

**Ravindra S. Hegadi** PhD  
**Professor, Senior Member – IEEE**  
<https://rshegadi.wixsite.com/home>



Central University of Karnataka,  
Kadaganchi, Kalaburagi – 585367, INDIA  
Cell No.: (+91) 944080 23871, 96040 85138  
Email: rshegadi@gmail.com, [rshegadi@cuk.ac.in](mailto:rshegadi@cuk.ac.in)

#### AWARDS

- Received **Prof. Satish Dhawan Young Engineer award for 2020** by the Karnataka State Council for Science and Technology, Government of Karnataka, on 23rd March 2023.
- Received **Anveshan Acharya Award for 2023-24** from Bharat Education Excellence Awards, Brain O Vision on 21st April 2024.

#### AREA OF RESEARCH

Artificial Intelligence, Digital image processing, Computer vision, Medical image analysis, Document image analysis, Biometrics, Robotics, Data Science, and Machine Learning.

#### CAREER HIGHLIGHTS

**Central University of Karnataka, Kadaganchi, Kalaburagi** **(Feb 2020 – till date)**

- Dean, Academics (From 8th September 2025 to date)
- Dean, School of Media Studies (From 22nd July 2024 to date)
- Dean, School of Computer Sciences (From 8th July 2020 to 7th July 2023)
- Head, Department of Computer Science (From 1st June 2020 to 31st May 2023)
- Professor, Department of Computer Science (From 1st February 2020)
- Nodal Officer – Project Samarth (CUK), Ministry of Education, Government of India (From 6th March 2020 to 5th March 2023)
- Nodal Officer - Visvesvaraya PhD Scheme, Ministry of Electronics and IT, Government of India (14th July 2022 till date)
- Dean Students' Welfare (DSW), CUK (From 21st May 2021 to 20th May 2024)
- PI for two research Projects
- Teaching for the MCA courses and Guiding PhD scholars

**PAH Solapur University, Solapur** **(Feb 2012 – Jan 2020)**

- Professor and Head, Department of Computer Science (From 1st February 2015 to 30th January 2020)
- Director, IQAC/NAAC (From 12th September 2018 to 30th January 2020)
- Nodal Officer and Project Guide – Visvesvaraya PhD Scheme, Ministry of Electronics and IT, Government of India (From 2015 to 30th January 2020)
- Director, Innovation, Incubation and Linkages (16th October 2018 – 2019)
- Coordinator, University-level AVISHKAR Research Competition (14th December 2015- 13th December 18)
- Coordinator, University Instrumentation Centre (27th March 2018 – 2019)
- Director, School of Computational Sciences (10th July 2015 – 9th July 2018)
- Associate Professor and Head, Department of Computer Applications (1st August 2012 – 31st July 2015)
- Teaching for the courses MCA, M.Sc. (Computer Science) and Guiding PhD scholars

**Karnatak University, Dharwad****(Jul 2008 – Jan 2012)**

- Assistant Professor and Principal Investigator for UGC Major research project
- Taught courses MCA, M.Sc. (Computer Science)
- Organized workshops and events.

**Government First Grade College, Vijayanagar, Bangalore****(Jan 2008 – Jul 2008)**

- Worked as Head of the Department of Computer Science.
- Guided BCA and BSc (Computer Science) students with Projects.

**Government Boys College, Raichur****(Feb 1997 – Jan 2008)**

- Worked as a Lecturer in the Department of Computer Science.
- Taught the Undergraduate courses and guided the UG projects

**RESEARCH**

My other research interests are Character Recognition, Document Image Analysis, Neural Information processing, Deep learning, CNN, Fuzzy theory, Deformable models, Image processing, Pattern recognition, and Data and Image Mining.

**Research Guidance:****Ph. D.: Guided: 16, Guiding: 05****M.Phil.: Guided: 16****Links:**Scopus ID: [16177125800](https://www.scopus.com/authid/detail.uri?authorId=16177125800)ORCID: <https://orcid.org/0000-0002-5176-6490>Web of Science: [M-3857-2017](https://scholar.google.com/citations?user=M3857-2017&hl=en)Google Scholar: [Google Scholar Link](https://scholar.google.com/citations?user=0000-0002-5176-6490&hl=en)Researchgate: [Research Gate](https://www.researchgate.net/profile/Ravindra-Hegadi)Vidwan ID: [172101](https://www.vidwan.org/Profile/172101)LinkedIn Profile: <https://in.linkedin.com/in/ravindra-hegadi-170b4717>**COURSES TAUGHT**

Digital Image Processing, Soft Computing (Neural Network and Fuzzy Logic), Computer Graphics, Pattern Recognition, Computer Communication and Networks, Database Management System, Data Warehouse and Mining, Java programming, and System Simulation.

**PUBLICATIONS**

- International Journals: **81**
- Other Journals: **01**
- International Conference Proceedings: **60**
- National Conference Proceedings: **07**
- Edited Books: **09**
- Book chapters: **46**
- Invited talks/Keynote Speech: **68**
- Patents: **02 (Published)**
- Articles indexed: **109 (Scopus)**
- h – index: **26 (Google Scholar), 15 (Scopus)**
- i10 – index: **72 (Google Scholar), 21 (Scopus)**
- Citations: **2389 (Google Scholar), 901 (Scopus)**

## ACADEMIC CREDENTIALS

- Carried out Ph.D. in Computer Science under the guidance of Dr. B. V. Dhanda, Professor, P.G Dept. of Computer Science, Gulbarga University in 2007. The thesis title is: "A Study on Pattern Classification and Analysis of Medical Images."
- Completed M.Phil. in 2003, from the Gulbarga University and securing 85% of marks.
- Completed M.C.A. in 1995 from Gulbarga University, securing 80% of marks.
- Graduated B. Sc. from Gulbarga University, Gulbarga, in 1991, and secured first class.
- Secured first class in X and XII classes.
- NCC "C" Certificate holder.

## RESEARCH PROJECTS AND GRANTS

- **Research grants and fellowships:**
  - **2025-2030 (Nodal Officer):** Department of Electronics and IT (DeitY) Visvesvaraya Ph.D. Scheme for Electronics and IT (Phase II) with fellowship for 3 Ph.D. research scholars, grants for Rs. 1.17 Crores.
  - **2023-2028 (Nodal Officer):** Department of Electronics and IT (DeitY) Visvesvaraya Ph.D. Scheme for Electronics and IT (Phase II) with fellowship for 3 Ph.D. research scholars, grants for Rs. 1.03 Crore.
  - **2022-2027 (Nodal Officer):** Department of Electronics and IT (DeitY) Visvesvaraya Ph.D. Scheme for Electronics and IT (Phase II) with fellowship for 3 Ph.D. research scholars, grants for Rs. 1.03 Crore.
  - **2022-2025 (PI):** Department of Science and Technology (DST) Biomedical Device and Technology Development (BDTD) division funded MRP titled: Design and development of a cost-effective haptic device for medical education, training, and rehearsal for Rs. 65,74,555/-
  - **2022-2025 (PI):** HEFA-CSR Research Grants funded MRP titled: Cost- Effective and Fully Automated Intelligent Pesticide Spraying UAVs in the Agriculture Field using Quadcopter and Deep Learning for Rs. 31 Lacs.
  - **2015-2020 (Nodal Officer and Project Guide):** Department of Electronics and IT (DeitY) Visvesvaraya Ph.D. Scheme for Electronics and IT with fellowship for 2 Ph.D. research scholars, grants for Rs. 50.06 Lacs.
  - **2014-2019 (Nodal Officer and Project Guide):** Department of Electronics and IT (DeitY) Visvesvaraya Ph.D. Scheme for Electronics and IT with fellowship for 2 Ph.D. research scholars, grants for Rs. 50.06 Lacs.
  - **2009-2012 (PI):** UGC Major Research Project: A Study on Analysis of Diseases in Medical Images, File No: 34-104\2008 (SR) for Rs. 9.71 Lakhs.
- **Travel grants:**
  - **2023 - DST** (to present papers in RTIP2R-2023, Derby, UK)
  - **2012 – DST** (to present paper in ICIP – 2012, Florida, USA)
  - **2010 – UGC** (to present paper in ICONIP – 2010, Sydney, Australia)
  - **2006 – DST** (to present paper in ICPR – 2006, Hong Kong)
- **Grants for Incubation Center:**
  - **2018 – 2023 (Director - Innovation, Incubation, and Linkage):** MSInS (Maharashtra State Innovation Society) **Rs. 5 Crores**
- **Grants for organizing events:**

- **2018 – CSIR** (to organize International Conference on Recent Trends on Image Processing and Pattern Recognition) Rs. 50,000/-
- **2014 – DeitY** (to organize National Conference on Recent Advances in Information Technology), Rs. 90,000/-
- **2009 – AICTE, UGC** (to organize National level Workshop on Image Processing, Vision and Pattern Recognition), Rs. 75,000/-

### **EVENTS ORGANIZED**

- International Seminar on Machine Learning and IoT Security (MLIS-2023) on 19 July 2023 at Central University of Karnataka.
- International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2018), on December 21-22, 2018 at Solapur University, Solapur.
- Two days National Workshop on Recent Trends in Data Warehousing and Data Mining on March 19 – 20, 2016, at Solapur University, Solapur.
- One-day National level student competition for Programming and Paper presentation on January 20, 2015, at Solapur University, Solapur.
- Two days' National Conference on Recent Advances in Information Technology (NCRAIT-2014) on February 15-16, 2014, at Solapur University, Solapur.
- One-day National level student competition for Programming and Paper presentation on January 03, 2014, at Solapur University, Solapur.
- Two days' National level workshop on Matlab and Image Processing on December 23-24, 2013, at Solapur University, Solapur.
- Two days National level Workshop on Image Processing, Vision, and Pattern Recognition on March 29-30, 2010, at Karnatak University, Dharwad, funded by UGC and AICTE.
- Two days workshop on Data Warehousing and Business Intelligence on October 10-11, 2009, at Karnatak University, Dharwad.

### **MEMBERSHIP**

- IEEE Senior Member
- Associate Editorial Board Member – Current Medical Imaging (CMIM)
- Member – Indian Unit for Pattern Recognition and Artificial Intelligence (IUPRAI).
- Member – International Association of Engineers (IAENG).
- Member – International Association of Computer Science and Information Technology (IACSIT).

### **BoS, BoE and OTHER COMMITTEE**

- Expert - Selection Committee, Shivaji University, Kolhapur.
- Advisory board member (ICT Expert) - Punyashlok Ahilyadevi Holkar Solapur University, Solapur from 2023
- Expert - Selection Committee, Central University of Rajasthan (2023)
- Expert - Selection Committee, Davangere University, Davangere
- Member - Building Committee, Central University of Karnataka from – 2022 onwards
- Member and Coordinator – NAAC Peer team – 2022 onwards
- Member – Executive Council, Central University of Karnataka – 2022 to 2023
- Chairperson – BoS for PM Gatishakti – 2022 onwards
- Chairperson – BoS in Computer Science, Central University of Karnataka – 2020 to 2023
- Member – Academic Council, Central University of Karnataka – 2020 onwards
- Member – Court of Central University of Karnataka – 2020 onwards
- Chairman – BoS in Computer Science, Solapur University, Solapur – 2014 to 2020

- Member – Academic Council, Solapur University, Solapur – 2014 – 2016, 2018 – 2020
- Member – Senate, Solapur University, Solapur – 2018 – 2019
- Member – BoS in Computer Science, Karnataka University, Dharwad – 2008 to 2010
- Member – BoS in Computer Science, Gulbarga University, Kalaburagi – 2017 to 2020
- Member – BoS – Computer Application in Business, BLDE’s A S Patil College of Commerce, Bijapur – 2011 to 2013
- Member – BoS in Computer Science, Government Autonomous College, Mandya – 2009 to 2011
- Member – Adhoc BoS – Graphics and animation, Karnataka University, Dharwad – 2011 to 2013
- Member – BoS in Computer Science (PG), P C Jabin College, Hubli – 2011 to 2013
- Member – BoS in Computer Science, Davangere University, Davangere – 2014 to 2017
- Member - BoS in Artificial Intelligence and Machine Learning (AI&ML), Basaveshwar Engineering College, Bagalkot from 2021
- Member - BoS in Computer Science (UG), KLE Society’s BCA College, Hubballi from 2020
- Member – Board of Examinations of
  - Gulbarga University, Kalaburagi
  - Karnataka University, Dharwad
  - Karnataka State Womens’ University, Vijayapura
  - Mysore University, Mysore
  - Goa University, Goa
  - Vijayanagar Shrikrishnadevaraya University, Bellary
  - Kuvempu University, Shimoga
  - P C Jabin College, Hubli
  - Bangalore University, Bangalore

### **COLLABORATIONS AND COLLABORATIVE RESEARCH**

- University of Malta, Malta, Student and Faculty Exchange Programme
- DevLearn Mumbai for Short-term Online courses
- Trailect Incorporation, USA, Trailect Global Medical Education Program – Mentoring Program, from 01-04-2018 to 31-03-2019
- Leotechsa Robotics Pvt. Ltd., Pune, India, Research & development of commercial imaging products from 2018 to 2023
- BMS Inst. of Technology & Mgt., Bangalore, India, Development of academic tools and applications from 2018 to 2023
- Carried out Collaborative research work with Prof. Tom Gedeon, Head, IHCC Research Group, School of Computer Science, College of Engineering and Computer Science, Australian National University, Canberra, Australia, from 5– 19 November 2010.

### **CONSULTANCY**

- M/s. Develearn Technologies Pvt. Ltd., Mumbai – 2020 onwards

### **ACHIEVEMENTS**

- Authored book titled:
  - *KC Santosh, Ravindra Hegadi, Umapada Pal (Eds.): Recent Trends in Image Processing and Pattern Recognition (Edited book) published by Communication in Computer and Information Science 1576, Springer Nature, Springer Pvt. Ltd, Germany, ISBN No: 978-3-031-07004-4, Jan 2022*

- *KC Santosh, Ravindra Hegadi (Eds.): Recent Trends in Image Processing and Pattern Recognition Part – 1, 2 and 3, (Edited book) published by Communication in Computer and Information Science 1035, 1036 and 1037, Springer Nature, Springer Pvt. Ltd., Germany, ISBN No: 978-981-13-9180-4, July 2019*
- *Ravindra S. Hegadi, B. V. Dhandra: Medical Image Analysis published by Lambert Academic Publishing, Germany, ISBN No: 978-3-8433-5835-4.*
- *Mallikarjun Hangarge, B. V. Dhandra Ravindra Hegadi: Multilingual Document Image Analysis published by Lambert Academic Publishing, Germany, ISBN No: 978-3-8433-9094-0.*
- Paper titled “Endoscopic image classification based on active contours without edges” has been awarded as The Best Paper of the 1st International Conference on Digital Information Management (ICDIM-2006), December 06-08, 2006, Bangalore, India.
- Attended the Mid-term and annual meeting of the Indian Academy of Science at their invitation.
- Availed SRF (Summer Research Fellowship) for 2011 from the Indian Academy of Science and conducted research with Dr. Chandra Sekhar Sheelamantula, Department of Electrical Engineering, IISc, Bangalore, for 8 weeks.
- My biographical profile has been included and published in Marquis Who’s Who in the World 2015 edition.
- Implemented Google Apps for Education for Solapur University, Solapur.
- Drafted the IT Policies and Guidelines for Solapur University.

#### **OTHER MEMBERSHIP**

- Chairperson - Steering Committee for NAAC visit at CUK in 2024.
- University Coordinator – Avishkar Inter-University Research Competition from 2015-2018.
- Member – University Purchase Committee, Solapur University, Solapur from 2014 – 2020
- Member – ICT Committee, Solapur University from 2014.
- Member – Technical Committee, Solapur University, Solapur, from 2015.
- Member – Purchase Committee, Central University of Karnataka, Kalaburagi
- Subject Expert – Board of Appointment, Central University of Karnataka, Kalaburagi
- Subject Expert – Board of Appointment, Davangere University
- Member – Maharashtra SET Paper setting Committee in Computer Science and Applications
- Member of the Karnataka University centralized Admission Committee for the academic year 2009-10, 2010-11.
- Chief Coordinator - Kartnatak University PGDCA Central Valuation, June/July 2010.

#### **VISITS ABROAD**

- Hong Kong (2006) - Presented the research papers at the International Conference on Pattern Recognition (ICPR-2006), funded by DST and the International Association for Pattern Recognition (IAPR).
- Sydney, Australia (2010) - Presented the research paper at the International Conference on Neural Information Processing (ICONIP-2010), funded by UGC.

- Florida, USA (2012) – Presented research paper at the International Conference on Image Processing (ICIP-2012), funded by DST and IEEE Signal Processing Society (SPS).
- Dhaka, Bangladesh (2015) – Organized Special Session at IEEE International WIE Conference on Electronics and Computer Engineering at Bangladesh Institute of Engineering and Technology, Dhaka.
- Malta Europe (2019) – MoU with the University of Malta for Student and faculty exchange program and collaborative research work with Dr. Lalit Garg, Faculty, Department of ICT, University of Malta.
- Derby, UK (2023) - Participated as Program Chair and Session Chair in the 6th International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R 2023) at the University of Derby from 7-8, December 2023, funded by DST Travel Grants.

#### **Self-Declaration**

The information contained above is true to my knowledge and belief.

Date: 15<sup>th</sup> August, 2025

Place: Kalaburagi, India

**Dr. R. S. Hegadi**