

Curriculum Vitae

Dr. Shivanand Sharanappa Gornale,
Professor and Chairman

Department of Computer Science

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Web of Science Researcher-ID: AAI-6603-2020



CAREER OBJECTIVE:

I am seeking a challenging position with a reputed organization that is rapidly expanding, adopting and offers good advancement potential in academics, research and development. I would like to be a position with a strong emphasis on Academics, Research and Development.

PERSONAL INFORMATION

Name	: Shivanand Sharanappa Gornale
Designation	: Professor of Computer Science
Mailing Address	: Dr. Shivanand Sharanappa Gornale Professor of Computer Science, School of Mathematics and Computing Sciences, Department of Computer Science Rani Channamma University, Vidya Sangama, PB-NH4- Belagavi -591 156-Karnataka
Residence Address	: Dr. Shivanand Sharanappa Gornale Plot No. 69 CTS No4482B/67. Shruthi Layout, Near Little Scholars Academy, Kanabargi Road, Belagavi City 590016
Date of Birth	: 1 st July-1971
Passport Details	: Passport No: S4312401, Expiry Date: 25 th , June-2028.
Languages known	: English, Hindi, Kannada, Marathi

EDUCATIONAL QUALIFICATION

- ❖ **Ph.D. (Computer Science)** University of Pune, Pune-Maharashtra India. Ph.D. Research topic is, "Development of Compression technique for Noisy Image: A Multi-Wavelet approach" Under the guidance of Dr. K.V. Kale-2009
- ❖ **M.Phil. (Computer Science)**, Manonmaniam Sundarnar University (MSU), Thirunelveli, Tamil Nadu-India- 2003. Dissertation: "Application of power lines in PC-to-PC Communication, their Problems and Solutions"
- ❖ **M.Sc. (Computer Science)**, Dr. Babasaheb Ambedkar Marathwada University Aurangabad, Maharashtra-India -1995
- ❖ **B.Sc. (Physics, Mathematics and Electronics)**, Gulbarga University Gulbarga, March/April 1993

TEACHING EXPERIENCE AND RESEARCH EXPERIENCE

Teaching Experience:

- Working as **Professor of Computer Science**, School of Mathematics and Computing Sciences, Rani Channamma University, Vidya Sangama, NH4-Belagavi –Karnataka from **04.09.2016** to till date
- Worked as **Associate Professor of Computer Science**, School of Mathematics and Computing Sciences, Rani Channamma University, Vidya Sangama, NH4-Belagavi –Karnataka from **04.09.2013** to **03-09- 2016**
- Worked as Assistant Professor and Coordinator, Post Graduate Department of Computer Science, Government College (Autonomous), Mandya –Karnataka (Affiliated to University of Mysore) from **26.02.2008** to **03.09.2013**
- Worked as Asst. Professor and Head, Vidyapratishthan's' Institute of Information Technology (VIIT), Baramati Pune-Maharashtra (Affiliated to University of Pune and AICTE, New Delhi) from **01-08-2006** to **20-02-2008**
- Worked as a Lecturer and Head, Department of Computer Science, Channabasaveshwar Degree College Bhalki (Affiliated to Gulbarga University, Gulbarga) from **26-07-1995** to **31-07-2006**.

Research experience:

- Working on Minor Research Project sanctioned by the Rani Channamma University, Belagavi under PM-USHA entitled “**Multimodal Biometric Data Analysis for Human emotions state Prediction**”, (RCUB/Ro/2025-25/6828/13 Dated 1th, Feb-2025)
- Completed Minor Research Project sanctioned by UGC New Delhi entitled “**Study of Fingerprint image de-noising techniques through Decimated and Un-decimated Wavelet Transform (WT)**”. (Ref.No. UGC/MRP(s)/0286/08-09/KAMY022) (completed)
- Working as Mentor on Project Under Women Scientist Scheme-B(WOS-B) entitled “**Detection and Analysis of Osteoarthritis in Knee X-ray images using Machine Vision**”, By DST, New Delhi for 03 Years- 2017-18 to 2019-2020 (22,10,000/- Completed)
- Doing research work in Image Processing and pattern recognition for Biometric, Medical Imaging application and Networking (Since 1999).

Research Area of Interest:

- Image Processing, Computer Vision, Image Data Compression, Wavelets, Information Communication Technology, Biometrics Data Analysis

Research Guidance:

- Recognized Research Guide for **Ph.D. in Computer Science & Engineering** School of Mathematics and Computing Sciences, Rani Channamma University, Vidya Sangama, PB-NH4- Belagavi -591 156–Karnataka
- Recognized Research Guide for **Ph.D. in Computer Science and Engineering**, Jain University, Bangalore.
- Recognized research guide for M.Phil in Computer Science of Alagappa University, Karaikudi Tamil Nadu 12 students awarded degree under my guidance. http://www.alagappauniversity.ac.in/downloads_pdf/mphil_computer_guide.pdf
- **07 Ph.D. Students awarded.**
- Guided Two Projects for AVISKAR-2007 Research Festival, University of Pune.
- Guided more than 250 Projects for M.Sc., MCA and M. Tech. in Computer Science/ Computer Applications under University of Pune, University of Mysore, Gulbarga University Gulbarga and Rani Channamma University, Belagavi.
- Presently **04 Ph.D. students are working** under my supervision Rani Channamma University, Belagavi in the area of Digital Image Processing, Pattern Recognition and Computer Networking

Google Scholar Citations

Citations	1067
h-index	18
i10-index	31

[Prof. Shivanand Sharanappa Gornale - Google Scholar \(beds.ac.uk\)](https://scholar.google.com/citations?user=beds.ac.uk)

Countries Visited:

1. Thailand. 2. Malaysia

Teaching Experience in other Institutions:

- From 04-12-2000 to 31-04-2001, as a part time Lecturer in **Post Graduate Diploma in Computer Application (P.G.D.C.A) Course**, Karnataka Commerce College, Bidar (Affiliated to Gulbarga University).

ACADEMIC AND ADMINISTRATIVE EXPERIENCE

- Working as a Nodal Officer E-Samadhan Portal (UGC-New Delhi):
- Working as a Nodal Officer UUCMS Software for Rani Channamma University, Belagavi
- Worked as **Registrar (Evaluation)**, Rani Channamma University, Vidya Sangama, PBNH4-Belagavi – Karnataka from **06-06-2022 to 04-10-2023**
- Worked as a **Director, IQAC** Rani Channamma University, Vidya Sangama, PBNH4-Belagavi – Karnataka from **19.12.2018 to 15.06.2022** (Additional Charge).
- Worked as a Taskforce Committee Member NEP-2020, Rani Channamma University, Belagavi
- Worked as a Nodal Officer, Digital Fluency, Rani Channamma University, Belagavi
- Worked as a **“E-governance Nodal Officer”**, Rani Channamma University, Belagavi
- Worked as a **Deputy Registrar(DPAR)**, Rani Channamma University, Vidya Sangama, PBNH4-Belagavi – Karnataka from **16.11.2015 to 18.12.2018** (Additional Charge)
- Worked as **AISHE Nodal Officer** of Rani Channamma University, Vidya Sangama, PBNH4-Belagavi – Karnataka
- Worked as a **Deputy Registrar**, Rani Channamma University, Vidya Sangama, PBNH4-Belagavi – Karnataka from **12.12.2014 to 29.01.2015** (Additional Charge)
- Worked as a **Deputy Registrar(Evaluation)**, Rani Channamma University, Vidya Sangama, PBNH4-Belagavi –Karnataka from **21.09.2013 to 11-12-2014** (Additional Charge)
- Worked as a **Controller of Examinations (COE)** of Autonomous College from **01-04-2009 to 03.09.2013** in Government College, (Autonomous), Mandya(Additional charge)

ACHIEVEMENTS AND AWARDS

- ✚ Presented paper in IEEE sponsored International Conference on 4th International Conference ☐ Presented a paper at the *IEEE-Sponsored 4th International Conference on Computer Graphics, Imaging and Visualization (CGIV-07)*, held from **14th to 17th August 2007** in **Bangkok, Thailand**.
- ✚ Nominated for the **“Best Teacher Award”** for the academic year **2006–2007** under the **University of Pune**, Maharashtra, India.
- ✚ Recipient of the **“Vidyabhushan” Award (2010)** conferred by **INSA (Indian NET-SET Association)**, Amravati, Maharashtra, India.
- ✚ Serving as a **Research Fellow** at **INTI International University, Malaysia**, until **31st December 2025**.
- ✚ Recipient of the **“Era Asian Research Excellence Award 2025”** by the **Einstein Research Academy (Reg. No. 367/2019)**, Puducherry, India.
- ✚ Honoured with the **“Excellence in Forensic Research and Publications Award 2025”** by **Applied Forensic Research Sciences**, Indore, Madhya Pradesh, India (Registered under the Madhya Pradesh Society Registration Act, 1973).

INTERNATIONAL/NATIONAL CONFERENCE/WORKSHOP/SEMINAR PARTICIPATED

INTERNATIONAL CONFERENCE

1. Attended **International Conference** on “ICT in Education and Development” organized by AISECT Bhopal (M.P) India from December 16-17-18, 2004.
2. Attended **International Conference** on Systemic, Cybernetics, and Informatics ICSCI-2006-Hyderabad- India from 4th –8th Jan-2006.
3. Attended three days **IEEE-International Conference** on Signal and Image Processing (IEEE-ICSIP-06) 7- 9th Dec 2006, Hubli Karnataka.
4. Attended **International Conference** on Systemic, Cybernetics, and Informatics ICSCI-2007-Hyderabad- India from 3th –7th Jan-2007.
5. Attended the **IEEE-International Conference** on Computer Graphics Imaging and Visualization (CGIV- 07) 15-17th, August 2007, Bangkok Thailand.
6. Attended the **IEEE-International Conference** on Advances in Computer Vision and Information Technology (IEEEACVIT-07) 28-30th November, 2007, Aurangabad (MS)-India.
7. Attended the **International Conference** on “Managing Next Generation Software Applications-08(MNGSA-2008) 05-06-December 2008 –Coimbatore- India.
8. Attended the **IEEE Sponsored International Conference** on Advances in Computer Vision and Information Technology (IEEE-ACVIT-09) 16th 19th December, 2009, Department of Computer Science & IT Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-Maharashtra-India
9. Attended and chaired the session in third **International Conference** on Cognition and Recognition (ICCR)-2011 Organized by the Department of Computer Science University of Mysore- India 09-10th, Dec-2011.
10. Attended and chaired the session in **International Conference** on Multimedia Processing Communication and Computing Applications organized by the Department of MCA on 13th-15th Dec-2012, PESIT, Bangalore-India
11. Attended and Chaired the session on “Symposium on network Security and Computer Vision” at **103rd Indian Science Congress** held at University of Mysore, Mysore on 03-7th Jan-2016
12. Attended and Chaired the Session in First **International Conference on Recent Trends in Image processing and Pattern Recognition(RTIPR)**, 16-17th December-2016 organized by Post Graduate Department of Computer Science, Karnataka Commerce College Bidar, Karnataka.
13. Attended and Chaired the Session in **International Conference on Cognition and Recognition (ICCR- 2016)** on 30th and 31st of December, 2016 in MIT Mysore-Karnataka.
14. Attended and Chaired the Session in **International Conference on Recent Trends in Computer Science, Engineering and Technology (ICRACSET-2017)** on 3rd Feb-2017, MGM’s Dr. G Y Patrekar College of Computer Application and Information Technology-Aurangabad-Maharashtra-India
15. Attended International Conference on eITBM-2018 at VIIT, Baramati, 12th to 13th Feb-2018 Maharashtra-India.
16. Attended East **Asia Regional Conference of International Biometric Society-2108** to be held at Department of Medical Biometrics and Informatics(Biostatics), JIPER, Pondichery scheduled on 16th and 17th Feb-2018.
17. Attended and Chaired the Session in 3rd Biennial International Conference on **Recent Trends in Image Processing and Pattern Recognition(RTIP2R)**, Jan, 3-4th, Jan-2020, Organized by Department of Computer Science & IT Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-Maharashtra-India
18. Attended and Chaired the Session in International Conference on Advances in Computer Vision and Artificial Intelligence Technologies ACVAIT2022: Organized by Department of Computer Science and Information Technology, Dr. B A M University, Aurangabad, India, August 1-2, 2022
19. Attended and Chaired the session in International Conference on “Innovations in Computational and Physical Silences for Sustainable Development (ICPSSD-2022) organized by Vijayanagara Sri Krishnadevaraya University, Bellary 21-23, Dec-2022, Karnataka India

NATIONAL CONFERENCE

20. Attended a **National conference** on "Language Engineering" Conducted by University of Hyderabad, Hyderabad. From 13th - 15th December -2002.
21. Attended a **National conference** on "Computer Communication & Security" Jointly conducted by Dr. B.A. Marathwada University Aurangabad & IETE Aurangabad from 4th –5th Jan- 2004.
22. Attended **National Conference** on “e-Learning Challenges and Opportunities in the Indian context” Organized by Computer Society of India (CSI) and BBCIT Hyderabad -India on 29-10-04 to 30-10-04.
23. Attended **National Conference** on “Geometry, Analysis, Fluid Mechanics and Computer Applications” Organized by the Dept. of Studies in Mathematics and Computer Science, Kuvempu University, Shankaraghatta Karnataka, India on 9th, 10th and 11th Dec-2004.
24. Attended Two days **National Conference** on “Advancement in Information Technology and Internet Security”, SIBAR Pune Maharashtra -India 4-5 Jan, 2008.
25. Attended two days **National seminar** on “Image Processing and Pattern Recognition” conducted by Karnataka Arts, Science and Commerce College, Bidar Karnataka during 15th-16th Feb-2010
26. Attended Two days **National Conference** on “Recent Trends in Computer Application” Conducted by Department of Management Science, DR BAMU Aurangabad-(MS) during 17th-18th Feb-2010.
27. Attended **98th Indian Science Congress** organized by SRM University Chennai from 03-01-2011 to 07- 01-2011
28. Attended **99th Indian Science Congress** organized by KIIT University Bhubaneswar from 03-01-2012 to 07-01-2012
29. Attended one day UGC Sponsored **National conference** on “Managerlization-2012”, organized by Department of MBA and MCA Dr. BAMU, Aurangabad Sub-campus Osmanabad-Maharashtra on 18-02-2012.
30. Attended and chaired the session in **National Conference** on “Computer Networks and soft Computing NCNS-12 organized by the Department of Computer Science Engineering on 6th and 7th Nov-2012,SIT,Tumkur
31. Attended and chaired the session in UGC Sponsored **National Conference** on “Core Competency in Computing” organized by the Post Graduate Department of Computer Science on 22nd and 23rd Feb-2013, JSS College Ooty Road Mysore.
32. Attended and chaired the session at **National Conference** on Recent Trends in Computer Science and Applications and Computational Mathematics” 20th and 21st Dec-2013, Indira College, Pune-Maharashtra.
33. Attended UGC sponsored **National conference** on “Machine Learning and Pattern Recognition “held on 1st and 1nd Feburuary-2014, C. B. College, Bhalki, Dist Bidar-Karnataka.

WORKSHOP/SEMINAR

34. Attended a One-day **Workshop** on “Effective Teaching Skills ” conducted by Rotary Club Bidar, Bidar on 14th Oct-2000.
35. Attended a one day **workshop** on "Preparation of the B.Sc./B.Com/B.A (Computer Science/ Computer Applications) Syllabus under semester scheme" on 07-08-2003, at Gulbarga University Gulbarga
36. Attended a **One-day Seminar** on " Vocationalization of Higher Education “ and interface meeting regarding Career Oriented Program at undergraduate level by University of Madras on 11th –14th, Feb-2004.
37. Attended a **workshop** on “E-Education” Organized by Department of Computer Science and IT and Department of Library and Information Science and University Library, Dr. Babasaheb Ambedkar Marathwada University Aurangabad, Aurangabad on 16th Sept.2004
38. Participated a Three-day **National Seminar** on “Role of NSS in the formation of youth in the New Millennium” Jointly conducted by Gulbarga University Gulbarga (NSS), State NSS Cell, and Department of information, Tourism & Youth Services Government. Karnataka, Bangalore from 7th Jan to 9th Jan-2005 at Gulbarga University Gulbarga.
39. Attended a **workshop** on “Embedded System and Its applications” Organized by Department of Computer Science and IT Dr. Babasaheb Ambedkar Marathwada University Aurangabad, Aurangabad and IETE Aurangabad Sub center Aurangabad on 7th March, 2006

40. Attended a One-day **Workshop** on "MCM Syllabus Orientation Program " Conducted by VIIT, Baramati(MS)-India on 2nd September-2006
41. Attended Two days **workshop** on "Software Project Management" at PVG Engineering College, Pune-Maharashtra –India on 22nd -23rd, June, 2007.
42. Attended **Six days workshop** on "Computational Neuroscience" conducted by SIBACA, Pune Sponsored by University of Pune and CSIR New Delhi from 23-06-2008 to 29-06-2008.
43. Attended one day workshop on **Faculty development workshop and Orientation programme** on 24th October 2013 at Rani Channamma University, Belagavi- Karnataka.
44. Attended two days National Seminar on "Women Empowerment During 21st Century in India", on 22nd-23rd November- 2013 sponsored by ICSSR New Delhi at Rani Channamma University, Belagavi-Karnataka.
45. Attended Two days workshop on "**Web Technology**" at S.B Arts and KCP Science college, Bijapur jointly organized Rani Channamma University, Belagavi on 25th and 26th November-2013.
46. Attended One Day UGC Sponsored National Workshop on Recent Developments in **Digital Image Processing and Pattern Recognition-2014**, organized by Dept. of Computer Science, Gulbarga University, Gulbarga on 30th May 2014.
47. Attended UGC Sponsored National Conference on "**The Role of Information and Communication Technology in the Higher Education of Rural Areas**", organized by Department of Physics and Computer Science, at Maharashtra Mahavidyalaya, Nilanga on 8-9th August-2014
48. Attended and chaired the session in one day seminar on "**E-Resources for Teaching, Learning and Research (ERTLR-2014)**" on 03.11.2014 in the PG Department of Computer Science, Karnataka Commerce College, Bidar- Karnataka in association with Spoken tutorial project IIT, Mumbai.
49. Attended one day National Workshop on "New Innovations in Cloud Computing for Big Data" on 19th December-2015 organized by IQAC and PG Department of Computer Science, Karnataka Commerce College, Bidar- Karnataka in association with Manjrasoft, Australia
50. Attended one day workshop on "**A Precursor for Quality Assessment**", on 17th March- 2016 at Rani Channamma University, Belagavi- Karnataka.
51. Attended one day workshop on "**Curriculum Design: Outcome Based Educational Model**", on 6th April-2016 at Rani Channamma University, Belagavi- Karnataka Jointly organized in collaboration with Higher Education Council, Govt. of Karnataka.
52. Attended one day workshop on "**Recent Advances in Optical Communication Networks**", on 29th May-2017 at Higher Education Council, Govt. of Karnataka.
53. Attended one day National Symposium on "**Industry-Academia Research Meet on Data Science**", Vivekananda College, Aurangabad-Maharashtra in collaboration Society of Data Science-India on 02-03-2019.
54. Chief Guest for ALCHEMY-2019-National Level **Mega-IT Fest** Organized by People Tree Education Society's College of BCA, Belagavi on 15-03-2019
55. Attended one day workshop on "**Awareness Programme on NAACs Assessment and Accreditation Process for Affiliated Colleges of Karnataka University and Rani Channamma University, Belagavi**", held on 27th, Sept-2019 at NAAC office Bangalore.
56. Resource Person, One Day State Level Seminar on **Cloud Computing** organized by Arts, Commerce, Science and BCA College, Harurgeri- Karnataka on 13-10-2019.
57. Attended 05 days on line certification program on "**Artificial Intelligence**" conducted by Agimus Technologies PVT Ltd, Bangalore from 4th, May-2020 to 8th, May-2020
58. Attended One day workshop on "**Revitalizing Student Mentoring System in Rani Channamma University**", Belagavi on 4th Feb-2021 organized by PMEB and Social Work Department, RCU, Belagavi.
59. Attended two days Online FDP on "**Deep Learning Using MATALAB**" organized by Corel Technologies Bangalore on 24th, Feb-2021 to 25th, Feb-2021.
60. Attended and acted as Session Chair in International Conference on "**Artificial Intelligence and Soft Computing**" organized by Department of Computer Science, Akkamahadevi State Women University Vijayapura Karnataka 11th, Feb-2021 to 13th, Feb-2021.

61. Attended One day workshop on “**National Education Policy-2020**” organized by Rani Channamma University, Belagavi in Collaboration with RLS College Belagavi on 13th, October-2021

TRAINING PROGRAMES AND COURSES PARTICIPATED

a) Orientation Course

1. Attended the 84th Orientation Course conducted By University of Mysore Mysore, from 7th Oct-2009 to 3rd Nov-2009 delivered the Seminar on "Biometrics and its Application" and Secured A Grade
2. Attended the 21st Orientation Course conducted By BANARAS HINDU UNIVERSITY Varnasi, from 5th May 1998 to 1st June 1998 and delivered the Seminar on "E-Mail "
3. Attended the 10 days N.S.S. Orientation Course Conducted by TOC, center Mysore University, Mysore from 8-11-2001 to 17-11-2001.

b) Refresher Course

4. Attended Refresher Course in Computer Science and Information Technology Conducted by Dr. Babasaheb Ambedkar Marathwada University Aurangabad, Maharashtra-from 08th –28th March-2011 and Secured A Grade.
5. Attended Refresher Course in Computer Science Conducted by “University of Pune, Pune from 08th –28th November-2005 and Secured A Grade. Training Programme
6. Attended three days Training Program on “**Wavelets and Advanced Wavelets**” 31-01-2006 to 02- 02-2006, Government Engineering College, Aurangabad-India.
7. Attended 07 days “**Teacher Empowerment Training for Asst. Professor of Government First Grade Colleges Mysore Region**” from 05-05-2012 to 11-05-2012 organized by Karnataka Knowledge commission and Regional Directorate of Collegiate Education, Mysore-05 at Government. College, Mandya.
8. Attended **one month** internship programme on “**Core MATLAB and its Applications for Image Processing and Machine Learning**” held from 10th May to 9th June 2021, from Sandeepani School of Embedded System Design, Bangalore.
9. Completed the **CLARIVATE Journal Citation Reports(JCR)** Certification Series-2021 on 08-07-2021 (Certificate ID: 12767057696)
10. Participated and completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “**Artificial Intelligence**” from 20-09-2021 to 24-09-2021 at Dr. Bababasheb Ambedkar Marathwada University, Aurangabad (Certificate No. ATAL/2021/1631009644)

MOU Established

University of Malaya, Malaysia – From *20th May 2020* to *19th May 2025* (Duration: 5 years)

Putra Malaysia University, Malaysia – From *11th November 2023* to *10th November 2028* (Duration: 5 years)

INTI International University, Malaysia – From *30th August 2023* to *29th August 2028* (Duration: 5 years)

IIIT Dharwad Research Park, Dharwad – From *16th July 2025* to *15th July 2028* (Duration: 3 years)

The University of Salford, United Kingdom – From *20th October 2025* to *19th October 2030* (Duration: 5 years)

INVITED TALK/LECTURE DELIVERED

- Attended and delivered a talk on “**AI – Recent Advances and Future Challenges**” at the **Two-Day National Conference on “AI for a Sustainable and Inclusive Future”**, held from **24th to 25th October 2025**, organized by **Karnataka Arts, Science and Commerce College, Bidar, Karnataka**, under the **AICTE VAANI Scheme, Government of India**.
- Delivered a talk on “**EEG Data Analysis for Human Emotions traits Prediction**”, on 28th, March-2025 organized by Karnataka Higher Education council, Bangalore, Karnataka.

- Delivered a talk on **“Quality Education in India through Digital Transformation: A Path towards Achieving the Sustainable Development Goals”**, on 31st, Jan-2025 UGC Sponsored Refresher Course on - from 27th January to 08th February 2025, ICT (Interdisciplinary) organized by UGC-Malaviya Mission Teacher Training Centre SGB Amravati University, Amravati, Maharashtra India
- Served as a plenary speaker at the panel discussion on **“Integration of Information Technology in Health Sciences: A Future Perspective,”** held at INTI International University, Malaysia, during the Global Congress on Sustainable Growth & Development (GCSDG 2024), organized by the Einstein Research Academy on 12th December 2024
- Delivered talk on **“Document Image Analysis for Forgery Detection using Digital Image Processing Techniques”**, National conference on Computer Science and Information Technology”, organized by Shivaraj College of Arts, Commerce and D.S. Kadam Science College, Gadhinglaj, Dist Kollapur sponsored by Shivaji University, Kollapur-Maharashtra 15th, February-2024.
- Delivered talk on **“Mathematics in Data Science: Towards Data Representation, Clustering, Classification and Analysis in** International conference on Computational Mathematics Organized by Department of Mathematics, Sadguru Gadage Maharaj College (Autonomous), Karad, Maharashtra on 03-02-2023
- Delivered talk on **“Data Representation: Clustering, Classification and Analysis** “in the three days First International conference on Applications of Artificial Intelligence in Industry and Society organized by the School of Computational Sciences Swami Ramanand Teerth Maratawada University, Nanded Maharashtra-India on 28th-30th, March-2022
- Delivered talk on **“Data Representation: Clustering, Classification and Analysis** “in the two days interdisciplinary National conference on “Recent Trends in Mathematical Modelling, Simulation Methods, Computations and Physical Sciences”, organized by HISLOP College, Nashik Maharashtra 08-09-2021
- Delivered talk on **“Fundamentals of Digital Image processing”**, in the National level Webinar on Digital image processing and Computer vision @Karnataka Commerce College, Bidar Karnataka on 31-05-2021.
- Delivered talk in UGC-Human Resource Development Center, Aurangabadis organizing a Pre-Phd Course work from (02/01/2021 to 15/02/2021) topic: **Data Representation: Clustering and Classification** on 04-01-2021
- Delivered talk on **“DEEP LEARNING: Theoretical and Practical Approach”**, AICTE sponsored Online STTP on “Deep Learning Tools & Techniques” from 07/12/2020 to 12/12/2020”, organized KLE Dr. M. S. Sheshgiri College of Engineering & Technology, Udyambag, Belagavi – 590008 on 7th December 2020.
Delivered talk on **“Computer Aided Systemization for the detection of OA in Knee X-ray Images”** One-Day National Webinar on “Computer Applications in Medical Science”, Karnatak University’s KARNATAK SCIENCE COLLEGE, DHARWAD Organized by IQAC and Dept. of Computer Science Organizing on 01-12-2020.
- Delivered talk on **“The Role of ICT in Teaching, Learning and Research Education Towards the digitization”**, UGC-HRD- Online Refresher Course on “Emerging issues in Information Communication Technology” (Inter Disciplinary) from 12th October 2020 to 24th October, 2020, DR. BAMU, Aurangabad- Maharashtra (15-10-2020)
- Delivered talk on **“Multimodal Biometric Data Analysis for Gender identification”**, AICTE sponsored STTP on Bio-Medical Systems Design using Artificial Intelligence & Machine Learning ” from 7th to 12th September 2020, G H Raisoni College of Engineering, Nagpur-Maharashtra (10-09-2020)
- Delivered Lecture on **“Document Image Analysis for Forgery Detection using Digital Image Processing techniques”**, One day e-seminar On “The role of Mathematics and computer science in Artificial Intelligence (AI) and Machine learning” Organized by Department of Mathematics and Statistics, Date: 31st, August 2020., Krishna Mahavidyalaya, Shivanagar, Karad, Satara- Marahastra
- Delivered talk on **“Hard Biometric Data Analysis, towards the Estimation of Soft-Biometrics”**, at Virtual **National Symposium on Soft biometrics** organized by Dr. G Y Patrekar College of Computer Science and Information Technology, Aurangabad Maharashtra on 18th, May-2020
- Delivered talks on **“Next Generation Human Identification And Verification: Revisiting Biometric Technologies...”** and **“Medical Imaging in Clinical Applications: A Computer Aided Approach”**, at Human Resource Development Center , Bangalore University, Bangalore Refresher Course in Computer Science, Sponsored by UGC from 08.12.2018 to 29.12.2018.

- Attended and Delivered talk on “**Human Identification and Verification-Revisiting Biometric Technologies A Machine Learning Approach**” International Conference on eITBM-2018 at VIIT, Baramati, 12th to 13th Feb-2018 Maharashtra-India.
- Attended and presented a paper in **East Asia Regional Conference of International Biometric Society- 2108** to be held at Department of Medical Biometrics and Informatics(Biostatics), JIPER, Pondichery scheduled on 16th and 17th Feb-2018.
- Attended and Chaired the Session at **6th National Conference on Recent Trends in Computer Science and Applications and Computational Mathematics**” 22nd and 23rd Dec-2017, Indira College, Pune-Maharashtra.
- **Chief Guest** for “Annual Day Function” M P Miriji College of Commerce, P G Department of Commerce, Belagavi on 19th May-2017.
- Attended and Delivered talk on “**Detection and Analysis of Osteoarthritis in Knee X-ray Images: A Machine Vision**” at UGC Sponsored National Conference on “Innovations in Computer Science, Communications and Information Technology (INNOVTIT-2017), 7th and 8th April-2017, Latur-Maharashtra-India.
- Attended and Delivered talk on “**Next Generation Human Identification and Verification: Revisiting Biometric Technologies...**” at one State Level Seminar on “Growing Trends in Computer Science and Application” on 4th Feb-2017 at St Mira’s College for Girls Pune- Maharashtra-India.
- Attended and Chaired the Session in **International Conference on Recent Trends in Computer Science, Engineering and Technology (ICRACSET-2017)** on 3rd Feb-2017, MGM’s Dr. G Y Patrekar College of Computer Application and Information Technology-Aurangabad-Maharashtra-India
- **Chief Guest** for “Aavishkar-V.17” Technical Fest at Bharatesh College of Computer Application, Belagavi on 27th Jan-2017.
- Attended and Chaired the Session in **International Conference on Cognition and Recognition (ICCR- 2016)** on 30th and 31st of December, 2016 in MIT Mysore-Karnataka.
- Delivered plenary talk on “**Next Generation Human Identification and Verification: Revisiting Biometric Technologies...**” at UGC Sponsored National Conference on “Current Advances in Human Computer Interaction” on 23rd -24th December 2016 at COCSIT, Latur-Maharashtra.
- Attended and Chaired the Session at **National Conference on Recent Trends in Computer Science and Applications and Computational Mathematics**” 22nd and 23rd Dec-2016, Indira College, Pune-Maharashtra.
- Attended and Chaired the Session in **First International Conference on Recent Trends in Image processing and Pattern Recognition(RTIPR)**, 16-17th December-2016 organized by Post Graduate Department of Computer Science, Karnataka Commerce College Bidar, Karnataka.
- Delivered special lecture on “**Biometrics for Next Generation: Security Issues and Challenges**” in Post Graduate Department of Computer Science, Karnataka Commerce College Bidar, Karnataka on 6th May-2016.
- Delivered special lecture on “**Next Generation Human Identification and Verification**” in Department of Computer Science, Government College, Bidar Karnataka India on 5th May-2016.
- Attended and Chaired the Session in **UGC Sponsored National Conference on Recent Trends in Image processing and Pattern Recognition(RTIPR)**, 2nd-3rd, April-2016 organized by Post Graduate Department of Computer Science, Karnataka Commerce College Bidar, Karnataka
- Delivered talk on “**Research Avenues in Digital Image Processing and Pattern Recognition**”, in Dept of Computer Science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-India on 18th April-2016.
- Delivered special lecture on “**Next Generation Human Identification and Verification: Revisiting Biometric Technologies...**” in Department of Computer Science, Government Institute of Forensic Science, Nagpur -Maharashtra, India on 21st March-2016.
- Delivered special lecture on “**Research issues in Digital Image Processing and Machine Vision**”, in Department of MCA, Vachana Pitamaha Dr. P. G. Halkatti College of Engineering and Technology, Bijapur-Karnataka India on 19th March-2016.
- Delivered two plenary talks on “**Next Generation Human Identification and Verification: Revisiting Biometric Technologies...**” and “**Research issues in Digital Image Processing and Machine Vision**” at UGC Sponsored National Workshop on Processing and Image Processing, in Department of Computer Science, North Maharashtra University, Jalgoan-Maharashtra, India on 21st-23rd Jan-2016.
- Delivered Talk on “**Research issues in Digital Image Processing and Machine Vision**”, at 4th National Conference on Recent Trends in Computer Science and Applications and Computational Mathematics” 16th Jan-2016, Indira College, sponsored by Savitribai Pule Pune University, Pune- Pune-Maharashtra- India

- Attended and Chaired the session on “Symposium on network Security and Computer Vision” at **103rd Indian Science Congress** held at University of Mysore, Mysore on 03-7th Jan-2016
- Jury Member for **TECHOGACM-2015 IT QUIZ Competition** on 12th Dec-2015 held at PG Department of Computer Science, Government College (Autonomous), Mandya Karnataka.
- Attended and chaired in 8th IEEE sponsored “National level Technical Contest”-HIT-QUEST-2015 on 10.10.2015 at Hirasugar Institute of Technology, Nidasohi-Belagavi
- Delivered talk in “ **Role of ICT in e-Learning**”, at NAAC sponsored National Conference at B K College, Belagavi- Karnataka on 3rd and 4th March-2015.
- Delivered Talk on “**Revisiting to Biometrics Technologies: Towards the Gender Classification**”, at 3rd National Conference on Recent Trends in Computer Science and Applications and Computational Mathematics” 21st Feb-2015, Indira College, Pune-Maharashtra.
- Delivered Talk on “**Biometrics Technologies: Limitation and Challenges**”, at National Workshop on Cyber Security and Cyber Crimes, on 15th Feb-2015, MIT, CIDCO, Aurangabad, Maharashtra.
- Resource Person for **National Integration Camp-2014-2015** organized by NSS Unit by Rani Channamma University in association with Youth Empowerment and Sports Department from 4th Feb-10th Feb-2015
- Delivered talk on “**Research Methodology**” on 24.11.2014 in the PG Department of Political Science, Government College (Autonomous), Mandya Karnataka.
- Delivered talk on “**Image Understanding**”, in Dept of Computer Science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-India under industrial lecture series on 11th Oct-2014.
- Delivered talk on “**Scope for Research in Digital Image Processing and Pattern Recognition**”, in Dept of MCA, Sinhgad Institute of Business Administration and Research, Kondhwa, Pune on 10th Oct-2014.
- Delivered talk on “**Image Processing and Its Applications**” at UGC sponsored National conference on “Machine Learning and Pattern Recognition” held on 1st and 1nd February-2014, C. B. College, Bhalki, Dist Bidar-Karnataka
- Delivered talk on “**Biometrics Technologies: Limitation And Its Future Challenges**” at UGC sponsored National Workshop on “Matlab and Its Applications” held on 17th and 18th January-2014, G.S.S Degree College, Belgum-Karnataka
- Delivered talk on “**Fundamentals of Research in Computer Science**” on 12.10.2013 in the PG Department of Computer Science, Karnataka Commerce College, Bidar-Karnataka
- Delivered Talk on “ **Automatic Scene Text Recognition in image: Applications to Blind Persons**”, at National Conference on Recent Trends in Computer Science and Applications and Computational Mathematics” 21-22nd Dec-2012, Indira College, Pune-Maharashtra
- Delivered talk on “**Image Processing Using MATLAB**”, in Dept of Computer Science and IT, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-India under industrial lecture series on 02nd August-2012
- Delivered talk on “**Future Trends of Biometrics and its Challenges**” and “ **Role of Mathematical tool in Digital Image Processing**” 2nd Refresher Course in Mathematical Science from 9th to 29th January 2012, Academic Staff College, University of Mysore-Mysore-Karnataka
- Delivered talks on “**Role of IT in Research**” and “**E-learning through ICT**” at Training Institute, Mysore for “Teacher Empowerment Training for Asst. Professor of Government. First Grade Colleges Mysore Region” from 01-05-2011 to 07-05-2011 organized by Karnataka Knowledge commission and Regional Directorate of Collegiate Education, Mysore-05.
- Delivered talks on “**Role of IT in Research**” and “**E-learning through ICT**” at Training Institute, Mysore for “Teacher Empowerment Training for Asst. Professor of Government. First Grade Colleges Mysore Region” from 03-09-2011 to 09-09-2011 organized by Karnataka Knowledge commission and Regional Directorate of Collegiate Education, Mysore-05.
- Delivered talk on” **Basic Research Concepts**” at National Conference on UGC Sponsored “Recent Trends in Information Technology ” 6th and 7th March-2011 , Conducted by Dept of Computer Science C. B College, Bhalki, Dist Bidar-Karnataka
- Delivered talk on “**Biometrics and its Application**” in “Science day” at Government College for Women Mandya on 3rd March-2010.
- Delivered talk on” **Basic Research Concepts**” at National Conference on “Emerging Trends in Computer Application” 18-19th Feb-2010, Conducted by Dept of MCA, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-India
- Delivered talk on “**Basic Research Concepts**” for PG students [Physics] at Government College[Autonomous], Mandya on 05th April-2009

- Delivered talk on “**Biometrics and its Application**” in Science forum NDRK College, Hassan Karnataka on 17th March-2009.
- Delivered talk on “**Biometrics and its Application**” in Sharada Vilas College, Mysore- Karnataka on 9th April-2009
- Delivered talk on “**Research Concepts**” and “**Biometrics and its Application**” at 81st Orientation Programme Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University Aurangabad- Maharashtra on 17th and 18th Feb-2010

MEMBER OF PROFESSIONAL /ACADEMIC BODIES

Professional Bodies

- ❑ **Member** of International Computer Science and Engineering Society (ICSES)(4041)
- ❑ **Life Member** of Indian Society of Criminology, Chennai-India (LM 1861)
- ❑ **Life Member** of The Indian Society for Technical Education(ISTE), New Delhi (MID-LM121715)
- ❑ **Member** International Biometric Society (IBS)-Indian Region (IBS Member ID number is 1291895) for the academic year 2017-18
- ❑ **Member** of Association for Computing Machinery(ACM) Advancing Computing as a Science & Profession (Membership No. 6840456)
- ❑ **Sectional Committee Member** of the section Information Communication Science and Technology (including Computer Science) for 2016-17 (104th Session of the Indian Science Congress).
- ❑ **Life Member of Indian Red Cross Society**, Belagavi District (Membership No.4004):
- ❑ **Associate Member** of Universal Association of Computer and Electronics Engineers (UACEE)-IRED (Membership No. AM1010002791) from 3rd Feb-2015 to 3rd Feb, 2018.
- ❑ **Life Member** of Indian Unit for Pattern Recognition and Artificial Intelligence, Indian Statistical Institute Calcutta (L098)
- ❑ **Fellow** of Institute of Electronics & Telecommunication Engineers (IETE), New Delhi (No. F176008).
- ❑ **Member** of International Association of Engineers (IAENG), Hong Kong (No. 62478)
- ❑ **Member** of ACM-Computer Science Teachers Association (ACM-CSTA/USA) {Order No 8549721 / Membership No. 6840456}
- ❑ **Member** of Indian Association for Research in Computer Science (IARCS), Tata Institute of Fundamental Research (TIFR), Mumbai
- ❑ **Member** of International Association of Computer Science and Information Technology (IASCSIT) Singapore (Membership No. 80331312)
- ❑ **Life Member** of Computer Society of India, Mumbai (No.01069229)
- ❑ **Life Member** of Indian Science Congress Association (No.L16598) Kolkata-India
- ❑ **Life Member** of Government. First Grade College Teachers Association of Karnataka(KGCTA), Bangalore (No.2686/2011-12)
- ❑ **Member:** IASTED: International Association of Science and Technology and Development www.iasted.org/TC.aspx
- ❑ **Board Members** - International Association of Scientific Innovation and Research : www.iasir.net/boardmembers.html

Evaluation of Dissertation @ Various Universities (Ph.D./M.Phil /M.Tech./ M.Sc.)

- University of Mysore, Mysuru, Karnataka- India
- Sant Gadage Baba University, Amravati, Maharashtra-India
- Rashtra Sant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra-India
- Savitribai Phule Pune University, Pune, Maharashtra-India
- Tilak Maharashtra Vidyapeeth, , Maharashtra-India
- North Maharashtra University, Jalgaon, Maharashtra-India
- Veer Narmad Saurashtra University(VNSGU), Surat, Gujrat
- Shivaji University, Kholapur, Maharashtra-India
- University of Bangalore, Bangalore, Karnataka- India
- Bharati Vidyapeeth, Pune , Maharashtra-India
- Vishvesharayya Technological University, Belagavi(VTU), Karnataka- India
- Karanataka University, Dharwad, Karnataka- India

- Bharati Vidyapeeth, Pune, Maharashtra-India
- Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, , Maharashtra-India
- Central University of Hyderabad, Telangana-India
- Swami Ramanand Teerth Marathwada University, Nanded-Maraharashtra
- Gurunanak Dev University, Amritsir-Punjab

SERVED IN NATIONAL COMMITTEES

- Member of BoA (Board of Appointment)
 - Rani Channamma University, Belagavi
 - Karnataka University, Dharwad
 - Davanagere University, Davanagere
 - Guru Ghasidas Vishwavidyalaya, Bilaspur (Central University)
 - Advisor to UPSC New Delhi
 - Assessor for NAAC, Bangalore
 - Advisor to KPSC, Bangalore

Academic Bodies

- Working as a **Chairman Department of Computer Science**, Rani Channamma University, Belagavi-Karnataka from the academic year 2024-25 to till date.
- Working as a **Chairman of BOS /Doctoral Committee** in Computer Science/Application, Department of Computer Science Rani Channamma University, Belagavi-Karnataka from the academic year 2024-25 to till date.
- Working as **Academic Council Member** of Rani Channamma University, Belagavi for next two academic year (2024-25 and 2025-26)
- Working as **Academic Council Member (VC Nominee) ASP College Vijayapura (Autonomous College)** of Rani Channamma University, Belagavi for next Three academic year (2024-25,2025-26 and 2026-27)
- Working as BOS Member RLS College (Autonomous), Belagavi, GSS College(Autonomous),Belagavi and ASP College Vijayapura (Autonomous College)
- Worked as a Doctoral committee member in Computer Science Shri Krishna Vijanagara University, Belllaray-Karnataka-India for the academic year 2023-24 and 2024-25.
- Worked as **Academic Council Member** of Rani Channamma University, Belagavi for next two academic year (2020-21 and 2021-22)
- Member of BOS in Computer Science and IT MGM University, Aurangabad Maharashtra.
- Working as a **Member of BOS /Doctoral Committee /Departmental Council** in Computer Science/Application, Department of Computer Science Rani Channamma University, Belagavi-Karnataka
- Worked as a **Chairman Departmental Council** in Computer Science/Application, Department of Computer Science Rani Channamma University, Belagavi-Karnataka (2016-17 to 2019-20)
- Worked as a **Chairman of BOS /Doctoral Committee** in Computer Science/Application, Department of Computer Science Rani Channamma University, Belagavi-Karnataka (2017-18, 2018-19)
- Working as a **BOS Member in** Computer Science, Karnataka University, Dharwad, Dharwad for Next Two Academic Year (No.KU/Syndicate/BOS/PG/38/2019-20/1217 Dated 19-09-2019)
- Working as BOS Member, Mandya University, Mandya(MU/BOS-Computer Science/13/19-20 Dated 02-07-2019.
- Worked as External LIC Member for Gulbaraga University, Gulbarga 26-27th, March-2019
- Working as a **BOS Member in** Computer Science, Raja Lakmanagoud Science College (Autonomous), for UG Programme Under Rani Channamma University, Belagavi for the academic year 2016-17 to 2017-18
- Working as a **BOS Member** in computer Science, Davangere University, Davangeri (2017-18 on wards for 03 Years)
- Working as a **BOE member** in Computer Science, Gulbarga University, Kalburgi for the academic year 2016-17.

- ❑ Working as a **BOS Member** in Computer Science [UG and PG] of Government College(Autonomous) Mandya-Karnataka for the academic year 2015-16 and 2016-2017
- ❑ Worked as a **BOE member** in Computer Science, Gulbarga University, Kalburgi for the academic year 2015-16.
- ❑ Worked as a **BOS Member in** Computer Science, Lingaraj College (Autonomous), Under Rani Channamma University, Belagavi for the academic year 2014-15 to 2015-16
- ❑ Worked as a **BOE member** in Computer Science, Kuvempu University shankaragatta, Shivamogga for the academic year 2014-15.
- ❑ Worked as a **BOS Member in** Computer Science/Application, Department of Computer Science Sholapur University, Sholapur, Maharashtra from the academic year 2013-14 to 2014-15
- ❑ Worked as a **Academic Council Member** of Government College(Autonomous) Mandya-Karnataka from academic year 2009-10 to 2012-2013
- ❑ Worked as a **BOS Chairman in M.Sc.[Computer Science]** Government College(Autonomous) Mandya-Karnataka up to 03.09.2013. Now presently Member.
- ❑ Worked as a **BOS Member in “Network Security and Network Administration(CB)”** University of Mysore, Mysore for 2013-2016 (03 Yrs)
- ❑ Worked as a **BOS Member in M.Sc.[Computer Science]** JSS College(Autonomous), Ooty Road, Mysore for the two academic year 2010-11 and 2011-12
- ❑ Worked as a BOE Chairman M.Sc.[Information Technology], MCA Dept of IT, KSOU, Mysore for the academic year 2010-11 and 2011-12
- ❑ Working as a BOS Member in Computer Science[UG] Yuvaraja’s College, Mysore for the academic year 2009-10 and 2010-11
- ❑ Working as a BOE Member M.Sc. in Computer Science, JSS College(Autonomous), Ooty Road, Mysore
- ❑ Worked as a Member BOS and BOE in Computer Science/Computer Application for B.Sc./BA/BBM/BCA at Government College (Autonomous) Mandya-Karnataka from 2009 to 03.09.2013.
- ❑ Worked as a BOE Member M.Sc. in Computer Science (I to IV Sem) , Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.2006-2007, 2007-2008
- ❑ Worked as a BOE Member, Chairman in Computer Science / Applications at undergraduate level (B.A/B.Com./B.Sc.) Gulbarga University Gulbarga 2002-03, 2003-04.
- ❑ Worked as a BOE Member, in Computer Science/Applications at undergraduate level (B.C.A) Gulbarga University Gulbarga- 2004-2005.
- ❑ Worked as a BOE Chairman in Computer Science/Applications at undergraduate level (B.A/B.Com) Gulbarga University Gulbarga- 2004-2005
- ❑ Worked as a BOE Member in Computer Science/Applications at undergraduate level (B.A/B.Com) Gulbarga University Gulbarga- 2005-2006

OTHER ACADEMIC ACTIVITIES

- **Associate Editor:** Artificial Intelligence and Applications (AIA), BonViewPress, Singapore.
- ([Artificial Intelligence and Applications \(bonviewpress.com\)](http://Artificial Intelligence and Applications (bonviewpress.com)))
- **Editorial Board Member** Geospatial Artificial Intelligence (GeoAI) Insights
- ([Editorial Board of Geospatial Artificial Intelligence \(GeoAI\) Insights \(sciencetransactions.com\)](http://Editorial Board of Geospatial Artificial Intelligence (GeoAI) Insights (sciencetransactions.com)))
- **Editorial Board Member-** Scientific Reports Editors | Scientific Reports
- Working as Review Editor Frontiers in Big Data - Medicine and Public Health
- Working as **Topic Editor** Frontiers in Big Data “ Biometric Data Analysis: Applications and Future Trends in e-Security and e-Health
- Working as **Associate Editor**, International Journal on Artificial Intelligence and Applications (Associate Editors | Artificial Intelligence and Applications (bonviewpress.com))
- Working as Member Technical Committee Davanagere University, Davanagere.

- Working as Member Technical Committee Karnataka State Open University, Mysore.
- Working as Member Technical Committee Mandya University, Mandya.
- Working as a Member of Task Force Committee for the implementation of “NEP-2020”, Rani Channamma University, Belagavi.
- Member of Subject wise Expert Committee (Computer Science) to Draft a model curriculum Contents for the Implementation of NEP-2020(Govt. Order ED 260 UNE 2019 (Part-1) Bangalore Dated 13.08.2021.

List of International Journal Publications (Scopus Indexed/IEEE/Peer-Reviewed/UGC Care Listed)

1. Shivanand S. Gornale, Shivakumara Palaiahnakote, Amruta Unki and Sunil Vadera, “GDE: A New GAN-Diffusion Model for Emotion Classification using Multi-Channel Spectrogram EEG”, International Journal: Pattern Recognition(Communicated and Under Review -2025)
2. Shivanand S. Gornale, Shivakumara Palaiahnakote, Amruta Unki and Sunil Vadera, DPMMN: A Dual Performer-Multi-Modal Network for Emotion Recognition Signal Processing: Image Communication(Communicated and Under Review -2025)
3. Shivanand S. Gornale, Shivakumara Palaiahnakote, Amruta Unki and Carlos [Francisco](#) Moreno-Garcia "A Novel EEG-ECG-based Fusion Model for Multimodal Emotional Classification", International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI) (Communicated and Under Review -2025)
4. Gornale, Shivanand, Kamat, Priyanka, Hiremath, Prakash and Siddalingappa, Rashmi (2025) A Hybrid Ensemble of Denoising Autoencoders and Deep Learning Models for Fetal Image Analysis. Cureus Journal Of Computer Science. <https://doi.org/10.7759/s44389-025-09506-x>
5. Shivanand S. Gornale, Priyanka Kamat, Prakash S. Hiremath, Sathish Kumar, Khang Wen Goh, Automated Segmentation and Trimester-Based Classification of Fetal Head Circumference in Ultrasound Images Using Deep Learning Techniques. International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI) (Accepted for Publication -2025)
6. Shivanand Gornale, S., Palaiahnakote, S., Unki, A., & Vadera, S. (2024). Spatial-Frequency Based EEG Features for Classification of Human Emotions. International Journal of Pattern Recognition and Artificial Intelligence, <https://doi.org/10.1142/S0218001424570143>World Scientific Publishing Company.
7. Shivanand S. Gornale, Prakash. P, Rashmi Siddalingappa, Satish Kumar (2024) A Knowledge Based Grade Prediction System using Machine Learning for Higher Education Institutions International Journal on Nanotechnology Perceptions <https://doi.org/10.62441/nano-ntp.vi.3001>
8. Shivanand Gornale, Abhijit Patil, Khang Wen Goh, Sathish Kumar, Kruthi R. , "Fingerprint Image Fusion: A Cutting-edge Perspective on Gender Classification via Rotational Invariant Features", International Journal of Image, Graphics and Signal Processing(IJIGSP), Vol.16, No.4, pp. 42-55, 2024. DOI:10.5815/ijigsp.2024.04.04.
9. Shivanand Gornale, P Kamat, R Siddalingappa, S Kumar, Deep Learning Techniques for a Comprehensive Analysis of Fetal Biometric Parameters Across Trimesters. Transactions on Engineering and Computing Sciences - Vol. 12, No. 3 PP: 18-45. 2024 DOI:10.14738/tecs.123.16985.
10. Patil Gayatri, Palaiahnakote Shivakumara, Shivanand Gornale, Lopresti Daniel, P.Alterd Handwritten Text Detection in Document Images Using Deep Learning. International Journal of Pattern Recognition and Artificial Intelligence-2024, <https://doi.org/10.1142/s0218001424520062>
11. Shivanand Gornale, Patil SS, Deo A. – “A Systematic Review of Human Biofield Image analysis using Image Processing Techniques”. Journal of the Oriental Institute. 2023 Jun;72(1).

12. P Prakash, Shivanand Gornale, MS ShyamaSundar, R Siddalingappa, The Role of the National Assessment and Accreditation Council in Ensuring Quality Education in the Indian Education System: An Analysis of Its Accreditation Standards and Grading Practices. *British Journal of Multidisciplinary and Advanced Studies*, 2023 4(6), 1-18.
<https://doi.org/10.37745/bjmas.2022.0341>.
13. G Patil, P Shivakumara, Shivanand Gornale, U Pal, M Blumenstein, A new robust approach for altered handwritten text detection. *Multimedia Tools Applications* (2022).
<https://doi.org/10.1007/s11042-022-14242-8>, Springer link (A new robust approach for altered handwritten text detection | SpringerLink)
14. Shivanand Gornale, G Patil, R Benne, "Document Image Forgery Detection Using RGB Color Channel", *Transactions on Machine Learning and Artificial Intelligence - Vol. 10, No. 5* Publication Date: October, 25, 2022, DOI:10.14738/tmlai.105.13126.
15. Shivanand Gornale, S Kumar, R Siddalingappa, A Mane, "Gender Classification Based on Online Signature Features using Machine Learning Techniques", *International Journal of Intelligent Systems and Applications in Engineering*, Vol. 10 Issue 2, PP: 260-268, SSN:2147-679921, IJISAE, 2022,
16. Shivanand Gornale, S Kumar, R Siddalingappa, PS Hiremath, "Survey on Handwritten Signature Biometric Data Analysis for Assessment of Neurological Disorder using Machine Learning Techniques", *Transactions on Machine Learning and Artificial Intelligence - Vol. 10, No. 2* Publication Date: 25th, April-2022, <http://dx.doi.org/10.14738/tmlai.102.12210>, Services for Science and Education – United Kingdom
17. Shivanand Gornale, Sathish Kumar -"Offline Handwritten Signature Database based on Gender Annotation", 2022 Medeley Data , DOI: 10.17632/22wgmdppxz.1
<https://data.mendeley.com/datasets/22wgmdppxz/1>
18. Shivanand Gornale, S Kumar, PS Hiremath, "Handwritten Signature Biometric Data Analysis for Personality Prediction System Using Machine Learning Techniques", *Transactions on Machine Learning and Artificial Intelligence - Vol. 9, No. 5* Publication Date: October, 25, 2021 DOI:10.14738/tmlai.95.10808, Services for Science and Education – United Kingdom
19. Shivanand Gornale, S Kumar, A Patil, PS Hiremath, "Behavioral Biometric Data Analysis for Gender Classification using Feature Fusion and Machine Learning", - *Frontiers in Robotics and AI*, 2021 – Frontiers: DO: 10.3389/frobt.2021.685966
20. Shivanand Gornale, PU Patravali, PS Hiremath, "Identification of region of interest for assessment of knee osteoarthritis in radiographic images", *International Journal of Medical Engineering and Informatics*, Volume, 13 Issue, 1, Pages, 64-74, Inderscience Publishers (IEL)-2021, <https://doi.org/10.1504/IJMEI.2021.111866>.
21. Shivanand Gornale, PU Patravali, PS Hiremath, A Comprehensive Digital Knee X-ray Image Dataset for the Assessment of Osteoarthritis JSM Biomedical Imaging Data Pap 6(1): 1012 (2020) A Comprehensive Digital Knee X-ray Image Dataset for the Assessment of Osteoarthritis (jscimedcentral.com)
22. Shivanand Gornale, PU Patravali, PS Hiremath, "Automatic Detection and Classification of Knee Osteoarthritis Using Hu's Invariant Moments", *Front. Robot. AI* 7: 591827. doi: 10.3389/frobt.2020.
23. Shivanand Gornale, Pooja Patravali - "Digital Knee X-ray Images",- 2020 Mendeley Data, V1, doi: 10.17632/t9ndx37v5h.1 <http://dx.doi.org/10.17632/t9ndx37v5h.1>
24. Shivanand Gornale, A Patil, K Ramchandra, "Multimodal Biometrics Data Analysis for Gender Estimation Using Deep Learning", *International Journal of Data Science and Analysis. Special Issue: Multimodal Biometric Data Analysis.*, Volume, 6, Issue, 2, Pages 64-68, 2020/5/20, <http://www.sciencepublishinggroup.com/j/ijdsa> doi: 10.11648/j.ijdsa.20200602.11 ISSN: 2575-1883 (Print); ISSN: 2575-1891 (Online)

25. Shivanand Gornale, PU Patravali, PS Hiremath, "A Comprehensive Digital Knee X-ray Image Dataset for the Assessment of Osteoarthritis", JSM Biomed Imaging Data Pap 6(1): 1012., October-2020, ISSN: 2476-2040.
26. Shivanand Gornale, PU Patravali, PS Hiremath, "Early Detection of Osteoarthritis based on Cartilage Thickness in Knee X-ray Images", International Journal of Image, Graphics and Signal Processing(IJIGSP) ISSN: 2074-9074 (Print), ISSN: 2074-9082 (Online)PP.56-63, IJIGSP Vol. 11, No. 9, Sep. 2019 DOI: 10.5815/ijigsp.2019.09.06.
27. Shivanand Gornale, A Patil, R Kruthi - "Multimodal Biometrics Data based Gender Classification Using Machine Vision", International Journal of Innovative Technology and Exploring Engineering(IJITEE), ISSN: 2278-3075, Volume-8 Issue-11, September 2019, Retrieval Number J96730881019/2019©BEIESP DOI 10.35940/ijitee.J9673.0981119,https://www.ijitee.org/wpcontent/uploads/papers/v8i11/J96730881 019.pdf.
28. Shivanand Gornale, PU Patravali, PS Hiremath "Detection of Osteoarthritis in Knee Radiographic Images sing Artificial Neural Network", International Journal of Innovative Technology and Exploring Engineering(IJITEE), ISSN: 2278-3075, Volume-8 Issue-12, October-2019, Retrieval Number L30111081219/2019©BEIESP DOI: 10.35940/ijitee.L3011.1081219.
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SUBJECT TAUGHT IN UG/PG

- ❖ Information Technology & Programming Methodology (ITPM).
- ❖ System Analysis and Design (SAD),
- ❖ Analysis of Design and algorithms(ADA),
- ❖ Software Project Management and Information Technology (SPM&IT),
- ❖ Programming in C and Data Structure,
- ❖ Operating Systems (OS),
- ❖ Microprocessor and its Architecture,
- ❖ Web Programming,
- ❖ Software Engineering,
- ❖ Database Management Systems
- ❖ Digital Image Processing, etc.

ROLE AND RESPONSIBILITIES:

- As Deputy Registrar (Evaluation), Rani Channamma University, Belagavi, key role to implement the Online Examination Activity-OASIS under which, Admission Process, Examination Application form/Admission Card, Question paper indent generation, Student appearing list, bundle dispatch statement college wise QP indent, Internal Assessment and practical marks entry, Theory Absent entry, Result statement and ledger to the colleges, Revaluation and re-totaling applications are to be incorporated. And also key role to have teachers database of RCU, Belagavi.
- Actively engaged in the various committees in the University Campus like:
 - Member of Local Inquiry Committee(LIC),
 - Member of Cultural activities etc.
 - Member of IQAC and NAAC committee
 - Member of Admission Committee
 - Member of Staff Approval (Affiliated to RCU, Belagavi)
 - Member of Advisory Board for “Computerization of Examination System” of RCU Examination Branch
 - Chairman, Technical Committee, Rani Channamma University, Belagavi.
 - Member of the Cultural Activities
 - Member of Planning and Evaluation Committee.
- Controller of Examinations (COE) of Autonomous College from 01-04-2009 to 03.09.2013 in Government College, (Autonomous), Mandya.
- HOD of Computer Science Government College Mandya, VIIT Baramati, CB College Bhalki.
- Convener for Campus Network and Computerization of Examination System, Government College Mandya (worth of Rs7 lakhs).
- Developed the department with high tech Infrastructure established in the C.B. College, Bhalki, VIIT Baramati-Maharashtra and Government College [Autonomous], Mandya.
- Initiation to start the B.C.A and M.Sc. [Computer Science] Courses in the Government College [Autonomous], Mandya.
- Key role in getting UGC Fund to Start Career Oriented Programme (COP) in Computer Networking under Science stream in Government College [Autonomous], Mandya (worthRs10 Lakhs.)
- Initiative taken to start certificate courses in computer science for both students and teachers.
- Key role to implement the CBCS pattern for PG courses in the College.
- Actively engaged in the various committees in the College like Research and Development Committee, Planning and Evaluation Committee, Admission Committee etc.

PLANS FOR THE NEXT FIVE YEARS:

- Adopting and offering good advancement potential in academics, research and development among the students.
- Preparing the course notes/study material and which is made available through intra web support, which implies enhancing connectivity, intra web server and browsing facilities in the campus.
- Creating awareness among the students for research bent of mind to establish a strong research culture in the department.
- Initiation to start Integrated, Certificate and Diploma courses in the department.
- Putting effort for overall development of the students like their personality development, Communication Skill etc.
- Planning to visit Infosys and Wipro campuses to provide industrial touch to the students.
- Conducting Seminar conferences and special lectures in the department.
- Engaging some special classes for preparation of Competitive exams like NET and SET.
- Giving training to the Teaching and Nonteaching faculty members and also Non Computer students to strengthen the Knowledge in the Computer Science and Information Technology.
- Initiating ICT awareness programmes to rural masses.
- IT Awareness programmes for school children of rural background.

➤ Office automation-towards the paperless work

- Online student grievance system
- Student exam results/academic status through mobile SMS
- Online question paper transmission / delivery
- Online Convocation registration.

REFERENCES

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I hereby declare that the information provided is true to the best of my knowledge and belief.

Place: **Belagavi**

Date:

Signature
(Dr. Shivanand S. Gornale)