



Faculty Name	Shivaprasad Ashok Chikop	
Academic Designation	Assistant Professor	
Educational Qualification	B.E, M. Tech, Ph.D	
Experience in Years	9 years	
Area of Interest	Medical Imaging, Medical Image Processing	
Date of Birth	09-01-1989	
Email ID	shivaprasad-aiml@dsatm.edu.in	

Educational Details

- Ph.D - at Dayananda Sagar College of Engineering, Bangalore under VTU Belgaum 2022.
- M.Tech in Dayananda Sagar College of Engineering, Bangalore under VTU Belgaum 2012.
- B.E in Basaveshwara College of Engineering, Bagalkot under VTU Belgaum 2010.

Personal Details

- Date of Birth: 09/01/1989
- Hobbies: Painting
- Languages Known: English, Kannada and Hindi

Professional Experience

- Worked as Assistant Professor in DayanandaSagar University at Computer Science and Engineering Department from 2019 to 2021
- Worked as Research Associate in DayanandaSagar College of Engineering at Medical Electronics Department from 2013 to 2019
- Worked as Junior Research Fellow and Senior Research Fellow in DayanandaSagar College of Engineering at Computer Science and Engineering Department from 2012 to 2013

Publications

International Journals:

- Chikop, Shivaprasad Ashok, AmareshaShridharKonar, Nimitha SL Reddy, NithinVajuvalli, DarshanShivaramKeelara, AshwiniKumnoor, SairameshRaghuraman, Ramesh Venkatesan, and SairamGeethanath. "Cost-Effective, Integrated In Vitro Phantoms for Cardiac MRI." *Critical Reviews™ in Biomedical Engineering* 49, no. 3 (2021).

- Honnedevasthana, ArushArun, S. Vatsalya, **Shivaprasad Ashok Chikop**, and SairamGeethanath. "Effects of yoga exercises on diabetic mellitus as validated by magnetic resonance imaging." *International Journal of Yoga* 14, no. 1 (2021): 43.
- **Shivaprasad Ashok Chikop** DarshanHalliyavar ,Shwetha M P , Sharanabasavaraj , Puneeth S "Production Analysis and Prediction of TOP using ARIMA Model" International Journal for Engineering Research and Technology (2020)
- **Chikop, Shivaprasad Ashok**, AntharikshanagarBellappaSachinAnchan, GirishKoulagi, ArushArunHonnédevasthana, Shaik Imam, and SairamGeethanath. "Automatic motion correction of Musculoskeletal MRI using DSLR camera." *Magnetic resonance imaging* 48 (2018): 74-79.
- **Chikop, Shivaprasad**, GirishKoulagi, AnkitaKumbara, and SairamGeethanath. "A Review of Point-Wise Motion Tracking Algorithms for Fetal Magnetic Resonance Imaging." *Critical Reviews™ in Biomedical Engineering* 44, no. 4 (2016).

International Conferences:

- **Shivaprasad Ashok Chikop**, AmareshaShridharKonar, NithinVajuvalli, Ramesh Venkateshan and SairamGeethanath "Integrated, 3D printed cost effective phantom solution for MR imaging for cardiac structure and function" ISMRM-2018
- Shaik Imam, AmareshaShridharKonar, VineetVinayBhombore, RajagopalanSundaresan, **Shivaprasad Ashok Chikop**, GulMooris, PrachiDubey, SachinJambawalikar, Ramesh Venkatesan and SairamGeethanath "Tailored Magnetic resonance fingerprinting: optimizing acquisition schedule and intelligent reconstruction using a block approach " ISMRM-2018
- **Shivaprasad Ashok Chikop**, VimalChandran, Shaik Imam, Mauricio Antonio Reyes Aguirre and SairamGeethanath "Application of Random Forest Regression for Fast and Robust MRF Dictionary Matching" ISMRM-2017
- **Shivaprasad Ashok Chikop**, AmareshaShridharKonar, NithinVajuvalli, DarshanShivaramKeelara, AshwiniKumnoor, Ramesh Venkateshan and SairamGeethanath "A Cost-effective 3D Printed Cardiac MR Phantom" ISMRM-2017
- **Shivaprasad Ashok Chikop**, VimalChandran, Shaik Imam, Rashmi R Rao, Mauricio Antonio Reyes Aguirre and SairamGeethanath "Application of Partial Least Squares Regression for Fast and Robust Dictionary Matching for Magnetic Resonance Fingerprinting" ISMRM-2016
- **Shivaprasad Ashok Chikop**, AmareshaShridharKonar, NithinVajuvalli, DarshanShivaramKeelara, AshwiniKumnoor, SairameshRaghuraman, Ramesh Venkateshan and SairamGeethanath "A Low Cost Cardiac Phantom for Evaluation of Motion and Thermometry " ISMRM-2016
- **Shivaprasad Ashok Chikop**, AntharikshanagarBellappaSachinAnchan, ArushArunHonnédevasthana, Shaikh Imam, and SairamGeethanath "Spatially Localized Tissue Fingerprinting (STiF)" ISMRM 2015
- **Shivaprasad Ashok Chikop**, AntharikshanagarBellappaSachinAnchan, Shaikh Imam, AmareshaShridharKonar, RashmiRao, ArushHonnédevasthanaArun, and SairamGeethanath "Plug-n-Play Magnetic Resonance Fingerprinting (PnP- MRF)"

National Conferences:

- **Shivaprasad Ashok Chikop, AmareshaShridharKonar, NithinVajuvalli, DarshanShivaramKeelara, AshwiniKumnoor, SairameshRaghuraman, Ramesh Venkateshan and SairamGeethanath** “PolyVinyl Alcohol (PVA) based Cardiac Phantom for Evaluation of Thermometry and Motion” ISMRM-Indian chapter-2016

Conference Attended

- International Society of Magnetic Resonance in Medicine (ISMRM) 2018, Paris.
- International Society of Magnetic Resonance in Medicine (ISMRM) 2016, Singapore
- International Society of Magnetic Resonance in Medicine (ISMRM) 2015, Canada
- International Society of Magnetic Resonance in Medicine (ISMRM) 2014, Italy
- 99th Radiological Society of North America (RSNA) -2013 Conference at Chicago

Patents published with All Details

- **Title:** “Motion Correction of MR Images Using DSLR Camera”, **Application number:** 498/CHE/2015, **Status/year:** Published/2015
- **Title:** “Gardening Robot”, **Application number:** 202041055966 A, **Status/year:** Published/2021
- **Title:** “Robo Umpire”, **Application number:** 202041056016 A, **Status/year:** Published/2021
- **Title:** “Accident Surveillance System in Nh4 Using Video Analytics” **Application number:** 202141002013 A, **Status/year:** Published/2021
- **Title:** ”Animal Surveillance System Using Video Analytics” **Application number:** 202141002027 A, **Status/year:** Published/2021

Awards

- Awarded with E.K. Zavoisky stipend from subcommittee of ISMRM Annual Meeting-2019, Canada
- Awarded with E.K. Zavoisky stipend from subcommittee of ISMRM Annual Meeting-2018, Paris
- Awarded with E.K. Zavoisky stipend from subcommittee of ISMRM Annual Meeting-2016, Singapore
- Awarded with Trainee (Educational) Stipend from Subcommittee of ISMRM Annual Meeting – 2015, Toronto, Canada.
- Change to Excel International Travel Award to attend ISMRM- 2014, Milan, Italy (Funded by DayanandaSagar College of Engineering).
- Change to Excel International Travel Award to attend 99th Radiological Society of North America (RSNA) -2013 Conference at Chicago (Funded by DayanandaSagar College of Engineering).

Academic Activity

- E-Governance Coordinator
- Website Coordinator
- Alumni Mentoring Coordinator
- IRDC Member
- IPR Co-ordinator

Faculty Development Activity/Workshops

- Participated in 5-Day Faculty Development program on “Research Perspectives In Futuristic Computing Technologies” organized by Department of Computer Science & Engineering School of Engineering, Dayananda Sagar University, Bengaluru, India from 6th to 10th July 2020.

Contact Details

Assistant Professor, Department of AIML

Dayananda Sagar Academy of Technology & Management

Udayapura, Kanakapura Road

Bengaluru-560082

Mail ID: shivaprasad-aiml@dsatm.edu.in

Phone No: