PROFILE OF Dr. P. KALAVATHI



1. Designation : PROFESSOR & HEAD
   DEAN, School of Comp. Science & Technologies
2. Centre / Department / School : Computer Science and Applications
3. Qualification : M.C.A., M.Phil., Ph.D.,
   Cleared UGC-NET(Lectureship) in 2000
4. Experience (in years) : Teaching: 24 years
   Research: 12 years
5. Area of Specialization : 1) Medical Image Processing and Analysis
   2) Computer Network & Internet of Things
6. Mobile Number : 9445898371
7. E-Mail ID : pkalavathi.gri@gmail.com
8. Orcid ID : https://orcid.org/0000-0003-3378-1715
9. Google Scholar ID : fiDU-1YAAAAJ
10. IRINS Link for detailed profile : https://ruraluniv.irins.org/profile/107255
11. Research Guidance :

Degree	Awarded		Guiding
	Total	For the period 2019-2024	
Ph.D.	6	6	8

12. Publications

S.No.	Category	Total
1.	No. of WoS/Scopus/UGC CARE listed Publications	69
2.	Books Published	5
3.	No. of Chapters in Edited Volume /Proceedings	29

Select Publications (2019-2024) (upto 5 publications)

S.No.	Title of the Article	Name of the Journal	I/N	ISBN/ ISSN	Vol.	Pg.	Month and Year
1.	An Empirical Selection of Wavelet for Near-Lossless Medical Image Compression	Current Medical Imaging	I	e1875-6603	20	1-24	2023
2.	Near Lossless Compression for 3D Radiological Images Using Optimal Multilinear Singular Value Decomposition	Journal of Digital Imaging	I	0897-1889	36(1)	259-275	2022
3.	Computational 2D and 3D medical image data compression models	Archives of Computational Methods in Engineering	I	1134-3060	29(2)	975-1007	2021

4.	A reliable link quality-based RPL routing for Internet of Things	Soft Computing	I	1433-7479	26(1)	123-135	2021
5.	On a hybrid lossless compression technique for three-dimensional medical images	Journal of Applied Clinical Medical Physics	I	1526-9914	22(8)	191-203	2021

13. Sponsored Projects:

Major Projects handled so far		Major Projects handled during 2019-2024	
Nos.	**Financial Outlay (Rs.in lakhs)**	**Nos.**	**Financial Outlay (Rs.in lakhs)**
2 (PI)	37,65,812/-	2	37,65,812/-
1 (Project Mentor)	25,53,600/-	1	25,53,600/-

14. No. of Seminars/Conferences/Workshops organized : 25
15. No. of presentations in Seminars/Conferences : 46
16. No. of Patents : 01
17. No. of Awards and Honours (from recognized Govt. agencies) : 05
18. No. of Invited Talks in National / International Conferences : 63
19. Visits Abroad: *(List of countries visited for academic purposes)* : 01
20. No. of Extension Activities Organized through NSS and VPP : 440
21. Additional Responsibilities:
    - **Dean,** School of Computer Science & Technologies, Since August 2025
    - **Head of the Department**, DCSA,GRI (23.03.2017-22.03.2020 & 24.07.2024 to till date
    - **Member, Planning and Monitoring Board**, GRI (5.12.2019 to 22.03.2020) & (01.07.2020 to 05.07.2021).
    - **Member, Board of Management**, GRI (01.07.2021 to 05.07.2021).
    - **Member, Academic Council**, GRI (May 2012 to April 2014), (April 2017 to 22.03.2021) & (01.07.2021 to till date)
    - **Member, Academic Committee**, MTWU, Kodaikanal, from Mar. 2017 to Mar. 2020.
    - **Member Academic Advisor,** CHRIST (Deemed to be University), Pune 2024 to till date
    - **Chair Person & Member, BoS**, DCSA, GRI.
    - **University Programme Coordinator**, NSS, GRI from 03.09.2015 to 01.07.2018.
    - **Coordinator, Red Ribbon Club**, GRI from 03.09.2015 to 01.07.2018.
    - **Subject Coordinator**, UGC-NET Coaching in Computer Science, DCSA. GRI. (2010-2018)
    - **Department Library In-charge**, DCSA, GRI from Dec. 2001 to Nov. 2005.
    - **Programme Officer,** National Service Scheme, GRI from 01.10.2003 to 20.01.2009.
    - **BoS Member, Question paper setter and Examiner** in various colleges and Universities in Tamilnadu and other Sates of India.
22. Any other notable Achievements:
    - Received **National Young Leadership Award to GRI NSS Unit** on 5.10.2016, Ministry of Youth Affairs & Sports, Government of India and Participation of **GRI NSS Volunteers** in State/National Republic Day Parade, January 2017 & January 2018 while serving as NSS coordinator at GRI.