

Dr. Murali .G

D.C.Sc, B.E(CSE), M.Tec(CSE), Ph.D(CSE).

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OBJECTIVE

To work in a challenging and dynamic environment where I can effectively utilize my academic knowledge, professional skills, and experience to contribute to the growth and success of the organization while continuously enhancing my personal and professional development.

PROFESSIONAL SUMMARY

Software Professional with **1.8** years of experience as software developer, and **22** years of **Teaching Experience**, Currently working as **Professor & Head, Department of Computer Science and Engineering (Data Science)** at **SJB Institute of Technology, Bangalore -60**.

EDUCATION

- **Ph.D in Computer Science and Engineering in REVA University, Bangalore.**
Specialization: Mobile Ad hoc Networks (MANETs). 2019-20
- **M.Tech in Computer Science and Engineering in S.J.C.I.T Chickballapur** from **Visveswaraya Technological University, Belgaum, with First Class in 2008**
- **B.E in Computer Science and Engineering in S.J.C.I.T Chickballapur** from **Visveswaraya Technological University, Belgaum, with First Class in 2004**
- **Diploma in Computer Science & Engineering in K.J.T.E.T Polytechnic, Mulbagal** from **Karnataka Technical Board, with Second class 1998.**

Professional Body Membership

Lifetime ISTE Membership (LMISTE) No: **LM 103128**.

International Association of Engineers Membership (**IAENG**) No: **115769**.

Lifetime Membership of Institute of Scholars (InSc) No: **InSc20210218**

EXPERIENCE

1. From April 2024 to till date working as a **Professor and Head, Department of Computer Science and Engineering (Data Science) , SJB Institute of Technology, Bengaluru-60**

2. From June 2022 to March 2024 worked as a **Professor and Head**, Department of Computer Science and Engineering, in **R L Jalappa Institute of Technology**, Doddaballapur.
3. November 2021 to June 2022 worked as **Assoc. Professor** in Dayanandan Sagar Academy of Technology and Management, Bangalore. 560082.
4. September 2014 to October 2021 worked as an **Associate Professor**, in **SJB Institute of Technology**, Bangalore-60
5. March 2010 to Aug 2014 worked as a **Asst. Professor**, in **SJB Institute of Technology**, Bangalore-60
6. July 2007 to March 2010 date worked as a **Sr.Lecturer** in **DON BOSCO Institute of Technology**, Kumbalagodu, Bangalore.
7. Sep. 2005 to Aug. 2006 worked as a **Lecturer** at **Global Academy of Technology**, Rajareshwari Nagar, Bangalore.
8. Aug. 2004 to Sep. 2005 worked as a **Lecturer** at **S.J.C. Institute of Technology**, Chickbalapur.
9. Feb1998 to Nov1999 worked as a **Software Developer** at **Soft-Tech Solutions**, Bangalore.
Ramamurthy Nagar, Bangalore

Academic Coordination Work:

1. Served as **BOS & BOE Chairman** for the **CSE (Data Science) Department** for the **2023** and **2025 Scheme & Syllabus** at **SJB Institute of Technology**, Bangalore.
2. Serving as an **External Board of Examiners (BOE) Member** for **Atria Institute of Technology**, **Cambridge Institute of Technology**, and **Raj Reddy Institute of Technology**, Bangalore.
3. I have received approval as a **Research Supervisor** from **VTU** and **Manipal University**. Currently, I am supervising **two** research scholars at VTU and **one** research scholar at Manipal University.
4. Organized the **24-hour Hackathon, Code Carnage 2.0**, in association with **AiePoch Technologies**, Bangalore. The event was held on **28th & 29th April 2026** at **SJBIT**, Bangalore, and witnessed the participation of over **400** students from **35** colleges across Karnataka.

5. Conducted a workshop on “**AI Tools for Smart Solution**” for **Non-Teaching Staff**, from **12th to 14th Feb 2026**, more than **60** participants participated throughout Karnataka.
6. Conducted a **Student Development Programme (SDP)** on “**POWER AI**” for **5th semester** Students in collaboration with **dhs Informatics Pvt. Ltd.**, Bangalore from **9th to 11th October 2025**.
7. Organized a **24hr Hackthon**, **300** students participated from **21** various colleges throughout Karnataka on **11th & 12th April 2025**, at **SJBIT**, Bangalore.
8. Conducted a workshop on “**Generative AI**” in association with **Dhs Informatics Pvt, Ltd.**, Bangalore for **6th semester** Students on **10th April 2025**.
9. Conducted a **Student Development Programme (SDP)** on “**JAVA & J2EE**” collaboration with **Visible Campus & Java Home Cloud**, Bangalore from **11th to 14th March 2025**, for **4th** semester students.
10. Conducted a **Faculty Development Programme (FDP)** on **Code Cognition: An Accelerate journey on Artificial Intelligence with Python, ML and DL: with Hands on Session**. From **21th & 25th July 2025**.
11. Worked as a criteria **3 NAAC coordinator** for College level, **RLJIT**, Doddaballapur.
12. Worked as an **NBA & NAAC Coordinator** at **DBIT and SJBIT**, Bangalore.
13. Worked as the **AICTE Coordinator** at **SJB Institute of Technology (SJBIT)**, Bangalore, managing AICTE accreditation and regulatory processes.
14. Organized **6 days Free Faculty Development Programme** on **Machine Learning** association with **Dhs Informatics Pvt Ltd.** at **SJB Institute of Technology** - 2019.
15. Worked as **co-coordinator** for **National/International Conferences** in Dept. of ISE, SJBIT.
16. I am currently supervising **three** research scholars—**two** affiliated with VTU and **one** from Manipal University.

AWARDS

1. Received **Research Excellence Award 2021** from **Institute of Scholars (InSc)**.
2. Received **03** times medal and appreciation certificate for securing **100% results** in **DBIT College**.
3. Cleared NPTEL Course Certification on “**Introduction to Internet of Things**” in the year April 2026.
4. Recognized as **reviewer for Book Chapter** on “**Futuristic Trends in Computing Networking & Communication Technologies**”, IIP International Publishers, USA & India.

FUNDED PROJECTS

Sl.No.	Funding Agency	Principal & Co-Principal Investigator	Project Title	Year of Sanction	Amount in Rs.	Duration
1	VTU	Dr. Murali G	Secured Vehicle Toll Payment system using NFC	2020	Rs.5000	6 Months
2	KSCST	Dr. Murali G	Face Mask detection using Deep Learning	2021	Rs.4000	6 Months
3	IISc.	Dr. Bhanu Prakash G & Dr. Murali G	Development of an AI-Driven Smart Water Quality Monitoring Platform using Graphene Oxide-TiO ₂ Nanocomposite Sensors	Proposal Submitted 2026	Rs. 28 Lakhs	24 months

NPTEL CERTIFICATES

1. Completed the NPTEL course “**Introduction to Internet of Things**” in **Jan- April 2026**.
2. Received a mentor Certificate for the NPTEL Online Certification Course “**Data Analytics with Python**” **Jan-Apr 2025**.

TECHNICAL SKILLS

Operating Systems : Windows, UNIX, Linux.

Programming Languages : C, C++, JAVA, and VB 6.0, SQL, PL/SQL

Miscellaneous tools : Lex, Yacc, Shell Programming, NCTUns, Xlink, NS2, NS3, Pspice, Zilinx, Latex.

SUBJECTS TAUGHT:

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|---|------------------------------------|
| 1. Logic Design | 12. Graph Theory |
| Discrete Mathematical Structure | 13. System Simulation and Modeling |
| 2. System Software | 14. Computer concepts & C |
| Programming. | |
| 3. Engineering Technical Management (EMT) | 15. Computer Networks II |
| 4. FAFL | 16. Data Communication |
| 5. Operating System | 17. Microprocessor |

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| 6. Storage Area Network | 18.DBMS |
| 7. Optical Networks | 19.C# & .Net |
| 8. Multi Media Communication | 20.Analog and Digital Electronics |
| 9. Python Programming | 21. NoSQL Database |
| 10. Natural Language Processing | 22.Parallel Programming |

Labs Handeled: C, C++, Logic Design and Electronic Circuits, SS, SP, CG, CN, μ P, DAA.

ADE. Python Lab, MangoDB

PATENTS

1. Dr. Murali G, Dr. Balakrishna, . Dr.Sumitha Manoj, Dr. Chandrashekar D K, Dr.Paramesshwaraiyah P Dr.Prasad A Y published a patent entitled : **“Comparators with Power Gates for 3-bit Flash ADC Conversion”** <https://search.ipindia.gov.in/DynamicUtility/Journal/ViewJournal>, Publication date: 22/04/2022.
2. Dr. Murali G, Dr. Balakrishna R, Dr. Anandkumar KS, Mrs. Selvi M and Dr.Piyush Kumar Pareek published a patent entitled **“IRBC-SYSTEM: INTELLIGENT RULE-BASED CLASSIFICATION SYSTEMS TO CLASSIFY DISCRETE SETS”**.http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4885_1/Part-1.pdf, Publication date: 10/7/2020.
3. Dr. Murali G, Dr. Balakrishna R, Dr.Prasad AV, Mr. Sreepathi V and Mrs. Vasanthamma G published a patent entitled **“ICD-DEVICES: INTELLIGENT CLUSTERING DIGITAL DEVICES IN AN INTERNET OF THINGS(IOT)”**,http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_4891_1/Part-1.pdf, Publication date:31/7/2020.
4. Dr.Murali G, Dr. Balakrishna R, Mr. Shamshekar Patil, Dr. Rajesh K S, Dr. Sumitha Manoj, Dr. Pradeep B.S, Dr. Parameshwaraiyah, Dr. Shalini Prasad, Mrs. Jyoti Neeli, Dr. N K Cauvery, Dr. S. Vijayanand **“Intelligent- SIM: Multiple Company Mobile Number Installed in Single SIM” (Single Sim, Multiple Networks.)**. <https://search.ipindia.gov.in/IPOJournal/Journal/ViewJournal>, Publication Date: 10/12/2021, Application No.202141051542 A
5. Dr.Murali G, Dr. Balakrishna R, Mr. Shamshekar Patil, Dr. Rajesh K S, Dr. Sumitha Manoj, Dr. Pradeep B.S, Dr. Parameshwaraiyah, Dr. Shalini Prasad, Mrs. Jyoti Neeli, Dr. N K Cauvery, Dr. S. Vijayanand**“Big Data and Cloud Bursting Real- Time Intelligent scheduling using Machine Learning.”** Publication Date : 10/12/2021. Application No.202141052902 A.

1. Dr. Murali G, Prof. S Asma Begum, Dr. T N Anitha , Dr. Devi Kannan presenting a research paper titled “ **Privacy – Preserving Healthcare Data Analytics: A Comprehensive SurveyAttribute Indentification and Blockchain-Based Security**” INAHS 2026.- **Paper Accepted** waiting for presentation.
2. Murali G, Darshan A, Priya K, Vasudev R, , Pushpavalli. M a research paper titled “ **Food Recoginition System using CNN and Inception V3 for Diverse Culinary Dishes**” IEEE Conference OTCN 5.0 2026. **Paper Accepted** waiting for presentation.
3. Murali G, Vaishnavi , Spoorty, Kalpana presented a research paper titled ” **Women Safety and Health Monitoring Device using IoT**” in international Conference ICNEXT-2026, 4th and May May 2026.
4. Murali G , Narendra N, Srinidhi N N, Naresh E, presented a research paper titled “**Dynamic Workload Balancing Strategies for IoT Based Fog Network**” in 3rd IEEE International Conference on Knowledge Engineering and Communication Systems (ICKECS – 2025), April 28 – 29, 2025
5. Dr.Murali G, Mr. Rakesh V. S, Mr.Arun P, Dr.Chandrashekar D K, Praveen Kumar R, Ms. Sudha V, Published a research paper entitle “ **IoT based solar powered Agribot for Modern Agricultural Applicationsin**” published in International Journal of European Chemical Bulletin (ECB), Eur.Chem.Bull.2023,12(special issue 4), page No. 13760-13770.**Scopus Indexed**
6. Dr. Murali G, Ranjitha M, Rashmi D Happal, Sammed Jain D P, Yeshaswini, Published a research paper entitled “**Face Mask Detection using Deep Learning**” Published inInternational Journal of Creative Research Thoughts (IJCRT), Volume 10, Issue 5 May 2022, ISSN: 2320-2882.
7. Murali G, Apoorva M Swami, Kruthika Kadam G, Kusuma G, Mandakini A KatweyPublished a research paper entitled “**Implementation of Enhanced Energy Buffer Aware Reliable Routing Protocol in MANETS**” Published in International Journal of Computer Sciences and Engineering (JCSE), Vol.-7, Special Issue-15, May 2019 E-ISSN: 2347-2693.
8. Murali G, Apoorva M Swami, Kruthika Kadam G, Kusuma G, Mandakini A KatweyPresented a paper entitled “**Implementation of Enhanced Energy Buffer Aware Reliable Routing (EEBARR) protocol in MANETs**” in international Conference on Advances in Communication Information &Computing Technology (ACICT- 2019) on 9th -10th May 2019, EWIT, Bangalore.

9. Murali G, Dr.Balakrishna R, Dr. Vinayamurthy, Published a research paper entitled **“Evaluation of Energy Performance Routing Protocol (EPRP) with Low Mobility in MANET”**, submitted to **InderScience Publishers, International Journal of Forensic Software Engineering (under process)**.
10. Murali G, Dr., Balakrishna R, Dr. Vinayamurthy Presented a research paper entitled **“Evaluation of Energy Performance Routing Protocol (EPRP) with Low Mobility”** in 2nd *International Conference on Green Computing & Internet of Things (ICGCIoT)* on 16th to 18th August 2018, at Global Academy of Technology, Bengaluru, Karnataka, India.
11. Presented a paper on **“ IOT based Machine Monitoring System”** at the 4th National Conference on Advancements in Information Technology- NACT-2018, at Dept. of Information Science and Engineering, JSSATE, Bangalore, 7th & 8th May 2018
12. Mr. Murali G, Presented a paper on **“ Detection of Fraudulent Websites”** at the 4th National Conference on Advancements in Information Technology- NACT-2018, at Dept. of Information Science and Engineering, JSSATE, Bangalore, 7th & 8th May 2018
13. Mr. Murali G, Presented a paper on “Detecting Social behavior of Compromised Account” at the 3rd National Conference on Advancements in Information Technology”, organized by the Department of Information Science and Engineering, JSSATE, Bengaluru, May 19th & 20th May 2017.
14. Murali G, Dr., Balakrishna R, Dr. Vinayamurthy, Published a research paper entitled **“Energy Efficient Approach for Real-Time Message Transfer through MC-WSN Design”** in *International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)*, **Volume 6, Issue 3, May- June 2017 ISSN 2278-6856**.
15. Mr. Murali G , Dr. Vinayak Murthy , Dr. Balakrishna R, Published a research paper entitled **“Implementation of Extension Throughput-delay Guaranteed Routing for Reliability (ExTeGaR) in MANET of Wireless Network”** in *International Journal of Application or Innovation in Engineering & Management (IIAIEM)*, **Volume 5, Issue 11, November 2016, ISSN 2319 – 4847 – Scopus Indexed**
16. Mr. Murali G, Ms. Divyashree B.N , Dr. Balakrishna R , Dr M.Vinayaka Murthy, Presented a research paper entitled **“Enhanced AODV with Secrete Key Sharing to Improve Security and Energy Efficiency in MANETs”** in 1st International Conference on Innovations in Computing & Networking (ICICN16) on 12 & 13, May'16, at RRCE, Bangalore.

17. Mr. Murali G , Ms. Divyashree B.N , Dr. Balakrishna R , Dr M.Vinayaka Murthy ,Published a research paper entitled **“Enhanced AODV with Secrete Key Sharing to Improve Security and Energy Efficiency in MANETs”** in **International Journal of Advanced Networking and Applications (IJANA)**, Special 20Issue, May 2016, ISSN: 09750282.
18. Mr. Murali G, Dr. Balakrishna R Presented a paper entitled **“Enhancing the power consumption in sensor network using EEPAR with low mobility”** in International Conference on 28th to 29th December 2015 at RNSIT, Bangalore.
19. Mr. Murali G, Dr. Balakrishna R ,Published research paper entitled **“Enhancing the power consumption in sensor network using EEPAR with low mobility”** in IJAER, IISN 0973-4562 Vol. 10 N0.86 (2015). – **Scopus Indexed**
20. Mr. Murali G , Mr Sohail Taliba, Presented a paper entitled **“Performance analysis of secure routing protocol in MANET “**,in National Conference on 8th June 2013, organized by Department of Computer Science & Engineering, School of Engineering & Technology, Jain University,
21. Mr. Murali G Presented a paper entitled **“The Three – Tier Security Scheme in Wireless Sensor Networks for Mobile Sinks”** from 23rd to 24th May 2013,in National Conference organized by Department of Information Science & Engineering, RRCE Bangalore.
22. Mr. Murali G Participated in National conference on **Advances in Information Technology** on 4th May 2013, organized by Department of ISE, SJB Institute of Technology, Bangalore.
23. Mr. Murali G Presented a paper entitled **“A Mobile Sinks Framework for Security in Wireless Sensor Networks using 3-tier Scheme”**, in the National Conference on 20th to 21st March 2013, organized by Department of CSE, RLJIT, Doddaballapur.
24. Mr. Murali G Presented a paper entitled **“SCTP “Analyzing and evaluating the performance with TCP at Transport Layer”**, in the National Conference on May 19 to 21, 2011, organizes by Department of CSE, DBIT, Bangalore. And it selected Best paper in the Session.
25. Mr. Murali G Presented a paper entitled **“Challenges and Techniques for Mitigating attacks in Cellular Networks”** in the National Conference, on 2011, organizes by Department of ISE, DBIT, Bangalore.

26. Mr. Murali G Presented a paper entitled **“Building Datawarehousisng using Mobile Agent”** in the National Conference on 12th May 2008, organizes by Department of ISE, DBIT, Bangalore.
27. Mr. Murali G Presented a paper entitled **“Video Conferencing over Wireless Ad hoc Network”** in the National Conference on 3rd May 2008, organizes by Department of CSE, DBIT, Bangalore.

BOOKS PUBLISHED

1. Authored a book **on Python Programming**, which has been submitted to IIP Series Publications for review.
2. Contributed to write the lab programs and solving question papers towards the book **“Microprocessor by Barry B. Brey”** of Pearson Publication, in the year 2012. They have taken an agreement with appreciation.
3. Contributed question papers solving towards the book **“High Speed Network & Internet” by William Stalling**, of Pearson Publication, in the year 2011.
4. Contributed question papers solving towards the book **“Network Security Essentials: Applications and Standards (for VTU), 3/e – Stalling”**, of Pearson Publication, in the year 2011.
5. Contributed in solving question papers solving towards the book **“Microprocessor by Barry B. Brey”** of Pearson Publication, in the year 2011.

BOOKS Chapter

1. Authored for book chapter titled **“A Study and Survey of Networking and Communication Technologies”** in IIPSeries.org

WORKSHOP / FACULTY DEVELOPMENT PROGRAM ATTENDED

1. Two days' workshop on **Quantum Computing by IBM Quantum**, India 14th & 15th, **May 2026** held at IBM India Research Labs-IRL Embassy Golf Links, Bangalore.
2. Five days Faculty Development Programme (FDP) on **Code Cognition: An Accelerate journey on Artificial Intelligence with Python, ML and DL: with Hands on Session**. From **21th & 25th July 2025**
3. Four days Faculty Immersion Programme (FIP) on **Pedagogical Approaches** from 4th to 7th **April 2022** at **DayanandaSagar Academy of Technology and Management**, Bengaluru-82.

4. Six days Faculty Development Programme on **“NoSQL Database”** from 28th March to **2nd April 2022**, organized by Dept. of Information Science and Engineering, **SJB Institute of Technology**, Bengaluru-60.
5. One week Faculty Development Programme on **“ Machine Learning and Applications”** organized by Dept. of Computer Science and Engineering associated with ISTE, IETE from 23rd to 28th July 2018 at **Sri Venkateshwara College of Engineering**, Bengaluru.
6. Three days’ workshop on **“Advanced Tools and Techniques for Network, Machine Learning & Web Labs”** held on 12th to 14th July 2018 organized by Dept. of Information Science and Engineering, **SJBIT**, Bengaluru-60.
7. One day faculty development programme on **Artificial Intelligence / Machine Learning** organized by **CALLIGO TECHNOLOGIES** associated with **BITES** Karnataka, at SJB Institute of Technology Campus on 27th Dec 2017.
8. One week Faculty Development Program on **“NBA Accreditation Process”** from 29th Feb to 4th March 2016, organized by Dept. of Mechanical Engineering in Association with “Contineo”, SJBIT, Bangalore.
9. Faculty Development Program on **Cloud Technologies** from 18th – 23rd January 2016, organized by Dept. of Information Science & Engg, SJBIT, Bangalore.
10. Faculty Development Program on **“Hand –on Training on Current Computing Tools”** from 27th – 31st January 2015, organized by Dept. of Information Science & Engg, SJBIT, Bangalore.
11. One day Workshop on **“ Market –Oriented Cloud Computing and Big Data Applications”** organized by Dept. of Computer Science & Engg on 23rd July 2014, SJBIT, Bangalore.
12. Faculty Development Program on **“Advanced Computing Technologies”** from 13th & 14th March 2014 at TCS, Bangalore.
13. Faculty Development Program on **“Big Data Analytics”** from 27th – 31st January 2014, organized by Dept. of Information Science & Engg, SJBIT, Bangalore-60
14. **“NS2 and Latex”** , from 4th to 5th October 2012, organized by Dept. of Information Science & Engg, SAMBHRAM Institute of Technology, Bangalore.
15. Faculty Development programme on **“Research Methods in Computer Human Interaction for Management of Information Technology”** from 26th to 30th July 2010, organized by Department of ISE, SJB Institute of Technology, Bangalore.

16. Faculty Development programme on **“Software Engineering”** from 18th to 22nd March 2010, conducted by Amruta Institute of Engineering & Management Sciences, Bangalore.
17. Three days Faculty Development program on **“System Simulation & Modeling”** from 28th to 30th Jan 2010 at SJB Institute of Technology.
18. **Deep Dive Faculty Enablement Program** conducted by **Infosys technologies Limited** at Infosys, Bangalore from 18th Jan to 22nd Jan 2010.
19. **“Theory of Computing”** on 18th Dec 2009, organized by Department of Computer Science and Engineering, REVA Institute of Technology and Management, Bangalore.
20. **“Microsoft .NET”** from 5th to 7th March 2009, organized by **Microsoft& BITES**, at Srinivas Institute of Technology, Mangalore.
21. Faculty Development Programme conducted on 21st and 22nd Sep 2007 at DBIT, Bangalore.
22. Short –Term course on **“TEACHING METHODOLOGIES”**. It covers
 - i Teaching learning process.
 - ii Learner’s characteristics.
 - iii Instructional methods and planning &
 - iv Student’s evolution.

GUEST LECTURE

1. Delivered a keynote address on **"Artificial Intelligence and Its Applications"** at the National Conference held at **SEA College, Bangalore**, in 2024.
2. Delivered a lecture on **“System Modeling and Simulation”** for VIII Semester Students of Computer Science & Department at **C. Byregowda Institute of Technology, Kolar** on 11/3/2016.
3. Delivered a lecture on **“Principle of Programming using C”** for I year B. E Students on 17th March 2023 at **C. Byregowda Institute of Technology, Kolar**

PERSONAL DETAILS

Name	:Dr.Murali .G S/o Late V.GangiReddy
DOB	:21-01-1977
Present Address	:#15, SriLakshmi Venkateshwara Swamy Nilaya 7 th Cross, Andhra Muniyappa Layout, Chelekere, Kalyan Nagar (post), Bangalore-43.

Permanent Address: Dr.Murali .G S/o Late V.GangiReddy
Kuppandahally, MulbagalTq, Kolar Distict

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Languages Known :

To Speak : Kannada, English, Hindi, Telugu, and Tamil

To Write : Kannada, English, Hindi.

Signature of the Applicant