




# 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 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Accredited NBA, NAAC with A+, New Delhi

<b>Faculty Name</b>	<b>Shivaprasad Ashok Chikop</b>	
<b>Academic Designation</b>	<b>Assistant Professor</b>	
<b>Educational Qualification</b>	<b>B.E, M. Tech, Ph. D</b>	
<b>Experience in Years</b>	<b>9 years</b>	
<b>Area of Interest</b>	<b>Medical Imaging, Medical Image Processing</b>	
<b>Date of Birth</b>	<b>09-01-1989</b>	
<b>Aadhar No</b>		
<b>PAN No</b>		
<b>Email ID</b>	<b>shivaprasad-aiml@dsatm.edu.in</b>	

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

### Publications

#### International Journals:

- **Chikop, Shivaprasad Ashok**, Amaresha Shridhar Konar, Nimitha SL Reddy, Nithin Vajuvalli, Darshan Shivaram Keelara, Ashwini Kumnoor, Sairamesh Raghuraman, Ramesh Venkatesan, and Sairam Geethanath. "Cost-Effective, Integrated In Vitro Phantoms for Cardiac MRI." *Critical Reviews™ in Biomedical Engineering* 49, no. 3

(2021).

- Honnedevasthana, Arush Arun, S. Vatsalya, **Shivaprasad Ashok Chikop**, and Sairam Geethanath. "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** Darshan Halliyavar , 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**, Antharikshanagar Bellappa Sachin Anchan, Girish Koulagi, Arush Arun Honnedevasthana, Shaik Imam, and Sairam Geethanath. "Automatic motion correction of Musculoskeletal MRI using DSLR camera." *Magnetic resonance imaging* 48 (2018): 74-79.
- **Chikop, Shivaprasad**, Girish Koulagi, Ankita Kumbara, and Sairam Geethanath. "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**, Amaresha Shridhar Konar, Nithin Vajuvalli, Ramesh Venkateshan and Sairam Geethanath "Integrated, 3D printed cost effective phantom solution for MR imaging for cardiac structure and function" ISMRM-2018
- Shaik Imam, Amaresha Shridhar Konar, Vineet Vinay Bhombore, Rajagopalan Sundaresan, **Shivaprasad Ashok Chikop**, Gul Mooris, Prachi Dubey, Sachin Jambawalikar, Ramesh Venkatesan and Sairam Geethanath "Tailored Magnetic resonance fingerprinting: optimizing acquisition schedule and intelligent reconstruction using a block approach " ISMRM-2018
- **Shivaprasad Ashok Chikop**, Vimal Chandran, Shaik Imam, Mauricio Antonio Reyes Aguirre and Sairam Geethanath "Application of Random Forest Regression for Fast and Robust MRF Dictionary Matching" ISMRM-2017
- **Shivaprasad Ashok Chikop**, Amaresha Shridhar Konar, Nithin Vajuvalli, Darshan Shivaram Keelara, Ashwini Kumnoor, Ramesh Venkateshan and Sairam Geethanath "A Cost-effective 3D Printed Cardiac MR Phantom" ISMRM-2017
- **Shivaprasad Ashok Chikop**, Vimal Chandran, Shaik Imam, Rashmi R Rao, Mauricio Antonio Reyes Aguirre and Sairam Geethanath "Application of Partial Least Squares Regression for Fast and Robust Dictionary Matching for Magnetic Resonance Fingerprinting" ISMRM-2016
- **Shivaprasad Ashok Chikop**, Amaresha Shridhar Konar, Nithin Vajuvalli, Darshan Shivaram Keelara, Ashwini Kumnoor, Sairamesh Raghuraman, Ramesh Venkateshan and Sairam Geethanath "A Low Cost Cardiac Phantom for Evaluation of Motion and Thermometry " ISMRM-2016
- **Shivaprasad Ashok Chikop**, Antharikshanagar Bellappa Sachin Anchan, Arush Arun Honnedevasthana, Shaikh Imam, and Sairam Geethanath "Spatially Localized Tissue Fingerprinting (STiF)" ISMRM 2015
- **Shivaprasad Ashok Chikop**, Antharikshanagar Bellappa Sachin Anchan, Shaikh Imam, Amaresha Shridhar Konar, Rashmi Rao, Arush Honnedevasthana Arun, and Sairam

Geethanath "Plug-n-Play Magnetic Resonance Fingerprinting (PnP- MRF)" ISMRM 2015

#### National Conferences:

- **Shivaprasad Ashok Chikop**, Amaresha Shridhar Konar, Nithin Vajuvalli, Darshan Shivaram Keelara, Ashwini Kumnoor, Sairamesh Raghuraman, Ramesh Venkateshan and Sairam Geethanath "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 Dayananda Sagar College of Engineering).
- Change to Excel International Travel Award to attend 99th Radiological Society of North America (RSNA) -2013 Conference at Chicago (Funded by Dayananda Sagar 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 6<sup>th</sup> to 10<sup>th</sup> 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](mailto:shivaprasad-aiml@dsatm.edu.in)  
Phone No: