALAM P	P. Sibi	P. Sibi	P. Sibi	P. Sibi	P. Sibi	P. Sibi	P. Sibi	P. Sibi
6	125012366048	GODHANDA RAMAN G	G. Sibi	G. Sibi	G. Sibi	G. Sibi	G. Sibi	G. Sibi	G. Sibi	G. Sibi
7	125012366049	GURUBALAN K	G. Sibi	G. Sibi	G. Sibi	G. Sibi	G. Sibi	G. Sibi	G. Sibi	G. Sibi
8	125011366050	JAGATHESWARIP	J. Sibi	J. Sibi	J. Sibi	J. Sibi	J. Sibi	J. Sibi	J. Sibi	J. Sibi
9	125012366051	KISHORE M	K. Sibi	K. Sibi	K. Sibi	K. Sibi	K. Sibi	K. Sibi	K. Sibi	K. Sibi
10	125011366052	NADIYAMMAL G	N. Sibi	N. Sibi	N. Sibi	N. Sibi	N. Sibi	N. Sibi	N. Sibi	N. Sibi

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11	125012366053	NANTHAKUMAR C	C. Nanthakumar	C. Nanthakumar	C. Nanthakumar	C. Nanthakumar	C. Nanthakumar	C. Nanthakumar	C. Nanthakumar	C. Nanthakumar
12	125012366054	PRAVEEN R	R. Praveen	R. Praveen	R. Praveen	R. Praveen	R. Praveen	R. Praveen	R. Praveen	R. Praveen
13	125012366055	RAJESH K	K. Rajesh	K. Rajesh	K. Rajesh	K. Rajesh	K. Rajesh	K. Rajesh	K. Rajesh	K. Rajesh
14	125012366056	RAKESH G	G. Rakesh	G. Rakesh	G. Rakesh	G. Rakesh	G. Rakesh	G. Rakesh	G. Rakesh	G. Rakesh
15	125011366057	SAIPRASANNA S	S. Saiprasanna	S. Saiprasanna	S. Saiprasanna	S. Saiprasanna	S. Saiprasanna	S. Saiprasanna	S. Saiprasanna	S. Saiprasanna
16	125012366058	SARAVANAN T	T. Saravanan	T. Saravanan	T. Saravanan	T. Saravanan	T. Saravanan	T. Saravanan	T. Saravanan	T. Saravanan
17	125012366059	SATHIYA V	V. Sathiya	V. Sathiya	V. Sathiya	V. Sathiya	V. Sathiya	V. Sathiya	V. Sathiya	V. Sathiya
18	125011366060	SHARMILA B	B. Sharmila	B. Sharmila	B. Sharmila	B. Sharmila	B. Sharmila	B. Sharmila	B. Sharmila	B. Sharmila
19	125011366061	SUBRAJA SREE K	K. Subraja Sree	K. Subraja Sree	K. Subraja Sree	K. Subraja Sree	K. Subraja Sree	K. Subraja Sree	K. Subraja Sree	K. Subraja Sree
20	125011366062	VANISRI K	K. Vanisri	K. Vanisri	K. Vanisri	K. Vanisri	K. Vanisri	K. Vanisri	K. Vanisri	K. Vanisri

(Signature)

Event Coordinator
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Convener and Head
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