

# Dr. G. Kalyani



**Designation** : Associate Professor  
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**Contact at** : Department of Information Technology,  
 Velagapudi Ramakrishna Siddhartha School of Engineering  
 Siddhartha Academy of Higher Education  
 (Deemed to be University)  
 Kanuru, Vijayawada, Andhra Pradesh 520007.

## Education

### Ph. D (Computer Science and Engineering)

2018, Acharya Nagarjuna University, Guntur

### M.Tech (Computer Science and Engineering)

2010, Jawaharlal Nehru Technological University, Anantapur

### B.Tech (Computer Science and Engineering)

2001, Nagarjuna University, Guntur

## Experience

Period	Designation	Institution / Organization	Key Responsibilities
2020-Till Date	Associate Professor	Siddhartha Academy of Higher Education (Deemed to be University)	Teaching, Research, Program Coordinator
2018-2020	Professor	DVR & Dr HS MIC College of Technology	Teaching, Research, NBA Coordinator
2010-2018	Associate Professor	DVR & Dr HS MIC College of Technology	Teaching, Research
2005-2010	Assistant Professor	DVR & Dr HS MIC College of Technology	Teaching
2001-2005	Lecturer	DMS SVH College of Engineering	Teaching

## Research Interests

### Broad Area of Research:

Medical & Health Sciences, Precision Farming

## Honors and Awards

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- 3 Best Paper Awards in International Conferences

## Courses Taught

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S.No	Course Name	Level (UG/PG)
1	Machine Learning	UG
2	Advanced Data Structures and Algorithms	UG
3	Data Structures	UG
4	Data Mining & Data Warehousing	UG
5	Design and Analysis of Algorithms	UG
6	Data Base Management Systems	UG
7	Operating systems	UG
8	Cryptography & Network Security	UG
9	Formal Languages and Automata Theory	UG
10	Object Oriented Analysis and Design	UG
11	Computer Organisation	UG
12	Computer Networks	UG
13	Advanced Data Structures and Algorithms	PG
14	Distributed Operating systems	PG
15	Distributed Data Base management Systems	PG

## Research Profile

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### Publications

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

Google Scholar	<a href="https://scholar.google.co.in/citations?hl=en&amp;user=Y90gjyKAAAAJ">https://scholar.google.co.in/citations?hl=en&amp;user=Y90gjyKAAAAJ</a>
Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=57197789651">https://www.scopus.com/authid/detail.uri?authorId=57197789651</a>
ORCID	<a href="https://orcid.org/0000-0001-8544-6930">https://orcid.org/0000-0001-8544-6930</a>
dblp	<a href="https://dblp.org/pid/310/5651">https://dblp.org/pid/310/5651</a>
Publons	<a href="https://publons.com/researcher/3153146/kalyani-chandra/">https://publons.com/researcher/3153146/kalyani-chandra/</a>
Research Gate	<a href="https://www.researchgate.net/profile/Kalyani_Gadupudi">https://www.researchgate.net/profile/Kalyani_Gadupudi</a>
LinkedIn	<a href="https://www.linkedin.com/in/kalyani-chandra-664306113/">https://www.linkedin.com/in/kalyani-chandra-664306113/</a>

## Recognized Research Supervisor

S.No.	Department	University
01.	Computer Science and Engineering	Jawaharlal Nehru Technological University, Kakinada
02.	Information Technology	Siddhartha Academy of Higher Education (Deemed to be University)

## Funded Research Projects

S.No	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Design and Experimental Validation of Artificial Pancreas System	On-Going	DST-SERB	11,92,100/-	3 Years
02.	Funded	Farmers Guide: An End-to-End AI based System for Precision Agriculture	Completed	SAGATE	40,00,00/-	1 Years

## Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Program Coordinator-UG (B.Tech-IT)	Siddhartha Academy of Higher Education (Deemed to be University)	2020-Present	Monitoring and Ensuring the smooth functioning of all Academic Activities related to UG- B.Tech (IT)
2	NBA Coordinator	DVR & Dr. HS MIC College of Technology	2018-2020	Ensuring the NBA related Activities maintenance and filing.

## Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Introduction to Large Language Models	NPTEL	12 weeks	2025
2.	Machine Learning for Soil and Crop Management	NPTEL	12 weeks	2024
3	Remote Sensing Essentials	NPTEL	12 weeks	2023
4	Introduction to Artificial Intelligence	INFOSIS Spring Board	--	2022

5	Feature Engineering	INFOSIS Spring Board	--	2022
6	Introduction to Deep Learning	INFOSIS Spring Board	--	2022
7	Introduction to Robotic Process Automation	INFOSIS Spring Board	--	2022
8	Accreditation and Outcome Based Education	NPTEL	08 weeks	2021
9	Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization	Coursera	--	2021
10	Deep Learning Specialization	Coursera	--	2021
11	Convolutional Neural Networks	Coursera	--	2020
12	Data Structures	Coursera	--	2020
13	Deep Neural Networks with PyTorch	Coursera	--	2020
14	Structuring Machine Learning Projects	Coursera	--	2020
15	Sequence Models	Coursera	--	2020
16	Neural Networks and Deep Learning	Coursera	--	2020
17	Introduction to Deep Learning & Neural Networks with Keras	Coursera	--	2020
18	Machine Learning for All	Coursera	--	2020
19	AI For Everyone	Coursera	--	2020
20	Machine Learning for Engineering and Science Applications	NPTEL	12 weeks	2019
21	Health Research Fundamental	NPTEL	08 weeks	2019
22	Introduction to Machine Learning	NPTEL	08 weeks	2018

## Consultancy / Industry Projects

Completed	--
On-going	--
Applied	--

## Patents

S.No	Title	Status	Application No.	Year
1	IFER- Student Behaviour Identification: Intelligent Student Behaviour Identification Using FER	Granted	2020103514	2021
2	Mental And Physical Fitness Prediction	Published	202141009027	2021

	Using Machine Learning Programming			
3	Speech Emotion Recognition Using Deep Learning.	Published	202041033146	2020

## Ph.D

Awarded	--
Guiding	02

## Invited Talks

No. of Invited Talks	04
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## Professional Service / Reviewer

- Reviewer in Journal of Computers and Electrical Engineering
- Reviewer in Journal of Journal of Intelligent & Fuzzy Systems
- Reviewer in Current Pharmaceutical Biotechnology
- Reviewer in Smart Science Journal

## Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	25
International / National Level Seminars	03 / 10
International / National Level Conferences	20 / 00
Workshops	10
Instructor Led / Self-Paced Courses	-
Webinars	10

## Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	AMI/24/0622	Artificial Intelligence, Machine Learning, Innovative Entrepreneurs, and Engineers Association (AMIEE)
2.	LM03541	Indian Society of Systems for Science and Engineering (ISSE)

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