EBIN P. M

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Poovathunkal House
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SCOPUS ID: 57205057285

RESEARCH GATE:
https://www.researchgate.net/profile/Ebin-Pm-2

WEBSITE
itsmeebin.wordpress.com

CAREER OBJECTIVE

To be part of an organization where my skills and capabilities enhance its efficiency in its operation and help it in achieving its objective in an efficient way. I possess the interest, capacity and motivation to play an effective role in the organization I work for.

QUALIFICATION PROFILE

Degree	Discipline	Name of Institution	Board / University	Year of Passing	Aggregate (%/CGPA)
PhD*	Computer Science & Engineering	Hindustan University		Completed Coursework	
M.Tech	Computer Science & Engineering	HITS, Chennai	Hindustan University	2013	8.01
AMIE	Computer Science & Engineering	The Institution of Engineers (India), Kolkata		2011	7.57
H.S.C	Computer Science	St. Berchman's H S S Changanacherry	Kerala	2006	68.5
S.S.L.C		St. Berchman's H S S Changanacherry	Kerala	2004	74

PROFESSIONAL EXPERIENCE

S.No	Designation & Department	College/Company	From	To	Years Experience
1	Assistant Professor, CSE	Alliance University Bangalore	01-8-23	Cont.	
2	Assistant Professor, CSE	Chandigarh University Punjab	11-8-21	31-7-2023	2 years
3	Assistant Professor, CSE	IES College of Engineering, Chittilappilly	01-1-20	10-8-2021	1.7 year
4	Assistant Professor (Ad-hoc), CSE	MEA Engineering College, Perinthalmanna	29-7-19	31-12-19	6 months

5	Assistant Professor, CSE	Kottayam Institute of Technology & Science, Kottayam	1-8-18	18-7-19	1 year
6	Assistant Professor, CSE	Eranad Knowledge City Technical Campus Manjeri	13-7-17	24-7-18	1 year
7	Assistant Professor , CSE	Cochin College of Engineering and Technology, Valanchery	01-6-15	13-7-17	2 years
8	Lecturer, CSE	VIET, Kottayam	14-2-11	15-6-11	4 months
TOTAL YEARS OF EXERIENCE					**8.5 Years**

SKILL SUMMARY

- Knowledge about Outcome Based Education (**OBE**) and **NBA**
- Good team worker with a problem-solving attitude.
- Dedication towards work, Honest and innovative.
- Interested to acquire the knowledge about recent trends in Computer Science.
- Knowledge in C, C++, JAVA, Python
- Online Teaching and Learning
- Efficient in MS-Office

CONFERENCE PUBLICATIONS

- E. Pm, A. B. Kaimal, U. Ananthanagu, A. Sujith, S. P. T and D. C, **"A Novel Approach to Identify Diabetic Macular Edema Using a Minimal CNN Model,"** 2023 1st International Conference on Optimization Techniques for Learning (ICOTL), Bengaluru, India, 2023, pp. 1-6, doi: 10.1109/ICOTL59758.2023.10435002.
- D. Vetrithangam, P. M. Ebin, P. Nareshkumar, B. Arunadevi, A. Fathima and A. Ramesh Kumar, **"Enhanced Vgg-19 Model for Accurate Brain Tumor Prediction,"** 2023 International Conference on Network, Multimedia and Information Technology (NMITCON), Bengaluru, India, 2023, pp. 1-6, doi: 10.1109/NMITCON58196.2023.10276235.
- P. M. Ebin and B. K. Athira, **"Identification of Pneumonia Symptoms in Covid19 patients using Transfer Learning Approach,"** 2023 International Conference on Computer Communication and Informatics (ICCCI), Coimbatore, India, 2023, pp. 1-4, doi: 10.1109/ICCCI56745.2023.10128630.
- P. M. Ebin and P. Ranjana, **"A Variant Binary Classification Model for No-DR Mild-DR Detection using CLAHE Images With Transfer Learning,"** 2022 International Conference on Computing, Communication, Security and Intelligent Systems (IC3SIS), Kochi, India, 2022, pp. 1-5, doi: 10.1109/IC3SIS54991.2022.9885665.
- Raman Chadha, Puneet Kumar, Ebin P. M.; **Examining vehicle detection and taxonomy for traffic analysis and reporting.** AIP Conference Proceedings 21 October 2022; 2555 (1): 040011. https://doi.org/10.1063/5.0108933
- P. M. Ebin and P. Ranjana, **"An Approach Using Transfer Learning to Disclose Diabetic Retinopathy in Early Stage,"** 2020 International Conference on Futuristic Technologies in Control

Systems & Renewable Energy (ICFCR), Malappuram, India, 2020, pp. 1-4, doi: 10.1109/ICFCR50903.2020.9249988.

- P. M. Ebin, P. Akhil Dev, P. Mishab, C. Sreejith and U. K. Srudhil, **"An Andriod Application for Smart Parking With Efficient Space Management,"** 2018 International Conference on Emerging Trends and Innovations In Engineering And Technological Research (ICETIETR), Ernakulam, India, 2018, pp. 1-5, doi: 10.1109/ICETIETR.2018.8529084.

JOURNAL PUBLICATIONS

- U Ananthanagu, P M Ebin, Nivedita Manohar Mathkunti, **FFO-ABC DepressioGuard: A Hybrid Classification Framework for Social Media Depression Detection**, Procedia Computer Science, Volume 230, 2023, Pages 138-149, ISSN 1877-0509, https://doi.org/10.1016/j.procs.2023.12.069.
- A paper entitled **"An Improved EM-CNN Deep Neural Network for Classifying Mild Diabetic Retinopathy from Normal Images"** is published in the Journal of Theoretical and Applied Information Technology (Scopus Indexed), vol. 101, no. 11, pp. 4366–4376, June. 2023.
- A paper entitled **"A Comparative Study for Mild DR Detection with CLAHE and Non-CLAHE Fundus Images using Minimal CNN Model"** is published in the Journal CIMS vol. 28, no. 12, pp. 810–826, Dec. 2022. DOI: 10.24297/j.cims.2022.12.57
- A paper entitled **"Automated Irrigation System Based on Machine Learning Concept"** is published in International Journal of Information Systems and Computer Sciences (**IJISCS**), ISSN: 2319-7595, Volume 8 No.2, MARCH-APRIL 2019.
- A paper entitled **"Knowledge Assimilation of Machines Using Various Approaches"** is published in International Journal of Innovative Technology and Exploring Engineering (**IJITEE, Elsevier and SCOPUS Indexed**), ISSN: 2278-3075, Volume 8 Issue 6\ APRIL 2019.
- A paper entitled **"Human Knowledge with Fuzzy Ideas"** is published in Invention Journal of Research Technology in Engineering and Management(**IJRTEM**) , ISSN: 2455-3689 , Volume 2 Issue 10\ October 2018\ PP 66-67.
- A paper entitled **"Privacy preserving suppression algorithm for anonymous databases"** is published in **IJSR** Journal Volume2 Issue1, January 2013.
- A Paper entitled **"An approach to deal the untrusted malicious parties in anonymous database systems"** is published in **IJARCS** Journal Volume4, No.2, Jan-Feb 2013.

BOOK / BOOK CHAPTER PUBLICATIONS

- Book *"Programming in C"* (Chess Educational Publishers) – ISBN 978-93-891901-6-8
- Book chapter *"Trending Teaching and Learning Mechanisms in 21st Century"* in the book "Innovative Teaching and Learning Process during COVID 19" (IOR International Press) – ISBN 978-93-89631-66-1. ISBN(E-Book) 978-93-89631-67-8
- Book chapter *"Knowledge Transfer through Transfer Learning - A machine learning Approach for Image Classification"* in the book "Emerging Research in Engineering and Technology" (Manglam Publications, Delhi) – ISBN 978-81-950722-9-3

PATENT(S)

- Published a patent titled *"Plant Disease Identification System through Implementing Image Processing"*, Application No.202211010476

AWARD(S)

- NPTEL Faculty Excellence Award-2023 from Chandigarh University

FACULTY DEVELOPMENT PROGRAMMES (FDPs)

- Participated in 7 days online FDP on **"Deep Learning Case studies"** organized by Christ University in association with TCS, during 25th to 31st October 2023.
- Participated in 5 days online FDP on "A**I Trends and Industry Use cases- Contemporary and Future"** organized by FIAST in association with TCS,Kochi, during 25th to 30th September 2023.
- Participated in One week national level online FDP on **"Implementation of Examination Reforms Policy of AICTE"** organized by D.Y. Patil College of Engineering, Akurdi, Pune during 20th to 25th February 2023.
- Participated in One week national level online FDP on **"Societal Applications of Machine Learning"** organized by Shri Vishnu Engineering College for Women (A), Bhimavaram during 26th to 30th December 2022.
- Participated in Three days online FDP on "**Artificial Intelligence and Data Science**" organized by Sree Narayana Gurukulam College of Engineering during 17th to 19th March 2022
- Participated in Five days online FDP on "**Machine Learning & Deep Learning Using Python**" organized by UKF College of Engineering & Technology during 14th to 18th June 2021
- Participated in Three days online FDP on "**Technology Start-up and IPRS**" organized by DR. Baba sahib Ambedkar Technological University during 15th to 17th March 2021
- Successfully completed AICTE sponsored Short Term Training Program (STTP) on "**High Performance Computing and Deep Learning for Image, Text Analysis**" organized by Mar Baselios College of Engineering and Technology, Thiruvananthapuram, during 22nd to 27th February 2021.
- Participated in Five days online international Short Term Training Program (STTP) on "**Machine Learning**" organized by St. Joseph's Institute of Technology, Chennai in association with Computer Society of India (CSI), Kancheepuram chapter during 27th to 31th July 2020
- Participated in Five days online international FDP on "**A to Z of Research**" organized by SRM Institute of Science and Technology , Chennai during 27th to 31th July 2020
- Participated in Five days online FDP on "**Computer Vision Using Deep Learning**" organized by Panimalar Engineering College , Chennai during 26th to 30th June 2020
- Participated in Three days online FDP on "**Machine Learning & Artificial Intelligence**" organized by Computer Society of India , Cancheepuram Chapter during 25th to 27th June 2020
- Participated in Seven days online FDP on "**NBA Accreditation Process**" organized by MEA Engineering College, Perinthalmanna during 20th May to 28th May 2020
- Successfully completed Five days online FDP on "**Learning Management System - MOODLE**" organized by APJ Abdul Kalam Technological University , Kerala during 22nd May to 27th May 2020
- Successfully completed One Week online FDTP on "**Technical Teacher's Training**" organized by Vidyavardhini Institute of Technology, Pal during 22nd May to 27th May 2020
- Participated in Five days online FDP on "**Artificial Intelligence and Machine Learning**" organized by CMR Technical Campus , Hyderabad during 18th May to 22nd May 2020
- Successfully completed Four Week online FDP on "**Tools for Online Teaching Learning Process**" organized by Department of Pharmacy, Government Polytechnic, Jalgaon from April 20 to May 17, 2020.
- Participated in Seven days FDP on "**Teaching in Globally Connected World**" organized by Nallamuthu Gounder Mahalingam College, Coimbatore during 18th May to 24th May 2020
- Successfully completed Short Term Skill Training Program on "**Python: Beginners Tutorial**" organized by Entrepreneurship, Innovation and Career Hub, Alagappa University, Karaikudi from 11th May to 17th May 2020 under the aegis of MHRD RUSA2.0 Scheme.
- Participated in Five days online FDP on "**IOT Trends to Drive Innovation for Business and Digital Technology**" organized by Hindusthan Institute of Technology,Coimbatore during 11th May to 15th May 2020
- Participated in four days National Level FDP on "**Impact on AI in Education and Industry Post Covid-19**" organized by Nallamuthu Gounder Mahalingam College, Pollachi, during 11th May to

14th May 2020

- Participated in one day FDP on "**Challenges in Building Collaborations in Research and Innovation**" organized by Dr.M.G.R Educational And Research Institute, Chennai on May 9th 2020
- Participated in online National Level FDP on "**Decoding Examination During and Post Covid 19**" organized by SKILLSLATE and powered by Zovy Studios, Pune on May 8th 2020
- Participated in Ten days online FDP on "**Deep Learning and Its Applications** " organized by Electronics and ICT Academy, IIT Roorkee from 4th May to 13th May 2020
- Participated in one week National Level FDP on "**LaTeX**" organized by Spoken Tutorial Project, IIT Bombay remotely at AISSMS College of Engineering, Pune during 28th April to 4th May 2020
- Participated in One Week National FDP and online training on "**LaTeX**" organized by Sanjay Ghodawat University, Kolhapur in association with Spoken Tutorial Project, IIT Bombay during 27th April to 2nd May 2020
- Participated in Five day FDP on "**PHP and MYSQL**" organized by Spoken Tutorial Project, IIT Bombay remotely at K.M.G College of Arts and Science , Gudiyattam during 27th April to 1st May 2020
- Participated in one day online FDP on "**IPR Ethics & Trails in Research**" organized by Santhiram Engineering College, Nandyal, Andhra Pradesh on May 3rd 2020
- Participated in three weeks FDP on "**Outcome Based Education (OBE)**" at D Y Patil College of Engineering, Akurdi, Pune during March 24th to April 14th 2020
- Participated in three day FDP on "**Tools for Machine Learning Application Development**" at Amal Jyothi College of Engineering, Kanjirappally during 8th to 10th January 2020
- Participated in three day FDP on "**Artificial Intelligence**" at MEA Engineering College, Perinthalmanna during 13th to 15th December 2018
- Participated in two day FDP on "**Machine Learning Using Python**" at Eranad Knowledge City Technical Campus, Malappuram during 18th and 19th July 2018
- Participated in two day FDP on "**Machine Learning Techniques**" at St. Thomas college of Engineering and Technology, Chengannur during 12th and 13th July 2018

WORKSHOPS / WEBINARS

- Participated three days **International Virtual workshop on Artificial Intelligence and Machine Learning** conducted by Hindustan Institute of Technology and Science, Chennai on 21 - 23 February 2022.
- Participated four days **hands-on workshop on Machine Learning** conducted by St. Thomas College of Engineering and Technology, kannur on 28 - 31 December 2021.
- Participated and presented a paper titled **"Classification of Diabetic Retinopathy using Fundus Images through Knowledge Transfer Method in Deep Learning "** in an International Conference on Recent Trends in Parallel and Distributed Processing Techniques (RTPDP-2021,**Scopus**) conducted by Galgotias College of Engineering and Technology, Greater Noida on 9-10 July 2021.
- Organized and coordinated a webinar on **Introduction to data Science with Hands on Programming in Python** at IES College of Engineering on 19th June 2021
- Participated and presented a paper titled **"Machine Learning Over Big Data for Cerebral Disease Prediction"** in an Online National Conference on Innovations and Challenges in Geotechnical Engineering (**NCGCE-'20**) conducted by IES College of Engineering, Thrissur on 1st August 2020.
- Participated in two days Online Workshop on **Outcome Based Education - NBA Approach** organized by Dr. Vithalrao Vikhe Patil College of Engineering Ahmednagar, Maharashtra from 11th June to 12th June 2020.
- Participated in the Webinar on **Identification of Internet Suspect Criminals using Forensic Field True Traveller Kit** organized by Francis Xavier Engineering College, Tirunelveli on 27th May 2020
- Participated in National Webinar on **Research Methodology** organized by SVD. Government

Degree College (W), Andhra Pradesh on 21st May 2020.

- Participated in one-week International Webinar on **Education 4.0** organized by D.Y. Patil College of Engineering, Akurdi, Pune from 5th May to 11th May 2020.
- Participated in the Webinar on **Personal Effectiveness- Need of the Hour** organized by Sakthi Institute of Information and Management Studies, Pollachi on 14th May 2020
- Participated in the Webinar on **A Road Map to Digital Forensics** organized by Providence College of Engineering on 08th May 2020
- Participated in the Webinar on **Coding – A Basic Life Skill** organized by Sreepathy Institute of Management and Technology on 08th May 2020
- Participated in the Webinar on **Leadership Development** organized by IEEE IAS MEA SBC on 7th May 2020.
- Participated in the Webinar on **Robotic Fundamentals** organized by Sreepathy Institute of Management and Technology on 03rd May 2020
- Participated in the Webinar on **Getting Started with Technology Fusion: NLP, Graph, Big Data and Machine Learning** organized by IEEE CS MEA SBC on 2nd May 2020.
- Participated in the Webinar on **Introduction to Quantum Computing** organized by MEA Engineering College on 01st May 2020
- Participated in three days online Workshop on **EDUCATION 4.0** organized by IQAC, Atharva College of Engineering, Maharashtra on 28-30 April 2020.
- Participated in the Webinar on **Insights of Data Science** organized by IEEE CS MEA SBC on 28th April 2020.
- Participated in two days Hands-on Webinar on **Introduction to GIT and GITHUB** organized by MEA Engineering College, Perinthalmanna on 22-23 April 2020.
- Participated in one day Hands-on training program on **Scientific Paper Writing** organized by MEA Engineering College, Perinthalmanna on 12th December 2019.
- Participated in a two day International Workshop on **Deep Learning** organized by Providence College of Engineering, Chengannur in association with **NVIDIA** on 5th and 6th April 2019.
- Participated in **ROBOVENTURES'15- a Robotic Workshop** organized by Vorton Techsolutions Pvt.Ltd. at Junior Baselios E M School, S.Pampady, on 20th June 2015.

ONLINE CERTIFICATION COURSES

- *Teaching and Learning in Engineering* (**NPTEL**)
- *Outcome Based Pedagogic Principles for Effective Teaching* (**NPTEL**)
- *Introduction to Research* (**NPTEL**)
- *Introduction to Operating Systems* (**NPTEL**)
- *Effective Engineering Teaching in Practice* (**NPTEL**)
- *Python for Data Science, AI & Development* (**Coursera**)

PROFESSIONAL ACTIVITIES

- **Reviewer** in the IEEE International Conference on Knowledge Engineering and Communication Systems (ICKECS-2022) organized by SJC Institute of Technology, Karnataka on December 28-29, 2022.
- **Reviewer** in the International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2022) organized by Department of Computer Science, Institute of Science, Banaras Hindu University,Varanasi, India in hybrid mode during December 22-24, 2022.
- **Reviewer** in the Second Edition of IEEE Mysore Subsection Flagship International Conference **"MysuruCon-2022"** organized by IEEE Mysore Subsection in association with IEEE Bangalore Section which is co-organized and hosted at JSS Science and Technology University, Mysuru (SJCE, Mysuru) during 16-17, October 2022.

- **Reviewer** in the IEEE International Conference on Data Science and Information System **(ICDSIS-2022)** organized by Malnad College of Engineering, Hassan, India in association with **IEEE** Bangalore Section and IEEE Mysore Subsection on 29th -30th July, 2022.
- **Reviewer** in the Journal of "*The Institution of Engineers (India): Series B*" ISSN 2250-2114, **Springer Nature on 2022.**
- **Reviewer** in the International Conference on Distributed Computing and Electrical Circuits and Electronics **(ICDCECE-2022)** organized by Ballari Institute of Technology and Management, Ballari, India in association with **IEEE** Bangalore Section and IEEE Information Society on 23rd - 24th April, 2022.
- **Reviewer** in the International Conference on Mobile Networks and Wireless Communications **(ICMNWC-2021)** organized by Sri Siddhartha Institute Of Technology, Tumkur in association with **IEEE** Bangalore during 03-04 December 2021.

SUBJECT HANDLED

- Soft Computing
- Microprocessors and Microcontrollers
- Compiler Design
- Theory of Computation
- Artificial Intelligence
- Computer System Architecture
- Data Structures
- Object Oriented Programming Using JAVA
- Computer Programming & Numerical Methods
- Switching Theory & Logic Design
- Embedded Systems
- Operating Systems
- Principles of Database Design
- Computer programming
- Computer Graphics
- Distributed Systems
- Web programming
- Management Information System
- FOSS Lab
- System Software Lab
- Python Lab

PROJECTS UNDERTAKEN

- **At Graduation (Engg.) Level:**
  Name of Project: Software project management system

  Facilitator   : Expert Information Technology Private Limited®

- **At Post Graduation (M.Tech) Level:**
  Name of Project: Data management by privacy preserving in the Anonymous Database

MEMBERSHIPS IN PROFESSIONAL BODIES

- The Institution of Engineers India (IEI) : Membership Number : **AM142489-3**
- International Association of Engineers (IAENG) : Membership Number : **125682**

- Computer Society of India (CSI) : Membership Number : **F8003845**

PERSONAL PROFILE

Name of father: Mohanan P .M
Gender: Male
Nationality: Indian
Marital status: Single
Language proficiency: English, Malayalam

DECLARATION

I hereby declare that all the above-mentioned statements are true to the best of my knowledge and belief.

Place : Changanacherry

Date :

EBIN P. M