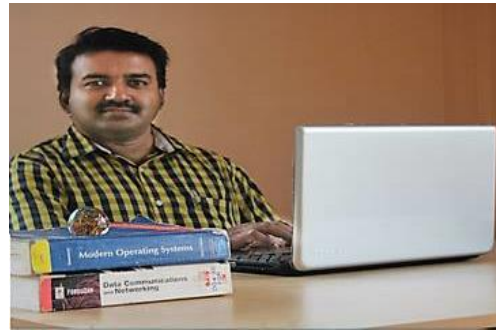


BEJOY ABRAHAM
ASSOCIATE PROFESSOR
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EDUCATION

- M.Tech. Software Engineering from Department of Computer Science, Cochin University of Science and Technology. Passed out in June 2003 with Distinction.
- BE Computer Science and Engineering from Manonmaniam Sundaranar University. Passed out in April 2000 with first class.

EXPERIENCE

Total 15+ years of teaching.

- Associate Professor in CSE, College of Engineering Perumon under the Cooperative Academy of Professional Education (CAPE) from 08.01.2012 –till date.
- Head of Department, Computer Science and Engineering (CSE), College of Engineering Perumon from 08.01.2009 to 11.08.2015 and from 14.08.2018 - till date
- Head of Department, Information Technology (IT), College of Engineering Perumon from 08.01.2009 to 11.08.2015 and from 14.08.2018 – till date.
- Assistant Professor in CSE at College of Engineering Perumon under the CAPE from 8th of January 2009 to 7th of January 2012.
- Lecturer in CSE in engineering colleges under the CAPE from 1st of July 2003 to 7th of January 2009
- Trainee Guest Programmer at Institute of Management in Government, apex training institute of the Government of Kerala from 03.10.2001 to 31.03.2003 intermittently.
- Guest faculty at Institute of Distance Education (IDE), University of Kerala during 2002-2003.

PUBLICATIONS - SCI INDEXED INTERNATIONAL JOURNALS

1. "Computer-Aided Classification of Prostate Cancer Grade Groups from MRI Images using Texture Features and Stacked Sparse Autoencoder", **Computerized Medical Imaging and Graphics**, Elsevier. (in press)
2. "Computer-Aided Grading of Prostate Cancer from MRI images using Convolutional Neural Networks", **Journal of Intelligent and Fuzzy Systems**, IOS Press. (Accepted)
3. "Computer-Aided Diagnosis of Clinically Significant Prostate Cancer from MRI Images using Sparse Autoencoder and Random Forest Classifier", **Biocybernetics and Biomedical Engineering**, Elsevier, Vol.38, No.3, pp.733-744, 2018.

PRESENTATIONS IN INTERNATIONAL CONFERENCE:

- Pre-recorded video presentation of the winning method of PROSTATEx-2 challenge at the **59th Annual Meeting of American Association of Physicists in Medicine (AAPM)** held at Denver, Colorado, United States of America.
- "Computer-Aided Grading of Prostate Cancer from MRI images using Convolutional Neural Networks", Accepted for presentation at the **Fourth International Symposium on Intelligent Systems Technologies and Applications (ISTA'18)** to be held at PES Institute of Technology, Bangalore, India during September 19-22, 2018.

AWARDS AND HONOURS:

- **First Prize Winner** in the **PROSTATEx-2 Grand Challenge 2017** conducted by the American Association of Physicists in Medicine (AAPM), along with the SPIE (the International Society for Optics and Photonics) and the National Cancer Institute (NCI), on the development of quantitative multi-parametric Magnetic Resonance Imaging (MRI) biomarkers for the determination of Gleason Grade Group in prostate cancer.
- Certificate of Appreciation from the Vice Chancellor, University of Kerala for winning the PROSTATEx-2 challenge.
- Honored by the Kerala State Aids Control Society (KACS) on National Youth Day, 2017 for winning the PROSTATEx-2 challenge.

FACULTY DEVELOPMENT PROGRAMMES (FDP)/SEMINARS COORDINATED

- AICTE sponsored FDP on Software Testing and Quality Management Techniques, 3rd of November 2009 to 16th of November 2009.
- AICTE sponsored National Seminar on Quantum Cryptography, 20th of November 2009

TRAINING PROGRAMMES/ FDPs/SHORT TERM COURSES/ WORKSHOPS ATTENDED

- Introduction to Deep Learning and its Applications: Theory and Hands on, IIST Trivandrum, 22 June 2017
- Medical Imaging: Techniques and Image Processing, IIT Delhi, 25.03.2016- 27.03.2016
- Workshop on "Scientific Communication", IIT Indore, Dec 1-13 2014
- STC on Data Analysis for Research and Publication, IIT Roorkee, May 31-June 01
- FDP at IIT Madras, 27th to 29th of July 2015.
- National Workshop on "Industry-Institute Interaction Awareness Programme", College of Engineering Trivandrum, 23rd May 2014
- MDP on "Academic Leadership Programme for TEQIP Institutions", IIM Kozhikode, Nov 11-16, 2013
- Workshop on "Design and Analysis of Algorithms", IITMK, Trivandrum, Sep 6-10n 2013
- STTP on "Methodology for Engineering Research", College Engineering, 15-17 Nov 2012

- AICTE sponsored SDP on “Communication, Network and Information Security”, 26th May-7th June 2008, LBS IT for Women
- Competency Development-Sharing of International Best Practices, Faith Infotech, Technopark, March 6 2009
- UGC sponsored Refresher course in Computer Applications, UGC Academic Staff College, Trivandrum, 29.11.2005 to 19.12.2005
- UGC sponsored Orientation Programme (IT Oriented), UGC Academic Staff College, Trivandrum,07.12.2006-03.01.2007

SEMINARS/SYMPOSIA/CONFERENCES ATTENDED

- National Seminar on Machine Intelligence, Kerala University, March 27-28, 2017
- National Conference on Image Processing and Machine Learning, Kerala University, March 22-24, 2017
- National Conference on Software Engineering(NCSOFT), CUSAT, August 13-14 2013

MAJOR RESPONSIBILITIES HELD

- Member, Board of Governors (BoG), College of Engineering Perumon
- Head of Computer Science and Engineering Department, College of Engineering Perumon
- Head of Information Technology Department, College of Engineering Perumon
- TEQIP Coordinator, College of Engineering Perumon
- NBA Accreditation coordinator, College of Engineering Perumon

MEMBERSHIP IN PROFESSIONAL BODIES

- IEEE Member
- ACM Member
- ISTE Life Member

FIELD OF INTEREST

- Digital Image Processing
- Medical Imaging
- Machine Learning

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