

# Dr.G.CHARAN KUMAR



**Designation** : Senior Assistant Professor  
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**Contact at** : Department of Mathematics,  
Velagapudi Ramakrishna Siddhartha Engineering College,  
Kanuru, Vijayawada, Andhra Pradesh 520007.

## Education

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### Ph. D (Spatial Graph Theory)

2020, Sri Krishnadevaraya University, Anantapuramu

### M.Sc (Applied Mathematics)

2008, Andhra University, Visakhapatnam

### B.Sc (M.P.C)

2006, Andhra University, Visakhapatnam

## Experience

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Period	Designation	Institution / Organization	Key Responsibilities
December 2025-Till to date	Senior Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Research publications
2012-2025	Assistant Professor	KL Deemed to be University	Syllabus framing, Ph.D. guidance, BOS, Research Publications, Academic Leadership, NBA/NAAC Coordination.
2008-2012	Assistant Professor	Gokul Institute of Technology & Science	Academic Leadership, NBA Coordination. Classroom In charge

## Research Interests

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### Broad Area of Research:

Fluid Dynamics, Spatial Graph Theory

## Honors and Awards

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- Associate fellow Member of Andhra Pradesh Academy of Sciences [2021]
- Fellow Member of Scholars Academic and Scientific Society [2021]
- Received Best Teacher Award from KLEF, [2021,2024]
- Appreciation for the Research Contribution towards Research Article Publications [2021-2025].

## Courses Taught

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S.No	Course Name	Level (UG/PG)
1	Probability and Statistics	UG
2	Research Methodology and Bio statistics	UG & PG
3	Mathematical Foundation and Computer Sciences	UG & PG
4	Higher Engineering Mathematics	UG
5	Complex analysis and Transforms	UG
6	Numerical Methods	UG

## 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.com/citations?user=k9ALTkwAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=k9ALTkwAAAAJ&amp;hl=en</a>
Scopus	<a href="https://www.scopus.com/authid/detail.uri?authorId=57184377600">https://www.scopus.com/authid/detail.uri?authorId=57184377600</a>
ORCID	<a href="https://orcid.org/0000-0003-1680-2078">https://orcid.org/0000-0003-1680-2078</a>
Publons	<a href="https://www.webofscience.com/wos/author/record/ABA-4724-2020">https://www.webofscience.com/wos/author/record/ABA-4724-2020</a>
Research Gate	<a href="https://www.researchgate.net/scientific-contributions/G-Charan-Kumar-2228658716">https://www.researchgate.net/scientific-contributions/G-Charan-Kumar-2228658716</a>
LinkedIn	<a href="http://www.linkedin.com/in/dr-charan-kumar-g-50b86a38">www.linkedin.com/in/dr-charan-kumar-g-50b86a38</a>

## Recognized Research Supervisor

S.No.	Department	University
01.	Department of Mathematics	KL Deemed to be University, Guntur
02.	Department of Mathematics	SR University, Warangal

## Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded as CO PI	Optimization of process parameters using different statistical designs by development improved algorithms	On Going	RUSA	10,00,000	2 Years

## Certifications/MOOC Courses Completed

S.No.	Title	Platform	Duration	Year
1.	Descriptive statistics with R Software	NPTEL	8 Weeks	2019
2.	Graph theory	NPTEL	8 Weeks	2019
3.	Faculty Development Program on Data Science	APSSDC	30Days	2020
4.	Faculty/Student Development Program on R Programming	APSSDC	20Days	2020
5.	Visual Elements of User Interface Design	Course Era	2 Weeks	2023
6.	Design Thinking for	Course Era	2 Weeks	2023

	Innovation			
7.	Speak English Professionally: In Person,	Course Era	2 Weeks	2022
8	<i>Basic Data Descriptors, Statistical Distributions, and Application to Business Decisions</i>	Course Era	2 Weeks	2022
9	<i>Basic Data Descriptors, Statistical Distributions, and Application to Business Decisions</i>	Course Era	2 Weeks	2022
10	<i>Write Professional Emails in English an online</i>	Course Era	2 Weeks	2022
11	<i>COVID19 Data Analysis Using Python</i>	Course Era	2 Weeks	2021
12.	<i>Differential Equations for Engineers</i>	Course Era	2 Weeks	2021
13	<i>The Data Scientist's Toolbox</i>	Course Era	2 Weeks	2020
14	WHAT IS LEADERSHIP -2	<i>Future Learn</i>	2 Weeks	2020
15	HOW TO TEACH ONLINE: PROVIDING CONTINUITY FOR STUDENTS	<i>Future Learn</i>	2 Weeks	2020
16	CREATE A PROFESSIONAL ONLINE PRESENCE -	<i>Future Learn</i>	2 Weeks	2020
17	<i>THE NOVEL CORONA VIRUS</i>	<i>Future Learn</i>	2 Weeks	2020
18	<i>COMPUTER PROGRAMMING FOR EVERYONE</i>	<i>Future Learn</i>	2 Weeks	2020

19	COMMUNICATION AND INTERPERSONAL SKILLS AT WORK	<i>Future Learn</i>	2 Weeks	2020
20	COLLABORATIVEWORK ING IN A REMOTE TEAM-	<i>Future Learn</i>	2 Weeks	2020

## Consultancy / Industry Projects

Completed	00
On-going	01
Applied	02

## Patents

S.No	Title	Status	Application No.	Year
1.	The novelty resides in the shape and configuration of the MASHER	Published	337646-001	2021
2.	SENSOR BASED ROBOT FOR UV-C DISINFECTION	Published	36296264	2023
3.	Design of Safety Bangle	Published	343246-001	2021
4.	Design of Novel Thermo meter	Published	338647-001	2021
5.	Live Webcasting	Published	352101-001	2022

## Ph.D

Awarded	00
Guiding	03

## Professional Service / Reviewer

- Editorial Board Member-Odaswa Academic of Publishing.
- Editorial Board Member-World Journal of Engineering Research and Technology.
- Reviewing for OCEANOLOGIA-ISI Science Citation Index Expanded and SCOPUS content coverage.
- Reviewing for Journal of Engineering Science and Technology (JESTEC)-ESCI Science Citation Index and SCOPUS content coverage
- Reviewing for Journal of Radiation Research and Applied Sciences (JRRAS).

- Reviewing for International Journal of Thermofields – Scopus Journal
- Reviewing for International Journal of electrical and computer Engineering
- Reviewer for the International Journal of Research and Innovation in Applied Science (IJRIAS).
- Reviewer for Heat and Mass Transfer
- Reviewer for CFD Letters

## Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	10
International / National Level Seminars	04 / 03
International / National Level Conferences	05 / 10
Workshops	15
Instructor Led / Self-Paced Courses	14
Webinars	20

## Professional Bodies Membership Details

S.No.	Membership No.	Society Name
1.	951	Andhra Pradesh Society for Mathematical Sciences
2.	156479)	International Association of Engineers [IAENG].

(G. Charan Kumar)

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