R.L.Narayanacharyulu

Designation : Assistant Professor

E-MailID : lakshminarayana@vrsiddhartha.ac.in

Contactat : S&H-II,301,Department of Mathematics,
VRS School of Engineering,
Siddhartha Academy of Higher Education
[Deemed to be University], Kanuru, Vijayawada,
Andhra Pradesh 520007.

Education

M.Phil (Fuzzy Discrete Dynamical Systems)

2010, Sri Venkateswara University, Tirupati.

M.Sc (Mathematics)

2008, P.B Siddhartha College of Arts and Science,Vijayawada.

B.Sc (M.P.C)

2006, S.V.Degree College, Gannavaram.

Experience

Period	Designation	Institution/Organization	Key Responsibilities
August 2008-till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College Siddhartha Academy of Higher Education (Deemed to be University)	Course Co-ordinator, Conducting remedial classes for slow learners and bridge course classes for Diploma students, Research publications, Paper Presentations.

Research Interests

Broad Area of Research:

Applications of Non Linear Dynamical Systems (Controllability, Observability and Stability)

Honors and Awards

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Courses Taught

S.No	Course Name	Level (UG/PG)
1	Linear Algebra, Series and Calculus	UG
2	Differential Equations and Numerical Methods	UG
3	Linear Algebra and Differential Calculus	UG
4	Matrices and Differential Calculus	UG
5	Fourier Series, Fourier Transforms	UG
6	Laplace Transforms and Integral Calculus	UG
7	Complex analysis, Numerical methods and Statistics	UG

Research Profile

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?user=b8GPr-kAAAAJ&hl=en
Scopus	https://www.scopus.com/authid/detail.uri?authorId=58909276500
ORCID	https://orcid.org/my-orcid?orcid=0000-0003-3428-7989
Publons	https://www.webofscience.com/wos/author/record/ABH-1689-2022
ResearchGate	https://www.researchgate.net/profile/Lakshminarayanacharyulu-Rompicharla?ev=hdr_xprf

Recognized Research Supervisor

S.No.	Department	University
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Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
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Administrative Roles

Sl. No.	Role	Institution	Duration	Responsibilities

Certifications/MOOC Courses Completed

Sl.No	Title	Platform	Duration	Year
1	Vector Calculus for Engineers	COURSE ERA	2 Weeks	2020
2	Matrix Algebra for Engineers	COURSE ERA	2 Weeks	2020
3	Matrix Methods	COURSE ERA	2 Weeks	2020
4	Differential Equations for Engineers	COURSE ERA	2 Weeks	2020
5	Mathematics for Machine Learning: Linear Algebra	COURSE ERA	2 Weeks	2020
6	RESEARCH METHODOLOGY	JNTUK	15Days	2015
7	INTELLECTUAL PROPERTY RIGHTS	JNTUK	15Days	2015

Consultancy / Industry Projects

Completed	-
On-going	-
Applied	-

Patents

S.No	Title	Status	Application No.	Year
1.	EFFICIENT DATA INGESTION AND PROCESSING FRAMEWORK FOR REAL-TIME BIG DATA ANALYTICS IN THE CLOUD.	Published	202441002049 A	2024
2.	A SYSTEM AND METHOD FOR FORMALAL ALEBRAIC STRUCTURE ASPECTS AND	Published	202421002336 A	2024

	ALGORITHMS IN CRYPTOLOGY.			
3	A SMART CONTROL SYSTEM USING IoT FOR ELECTRIC VEHICLES MANAGEMENT AND METHOD THEREOF	Published	202341041801	2023

Ph.D

Awarded	-
Guiding	-

Invited Talks
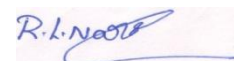
No. of Invited Talks	-

Professional Service / Reviewer

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Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	12
International / National Level Seminars	10
International / National Level Conferences	12
Workshops	10
Instructor Led / Self-Paced Courses	-
Webinars	10

Professional Bodies Membership Details

144604	International Association of Engineers (IAENG)
LM1181	Andhra Pradesh Society for Mathematical Sciences (APSMS)
L/1327	Indian Society of Theoretical and Applied Mechanics-IIT KHARAGPUR (ISTAM)

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