



Dr.Yamini.G

Objective

To continue my career in environments that utilize my extensive education, facilitate interactive and research-oriented learning to benefit mutual growth and success.

Educational Profile

Ph.D Computer Science, Regular Stream, Bharathidasan University, Trichy, in year 2021.

M.Tech Computer Science from Periyar Maniammai University (Vallam) with 80% in year Apr 2014.

M.Phil Computer Science from Shrimathi Indira Gandhi College (Trichy) with 79.6% in year Feb 2004.

M.Sc Computer Science from Shrimathi Indira Gandhi College (Trichy) with 70% in year Apr 2001.

B.Sc Computer Science from Shrimathi Indira Gandhi College (Trichy) with 59.6% in year Apr 1998.

Higher Secondary in Computer Science from Sri jayendra matriculation higher secondary school (Trichy) with 62% in year Mar 1995.

Secondary from Girls higher secondary school, Srirangam with 75% in year Mar 1993.

Experience Summary

- Working as Assistant Professor in PG & Research Department of Computer Science, National College, Tiruchirappalli. (**Qualification Approval from Bharathidasan University for Assistant Professor in Computer Science Department**)
- Worked as guest faculty in School of Computer Science, Engineering and Applications, Bharathidasan University, Khajamalai campus, Trichy. (July 2011 to April 2019)
- Worked as a Lecturer in Kurinji College of Arts and Science, Trichy. (Jul 2006 to May 2010)

- Two and half years as a Teaching Assistant in Kurinji Engineering College, Manapparai, Trichy. (Oct 2003 – Apr 2006)
- As a Programmer in MIET Engineering college for 1 year (2001-2002). Handled classes for Ist year and IInd year Computer Science students.

Skill / Research

- Appointment as **Peer Reviewer** of International Conference on Machine Vision, Image Processing & Imaging Technology (**MVIPIT 2023**), **September 22-24, 2023, Hangzhou, China**
- Life time membership in **Edwin Group of Journals**
- Received senior member in **EAI**, who achieved the top 1% in their EAI Index value among the entire EAI Community in the calendar year 2019. <https://blog.eai-conferences.org/2020/11/25/announcing-eai-senior-members-class-of-2020/>
- Acted as resource person in one day faculty development programme at Sudharsan College of Arts and Science, Affiliated to Bharathidasan University, Pudukkottai Dt: 18/12/2018
- Interested in handling subjects like Microprocessor, VLSI, Data Structures, Multimedia, Software Engineering, Bioinformatics, Database Management System, IoT.
- Procured M.Phil Research Adviser (04/10/2006) in Computer Science from Bharathidasan University, Ref No: 29617
- Procured Approval of qualification of lectures in Computer Science, from Bharathidasan University, with reference to UGC notification and syndicate resolution in the year 2007.
- Procured M.Phil Research Adviser (16/02/2008) in Computer Science from Periyar Institute of Distance Education(PRIDE), Periyar University, Salem, Tamilnadu.
- Guided around 20 M.Phil regular graduates, Bharathidasan University, from the Institutions Kurunji College of Arts and Science-Trichy, Department of Computer Science, Bharathidasan University, Khajamalai Campus, Trichy.

Faculty Development Program

1. **FDP** on “Leveraging AI for smart Teaching” from 04th to 09th March 2024, organized by Department of Information Technology, Bishop Heber College (Autonomous), Tiruchirappalli.

2. **FDP** on “Gen Z College Journey: Challenges & Opportunities”, from 01st to 07th March 2024, organized by PG Department of Commerce & Department of Commerce with CA in association with Institution’s Innovation Council, Aiman College Of Arts & Science for Women, Tiruchirappalli.
3. **FDP** on “Deep Dive into Data Science: Statistics and Data Handling through Excel and SPSS” from 9th to 13th October, 2023 organized by Academic Staff College, Dr.M.G.R Educational and Research Institute, Maduravoyal, Chennai
4. **FDP** on “Recent Trends in Research Methodology” from 22nd to 27th September, 2023 organized by Department of Computer Science, Bishop Heber College (Autonomous), Tiruchirappalli.
5. **FDP** on “EDUCATION 5.0” from 15th May to 19th May, 2023 organized by Department of Information Technology in association with Academic Staff College, Dr.M.G.R Educational and Research Institute, Maduravoyal, Chennai.

Seminars / Workshop Participated

1. National Level Webinar on “ A GUI way to learn Machine Learning: An Interdisciplinary workshop on workshop for researchers, Organized by Annai Vailankanni college of Engineering, Kanyakumari, and SanSnow’s Nobel Professional Foundation(Approved by MSME and Ministry of Corporate Affairs, Government of India) on March 01st 2024.
2. Webinar on “Android Insights”, Organized by Department of ECE, Loyola Institute Of Technology, Chennai on 18th June 2020
3. Webinar on “Image and Video Analytics”, Organized by Department of ECE, Loyola Institute Of Technology, Chennai on 17th June 2020
4. International webinar on “Compliance 101 and Design for Compliance”, organized by IEEE Communications Society Students Chapter, Department of Electronics and Communication Engineering, Sreenidhi Institute of Science and Technology, Hyderabad, in association with IEEE Product Safety Engineering Society, India on 13th June 2020.
5. One Day Workshop on Hands on Training in “Bioinformatics using PERL”, organized by Computer Society Of India, Tiruchirappalli Chapter in association with Bharathidasan University Technology Park and UCE, BIT Campus, Anna University, Tiruchirappalli on 06th March 2020.
6. International seminar on “Research Concepts in Big Data Analytics and Internet of Things”(sponsored by DST-PURSE, Govt. of India), organized by the Department of Computer Science and Engineering, Bharathidasan University, Tiruchirappalli on 20th March 2018.
7. One day seminar on “Cyber Security and Ethical Hacking”, organized by the Department of Computer Science and Engineering, Bharathidasan University, Tiruchirappalli on 1st March 2018.

8. International workshop on “World Class Curriculum Design for Computer Science with Research Aspects”, organized by the Department of Computer Science and Engineering, and Curriculum development cell(Computer Science), Bharathidasan University, Tiruchirappalli on 15th November 2017.
9. International workshop on “World Class Curriculum Design for Computer Science”(Sponsored by Department of Higher Education, Govt. of Tamil Nadu), organized by the Department of Computer Science and Engineering, and Council for college and Curriculum development, Bharathidasan University, Tiruchirappalli on 28th July 2017.
10. International Seminar on Future Programming Languages (ISOFP’17), organized by PG Department of Computer Science, Bharathidasan University Constituent College for Women, Orathanadu on 23rd January 2017.
11. One day National Seminar on “Recent trends in Computer Science” organized by Bharathidasan University, Khajamalai Campus, Trichy, on 3rd Feb 2016.
12. One day National Seminar on “Big Data Analytics”, organized by Bharathidasan University, Khajamalai, in association with University Business Collaboration Centre (UBCC) and Computer Society of India, Trichy Chapter, on 25th February 2015.
13. Free Software training to UG and PG students through Distance Learning Program by Spoken Tutorial (ICT) based Software Training”, organized by Bharathidasan University in collaboration with Spoken Tutorial Project, IIT Bombay, on 30th January 2015.
14. One day workshop on “Data Analysis using SPSS ‘22’ ”, organized by Department of Economics, Department of Statistics, Bharathidasan University Technology Park, SPSS South Asia, Bangalore, on 6th Jan 2014.
15. National Seminar, “ICT Festival-2013”, organized by School of Computing Sciences and Engineering, Periyar Maniammai University, Vallam, during 25th-27th April 2013.
16. National seminar on Cloud Computing, organized by Bharathidasan University Technology Park in association with Departments of Information Technology, Computer Science and MCA, Shrimati Indira Gandhi College and Computer Society of India, Trichy Chapter, on 26th September 2012, at Technology Park, Bharathidasan University, Tiruchirappalli.
17. UGC sponsored National Seminar on “Recent Trends in Information Technology”, Department of Computer Science, H.H.Rajah’s College(Autonomous), Pudukottai, 26th Feb 2012.
18. “National e-Governance Plan (NeGP) Awareness Campaign Workshop”, (sponsored by Ministry of Communications and Information Technology, Govt.of India, Newdelhi) at Bharathidasan University Technology Park, 9th January 2012.
19. National Seminar on “Research Issues in Cloud Computing (NSRICC-2011)”, PG and Research Departments of Computer Science, Computer Applications & Information Technology, Cauvery College for Women, Computer Society of India, BUTP & IRFCS, Trichy, on 29th – 30th September 2011.

20. Ministry of Earth Sciences sponsored National Workshop on “Cloud Computing”, organized by Department of Software Engineering and Indian Society for Technical Education, at Periyar Maniammai University, Vallam, on 9th-10th September 2011.
21. Three-day workshop for College Teachers on “Gender Positive Initiatives for Releasing Leadership Skills among Women Students”, organized by Centre for Women’s Studies, Bharathidasan University, Cauvery College for Women, during 29th -31st January 2008.
22. DST sponsored seminar on “Image and Video Processing and Analysis”, organized by the Department of Computer Applications, National Institute of Technology, Trichy, on 5th December 2007.

Papers Presented

1. BDCC 2019 - 2nd EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing".Coimbatore, Dec 2019.
2. National Level Seminar on “Emerging Trends of Mathematical Techniques and their Applications in Computer Science”, organized by The PG Department of Computer Applications and The Departments of Computer Science and Mathematics, at Shrimati India Gandhi College, Tiruchirappalli, on 23rd &24th February 2007
3. National Level Seminar on “Strategies of Advanced Networking Technology”, Department of Computer Science and Applications, PGP College of Arts and Science, Namakkal, on 2nd February 2007.
4. Two day International Seminar on “Emerging Paradigm in Financial Services”, organized by Cauvery College for Women and Bharathidasan University, Tiruchirappalli, at Cauvery College for Women, Trichy, on 7th -8th April 2007.
5. Second National Conference on “Frontier Research Areas in Computing Sciences”, at Department of Computer Science, Bharathidasan University, Trichy, on 5th-6th Oct 2007.
6. International Seminar on “Future Scenario of IT “, Department of Computer Science and Applications, Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur, on 1st September 2006

Journals

1. R. Udendhran¹, G. Yamini², N. Badrinath³, J. Jegathesh Amalraj⁴, A. Suresh⁵, “*Enhancing representational learning for cloud robotic vision through explainable fuzzy convolutional auto encoder framework*”, Soft Computing, <https://doi.org/10.1007/s00500-023-08570-6>, <https://link.springer.com/article/10.1007/s00500-023-08570-6>

2. M.Sudhakara¹, K.Ghamya², Dr.Karthik.S.A³, Dr.G.Yamini⁴, V.Mahalakshmi⁵, “A Statistical Analysis of Fruit and Vegetables Quality Detection and Disease Classification for Smart Farming”, JOURNAL OF ALGEBRAIC STATISTICS, Volume 13, No. 2, 2022, p. 1426-1438, <https://publishoa.com>, ISSN: 1309-3452
3. G.Yamini¹, Dr.Gopinath Ganapathy², “Enhanced Communication and Human Activity Recognition System using IoT for Healthcare Monitoring”, www.igi-global.com/ijcthd, Published, volume 13, issue 2, pages 42-49. Copyright: © 2021
DOI: 10.4018/IJCTHD.2021040103
4. G.Yamini¹, Dr.Gopinath Ganapathy², Dr.Karamath Ateeq³, “Monitoring and Evaluation of Smart Heart Rate Sensing Technology”, International Journal of Advanced Research in Engineering and Technology (IJARET), Vol 11, Issue 8, August 2020, pp 310-318, Article ID-IJARET_11_08_031, ISSN Online: 0976-6499,
DOI: 10.34218/IJARET.11.8.2020.031, SCOPUS INDEXED.
5. G.Yamini¹, Dr.Gopinath Ganapathy², “Reliability Metric based Patient Centred Activity Recognition for Smart Healthcare Monitoring”, International Journal of Advanced Science and Technology (IJAST), Vol. 29, No. 7s, (2020), pp. 3133-3140, ISSN: 2005-4238, E-ISSN: 2207-6360, SCOPUS INDEXED.
6. G.Yamini¹, Dr.Gopinath Ganapathy², “An Internet of Things inspired Approach for enhancing Reliability in Healthcare Monitoring”, BDCC 2019 - 2nd EAI International Conference on Big Data Innovation for Sustainable Cognitive Computing". Coimbatore, Tamil Nadu, India. ISBN: 978-3-030-47560-4 ISSN: 2522-8595,
<https://www.springer.com/gp/book/9783030475598#aboutAuthors>, Published
7. G.Yamini¹, Dr.Gopinath Ganapathy², “A Reliability-Driven Methodology for enhancing the Healthcare Quality”, 2019 International Conference on Digitization (ICD), Theme: Landscaping Artificial Intelligence November 18-19, 2019 Organized by Skyline University College, Sharjah, UAE. Technical, eCF paper id: 231359,
DOI: 10.1109/ICD47981.2019, IEEE Xplore, SCOPUS INDEXED
8. G.Yamini¹, Dr.Gopinath Ganapathy², “A Comparative Study of Software Metrics for Analysis and Its Impact on Predictability”, International journal of computer sciences and engineering (IJCSE), Volume-7, Issue-1, Jan 2019 E-ISSN: 2347-2693, UGC Journal
9. G.Yamini. and Kanchana.R, “Identity based online / offline digital signature scheme in cluster based wireless sensor networks for secure and efficient data transmission”, International Journal for Science and Advance Research in Technology, Published in E-Journal Volume 1, Issue 8 in August 2015, ISSN [ONLINE] : 2395-1052
10. G.Yamini and Durgadevi.D, “A New Approach for Rectifying Erroneous Data in Web Usage Mining using Preprocessing”, International Journal for Science and Advance Research in Technology, Published in E-Journal Volume 1, Issue 8 in August 2015, ISSN [ONLINE] : 2395-1052

Book Chapter

1. Published in the book entitled “Handbook of Artificial Intelligence and Wearables Applications and Case Studies”. The title of the chapter “An Investigative Analysis of Artificial Neural Networks (ANN) Models for Intelligent Wearable Devices”, Chapter 6, **Taylor & Francis Group**.
2. Published in the book entitled “ Sustainable Solutions for E-Waste and Development”. The title of the chapter “Sustainable E-Waste Reduction Methods and Models” (pages 239-253), Chapter 16.
<https://www.igi-global.com/book/sustainable-solutions-waste-development/325799>
3. “The Pivotal Role of Internet of Things and Ubiquitous Computing in Healthcare”, Udendhran R, Yamini G. **EAI/Springer** Innovations in Communication and Computing, 2021, pp. 3–12
4. “Internet of things and additive manufacturing: Toward intelligent production systems in industry 4.0”, Suresh A, Udendhran R, Yamini G. Book entitled Internet of Things for Industry 4.0. **EAI/Springer** Innovations in Communication and Computing, 2020, pp. 73–89
5. Artificial Intelligence and reliability metrics in medical image analysis, Yamini G, Ganapathy, G, Deep Neural Networks for Multimodal Imaging and Biomedical Applications, 2020, pp 172-185
6. Exploring Internet of Things and Artificial Intelligence for smart healthcare solutions, Yamini.G, Deep Neural Networks for Multimodal Imaging and Biomedical Applications, 2020, pp 205-218

Patents

	Patent 1	Patent 2
Title	AI BASED STREET LIGHT ON/OFF STREET LAMP BASED ON OBJECT DETECTION	A RADAR SYSTEM USING ARDUINO AND ULTRASONIC SENSOR FOR BUILDING INSPECTION
Innovators	Ateeq Karamath; Ganesan Yamini ; Kaushik Priyanka; Khalil Omar Kassem; Rathore Saurabh Pratap Singh; Udendhran Rajendran.	Ateeq Karamath; Dr. Kajjam Aravind Babu; Dr. Agrawal Anurag Vijay; Dr. Yamini Ganesan
Applicants name	Yamini G	Yamini G
Application number	H05B 47/13	G01N 29/04
Patent number	DE 20 2022 106 124.6	20 2023 100 397.4
Filing country	Germany	Germany
Subject category	Engineering and Technology	Engineering and Technology
Filing date	Oct 31, 2022	Jan 28, 2023
Publication date	Dec 29, 2022	Feb 17, 2023
status	granted	granted

Events Organized

1. Organized Seminars and Workshops as Vice-President of Associations for the academic year 2023-2024, National College, Tiruchirappalli.
2. International workshop on “World Class Curriculum Design for Computer Science”(Sponsored by Department of Higher Education, Govt. of Tamil Nadu), organized by the Department of Computer Science and Engineering, and Council for college and Curriculum development, Bharathidasan University, Tiruchirappalli on 28th July 2017.
3. A Three-day International workshop on Data Science Open Source Languages (DSOSL 2017), at Bharathidasan University, Tiruchirappalli, in association with Computer Society of India, Trichy Chapter, Tamil Nadu, India, on 4th - 6th January 2017.
4. One day workshop on “World Class Curriculum in Computer Science- Consultative workshop”, organized by Department of Computer Science and CCCD, Bharathidasan University, on 16th Feb 2016.
5. National Seminar on “Cloud Computing and Services (CLOSER 2016)”, at Bharathidasan University Technology Park, in association with Computer Society of India, Trichy Chapter, Tiruchirappalli, on 31st August 2016.
6. Acted as a Co-Ordinator in leading the students to organize the event, “International Level Technical Symposium KSHAKTRIYA ‘16”, organized by the School of Computer Science, Engineering and Applications, Bharathidasan University, Khajamalai Campus, Trichy.
7. “National Seminar on Cloud Computing”, organized by Bharathidasan University Technology Park in association with Shrimathi Indira Gandhi College and Computer Society of India, Trichy Chapter, Sep 2012.

Personal Details

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