Dr P Ezhumalai

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Address: R.M.D Engineering College, R.S.M. Nagar, Kavaraipettai,

Tamil Nadu,India - 601206

Expertise

Computer Science Engineering

Dr.P.Ezhumalai B.E, M.Tech, Ph.D., FIE.,is the Professor and Head of the Department of Computer Science and Engineering at R.M.D Engineering College, Chennai, 30 years of Teaching Experience with
15 years of research experience. I have completed B.E (CSE) in the year 1992 from University of Madras and M.Tech (CSE) in the year 2006 from J.N.T. University Hyderabad and Ph.D., in Design and Implementation of High Performance Architecture for NoC System from Anna University, Chennai in the year 2012

Work Experience

1. R.M.D. Engineering College 2013 — Present

   Professor & Head
   Thiruvallur

2. RMK College of Engineering and Technology 2011 — 2013

   Professor & Head
   Thiruvallur

3. Rajalakshmi Engineering college 2010 — 2011

   Professor
   kanchipuram district

4. Sri Venkateswara College of Engineering 2008 — 2010

   Associate Professor
   Kanchipuram

5. RMK Engineering College 2006 — 2008

   Assistant Professor
   Thiruvallur

6. Sree Vidyanikethan Engineering College 1999 — 2006

   Assistant Professor
   Chittoor

7. Sathyabama Institute of Science and Technology 1995 — 1999

   Senior Lecturer
   Chennai

8. Sathyabama Institute of Science and Technology 1992 — 1995

   Lecturer

   Chennai

Education

DEGREE	UNIVERSITY	YEAR
B.E(CSE)	University of Madras	1992
M.TECH(CSE)	J.N.T University, Hyderabad	2006
Ph.D	Anna University, Chennai	2012

Honours and Awards

1. Academic Professional ICON Award -IEI - 2019

2. Longest continuous SBC Award -CSI- 2017

3. National citizenship Gold Medal Award – Global economic Progress & Research Association - 2016

4. Best Accredited Branch Award- CSI - 2012

Membership In Professional Bodies

1. ACM MEMBER-2023
2. ISTE LIFE MEMBER- 2022
3. IEI LIFE MEMBER -2012
4. CSILIFE MEMBER- 2009

Patent

1. MACHINE LEARNING IN IOT FOR INTELLIGENT ROUTING
   Inventor(s): Dr. P. Ezhumalai Dr. C.S. Anita Dr. D. Rajalakshmi Dr. M. Rajkumar
   Dr. P. Shobha Rani Ms. K. Balasaranya Ms. J. Geetha Priya Ms.V. Sharmila ,
   Assignee: R.M.D. Engineering College
   Published: 2021-02-05

2. A Smart Gadget To Assist Basic Medical Info About The Patients To
   Virtual Doctors In Medic Apps
   Inventor(s): P Ezhumalai, R.Sasikumar,
   S.Muthusundari,M.A.Berlin,Jaithunbi A K ,M.Vedaraj,
   K.Mohanasundaram, Alekhya, Assignee: R.M.D. ENGINEERING
   COLLEGE
   Published: 2021-02-26

3. Intelligent Blind Stick
   Inventor(s): Dr. P. Ezhumalai
   Published: 2021-04-16

4. A Smart Meter Energy Management System
   Inventor(s): Dr. P. Ezhumalai
   Published: 2021-04-23

5. A New Model for Investigation of Marine World
   Inventor(s): Dr. P.Shobha Rani Dr. P.Ezhumalai Dr. M.Rajkumar
   Ms. K.Balasaranya Ms. J.Geetha Priya
   Ms.A. Tamizharasi Ms. S.Remya Rose Ms. S. Logeswari Ms. K.J Jausmin ,
   Assignee: R.M.D. Engineering College
   Published: 2021-04-23.

6. IoT Based Patience Health Data Monitoring And Maintenance With
   Fog Computing
   Inventor(s): Dr. P. Ezhumalai Dr. S. Muthusundari Dr. M. A. Berlin,
   Dr.C.S.Anita, Dr.D. Rajalakshmi, Dr. A.K.Jaithunbi, Mr. M. Vedaraj, Dr.
   A.Gnanasekar, Mrs K.Padmapriya Mrs L.Sherin Beevi, Assignee: R.M.D
   Engineering College
   Published: 2021-11-05

7. Tumour Prediction Using Radiomics Algorithm
   Inventor(s): Dr. P. Ezhumalai, Assignee:
   Published: 2021-10-29

8. An Air Gesture Based System for Communicating between Multiple
   IoT Devices
   Inventor(s): Dr. P. Ezhumalai,
   Assignee: Published: 2020-07-31

9. Virtual Jewellery Projection System
   Inventor(s): Dr. P. Ezhumalai,
   Assignee: Published: 2016-11-18

Publication

1. A fuzzy logic and DEEC protocol-based clustering routing method
   for wireless sensor networks

   Subramani N.;Mardani A.;Mohan

   P.;Mishra A.R.;Ezhumalai P. AIMS

   Mathematics, Volume 8, Year 2023, Pages

   8310-8331

2. Improved wild horse optimization with levy flight algorithm for effective task scheduling in cloud computing

Saravanan G.;Neelakandan S.;Ezhumalai

P.;Maurya S. Journal of Cloud Computing,

Volume 12, Year 2023

3. Retraction Note to: HERDE-MSNB: a predictive security architecture for IoT health cloud system(Journal of Ambient Intelligence and Humanized Computing, (2020), 12, (7333–7342), 10.1007/s12652-020-02408-x)

Vedaraj M.;Ezhumalai P.

Journal of Ambient Intelligence and Humanized Computing, Volume 14, Year 2023, Pages 437

4. A bipartite graph based proportional fair scheduling strategy to improve throughput with multiple resource blocks

Kesavan D.;Periathambi E.;Chockkalingam A.

International Journal of Electrical and Computer Engineering, Volume 13, Year 2023, Pages 4280-4290

5. A Lag Fewer Way to Render Exam Results

Dhanush L.;Priya J.G.;Ezhumalai P.;Raghavenedra

D.S.;Krishna D.M.G. AIP Conference Proceedings,

Volume 2523, Year 2023

6. Optimized Prediction of Melanoma Using Machine Learning

P. Ezhumalai, V. Sharmila

Cardiometry , Volume 26, Year 2023, Pages 614

7. Improved wild horse optimization with levy fight algorithm for effective task scheduling in cloud computing

G. Saravanan1 , S. Neelakandan1,2*, P. Ezhumalai3 and Sudhanshu Maurya4
Journal of Cloud Computing: Advances, Systems and Applications, Volume , Year 2023, Pages 12-24

8. Correction: Improved wild horse optimization with levy fight algorithm for effective task scheduling in cloud computing (Journal of Cloud Computing, (2023), 12, 1, (24), 10.1186/s13677-023-00401-1)

Saravanan G.;Neelakandan S.;Ezhumalai

P.;Maurya S. Journal of Cloud Computing,

Volume 12, Year 2023

9. A proportional fair scheduling strategy using multiobjective gradient-based African buffalo optimization algorithm for effective resource allocation and interference minimization

Kesavan D.;Periyathambi E.;Chokkalingam A.
International Journal of Communication Systems, Volume 35, Year 2022

10. A Neuro Fuzzy with Improved GA for Collaborative Spectrum Sensing in CRN

Velmurugan S.;Ezhumalai P.;Mary Anita E.A.
Intelligent Automation and Soft Computing, Volume 34, Year 2022, Pages 1093-1108

11. A scrutiny on brain tumour classification using deep learning technique

Padmapriya K.;Divya S.;Ezhumalai P.
Materials Today: Proceedings, Volume , Year 2022

12. Adaptive and intelligent opportunistic routing using enhanced feedback mechanism

Sharmila V.;Mandal K.;Shalani S.;Ezhumalai P.
Artificial Intelligent Techniques for Wireless Communication and
Networking, Volume , Year 2022, Pages 255-268

13. A secure IoT-Cloud based healthcare system for disease classification using neural network

Vedaraj M.;Ezhumalai P.
Computer Systems Science and Engineering, Volume 41, Year 2022, Pages 95-108

14. Land Use and Land Cover Classification Using Recurrent Neural Networks with Shared Layered Architecture

    T. Vignesh ., K.K. Thyagharajan ., R. Beaulah Jeyavathana ., K.V. Kanimozhi .,
    2022 International Conference on Computer Communication and
    Informatics, ICCCI 2022, Year 2022

15. Impact of Machine and Deep Learning in Drug Repurposing

    Sherine Glory J.;Devi P.D.;Ezhumalai P.
    Proceedings of 5th International Conference on Contemporary Computing
    and Informatics, IC3I 2022,Year 2022, Pages 2154-2158

16. An improved deep convolutional neural network architecture for chromosome abnormality detection using hybrid optimization model

    Nimitha N.;Ezhumalai P.;Chokkalingam A.
    Microscopy Research and Technique, Volume 85, Year 2022, Pages 3115-3129

17. A Deep Learning Modified Neural Network(DLMNN) based proficient sentiment analysis technique on Twitter data

    Neelakandan S.;Paulraj D.;Ezhumalai P.;Prakash M.
    Journal of Experimental and Theoretical Artificial Intelligence, Year 2022

18. An efficient chaotic system based hybrid radiation heat transfer sunflower optimization algorithm for securing digital image transmission

    Sekar J.G.;Ezhumalai P.;Chokkalingam A.
    Concurrency and Computation: Practice and Experience, Volume 34, Year 2022

19. Task scheduling in geo-distributed big data using ant colony optimization

    Rajkamal J.;Ezhumalai P.
    AIP Conference Proceedings, Volume 2405, Year 2022

20. An approach for brain tumor detection using optimal feature selection and optimized deep belief network

    Sathies Kumar T.;Arun C.;Ezhumalai P.
    Biomedical Signal Processing and Control, Volume 73, Year 2022

21. Intermodal Sentiment Analysis for Images with Text Captions Using the VGGNET Technique

    Sathish R.;Ezhumalai P.

    ACM Transactions on Asian and Low-Resource Language Information Processing, Volume 20, Year 2021

22. HERDE-MSNB: a predictive security architecture for IoT health cloud system

    Vedaraj M.;Ezhumalai P.

    Journal of Ambient Intelligence and Humanized Computing, Volume 12, Year 2021, Pages 7333-7342

23. Enhanced sentimental analysis using visual geometry group network- based deep learning approach

    Sathish R.;Ezhumalai P.

    Soft Computing, Volume 25, Year 2021, Pages 11235-11243

24. Enhanced Privacy Preservation of Cloud Data by using EIGamal Elliptic Curve(EGEC) Homomorphic Encryption Scheme

    P Ezhumalai, M Vedaraj

    KSII Transactions on internet and information systems, Volume 14, Year 2020, Pages

25. Enhanced Privacy Preservation of Cloud Data by using ElGamal Elliptic Curve (EGEC) Homomorphic Encryption Scheme

    Vedaraj M.;Ezhumalai P.

    KSII Transactions on Internet and Information Systems, Volume 14, Year 2020, Pages 4522-4536

26. Mobile Controlled Automated wheelchair for Disabilities

    Dr P Ezhumalai

    International Journal of Innovative Technology and Exploring Engineering, Year 2019,

27. IOT big data piling up system based sentimental and pharmacovigilance analysis in cloud for patients

    Madhan E.S.;Ezhumalai P.;Rukmanidevi S.
    Asian Journal of Information Technology, Volume 15, Year 2016, Pages 712-718

28. Mobile keylogger detection using machine learning technique

Gunalakshmii S.;Ezhumalai P.

Proceedings of ICCCS 2014 - IEEE International Conference on Computer Communication and Systems, Year 2014, Pages 51-56

29. Customized NoC topologies construction for high performance communication architectures

Ezhumalai P.;Chilambuchelvan A.

Communications in Computer and Information Science, Volume 148 CCIS, Year 2011, Pages 88-94

30. Novel NoC topology construction for high-performance communications

Ezhumalai P.;Chilambuchelvan A.;Arun C.

Journal of Computer Networks and Communications, Year 2011

31. Improving the Performance of a Scalable Encryption Algorithm (SEA) using FPGA

Dr P Ezhumalai

International Journal of Computer Science and Network Security, Year 2010

32. A Preclinical Study on Radiomics-Driven Brain Tumor Prediction Using Deep Convolutional Neural Network

P.Ezhumalai

Revista geintec-gestao inovacao e Technologies, Year 2021,

33. IOT Enabled Smart Assistance System Using Face Detection And Recognition For Visually Challenged People

P.Ezhumalai

Materials Today: Proceedings, Year 2020,

34. Image Reconstruction in Surgical Field Using Deep Learning

P.Ezhumalai,Padmapriya.K

Revista geintec-gestao inovacao e Technologies, Year 2020

35. Improved Security Using Machine Learning For Iot Intrusion Detection System

P.Ezhumalai

Materials Today: Proceedings, Volume , Year 2020

36. In vehicle Intelligent Transport system for Preventing Road Accidents using Internet of Things

    P.Ezhumalai

    International Journal of Applied Engineering Research, Year 2021

37. Scrib-Free Way for the Specially Abled to Write Exams

    P.Ezhumalai

    Revista geintec-gestao inovacao e Technologies, Year 2020

38. Sentiment Analysis For Hard Dataset With Lexicon, NCCA Based ALSTM Model

    P.Ezhumalai

    Journal Of Critical Reviews , Year 2021

39. Speech To Sign Language Translator For Hearing Impaired

    P.Ezhumalai

    Turkish Journal of Computer and Mathematics Education, Year 2021