



Dr K Gunasekaran



Designation : Associate Professor
E-Mail ID : drgunasekaran@vrsiddhartha.ac.in, drgunak@yahoo.com
Contact at : Department of Computer Science and Engineering,
Siddhartha Academy of Higher Education,
Deemed to be University, Kanuru, Vijayawada,
Andhra Pradesh 520007.

Education

Ph. D (Computer Science and Engineering)

2019, Anna University, Chennai

M.Tech (Software Engineering)

2008, Bharathidasan University, Trichy

B.Tech (Information Technology)

2005, Anna University, Chennai

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2024-till date	Associate Professor	Siddhartha Academy of Higher Education (Deemed to be University)	Ph.D. & PG guidance, Research publications, Course Coordinator
2021-2024	Associate Professor	Sri Indu College of Engineering and Technology, Hyderabad	Department NBA Coordinator, PG guidance, Research publications
2020-2021	Associate Professor	Roever Engineering College, Perambalur	PG Coordinator, Department Exam cell coordinator

Research Interests

Broad Area of Research:

Machine Learning, Image Processing, Biometrics

Honors and Awards

- Recognised as FIE “Fellow” by Institution of Engineers on Feb’25
- Certified as Wipro Certified Faculty (WCF) by Wipro Technologies on Dec’24.
- Honoured as a Session Chair for IEEE sponsored ICCSP’24 conducted by Adhiparasakthi Engineering College, Melmaruvathur.
- Honoured as an Active Coordinator for conducting a national conference by MZCET, Pudukkottai.

Courses Taught

S.No	Course Name	Level (UG/PG)
1.	Incident Response and Threat Intelligence	PG
2.	Advanced Data Structures	PG
3.	Wireless Sensor Networks	PG
4.	Mobile AdHoc Networks	PG
5.	Machine Learning	UG
6.	Computer Networks	UG
7.	Software Engineering	UG
8.	Operating Systems	UG
9.	Scripting Languages	UG
10.	Natural Language Processing	UG
11.	Artificial Intelligence	UG

Research Profile

Publications

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

Google Scholar	https://scholar.google.com/citations?hl=en&user=khGBjDEAAA&view_op=list_works&sortby=pubdate
Scopus	https://www.scopus.com/authid/detail.uri?authorId=57219427870
ORCID	https://orcid.org/my-orcid?orcid=0000-0003-1677-6308
dblp	https://dblp.org/pid/246/9049.html

Recognized Research Supervisor

S.No.	Department	University
01.	Computer Science and Engineering	Siddhartha Academy of Higher Education (Deemed to be University)

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	Q-VLM-RS: A Hybrid Quantum Vision-Language Model for Geospatial Intelligence In Indian Terrains	Applied (As a Co-PI)	NQM-DST	93 Lakhs	3 Years
02.	Funded	Setting up Undergraduate Teaching Laboratories In Quantum Technologies	Applied (As a Co-PI)	DST	95 Lakhs	6 Years
03.	Funded	Design and Implementation of Quantum Authentication Tool	Applied (As a Co-PI)	FIST-DST	232 Lakhs	5 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Department NBA Coordinator	Sri Indu College of Engg & Tech	2021-2024	Preparation of SAR, Incharge of Criterion – 2
2	Department Exam cell coordinator	Roever Engineering College	2020-2021	Smooth conduction of Internal exams and uploading internal marks to the University.

Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Database Solutions Expert	WIPRO	8 Weeks	2025

Patents

S.No	Title	Status	Application No.	Year
1.	Machine learning driven health risk prediction tool for obesity and lifestyle related diseases	Published	202441103720	2025
2.	Development of IOT based Flood Alert System	Published	202141053947	2021
3.	Artificial Intelligence based nerve activation device for Healthcare treatment	Granted (Design)	375089-001	2024
4.	Oxygen level monitoring device	Granted (Design)	397071-001	2024

Ph.D

Awarded	NIL
Guiding	01

Invited Talks

No. of Invited Talks	02
-----------------------------	----

Professional Service / Reviewer

- Reviewer in Journal of Evolving Systems, Springer
- Reviewer in Journal of Neural Computing & Applications, Springer.
- Reviewer in Journal of Signal, Image & Video Processing Applications, Springer
- Editor of "The Future of Wind Energy" a Scopus indexed book published by Nova Science Publishers, USA

Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	15
International / National Level Seminars	-
International / National Level Conferences	07 / 04
Workshops	09
Instructor Led / Self-Paced Courses	-
Webinars	10

Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	F-1314706	Fellow of Institution of Engineers (FIE)
2.	LM64819	Life Member of Indian Society for Technical Education (ISTE)
3.	301539	Member of International Association of Engineers

(Dr K Gunasekaran)
