




**DAYANANDA SAGAR ACADEMY OF
TECHNOLOGY & MANAGEMENT**

Affiliated to **VTU**
Approved by **AICTE**
Accredited by **NAAC** with **A+** Grade
6 Programs Accredited by **NBA**
(CSE, ISE, ECE, EEE, MECH, CIVIL)

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		
<ul style="list-style-type: none">• 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		
<ul style="list-style-type: none">• Date of Birth:09/01/1989• Hobbies:Painting• Languages Known: English, Kannada and Hindi		
ProfessionalExperience		
<ul style="list-style-type: none">• 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:		
<ul style="list-style-type: none">• Chikop, Shivaprasad Ashok, AmareshaShridharKonar, Nimitha SL Reddy, NithinVajuvalli, DarshanShivaramKeelara, AshwiniKumnoor, SairameshRaghuraman, Ramesh Venkatesan, and SairamGeethanath. "Cost-Effective, Integrated In Vitro Phantoms for Cardiac MRI." <i>Critical Reviews™ in Biomedical Engineering</i> 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, ArushArunHonnedevassthan, 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, ArushArunHonnedevassthan, Shaikh Imam, and SairamGeethanath "Spatially Localized Tissue Fingerprinting (STiF)" ISMRM 2015
- **Shivaprasad Ashok Chikop**, AntharikshanagarBellappaSachinAnchan, Shaikh Imam, AmareshaShridharKonar, RashmiRao, ArushHonnedevassthanArun, and SairamGeethanath "Plug-n-Play Magnetic Resonance Fingerprinting (PnP- MRF)"

<p>ISMRM 2015</p> <p>National Conferences:</p> <ul style="list-style-type: none"> • 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
<p>Conference Attended</p> <ul style="list-style-type: none"> • 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
<p>Patents published with All Details</p> <ul style="list-style-type: none"> • 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
<p>Awards</p> <ul style="list-style-type: none"> • 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

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