




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 ELECTRONICS AND COMMUNICATION ENGINEERING

Accredited NBA, NAAC with A+, New Delhi

Faculty Name	Dr.SIDDALINGAPPAGOUDA BIRADAR	
Academic Designation	Associate Professor	
Educational Qualification	BE, M. Tech, Ph.D, [PostDoc]	
Experience in Years	12 Years	
Area of Interest	Wireless Communication	
Date of Birth	27/05/1985	
Email ID	siddubiradarr@gmail.com	

Educational Details

- Pursuing PostDoc in 5G/6G Antenna Design, 2022.
- Ph.D in Computer Network at Dayananda Sagar College of Engineering, Bangalore under VTU, Belagavi 2019.
- M.Tech in Digital Communication and Networking at Google Institute of Technology Belagavi, 2010.
- B.E in Electronics and Communication Engineering at BLDEA P G Halkatti College of Engineering and Technology Vijayapura, Bangalore under VTU Belgaum 2017.

Personal Details

- Date of Birth: 27/05/1985
- Hobbies: Playing Chess, Cricket, Watching Movies, Reading Books.
- Languages Known: English, Kannada & Hindi.

Professional Experience

- Worked as a Associate Professor in Don Bosco Institute of Technology Bangalore, from 27/01/2011 to 27/07/2019.

Publications

International Journals:

- Siddlingappagouda Biradar, Santosh M Nejarak Prabhu and G Benakop “Simulation and Performance Analysis of PDSCH in 5G NR”, International Journal WAFFEN-UND KOSTUMKUNDE (Scopus Indexed), ISSN NO: 0042-9945, Volume XI, Issue III, March 2020.
- Siddlingappagouda Biradar, Santosh M Nejarak, Prabhu G Benkop, Sharanabasappa R, “Filtered-Orthogonal Frequency Division Multiplexing Technique for 5th generation Mobile Communication” International Journal of Innovative Technology and Exploring Engineering (IJITEE)-Scopus Indexed Journal, Vol. 8 Issue-12, Pp 3763-3767, Oct 2019.
- Siddlingappagouda Biradar, P. T. Kulkarni, “Simulation and Comparison of Energy Efficient Routing Protocols in MANETs using NS2”, International Journal of Advanced Research in Computer Engineering & Technology, ISSN: 2278-1323, vol. 3, pp. 231-

237, April 2014.

- Shilpa, Siddlingappagouda Biradar, “Reduce Energy in a Ternary CAM Using Charge Sharing Technique” International Journal of Innovative Research in Science, Engineering and Technology on April-2014 Edition, ISSN: 2319-8753, vol. 3, Issue 4, pp. 1-8, April 2014.
- Siddlingappagouda Biradar, Meena Kushwaha, Tejpal, “Simulation and Comparison of Ad-Hoc Routing Protocols in Multiple Source-Destination Pairs Using NS2”, International Journal of Advanced Research in Computer Science, vol. 3, Issue 3, pp. 278-285, March 2013.
- Siddlingappagouda Biradar, P. T. Kulkarni, “Analysis of AODV Routing Protocol for Wireless Sensor Network with NS2”, International Journal of Wireless Communication and Networking”, ISSN: 0975-7163, vol. 1, pp. 89-95, Dec. 2012.
- Siddlingappagouda Biradar, P. T. Kulkarni, “Performance Evaluation of DSR Routing Protocol Grid Environment”, International Journal of Emerging Technologies and Application in Engineering, Technology and Sciences”, ISSN: 0974-3588, vol. 5, pp. 154-159, Dec. 2012.

International Conferences:

- Siddalingappagouda Biradar, Sharanabasappa K, Shashi Ranjan, “Simulation and Performance Analysis of PUSCH in 5G NR”, International conference on Smart Modernistic in Electronics and Communication, St. Martin’s Engineering College Secunderabad, Teleangana, ISSN: 978-93-80831-43-5, 29th and 30th June 2020.
- Siddlingappagouda Biradar, P T Kulkarni, “An Improved Quality of Service Using P-AODV Protocol in MANETs” IEEE International Conference on Applied and Theoretical Computing and Communication Technology, Karpagam College of Engineering, Coimbatore, ISSN: 978-1-5090-3355-33, vol. 1, pp. 648-652, Feb. 2016.
- Siddlingappagouda Biradar, P T Kulkarni, “Enhanced Quality of Service Using M-DSR Protocol in MANETs” Grenze International Conference on current Trends in Engineering Science and Technology, Kaasatte University Bangkok, ISBN: 978-81-93-1119-5-6, pp. 530-536, Jan. 2017.
- Siddlingappagouda Biradar, P T Kulkarni, “Simulation and Performance Analysis of Modified Energy Efficient DSR Protocol in MANETs” Springer Proceeding International Research Symposium on Computing and Network Sustainability, ISBN: 978-981-10-3934-8, pp. 2367-3370, June 2016.
- Siddlingappagouda Biradar, P T Kulkarni, “Enhanced Quality of Service Using M-AODV Protocol in MANETs” IEEE International Conference on Applied and Theoretical Computing and Communication Technology, Bapuji Institute of Technology Davanagere, ISSN: 978-1-4673-9223-5, vol. 1, pp. 648-652, Oct. 2015.
- Siddlingappagouda Biradar, P T Kulkarni “An Improved Quality of Service Using R-AODV Protocol in MANETs” Third IEEE International Conference on Artificial Intelligence, Modeling and Simulation, Kota Kinabalu Malaysia, ISSN: 978-1-4673-8675-3, vol. 1, pp. 402-407, Dec. 2015.
- Siddlingappagouda Biradar, P T Kulkarni, “Performance Analysis of AODV Routing Protocol on Blackhole Attack in MANETs using NS2” Elsevier Journal Proceedings of 2nd International Conference on Emerging Research in Computing, Information, Communication and Application, Nitte Meenakshi Institute of Technology Bangalore, ISSN: 978-9-3510-7260-7, Aug. 2014.
- Siddlingappagouda Biradar, P T Kulkarni, “Performance analysis of AODV routing protocol on Rushing attack in MANETs using NS2” Elsevier Journal Proceedings of 2nd International Conference on Emerging Research in Computing, Information, Communication and Application, c, ISSN: 978-9-3510-7260-7, Aug. 2014.

- Siddlingappagouda Biradar, P. T. Kulkarni, "Simulation and Analysis of AODV and AOMDV Protocol during Link Breakage in MANETs using NS2" ACEEE International Conference on Communication System, ISSN 2158-7558, vol. 1, pp 124-300. May 2014.
- Siddlingappagouda Biradar, S K Padaganur, P T Kulkarni, "Performance Evaluation and Comparison of AODV and AOMDV Routing Protocols in Grid Environment using NS2", 1st IEEE International Conference on Emerging Trends in Communication, Control, Signal Processing and Computing Applications, Oxford Institute of Technology, Bangalore, Oct 2013.
- Siddlingappagouda Biradar, Nagraj Kyasa, Rashmi K, "Performance Analysis of AODV Routing Protocol under Flooding Attack in MANET's using NS2" International Conference on recent trends in Signal Processing, Image Processing and VLSI at DBIT Bangalore, ISSN 978-981-09-6200-5, vol. 1, pp 224-230, 15th Feb. 2015.
- Sudha, Siddlingappagouda Biradar, "Designing Cost Aware and Secure Routing Protocol for Wireless Sensor Network" International Conference on recent trends in Signal Processing, Image Processing and VLSI at DBIT Bangalore, 15th Feb. 2015.
- Siddlingappagouda Biradar, P T Kulkarni, "Performance Analysis of AODV Routing Protocol due to Malicious Node Attack in MANETs Using NS2" International Conference on recent trends in Signal Processing, Image Processing and VLSI at DBIT Bangalore, ISSN 978-981-09-6200-5, vol. 1, pp 535-540, 15th Feb. 2015.

National Conferences:

- Siddlingappagouda Biradar, P T Kulkarni, "Simulation and Comparisons of AODV, DSR and DSDV Routing Protocols in MANETs", National Conference on Emerging Trends In Information Technology, Don Bosco Institute of Technology, Bangalore, June 2013.
- Siddlingappagouda Biradar, P T Kulkarni, "Performance Evolution of Multipath Routing Algorithm using UDP and TCP Protocols", National Conference on Emerging Trends in Information Technology, Don Bosco Institute of Technology, Bangalore, May 2012.
- Siddlingappagouda Biradar, P T Kulkarni, "Threat Attacks on Mobile Adhoc Network Routing Protocols", National Conference on Emerging Trends in Information Technology, Don Bosco Institute of Technology, Bangalore, May 2012.
- Sneha M, Prakruthi S, Siddlingappagouda Biradar, "TCP Performance Analysis in Wireless Mobile Ad Hoc Networks", National Conference on Computer Network and Soft Computing, Shri. Siddhartha Institute of Technology, Tumkur, Nov. 2012.

Conference Attended

NIL

Workshop Conducted

- Five Day, International Online FDP On "Recent trends of Artificial Intelligence for 5G Communication" at Angadi Institute of Technology & Management, Belagavi, on 4th-7th Jan 2022.
- Five Day, International Online FDP On "5G, IoT, and Artificial Intelligence: Research Trends and Application "on 27th Sept.-1st Oct. 2021, at Atria Institute of Technology, Bangalore.
- Two Day, Hands-on Workshop, on "5G Technology", 24th & 25th Nov. 2021, at Dayananda Sagar College of Engineering, Bangalore.
- One Day, Hands-on Workshop, on "Computer network using NS2" at Don Bosco Institute of Technology Bangalore, on 8th July 2021.
- One Day, ATAL AICTE FDP on "Hands On using MATLAB, OMNET++ in 5G Technologies" at JNN College of Engineering Shimoga, on 13th July 2021.
- One Day, Webinar on "4G-LTE and 5G Wireless Network" with Hands-on Session at Global Academy of Technology(GAT) Bangalore, on 15th June 2021.

- One Day, Webinar on “4G-LTE and 5G Wireless Network” with Hands-on Session at BLDEA, VP Dr. P G Halakatti College of Engineering and Technology Vijayapura, on 13th May 2021.
- One Day, IETE FDP Sponsored Hands-on session on “5G Technologies” at KS Institute of Technology Bangalore, on 26th May 2021.
- One Day, Hands-On Workshop on “Computer Networking Using Network Simulator 2 and NS-3”, at Dept. ECE, Dayananda Sagar University, Bangalore on 26th June, 2020.
- Two Day, Hands-On Workshop on “Computer Networking Using Network Simulator 2 and NS-3”, at Dept. ECE, St. Peter’s Engineering College, Hyderabad, on 19th-20th May, 2020.
- Two Day, Hands-On Workshop on “Computer Networking Using Network Simulator 2 and NS-3”, at Dept. ECE, Pune Institute of Computer Technology, Bangalore, on 9th-10th May, 2020.
- One Day, Webinar on “Latest Trends in 5G Technology” at Traxmic Solutions Private Limited, Bangalore, on 26th Sept. 2021.
- One Day, Webinar On “Career Opportunities in Computer Networking” at GIET University, School of Engineering & Technology”, Odisha on 13th Sept. 2021.
- One Day, Hands-On Workshop on “Analog and Digital Circuits using eSim, pSpice, Livewire, Multisim, Edision v5 Simulator Tools”, at Dept. ECE “Dayananda Sagar Academy of Technology and Management” Bangalore, on 29th- 30th Nov. 2019.
- One Day, Hands-On Workshop on “Outcome Based Education –NBA” at Dept. ECE, Don Bosco Institute of Technology, Bangalore, on 29th July-2nd Aug. 2019.
- One Day, Hands-On Workshop on “Computer Networking Using Network Simulator 2”, at Dept. ISE, Don Bosco Institute of Technology, Bangalore, on 13th Sept, 2019.
- One Day, Hands-On Workshop on “15ECL78: Computer Network Lab.” at RR Institute of Technology, Bangalore on 29th April 2019.
- One Day, Hands-On Workshop on “Computer Network lab.” at BNMIT College of Engineering, Bangalore on 31th Jan. 2019.
- One Day, Hands-On Workshop on “Computer Network lab.” at Dayananda Sagar College of Engineering, Bangalore on 30th Nov. 2018.
- Three Day, Hands-On Workshop on “TCE/CSE/ISE: Computer Network Lab.” at Don Bosco Institute of Technology, Bangalore on 31th July-5th Aug. 2018.
- One Day, Hands-On Workshop on “15ECL78: Computer Network Lab.” at RR Institute of Technology, Bangalore on 23rd March 2018.
- Three Day, Hands-On Workshop on “15ECL78: Computer Network Lab.” At Sambhram Institute of Technology, Bangalore on 29th Jan-2nd Feb. 2018.
- Two Day, Hands-On Workshop on “15ECL78: Computer Network Lab.” at Anjuman Institute of Technology, Bhatkal on 11th-12th March 2018.
- Three Day, Hands-On Workshop on “15ECL78: Computer Network Lab.” at Don Bosco Institute of Technology, Bangalore on 8th -10th Jan. 2018.
- Three Day, Hands-On Workshop on “15ECL78: Computer Network Lab.” at ATME Institute of Engg. Mysuru on 2nd -4th Jan. 2018.
- Two Day, Hands-On Workshop on “Simulation of Wired and Wireless Communication using NS-2” at MVJ College of Engineering, Bangalore on 21st-22nd Jan. 2016.
- One Day, Seminar on “Wireless Network” at Dayananda Sagar College of Engineering, Bangalore on 9th Oct. 2015.
- Two Day, Hands-On Workshop on “Simulation of Wired and Wireless Communication using Network Simulator Tool” at BLDEA’s P.G.Halakatti, College of Engineering, Vijayapura on 3rd-4th Feb. 2015.
- One Day, Hands-On Workshop on “Simulation of Wired and Wireless Communication

using Network Simulator 2(NS-2)” at Google Institute of Technology, Belgaum on 2nd Feb. 2015.

- Two Day, Hands-On Workshop on “Simulation of Wired and Wireless Communication using Network Simulator Tool” at BLDEA’s P. G. Halakatti, College of Engineering, Vijayapura on 13th-14th Feb. 2014.
- One Day, Hands-On Workshop on “Simulator on Computer Network” at Don Bosco Institute of Technology, Bangalore on 23rd Nov. 2013.
- One Day, Hands-On Workshop on “Wireless Network using Network Simulator Tool” at Don Bosco Institute of Technology, Bangalore on 5th June 2013.

Workshop Attended

- Three Day, Workshop on “Telemedicine, IOT and Nanoscience” conducted by GSSS Institute of Engineering and Technology, Mysore, on 10th to 12th June 2020.
- Three Day, Workshop on “Emerging Technologies in Electronics and Communication Engineering and Computing” conducted by Vel Tech High Tech Engineering College, on 4th to 6th June 2020.
- Two Day, Workshop on “Role of Data Analytics and Cloud Computing in IoT’s, conducted by Karunya Institute of Technology and Sciences, on 1st and 2nd June 2020.
- Three Day, Workshop on “5G wireless Communication System”, organized by Bangalore Institute of Technology, Bangalore, from 12th to 14th Aug. 2020.
- Three Day, Workshop on “Emerging Trends in Automotive Embedded Systems”, organized by Bangalore Institute of Technology, Bangalore, from 3rd to 5th Aug. 2020.
- Two Day, National Workshop on “Intellectual Property Rights (IPR)” held at Don Bosco Institute of Tech., Bangalore on 30th to 31st Jan. 2019.
- One Day Workshop on “Introduction to Virtualization” held at VMware Company Bangalore on 3rd Oct. 2018.
- One Day industrial visit “International Electronica India 2018 Expo.” at Tumkur Road, Bangalore on 26-28 Sept. 2018.
- One Day industrial visit “International IoT Expo.” at KPTO, Whitefield, Bangalore on 7 - 9 Feb. 2018.
- One Day industrial visit “ICT and IOT Start Up Tech Expo.” on 1-2 Sept. 2018, organized by ITI Limited, at their K R Puram unit, Bangalore.
- One Day Seminar on “Electronic Devices Society Solid State Circuits Society” held at Don Bosco Institute of Tech., Bangalore on 20th Feb. 2014.
- Three Day Workshop on “Wireless Sensor Networks and IoT Technologies” held at RV College of Engg., Bangalore on 12th-14th Dec. 2013.
- Three Day Workshop on “Open Source Tools for Software Engineering & Computer Networking” held at Don Bosco Institute of Tech., Bangalore on 24th - 26th Oct. 2013.
- Two Day Workshop on “Seminar on Recent Advances in Materials Science” held at Don Bosco Institute of Tech., Bangalore on 21st to 22nd Oct. 2013.
- Two Day Workshop on “Network Simulator Using NS-3” held at NITK Surathkal, Mangalore on 7th - 8th Dec. 2013.
- Three Day Workshop on “Seminar on Understanding Wireless Communication Technologies: 3G, 4G/LTE, WiMAX” held at PESIT, Bangalore on 17th to 19th July 2013.
- Two Day Workshop on “Cadence Workshop” held at Don Bosco Institute of Tech., Bangalore on 23rd to 24th July 2013.
- One Day Seminar on “Innovative Skills to be imparted to the Students by Teachers” held at Don Bosco Institute of Tech., Bangalore on 25th July 2013.
- Three Day Workshop on “Bosch’s PLC’s Training Program” held at RV College of Engg. Bangalore on 29th to 31st July 2013.

- Three Day Workshop on “Research Methodology” held at Rao Bahadur Y Mahabaleshwarappa Engineering College, Bellary on 9th to 11th Jan, 2012.
- Three Day Workshop on” National Level Workshop on Network Simulation” held at Jnana Sangama VTU, Belgaum on 16th to 18th Feb 2012.
- Three Day Workshop on “Simulation of Wired and Wireless Networks” held at NITK Surathkal, Mangalore on 20th to 22nd June 2012.
- One Day Workshop on “Network Simulator Tools” held at Googte Engineering College, Belgaum on 17th April 2010.

Patents published with All Details

- Title of invention: An Artificial Intelligence Based System For Detection Of Covid 19 Influence On Human Skin
Patent number: 2021102184 (Australian Patent)
Term of Patent: Eight years from 25 April 2021.

Research Grants fetched with File No.

NIL

Student Project Funds Fetched with Grant No.

- KSCST 2019-2020 Sponsored Project-5000 Rs
Title: Sign Language Assisting Embedded System for Dumb and Deaf People.

Consultancy Amount Fetched with Details

NIL

Awards

- Received Best Teacher Award-2020 from INSC Professional Society.
- Received Academic Excellence Award-2020-2021 from Dept. of ECE, DSATM Bangalore.
- Received Academic Excellence Award-2021-2022 from Novel Research Academy Puducherry, India.

Academic Activity

- Coursera Administrator of DSATM.
- AICTE Parakh Nodal Officer of DSATM.
- IETE Professional Co-ordinator of ECE Department, DSATM.

Faculty Development Activity/Workshops

- Participated in 5 Day, STTP on “IOT-5G and Beyond with Deep Learning” at Mahindra University Ecole Centrale School of Engineering, Hyderabad, on 7th – 11th July 2021.
- Participated in 5 Day, ATAL FDP on “Towards 5G and Beyond with IoT and Machine Learning” at School of Engineering and Technology Central University of Haryana, on 26th – 30th July 2021.
- Participated in 5 Day, FDP on “Next Generation Wireless Communication: 5G & Beyond” at KS Institute of Technology Bangalore, on 3rd – 8th May 2021.
- Participated in 5 Day, Workshop on Recent IT Technologies, Writing Papers and Funding Proposals, conducted by Rajambapu Institute of Technology, Rajaramnagar, on 20th June to 24th June 2020.
- Six Day, Workshop on Innovation Design Thinking and Entrepreneurship, Sreenidhi Institute of Science and Technology, Hyderabad, on 1st June to 6th June, 2020.
- Participated in 5 Day, Workshop on Cyber Security by NIT Chandigarh, on 28th May to 1th June. 2020.

- Participated in 5 Day, Workshop on “Contemporary Research Trends in Electronics and Communications and Computer Science”, organized by Department of Electronics and Communication Engg., Visvesvaraya Technical University, Kalaburagi in association with IETE, on 06th to 10th July 2020.
- Participated in 5 Day, Workshop on “Cyber Security”, Organized by Department of Computer Science and Information Technology Engg., Gudlavalleru Engineering College, Gudlavalleru in association with CyberPsy, on 22nd to 26th July 2020.
- Participated in 5 Day, Workshop on “Challenges and Research Opportunities in the area of Communication & Signal Processing”, Organized by Electronics and Communication Engg., CMR Engineering College, Hyderabad from 20th to 24th July 2020.
- Participated in 6 Day, Workshop on “Moodle & E-Content Creation”, organized by Coorg Institute of Technology, Kodagu, from 27th July to 1st Aug. 2020.
- Participated in 5 Day, Workshop on “IoT Protocols and WSN Theory and Practice”, organized by Bangalore Institute of Technology, Bangalore, from 17th to 21st Aug. 2020.
- Participated in 7 Day, Workshop on “Recent Trends in wireless Technologies”, organized by GMR Institute of Technology, from 16th to 22nd Aug. 2020.
- Participated in 5 Day, Workshop on “5G Protocol Stack Design and Implementation”, organized by Bangalore Institute of Technology, Bangalore, from 24th to 28th Aug. 2020.
- Participated in 6 Day, AICTE Sponsored Short Term Training Programme on “Deep Learning Techniques for Ambient Intelligence and Smart Environment-II”, organized by, RMD Engineering College Tamilnadu, from 2nd Nov. to 7th Nov. 2020.
- Participated in 5 Day Workshop on “Skill Enhancement Program for Mentors, Teachers, and Counselors” at Global Academic Technology (GAT), Bangalore on 21st-25th Jan. 2019.
- Participated in 5 Day Workshop on “Data Science and Big Data Analytics” held at GITAM University, Bangalore on 20th – 24th Feb. 2018.
- Participated in 5 Day Workshop on “Robotics and IOTs” held at IIT Hyderabad, on 16th-17th Sept. 2017.

Contact Details

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