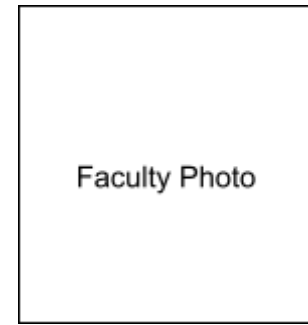


Faculty Profile

Brief Profile (Few Paragraphs)



Personal Information

- **Name:** Dr Padmashree T
- **Designation:** Associate Professor and Associate Dean (PG Studies)
- **Department:** Information Science and Engineering
- **Email:** padmashreet@rvce.edu.in
- **Phone:** 080-68188250

Google Scholar / ResearchGate / LinkedIn: [Link if applicable]/ **ORCID:** [Link]

<https://scholar.google.com/citations?user=qJcNR50AAAAJ&hl=en/>

ResearchGate: https://www.researchgate.net/profile/Padmashree-T?ev=hdr_xprf

LinkedIn: <https://www.linkedin.com/in/dr-padmashree-t-87766ba3/>

ORCID Link: <https://orcid.org/my-orcid?orcid=0000-0001-9332-2970>

Domain of Expertise

Research Focus

- **Primary Area:** Computer Networks
- **Allied Areas:**
 - Information Security, Cryptography
 - Cybersecurity

Academic Qualifications

- **Ph.D.:** [Computer Science], [**Visvesvaraya Technological University**], [2019] (Wireless Sensor networks for Healthcare networks)
- **M.S. :** [Computer Science], [**Pace University, New York, USA**], [2005]
- **B.E.:** [Computer Science and Engineering], [**Visvesvaraya Technological University**], [2003]

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering	Associate Professor and Associate Dean (PG Studies)	2025-Till Date
2.	RV College of Engineering	Associate Professor	2021-Till Date
3.	RV College of Engineering	Assistant Professor	2014-2021
4.	Dayananda Sagar College of Engg.	Assistant Professor	2011-2014
5.	RV College of Engineering	Lecturer	2005-2010

Publications & Patents

1. Dr.N.K.Cauvery, Padmashree T, "A Short Study of Wireless Sensor Networks in Healthcare Networks" in International Journal for Mobile and Ad-hoc Networks, Volume 2, Issue 2, May 2012.
2. Dr.N.K.Cauvery, Padmashree T, "A Novel approach for Congestion Control in Healthcare Wireless Sensor Networks" in International Journal of Computer Science and Communication, Volume III, Number II, September 2012.
3. Dr.N.K.Cauvery, Padmashree T, Manasa M B "Distributed Algorithm for Independent Fairness Management to Control the Congestion in Wireless Sensor Network" in (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 5 (6), 2014, 7602-7605.
4. Saurav Mawandia, Padmashree T, Dr.N K Cauvery, "Secure sharing and storage of personal health records in Cloud and reading current health data use Sensor Networks", International Journal for Scientific Research and Development, | ISSN (online):2321-0613, 2015.
5. Suprith S ,Dr.N.K.Cauvery, Padmashree T Published a paper in "Simulative Study of LoCoDuo with LEACH For Routing In WSN" in International Journal for Innovative technology and research, IJITR (Vol-3, Issue-3, April - May 2015).
6. Dual Buffer Mechanism using LoCoDuo for Congestion Control in Healthcare WSN, Applied and Theoretical Computing and Communication Technology (iCATccT), 2015 International Conference, 29-31st October 2015, IEEE Digital Xplore, DOI: 10.1109/ICATCCCT.2015.7456847 (**Listed in Web of Science**)
7. Padmashree T, Dr.N.K.Cauvery, Smitha G R, "Advanced Wireless Telemedicine application using Embedded Sensor and Android OS", International Journal for Advanced Research in Computer Engineering and Technology, Volume 4, Issue 8, September, 2015.
8. Padmashree T, Dr.N.K.Cauvery, Anirudh V C, Punith Kumar, "Patient Health Monitoring System and Prediction using Data Analytics", International Journal of Innovations in Engineering and Technology (Thomson Reuters), Volume 8, Issue-1, ISSN: 2319 – 1058, Pg-162-164, February , 2017.
9. Swetha Kumari. B. G , Padmashree. T, Dr.Cauvery N. K , "Android Based Body Temperature, Heart rate And Drowse Sensor Monitoring Using An SMS Based Telemedicine System", IAETSD Journal for Advanced Research in Applied Sciences, Volume 4, Issue 1, ISSN (Online): 2394-8442, Pages - 106-111, Scopus Index ID - 50E4CF07B9886F83, June ,2017.
10. Aditya Vikram , Priyank Avijeet , Krishanu Takhtani , Padmashree T, Dr. Cauvery N K ,Congenital Heart Disease: A Survey Report and Prediction, IAETSD Journal for Advanced Research in Applied

- Sciences, Volume 4, Issue 1, ISSN (Online): 2394-8442, Pages-524-526, Scopus Index ID - 50E4CF07B9886F83, June, 2017 (**Best Project Award**)
11. Padmashree T., Cauvery N.K., Chavan S. (2018) Performance Analysis of WSN Routing Protocols with Effective Buffer Management Technique. Information and Communication Technology for Intelligent Systems - Volume 1. Smart Innovation, Systems and Technologies, Vol 83. Springer, Cham DOI https://doi.org/10.1007/978-3-319-63673-3_11, Print ISBN978-3-319-63672-6 (**Listed in Web of Science**)
 12. Padmashree T, Chaithra L J, "IoT Analytics based Framework to closely monitor patients with Parkinson's disease (PD)", International Conference on Multimedia Processing, Communication and Information Technology, June 8-9, 2018 in association with Institute for Exploring advances in Engineering (IEAE), J.N.N.C.E, Shimoga.
 13. Gurudat K S, Padmashree T, "A Better solution towards microservices communication in Web Applications: A Survey", International Journal of Innovative Research in Science and Technology, ISSN: 2347-5552, Volume-7, Issue-3, May 2019, DOI: 10.21276/ijircst.2019.7.3.7 (Open Access and Copernicus indexed)
 14. Amrutha Narayan Hegde, Padmashree T, " Privacy preserving authentication Technique- Trust by Computation, Journal for Scientific Research and Development, Volume 7, Issue 2, 2019, ISSN: 2321-0613,Pg 1940-1944. (Publons and Copernicus indexed)
 15. AV Akhil Krishna, Dr.Padmashree T, "A Survey on Current Technologies for Web Development", International Journal of Engineering Research & Technology, Vol. 9 Issue 06, June-2020 Pg 288-290
 16. Ashritha S, Dr. Padmashree T, "Challenges of Testing Machine Learning Based Systems", Elsevier Publications, Review 2 completed
 17. Ashritha S, Dr. Padmashree T, "Machine Learning for Automation Software Testing", Elsevier Publications, Review 3 completed.
 18. Prajwal S, Dr. Padmashree T, "IOT Based Accident Care and Traffic Management System", International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 06 | June 2020, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Pg 1016-1019
 19. Raj V Garag, Akhil Krishna, Dr.Padmashree T, E-Voting System Using Blockchain , International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 07 | June 2020, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Pg 1-6
 20. Raj V Garag, Dr. Padmashree T, GST Invoice generation and Verification Tool, International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 05 | May 2020, e-ISSN: 2395-0056, p-ISSN: 2395-0072, Pg 2712-2715
 21. Bharath M S, Dr.Padmashree T, Voice over IP mobile telephony using Wi-Fi, International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X Impact factor: 6.078 (Volume 6, Issue 4), Pg 462-465
 22. Dr.Padmashree T, Prof.Sushmitha N, "IMPACT OF COVID-19 ON PSYCHOLOGICAL WELL BEING", UGC and ISSN Approved - International Peer Reviewed Journal, Refereed Journal, Indexed Journal, Impact Factor: 5.75, E-ISSN 2348-1269, P- ISSN 2349-5138, Volume 7 | Issue 3 | September 2020
 23. Dr.Padmashree T, Sampan S Nayak, "5G Technology for E-Health", Proceedings of the Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC) IEEE Xplore Part Number:CFP20OSV-ART; ISBN: 978-1-7281-5464-0 ©2020 IEEE, Pg 211-216, October 2020
 24. Shetty S.A., Padmashree T., Sagar B.M., Cauvery N.K. (2021) Performance Analysis on Machine Learning Algorithms with Deep Learning Model for Crop Yield Prediction. In: Jeena Jacob I., Kolandapalayam Shanmugam S., Piramuthu S., Falkowski-Gilski P. (eds) Data Intelligence and Cognitive Informatics. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-15-8530-2_58 (**Published as Book Chapter in Springer**)

25. Bharath MS, Padmashree T, Design and development of embedded system using CAN Protocol, International Journal of Advance Research, Ideas and Innovations in Technology, ISSN: 2454-132X, Impact Factor: 6.078 (Volume 7, Issue 3 - V7I3-1425), 2021
26. Shetty S.A., Padmashree T, Evaluation of cross-platform application development frameworks, Journal of Emerging Technologies and Innovative Research, Volume 8, Issue 5, May 2021
27. Chirag R Shetty, Dr. Padmashree T, Automation Test Suite for Mobile and Web Applications, Journal for Science, Technology and Development (UGC Approved), ISSN : 0950-0707 Page No 473-476, Volume X Issue VI JUNE 2021.
28. Raghavendra J C, Dr.Padmashree T, Data Quality Associated with Big Data Processing: A Survey, Journal of University of Shanghai for Science and Technology, Volume 23 - Issue 6 – 2021 Paper ID: JUSST/21/05-386 D.O.I - 10.51201/JUSST/21/05386, ISSN:1007-6735, June 2021
29. Dr.Padmashree T, Prof.Soumya N G, Impact of Technology on Child Psychology and Behavior, presented in WORLD CHILDREN CONFERENCE-II May 21-23, 2021 / Nicosia / Turkish Republic of Northern Cyprus Özay Günsel Children University
30. Dr. Sagar BM, Dr. Cauvery NK, Dr.Padmashree T, Rice and Wheat Yield Prediction in India Using decision tree and random forest, International Conference on Big Data, Computer Science and Information Technology (ICBDCSIT-22), South Asia Institute of Research and Publications, Bengaluru, India, June 2022.
31. HariPriya V Joshi, Dr.Padmashree T, "A machine learning aid to predict diseases based on lifestyle and symptoms", **Submitted for publication in Web of Science Journal Entomologica bari.** <https://mjl.clarivate.com/search-results>., June 2022.
32. Nishanth S ; Manu S Rao ; Sagar B M ; Padmashree T ; Cauvery N K , Performance of CPUs and GPUs on Deep Learning Models, 6th International Conference on Electronics, Communication and Aerospace Technology, IEEE Publication, DOI: 10.1109/ICECA55336.2022.10009148, January 2023.
33. BG Chaitra, Sagar BM, Padmashree T, Cauvery NK, "Forecasting Crop Yield with Machine Learning techniques and Deep Neural Network", ICIVC 2022, Springer Book Series Proceedings in Adaptation, Learning and Optimization Volume -1 , Issue -1, ISBN 978-3-031-31164-2 (eBook) , Pg 532–542 <https://doi.org/10.1007/978-3-031-31164-2> April 2023.

Patents **[Filed]**

1. [Artificial Intelligence (AI)-Powered Customizable Clothing System with AI Generated Music and Method Thereof], [202541057481], [2025].

R & D Grants & Consultancy Projects

Ongoing & Completed Consultancy Projects

- **[Zero Knowledge Proof]** – Funding Agency: [JP Morgan Chase Bank Limited, Bengaluru], Duration: [2023-2024], Role: [PI].
- **[ePRo App / Web portal development for Healthcare sector]** – Funding Agency: [SyMetric Systems], Duration: [2020-2020]

Professional Memberships

- **IEEE Senior Professional Member**
- **Life Member of ISTE (The Indian Society for Technical Education):** Organization for promoting the quality and standards in Technical education.

- **Life Member of CSI (Computer Society of India):** is a professional body aiming to improve teaching and learning by organizing workshops, seminars and paper publications.
- **Life Member of SCIEI**
- **Life Member of SCRS**

Awards & Recognitions

1. Invited Panelist at the WSIS Forum 2022, organized by ITU, Geneva, Switzerland to deliver talk on “Technology inclusion and security for the elderly to work in the cyberspace for digital financial services”. Conducted online and over 9000+ participants across 193 countries witnessed the talk.
2. Paper on “Impact of Technology on Child Psychology and Behaviour” presented as a part of World Children Conference is selected as book Chapter among the 150 papers presented. (only five chaptered Children themed book which will be published by Turkish Republic of Northern Cyprus)
3. Felicitated by ISTE-RVCE chapter for award of Ph.D. degree as a part of teacher’s day celebration- 2019.
4. Felicitated by RSST for Scopus index publication on Jan 26th 2019.
5. Felicitated by RSST for VTU E-shikshana classes conduction on Jan 26th 2020.
6. Felicitated by RSST for award of Ph.D. degree on Jan 26th 2020.
7. Course topper for “Introduction to Research” course in NPTEL, conducted by IIT, Madras, 2016
8. Appreciation received for exceptional contribution as Primary evaluator for Toycathon 2021 (A Govt. of India initiative- Ministry of Education’s innovation cell).
9. Record of Achievement – Delivering Outcome based essay on: Staying healthy and safe at work during the COVID-19 pandemic – The outlook of an Indian individual- July 2021.

Coding Club, RVCE

Faculty Co-Ordinator

2019 - Present

- Fostered a robust coding culture which benefitted students across the campus.
- Organized numerous events including Hackathons, Capture the flags, competitive coding rounds, sessions of web development, machine learning and other technologies.
- Conducted pre-placement sessions at other institutions, highlighting the importance of coding platforms.

Student Supervision –

- Guiding UG, PG Projects
- Mentoring students for Projects under coding club
- Mentoring students for projects under Centre of Excellence in Computational Genomics

Professional Roles

- **Editorial Board:**
 - Editor for Journal for Network Security
 - Chief Editor for European Journal
 - Reviewer for Springer Journal, various IEEE and Springer conferences
- **Chief Co-ordinator - The 8th International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS) during November 7-9, 2024**

- Chief Co-ordinator- 1st International Conference on AIMLBIO during December 2023.

Teaching

Core Courses:

- Computer Networks, Cryptography Network Security, Database management systems, Programming in C,

Professional Roles

Responsibilities

- Academic:
- Administrative:

Sl. No.	Name of the Committee	Member	Main Coordinator
1.	Policy Review and Advisory Committee (PRAC)	Yes	-
2.	Compliance / Offline and Online Documentation Committee (AICTE, UGC, VTU, DTE, NIRF, NAAC)	-	Yes Along with Vice Principal
3.	Innovation Cell and Industry Connect	Yes	-
4.	Academic Planning and Monitoring Committee	-	Yes Along with Dean Academics
5.	Student Related Committees	-	CAT, NSS, NCC, Center for Gandhian Studies, Science Forum, Magazine Committee
6.	Information and Public Relation Committee	Yes	-
7.	Grievance Redressal Cell	Yes	-
8.	Anti-Ragging/ Drug Abuse/Smoking / Alcohol – Review Committee and College Level	-	Yes
9.	Institution Innovation Council	Yes	

External Connect

- Member of BoS / BoE

No.	Event	Institution/Organization
1	BoE Member	● Ramaiah Institute of Technology, Bengaluru ● ISE, SJBIT, Bengaluru ● ISE, DSCE, Bengaluru ● Jain University, Bengaluru ● AI/ML , DSATM, Bengaluru

2	Member for Board of Studies	Jain University Bengaluru
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