

# Dr. BRIJMOHAN S. DAGA

Currently working at Fr. Conceiao Rodrigues College of Engineering, Mumbai as Associate Professor. I have more than 30 years of experience in Engineering Education, Corporate, and Research. My research interest includes Finance Management, Data Mining, Artificial Intelligence & Digital Image Processing.

My pedagogical approach in teaching integrates real-world financial scenarios with technical concepts, providing students with a comprehensive understanding of both the theoretical and practical dimensions of their discipline. This holistic education equips the students with a unique advantage in the ever-evolving landscape of computer engineering and finance.

**RESEARCH IDs** - Web of Science- HDO-8319-2022, Orcid - 0000-0002-5905-3161, SCOPUS-36918164900, Vidvan Id-324305, Google- KdLkL6sAAAAJ

## EXPERIENCE

- **Fr. Conceiao Rodrigues College of Engineering, Mumbai**
  - *Associate Professor, Computer Engineering Department* (2003 – To date)
- **Birla Technologies, Mumbai**
  - *Project Manager* (2000-2003)
- **Akansha Infotech, Mumbai**
  - *Project Leader* (1999-2000)
- **Ramrao Adik Institute of Technology, Mumbai**
  - *Sr. Lecturer* (1998–1999)
- **College of Engineering & Technology, Jalgaon**
  - *Lecturer* (1990–1997)

## EDUCATION

- **Sant Gadage Baba Amravati University** (2012-2018)
  - *Ph.D. (Computer Science & Engineering)*
  - Topic: Content-Based Video Retrieval Systems using Semantic Approach
- **National Institute Of Technology (REC), Allahabad** (1996-1998)
  - *M.E.-Computer Science & Engineering, First Class*
  - Project: Transaction Management in Temporal Databases
- **Govt. Engineering College, Amravati** (1986-90)
  - *B.E. (Computer Engineering), First Class*
  - Project: Asset Management and Tracking System

## FUNDING

Rs. 40 Lakhs approx for Innovation and Entrepreneurship Development Centre at college by Department of Science & Technology, Government of India

## PUBLICATONS

1. Brijmohan Daga, Aman Gadadare, Quincy Gonsalves, Reeve D’Britto, Seniya Tuscano (2023).
  - "Future of AR & VR in the Indian Education System."
  - International Journal of Computer Trends and Technology, vol. 71, no. 5, pp. 15-25.
  - [Link](#)
2. Trevelyn Noronha, Sandesh Raut, Vedant Patankar, Dr. Brijmohan Daga (2023).
  - "Navigating Horizons - A Technical Exploration of Autonomous Drone Guidance."
  - IJFMR Volume 5, Issue 5, September-October 2023.
  - [Link](#)
3. Dr. Neelam Sharma, Dr. Nitish Pathak, Dr. Binu Thomas, Dr. Jacob Bose, Dr. B. S. Daga, Dr. Bhavya Alankar, Dr. Mahaveerakannan R. (2023).
  - **PATENT** number (392866-001), CBR Number(210256) Under Process.
  - Title of patent: "AI BASED MICRO GPS TRACKING CHIP."
4. Brijmohan Daga, Harsh Kadam, Sarthak Shrungare, Scott Fernandes, Ashwin Johsnon (2023).
  - "Music Recommendation System."
  - International Journal of Computer Trends and Technology, vol. 71, no. 5, pp. 26-36.
  - [Link](#)
5. Brijmohan Daga, Nitish Pathak, Srushti Suraj Shah, Austin Bernard Fernandes, Jayden Jude Dsouza, and Gayatri Pramod Varma (2024).
  - **BOOK** "Advanced Digital Technologies in Financial and Business Management: Unleashing the Power of Artificial Intelligence, Machine Learning, Blockchain, and the Internet of Things."
  - Chapter name: "Human-Machine Collaboration in Business Processes." The Taylor & Francis publications indexed in SCOPUS and Web of Science (WoS)
  - [Link](#)
6. B.S. Daga, Jason Dsouza, Ryan Furtado, Manupendra Tiwari (2019).
  - "Authorship Identification: Naïve Bayes with XGBoost Approach."
  - International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 8, Issue 3, pp. 001-007.
  - [Link](#)
7. B.S. Daga, Glaston Dsouza, Aadesh Bassi, Lionel Lobo (2019).
  - "Speech Emotion Recognition using Convolutional Neural Networks."
  - International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 8, Issue 3, pp. 008-013.
  - [Link](#)
8. B. S. Daga, A. A. Ghatol, V. M. Thakare (2017).
  - "Semantic Enriched Lecture Video Retrieval System Using Feature Mixture and Hybrid Classification."
  - Advances in Image and Video Processing [Scopus-Online].
  - [Link](#)
9. B. S. Daga (2017).
  - "Silhouette based human fall detection using multimodal classifiers for content based video retrieval systems."

- International Conference on Intelligent Computing, Instrumentation and Control Technologies, IEEE.
- [Link](#)
- 10. B. S. Daga, A. A. Ghatol (2017).
  - "Facial semantic recognition method for content based video retrieval systems."
  - International Journal of Emerging Trends and Technology in Computer Science [UGC-approved-Online].
  - [Link](#)
- 11. B. S. Daga, A. A. Ghatol, A. B. Daga (2017).
  - "Video events extraction based on mixed feature modeling."
  - International Journal of Computer Applications [Online].
  - [Link](#)
- 12. B. S. Daga, A. A. Ghatol (2016).
  - "Multicue optimized object detection for automatic video event extraction."
  - Indian Journal of Science and Technology [Scopus-Online].
  - [Link](#)
- 13. B. S. Daga, A. A. Ghatol (2016).
  - "Detection of text in natural scene image and its applications."
  - Indian Journal of Science and Technology [Scopus-Online].
  - [Link](#)
- 14. B. S. Daga, A. A. Ghatol, A. B. Daga (2015).
  - "Event-based video retrieval system using pattern modeling."
  - International Journal of Computer Applications [Online].
  - [Link](#)
- 15. B. S. Daga, A. A. Ghatol (2015).
  - "Automatic event detection using multimodal features for sports video."
  - Indian Journal of Science and Technology [Scopus-Online].
  - [Link](#)
- 16. B. S. Daga, A. A. Ghatol (2015).
  - "Video event detection using semantic concept modeling."
  - International Journal of Computer Applications [Online].
  - [Link](#)

## **IMPORTANT RESPONSABILITIES & INTERACTION WITH OUTSIDE WORLD**

- Head of Department (2019-22) , College Development Committee Member , Ethics/ Institutional Values and Best Practices Committee Coordinator, Management Representative - Association of the Managements of Un-Aided Engineering Colleges, Member of Internal Quality Assurance Cell (2017)
- Committee Member International Conference on Advances in Communication and Control, ICAC3
- Coordinator - Systems and Network Attack Laboratory2015 / Infosys Campus Connect(2003-05)/ National HRD Network(2016)
- Academic Auditor at VCE , Thane
- Invitee Participator - Rural Project Exhibition at Rashtrapati Bhavan, NewDelhi
- Mentor of winner team-Complex Problem Solving category at Smart India Hackathon, Chennai

- Panel of Judge – Institute of Engineering and Technology, International Professional body for Engineers(IETPATW) at K.J.SIEIT, Mumbai
- Examiner – Mumbai , NMIMS University / Moderation , Chairman of Vigilance Squad of Mumbai University Engineering Examinations, 2016

## DEVELOPMENT OF COURSE

Details	Academic Year	Role
T.E Computer SEM V- Software Engineering	2021-22	Syllabus Revision Chairman
B.E(Computer)-ERP	2017-18	Member
M.E.(CAD/CAM)Production Engg, Computer Simulation & Modeling	2015-16	Syllabus Revision Committee Member
M.E (Computer Engg) Ubiquitous Computing Elective I, Sem I, Information Assurance and Security Sem II, Cyber Security Sem II (LabII)	2012-13	Syllabus Revision committee Member
SE Computer Sem III–DSA and File	2008-09	Syllabus revision Committee Member
BE Computer and IT–OS,SS,SP, Distributed Computing etc.	2006-07	Member

## MEMBERSHIP OF SOCIETIES

- Life Member of The Indian Society for Technical Education (LM23781)
- Member of International Interest Group (Information System Engineering)

## OTHER INFORMATIONS

- Associate Professor Approval of Mumbai University for Computer Engineering from 02-02-2009
- PG Teacher for Mumbai University (Approved)
- Certification of SCILAB (IIT-B)
- National Scholarship Receiver

## AREAS OF SPECILIZATION

- Artificial Intelligence
- Software Engineering
- Finance Management

- Digital Image Processing
  - Data Warehouse and Mining
  - System Security
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