




DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

Opp. Art of Living, Udayapura, Kanakapura Road, Bangalore- 560082

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

Faculty Name	Dr. Murali G	
Academic Designation	Associate Professor	
Educational Qualification	BE, M. Tech, Ph.D	
Area of Interest	Computer Networks, Data Science	
Date of Birth	21/01/1977	
Email ID	gmurali-cse@dsatm.edu.in	

Educational Details

- **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.**

Personal Details

- Date of Birth: 21/01/1977
- Hobbies: Traveling
- Languages Known to Speak: Kannada, Telugu, English, Hindi, Tamil.
- Languages Known to Write: Kannada, English, Hindi

Professional Experience

1. January 14th 2022 to till date working as an Associate Professor in the department of Computer Science and Engineering, Dayananda Sagar Academy of Technology & Management, Kanakapura Road, Bengaluru. 560 082

2. November 2021 to 13th January 2022 worked as a **Professor** in **Bangalore Technological Institute**, Bangalore -560 035
3. September 2014 to October 2021 worked as a **Associate Professor**, in **SJB Institute of Technology**, Bangalore-60
4. March 2010 to Aug 2014 worked as a **Asst. Professor**, in **SJB Institute of Technology**, Bangalore-60
5. July 2007 to March 2010 date worked as a **Sr.Lecturer** in **DON BOSCO Institute of Technology**, Kumbalagodu, Bangalore.
6. Sep. 2005 to Aug. 2006 worked as a **Lecturer** at **Global Academy of Technology**, Rajareshwari Nagar, Bangalore.
7. Aug. 2004 to Sep. 2005 worked as a **Lecturer** at **S.J.C. Institute of Technology**, Chickbalapur.
8. Feb1998 to Nov1999 worked as a **Software Developer** at **Soft-Tech Solutions**, Ramamurthy Nagar, Bangalore .

Publications

International Journals:

1. Published 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.
2. 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.
3. 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 (IJAIEM)*, Volume 5, Issue 11, November 2016, ISSN 2319 – 4847 – Scopus Indexed.
4. 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.

5. 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**

International Conferences:

1. Presented 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.
2. 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.
3. 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.
4. 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.

National Conferences:

5. 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,
6. 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.
7. 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.

8. 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, organized by Department of CSE, DBIT, Bangalore. And it selected Best paper in the Session.
9. Presented a paper entitled “**Challenges and Techniques for Mitigating attacks in Cellular Networks**” in the National Conference, on 2011, organized by Department of ISE, DBIT, Bangalore.
10. Presented a paper entitled “**Building Datawarehousing using Mobile Agent**” in the National Conference on 12th May 2008, organized by Department of ISE, DBIT, Bangalore.
11. Presented a paper entitled “**Video Conferencing over Wireless Ad hoc Network**” in the National Conference on 3rd May 2008, organized by Department of CSE, DBIT, Bangalore.

Conference Attended

1. Participated in National conference on **Advances in Information Technology** on 4th May 2013, organized by Department of ISE, SJBIT Institute of Technology, Bangalore.

Seminar Attended

1. Participated in the Online International webinar on “**How to be successful entrepreneur**” talk by **Mr. Sanajay Seghal, Chairman & CEO, Msys Technologies, USA** held on 10th July 2020.
2. Participated a webinar on “**Block chain & its Application**” organized by Department of Computer Science and Engineering, **Dr. Ambedkar Institute of Technology**, Bengaluru on 14/07/2020.
3. Participated in 3 days National Level Three days Webinar on “**Latest Trends in Data Science and Cyber Security**” organized by Department of Computer Science and Engineering, Dr. T. Thimmaiah Institute of Technology, KGF from 9th July 2020 to 11th July 2020.
4. Participated a webinar on “**Importance of having vision and Self-Belief**” held on 15th August 2020, organized by Dept. of ISE, SJBIT, Bengaluru.
5. Participated a webinar on “**Thought Process of an Entrepreneur**” held on 22nd May 2020, organized by Dept. of ISE, SJBIT, Bengaluru.

Workshop Attended

1. 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.
2. “**NS2 and Latex**” , from 4th to 5th October 2012, organized by Dept. of Information Science & Engg, SAMBHRAM Institute of Technology, Bangalore.
3. **Deep Dive Faculty Enablement Program** conducted by **Infosys technologies Limited** at Infosys, Bangalore from 18th Jan to 22nd Jan 2010.
4. “**Theory of Computing**” on 18th Dec 2009, organized by Department of Computer Science and Engineering, Reva Institute of Technology and Management, Bangalore.
5. “**Microsoft .NET**” from 5th to 7th March 2009, organized by **Microsoft & BITES**, at Srinivas Institute of Technology, Mangalore.

Patents published with All Details

1. 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.
2. 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.
3. Dr.Murali G, Dr. Balakrishna R, Mr. Shamshekar Patil, Dr. Rajesh K S, Dr. Sumitha Manoj, Dr. Pradeep B.S, Dr. Parameshwaraiah, 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.202141051542A.
4. Dr.Murali G, Dr. Balakrishna R, Mr. Shamshekar Patil, Dr. Rajesh K S, Dr. Sumitha Manoj, Dr. Pradeep B.S, Dr. Parameshwaraiah, 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.

Research Grants fetched with File No.

Nil

Student Project Funds Fetched with Grant No.

Sl. No	Name of the Teacher/ Principal Investigator	Project Title	Date of Sanctioned	Funding Agency	Total Amount Sanctioned	Amount utilized	Remarks
1	Dr. Murali G	Face Mask detection using Deep Learning	24-04-2021	KSCST	4000	4000	Completed
2	Dr. Murali G	Secured Vehicle Toll Payment system using NFC	21-12-2020	VTU	5000	5000	Completed

Consultancy Amount Fetched with Details

Nil

Awards

1. Received Research Excellence Award 2021 from Institute of Scholars (InSc).
2. Received 3 times medal and appreciation certificate for securing 100% results in DBIT College.

Academic Activity

- NBA Co-ordinator
- NACC Co-ordinator
- Project Co-ordinator
- AICTE Work Co-ordinator
- VTU Co-ordinator
- FDP Co-ordinator
- Conference Co-ordinator

Faculty Development Activity/Workshops

1. 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.
2. Faculty Development Program on **Cloud Technologies** from 18th – 23rd January 2016, organized by Dept. of Information Science & Engg, SJBIT, Bangalore.
3. 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.
4. Faculty Development Program on “**Advanced Computing Technologies**” from 13th & 14th March 2014 at TCS, Bangalore
5. Faculty Development Program on “**Big Data Analytics**” from 27th – 31st January 2014, organized by Dept. of Information Science & Engg, SJBIT, Bangalore-60
6. 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
7. Faculty Development programme on “**Software Engineering**” from 18th to 22nd March 2010, conducted by Amruta Institute of Engineering & Management Sciences, Bangalore.
8. Faculty Development Programme conducted on 21st and 22nd Sep 2007 at DBIT, Bangalore.

Contact Details

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