



Bharathiar University

State University | "A++" Grade by NAAC | 26th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr R PORKODI Professor Department of Computer Science Bharathiar University Coimbatore, 641046 Tamil Nadu E-mail: porkodi_r76@buc.edu.in Phone: 9790499147 Office Number: 04222428349	
Research Area • Geo-Spatial Mining • Natural Language Processing • Bioinformatics	Courses Teaching • Linux Programming • Visual Programming • Parallel Processing • Web services • Mobile Application Development • Data Mining • Python Programming • C# and .NET programming • Sentiment Analysis
Research Experience: 19	Teaching Experience: 25
Research Credentials (as on September 2025 – Source: Google scholar) H-index: 10 Citations: 911 i10-index: 11	
Publications Books/Chapters: 2 International Journals: 65 Conferences: 51	
Career Other Institutes 1. Designation : Lecturer Institution Name : Arul Anandar College, Karumathur, Madurai Period : June 2000 - April 2005 2. Designation : Lecturer Institution Name : VPMM College of Arts and Science, Srivilliputhur Period : June 1999 - May 2000 At Bharathiar University 1. Designation : Assistant Professor Period : April 2005 - September 2025	
Education Ph. D. Subject : Computer Science Institution : SNR College, Coimbatore Affiliated University : Bharathiar University Year of Award : April 2013 M.C.A Subject : Computer Application Institution : Madurai Kamaraj University Affiliated University : Madurai Kamaraj University Year of Award : April 1998	



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Dr R PORKODI , Professor , Department of Computer Science

Projects National Level Ongoing - 1 completed - 1	Research Guidance Completed Ph.D. - 4 M.Phil. - 14
Institutional Responsibilities HOSTEL WARDEN Period :Aug 2009 - Aug 2011 Nature of Responsibility :Periyar Ladies Hostel Bharathiar University Hostels HOSTEL WARDEN Period :Aug 2014 - Feb 2015 Nature of Responsibility :Kannamma ladies hostel,Bharathiyar University Hostels Chairman/ Member Board of Studies Period :Nov 2009 - Aug 2011 Nature of Responsibility :Chairperson,BOS in Computer Science(UD) Bharathiar University Chairman/ Member Board of Studies Period :Sep 2011 - Feb 2015 Nature of Responsibility :Member,BOS in Computer Science(UD) Bharathiar University Chairman/Member Question Paper setting Board Period :Jan 2007 - Feb 2015 Nature of Responsibility :Member in Anna University, Periyar University, Avinashilingam University, Mahathma Gandhi University, Jamal Mohamed College. Chairman/Member Selection Committee Period :Jan 2011 to Till date Nature of Responsibility :Member of Guest Lecturer Selection Committee ,Department of Compure Science, Bharathiar University Chairman/Member Selection Committee Period :Jan 2011 to Till date Nature of Responsibility :Member of Guest Lecturer Selection Committee ,Department of Compure Science, Bharathiar University Member Academic Council Period :Nov 2009 - Aug 2011 Nature of Responsibility :Member of standing committee on Academic affairs(SCAA)	
Programs organized 1. Organized 21 days,Refresher Course in Computer Science,Bharathiar University from 20.11.2012 to 10.12.2012 jointly organized with HRDC, Bharathiar University, Coimbatore (2012-11-20 - 2012-12-10) 2. Organized 2 days International Symposium on Research Innovation for Quality Improvement in Higher Education jointly with Research and Development Centre of Bharathiar University, Coimbatore during 10th and 11th October 2014 (2014-10-10 - 2014-10-11) 3. Organized 1 Day Seminar on Future of Mobile Technologies and Artificial Intelligence (SFMTAI'17) on 15th December, 2017. (2017-12-15 -) 4. Organized 1-day National Research level Workshop on Recent Trends in Computer Science (NRWRTCS '16) 12th February 2016. (2016-02-12 -) 5. Organized 2 days National Workshop on Semantic Web Ontology (NWSWO '15), 13th and 14th March 2015. (2015-03-13 - 2015-03-14) 6. Organized Six Days Webinar on Research Perspectives: Transition from Industry 4.0 to 5.0 from 15th to 20th June 2020. (2020-06-15 - 2020-06-20) 7. Organized Two Days Online International Conference on Advanced Computing (ICAC-2023) , 2nd & 3rd March 2023 (2023-03-02 - 2023-03-03)	



8. Organized 3 days Faculty Development Programme on Machine Learning 2019 (FDPML '19) from 30.01.2019 to 01.02.2019 (2019-01-30 - 2019-02-01)

Publications

International Journals - 65

65. Customer Churn Prediction using Deep Learning

International Journal of Engineering and Computer Science/ 27022-27029 (April 2025)

A Sherill Dr.R.Porkodi

64. A Study on Predicting House Prices With Deep Learning: An Evaluation of Advanced Neural Network

Models

International Journal for Science and Advance Research In Technology/83-91 (March 2025)

E.Devi Swetha, Dr.R.Porkodi

63. A Study on Type 2 Diabetes Prediction Using Deep Learning Techniques

International Journal for Science and Advance Research In Technology/317-325 (March 2025)

DR. R Porkodi K. Krishnaveni

62. Enhancing Student Academic Performance Prediction Through Feature Selection Techniques and Machine

Learning Algorithms

International Journal of Engineering and Computer Science/ 26907-26919 (March 2025)

Dr.R. Porkodi B. Nantheeswari

61. Educational Data Analysis and Classification using Deep Learning Techniques

Journal of Information Systems Engineering and Management (February 2025)

Dr. R. Porkodi SuginLal. G

60. A Study of Data Augmentation And Its Impact on Skin Cancer Detection Using Deep Learning Techniques

International Journal of Engineering and Computer Science/ 26842-26849 (February 2025)

Abikeerthana Dr. R. Porkodi

59. Assessment of Student Educational Performance Analysis for Feature Extraction and Classification with

LSTM-Based Deep Learning Model

International Journal of Intelligent Systems and Applications in Engineering (November 2023)

Dr. R. Porkodi G. SuginLal

58. A Study on CNN Architecture of Vggnet and Resnet Fordicom Image Classification

NeuroQuantology 20 (16), 2027-2037 (November 2022)

Dr. P. Haripriya, Dr. G. Parthiban, Dr.Porkodi

57. Parallel deep convolutional neural network for content based medical image retrieval

Journal of Ambient Intelligence and Humanized Computing, Vol.12 (May 2022)

P. Haripriya, R. Porkodi

56. Convalescing the Process of Ranking Metabolites for Diseases using Subcellular Localization

Arabian Journal for Science and Engineering (February 2022)

Vimalraj, S.S., RajenDran Dr.R.Porkodi

55. Convalescing the Process of Ranking Metabolites for Diseases using Subcellular Localization

Arab Journal for Science and Engineering, Vol. 47 (August 2021)

Vimalraj, S.S, Dr.R.Porkodi

54. A new fusion of mutual information and Otsu multilevel thresholding technique for hyperspectral band selection

Egyptian Informatics Journal, Vol.22, Issue.2 (July 2021)

N. Kavithasri, R. Porkodi

53. An Enhanced Dictionary based approach for identify the biomedical entities from PubMed Articles

Wulfenia journal, Vol. 28 (May 2021)

G.Suganya, Dr.R.Porkodi



52. A Study and Analysis of Biclustering Algorithms to Identify PPI Network and Significant Enrichments of Genes in Biclusters Based on Gene Ontology and KEGG Pathway Database

International Journal of Scientific & Technology Research, 9, 2525-2530 (September 2020)
N. Kavithasri, R. Porkodi

51. Analysis of Biomedical Entities extraction and classification using TensorFlow based on Neural Network

Solid State Technology, Vol. 6, 2020 (June 2020)
G. Suganya, R. Porkodi

50. Prediction and Analysis of Extracting Relations using Spacy Mode

International Journal of Recent Technology and Engineering, Vol. 8 (March 2020)
G. Suganya, R. Porkodi

49. The Unsupervised Gravitational Mass Weighted Probability PCA for Pixel-Wise and Sub-Pixel Wise Classification

International Journal Of Scientific & Technology Research Volume 9, Issue 02 (February 2020)
K. Nandhini, Dr. R. Porkodi

48. A Study and Analysis of Biclustering Algorithms to Identify PPI Network and Significant Enrichments of Genes in Biclusters Based on Gene Ontology and KEGG Pathway Database

International Journal Of Scientific & Technology Research Volume 9, Issue 01 (January 2020)
N.Kavithasri, Dr. R. Porkodi

47. An Insight Framework for Content Based Medical Image Retrieval using Deep Convolutional Neural Network

", International Journal of Engineering and Advanced Technology (IJEAT), Vol 9, Issue 1s (October 2019)
P. Haripriya, Dr. R. Porkodi

46. Hyperspectral Nonlinear Unmixing: Endmember Extracting using Iterative Simplex CNN Method

International Journal of Scientific & Technology Research Volume 8, Issue 10 (October 2019)
K. Nandhini, Dr. R. Porkodi

45. An Insight Framework for Content Based Medical Image Retrieval using Deep Convolutional Neural Network

International Journal of Engineering and Advanced Technology (IJEAT), Vol 9, Issue 1s (October 2019)
P. Haripriya, Dr. R. Porkodi

44. An Extensive Survey on Biclustering Approaches and Algorithms for Gene Expression Data

, International Journal of Scientific & Technology Research Volume 8, Issue 09 (September 2019)
N.Kavithasri, Dr. R. Porkodi

43. Study and Analysis of Gene-Protein Interactions from Pubmed Articles using Conditional Random Field- Named Entity Recognition Technique

International Journal Of Scientific & Technology Research Volume 8, Issue 09 (September 2019)
G. Suganya, Dr. R. Porkodi

42. Design of A Rule Based Biomedical Entity Extractor", International Journal of Engineering and Advanced Technology (IJEAT)

Vol 8, Issue 5S3 (July 2019)
G. Suganya, Dr. R. Porkodi

41. An Enhanced Framework for Content Based Medical Image Retrieval using Deep Neural Network

, International Journal of Engineering and Advanced Technology (IJEAT), Vol 8, Issue 5S3 (July 2019)
P. Haripriya, Dr. R. Porkodi

40. The Novel Gravitational Mass Weighted PCA Technique for Feature Extraction in Hyperspectral Data Classification

, International Journal of Engineering and Advanced Technology (IJEAT), Vol 8, Issue 5S3 (July 2019)
K. Nandhini, Dr. R. Porkodi



39. Analysis of Spectral Unmixing to Extract the Pure Pixels using Endmembers Determination Algorithms

, International Journal of Computational Intelligence and Informatics, Volume 8, Issue 4 (December 2018)
K. Nandhini, Dr. R. Porkodi

38. Design and Development of Automated Ontology from PubMed abstracts using Rule based approach

International Journal of Computational Intelligence and Informatics, Volume 8, Issue 3 (September 2018)
G. Suganya, Dr. R. Porkodi

37. A Study and Analysis of Content based medical Image Retrieval for DICOM images using Deep

Convolutional Neural Network

, International Journal of Computational Intelligence and Informatics, Volume 8, Issue 3 (September 2018)
P. Haripriya, Dr. R. Porkodi

36. A Study and Analysis of Decision Tree Based Classification algorithms using R”, International Journal of

Research in Advent Technology

Vol.6, No.7 (July 2018)
V.Saranya, Dr. R. Porkodi

35. A Study on Partition Clustering Algorithms Based on Internal Validation and Stability

IPASJ International Journal of Information Technology (IJIT), Volume 6, Issue 8 (June 2018)
K. Punitha, Dr. R. Porkodi

34. Comparative Study and Analysis of Classification Algorithms in Data Mining using Diabetic Dataset

Volume 4, Issue 2 (February 2018)
R.S.Suryakirani, R. Porkodi

33. Classification Algorithms in Data Mining: A Survey”, International Journal of Scientific Research in

Computer Science, Engineering and Information Technology

Volume 3, Issue 1 (February 2018)
C Parimala, R Porkodi

32. “Comparison of Clustering Algorithm”, International Journal of Scientific Research in Computer Science,

Engineering and Information Technology

Volume 3, Issue 1 (February 2018)
R Indhu, R Porkodi

31. Survey of Different Data Clustering Algorithms

IJSRST, Volume 4, Issue 2 (February 2018)
N Kavithasri, R Porkodi

30. A Study and Analysis of Association Rule Mining Algorithms In Data Mining

IJSRST, Volume 4, Issue 2 (February 2018)
N Yuvamathi, R Porkodi

29. Use of Data Mining Techniques to Improve the Effectiveness of Sales and Marketing

IJRASET, Vol 6, Issue 1 (January 2018)
K. Biruntha, R. Porkodi

28. Comparative Study and Analysis of Wholesale Customer's Dataset Using Association Rule Mining

IJRASET, Volume 6, Issue 1 (January 2018)
M. Vijay Kumar, R. Porkodi

27. A Survey on Different Association Rule Mining Algorithms in Data Mining

IPASJ IJCS, Vol 5, Issue 10 (October 2017)
R. Porkodi, P.Dhanalakshmi

26. A Survey on Cancer Classification using Data Mining Techniques”, International Journal of Emerging

Trends & Technology in Computer Science (IJETTCS)

Vol 6, Issue 5 (October 2017)
R.Porkodi, A.Daisy



25. A Survey on Text Mining Tools and Techniques, IPASJ International Journal of Computer Science (IJCS) 5 (7)

IPASJ International Journal of Computer Science (IJCS) 5 (7)pp-113-124 (July 2017)
G.Suganya, R. Porkodi

24. A Study and Analysis of Clustering Algorithms on Hiv-1 Infection Microarray Dataset for Finding Cluster Wise Common Genes, International Journal of Advanced Research in Computer Science 8 (5)

International Journal of Advanced Research in Computer Science 8 (5)pp-1632-1640 (June 2017)
M.S.Uma, Dr. R. Porkodi

23. An Efficient Storage and Retrieval of DICOM Objects using Big Data Technologies, International Journal of Advanced Research in Computer Science 8 (3)

International Journal of Advanced Research in Computer Science 8 (3)pp-271-275 (April 2017)
P Haripriya, R Porkodi

22. Spatial Classification and Prediction in Hyper spectral Remote Sensing Data using Random Forest by Tuning Parameters, International Journal of Advanced Research in Computer Science 8 (3)

International Journal of Advanced Research in Computer Science 8 (3),pp-259-266 (April 2017)
R.Porkodi, Nandhini K

21. Identifying Differentially Expressed Genes Involved in Signal Transduction Pathways in Breast Cancer Dataset Using K-Means Clustering and Kegg Pathway Analysis, International Journal Of Scientific Research And Education 5 (04)

International Journal Of Scientific Research And Education 5 (04),pp-6299-6308 (April 2017)
B Yaagasree, R Porkodi

20. Hierarchical Clustering of Differentially Expressed Genes using Up and Down Gene Regulation and Gene Enrichment Analysis in Alzheimer Disease Dataset, IPASJ International Journal of Computer Science (IJCS) 5 (1)

IPASJ International Journal of Computer Science (IJCS) 5 (1),5 (1), pp-1-10 (January 2017)
R.Porkodi, S.B.Ishwarya

19. A Study on Disease Subtypes to Identify Top Ranked Genes Discrimination and Building Gene Associated Networks of Obesity Microarray Dataset using Machine Learning and Statistical Methods,

IPASJ international journal of computer science(IJCS),pp-11-19 (January 2017)
R. Porkodi, S.Muthulakshmi

18. A Survey on Classification Algorithms in DataMining of Bioinformatics",

International Journal for Scientific Research & Development,Vol. 4, Issue 03 ,ISSN (online): 2321-0613. (June 2016)
S.Muthulakshmi, Dr.R.Porkodi

17. Survey on Disease Prediction Using Regression in Data Mining

International Journal of Advanced Research in Computer Science and Software Engineerin(IJARCSSE), Volume 6, Issue 3, 2016 (March 2016)
B. Yaagasree R. Porkodi

16. Hierarchical Clustering of Lung Cancer Microarray Dataset using Random Forest Algorithm based on GO Annotation

International Journal of Engineering Technology and Computer Research (IJETCR), Volume 3, Issue 6, 2015 (December 2015)
N.Poomani, Dr.R.Porkodi

15. Function and Pathway Analysis of Differentially Expressed Genes in Alzheimer's Disease Dataset Using Linear Regression Model

International Journal of Computer Science and Telecommunications (IJCST) , Volume 6, Issue 4, 2015. (December 2015)
R.Savitha, Dr.R.Porkodi



14. An Efficient Framework for Extracting Significant Associations among GO_Terms in Breast Cancer

Dataset Using Association Rule Mining by Apriori Algorithm

International Journal of Computer Science and Technology (IJCTST) , Volume 6, Issue 4, 2015. (December 2015)

P.Prithiviraj, Dr.R.Porkodi

13. A Comparative Study on Classification Algorithms in Data Mining Using Microarray Dataset of Colon

Cancer,

International Journal of Advanced Research in Computer Science and Software Engineering ,ISSN: 2277 128X Volume 5, Issue 5 (May 2015)

G. Suganya, Dr.R.Porkodi

12. An Overview of Text Mining Techniques and Methodologies used in Bioinformatics Domain

International Journal of Emerging Research in Management &Technology ISSN: 2278-9359 Volume 4, Issue 3, pp-67-75 (March 2015)

R.Savitha, Dr.R.Porkodi

11. A Survey on Microarray Gene Expression datasets in Clustering and Visualization Plots

International Journal of Emerging Research in Management &Technology ISSN: 2278-9359 Volume 4, Issue 3,pp-56-65 (March 2015)

T.Deepika, Dr.R.Porkodi

10. The Internet of Things (IoT) Applications and Communication Enabling Technology Standards: An

Overview, IEEE Explore,

IEEE International Publisher ISBN 978-1- 4799-3966-4 (March 2014)

Dr.R. Porkodi, Dr.V.Bhuvaneshwari

9. comparison of filter based feature selection algorithms: an overview,

International Journal of Innovative Research in Technology & Science (IJIRTS)ISSN: 2321-1156 | Volume 2, Issue2 (March 2014)

Dr.R.Porkodi

8. A Study on Performance Analysis of Data Mining Classification Algorithms over Lung Cancer Dataset,

IJRIT International Journal of Research in Information TechnologyVolume 2, Issue 3 (March 2014)

Dr.R.Porkodi

7. Design and Development of Methodology for Extracting Association Rules Among Entities from Medline

Abstracts,

Elsevier Publications 2013,ISBN: 978-93-5107-057 (April 2013)

R. Porkodi, Dr. B.L. Shivakumar

6. Design And Development Of Hybrid Approach For Constructing Gene/Protein Names Dictionary,

International Journal of Advanced Research in Computer Science (IJARCS),ISSN No. 0976-5697, Volume 3, No. 7, Nov-Dec 2012,pp. 66-76. (November 2012)

Dr.B.L. Shivakumar, R.Porkodi

5. Associations among entities related Alzheimer Disease using Ontology based approach, IOSR Journal of

Engineering (IOSRJEN)

ISSN: 2250-3021 Volume 2, Issue 8 (August 2012), pp. 21-32. (August 2012)

R.Porkodi , Dr.B.L. Shivakumar

4. Rule based approach for constructing Gene/Protein names Dictionary from Medline abstract,

International Journal of Advances in Computing and Information Technology (IJACIT)ISSN 2277-9140, Volume 1, Issue 4 (August 2012), pp. 457 (August 2012)

R.Porkodi , Dr.B.L. Shivakumar

3. Design and Development of Integrated Biomedical Ontology for Information Extraction from Medline

Abstracts, International Journal of Engineering Research and Development (IJERD)

International Journal of Engineering Research and Development (IJERD)ISSN: 2278-067X, Volume 1 (July 2012)

Dr.B.L. Shivakumar, R.Porkodi



2. Finding relationships among gene ontology terms in biological documents using Association Rule mining and GO annotations International Journal of Computer Science and Information Technology & Security (IJCSITS),

International Journal of Computer Science and Information Technology & Security (IJCSITS), ISSN: 2249-9555, Vol. 2, No.3, June 2012, pp. 542-550. (June 2012)

Dr.B.L. Shivakumar, R.Porkodi

1. An Improved Association Rule Mining Technique for Xml Data Using Xquery and Apriori Algorithm, Advance Computing Conference

IACC 2009. IEEE International, ISBN: 978-1-4244-2927-1, INSPEC Accession Number: 10556718, DigitalObject Identifier: 10.1109/IADCC.2009.4809242, Current Version Published: 2009-03-31 (March 2009)

Porkodi, R. Bhuvaneswari, V. Rajesh, R. Amudha

Conferences - 51

51. A Comparative Analysis of Machine Learning and Deep Learning Approaches in Bioinformatics

IEEE Xplore/944-949 (September 2024)

J Ramar, R Porkodi

50. Gene-Gene Interactions in Complex Diseases: Insights from GWAS, NGS, and Machine Learning Approaches

Proceedings of International Conference on Advanced Computing - ICAC – 2024 (September 2024)

Ramar. J, Dr. R. Porkodi

49. Comparative Analysis of Machine Learning Approach with Heart Attack Risk Prediction

Proceedings of International Conference on Advanced Computing - ICAC – 2024 (September 2024)

Manishanand. V, Dr. R. Porkodi

48. A Study on House Price Prediction using Machine Learning Algorithms

Proceedings of International Conference on Advanced Computing - ICAC – 2024 (September 2024)

E. Devi Swetha, Dr. R. Porkodi

47. A Study on Student Academic Performance Analysis using Educational Data Mining

Proceedings of International Conference on Advanced Computing - ICAC – 2024 (September 2024)

B. Nantheeswari, Dr. R. Porkodi

46. A Study on Type 2 Diabetes Prediction using Machine Learning Techniques

Proceedings of International Conference on Advanced Computing - ICAC – 2024 (September 2024)

K. Krishnaveni, Dr. R. Porkodi

45. Customer Churn Prediction using Data Mining

Proceedings of International Conference on Advanced Computing - ICAC – 2024 (September 2024)

A. Sherill, Dr. R. Porkodi

44. A Review on Lung Cancer Prediction using Machine Learning Techniques in Python

International Conference on Advanced Computing - ICAC – 2024 (September 2024)

M. Sathish Kumar, Dr. R. Porkodi

43. A Study of Skin Detection using Machine Learning Techniques

International Conference on Advanced Computing - ICAC – 2024 (September 2024)

A. Abikeerthana, Dr. R. Porkodi

42. Rule-Based, GAN, and Simulation: A Comparative Study of Synthetic Data Generation Methods for Real-World Application

Proceedings of International Conference on Advanced Computing - ICAC – 2024 (September 2024)

Sugin Ial. G, Dr. R. Porkodi

41. A Comparative Study of LSTM and GRU for Sentiment Analysis on US Airline Tweets

Proceedings of International Conference on Advanced Computing - ICAC – 2024 (September 2024)

C. Sakthi Bhavadharini, Dr. R. Porkodi



40. Feature Analysis and Automatic Word Segmentation of Natural Language Processing Using Deep Learning

IEEE Xplore/23-26 (September 2023)

G. S. Lal and R. Porkodi

39. A Study of Clustering Algorithm for MRI Image based Brain Tumor Detection, Proceeding of International Conference on Advanced Computing [ICAC-2023]

ISBN: 97893-91347-51-2 (March 2023)

P. Kalpana Devi, Dr. R. Porkodi

38. Comparative Analysis of Deep Learning Approach with Oversampling & Ensemble Techniques with using Recurrent Neural Network for Heart Failure Prediction, Proceeding of International Conference on Advanced Computing [ICAC-2023]

ISBN: 978-93-91347-51-2. (March 2023)

Marimuthu M, Dr. R. Porkodi

37. A Review on Lung Cancer Prediction using Machine Learning Techniques in Python, Proceeding of International Conference on Advanced Computing

ISBN: 97893-91347-51-2. (March 2023)

M Ravikumar, Dr. R. Porkodi

36. Comparative Analysis of Machine Learning Approaches with Outlier Detection for Travel Rating Dataset, Proceeding of International Conference on Advanced Computing [ICAC-2023]

ISBN: 978-93-91347-51-2. (March 2023)

Afreen Shifnaaz T, Dr. R. Porkodi

35. Rain Tumor Prediction using Classification Techniques, Proceeding of International Conference on Advanced Computing [ICAC-2023]

ISBN: 978-93-91347-51-2 (March 2023)

A. Balraj, Dr. R. Porkodi

34. Course Selection Based Educational Data Mining by Segmentation and Classification Using Machine Learning Techniques, Proceeding of International Conference on Advanced Computing [ICAC-2023]

ISBN: 978-93-91347-51-2 (March 2023)

G. Sugun Lal, Dr. R. Porkodi

33. A Survey on Machine Learning and Deep Learning Approaches in Bioinformatics, Proceeding of International Conference on Advanced Computing [ICAC-2023]

ISBN: 978-93-91347-51-2. (March 2023)

Ramar. J, Dr. R. Porkodi

32. Microdeletion and Microduplication in Prenatal Testing- a Survey, Proceeding of International Conference on Advanced Computing [ICAC-2023]

ISBN: 978-93-9134751-2 (March 2023)

S. Sandhiya, Dr. R. Porkodi

31. "Pest Monitoring and Detection Management Using IoT

Proceedings of 3rd National Conference on Advanced Computing- NCAC (January 2020)

S. Mounisha, Dr. R. Porkodi

30. Survey Paper on Implementation of Smart Garbage Monitoring System Using IoT

Proceedings of 3rd National Conference on Advanced Computing- NCAC (January 2020)

R. Harikrishnan, Dr. R. Porkodi

29. Review for Smart Water Quality Monitoring System by using IOT

Proceedings of 3rd National Conference on Advanced Computing- NCAC-2020 (January 2020)

A. Arul Priya, Dr. R. Porkodi,



28. A Review on IoT Based Weather Monitoring System in Agriculture

Proceedings of 3rd National Conference on Advanced Computing- NCAC-2020 on 23rd-24th Jan 2020, ISBN: 97893-89105-32-2 (January 2020)

R. Sneha, Dr. R. Porkodi

27. A Study on Weather Prediction Using Tree Based Classifiers

Proceedings of 3rd National Conference on Advanced Computing- NCAC-2020 on 23rd-24th Jan 2020, ISBN: 97893-89105-32-2 (January 2020)

V. Priyanka, Dr. R. Porkodi

26. Identifying Significant Gene Interaction Networks Using Machine Learning and Statistical Techniques

IEEE Explore (October 2019)

V. Saranya, Dr. R. Porkodi

25. Extraction of Co-Expressed Degr From Parkinson Disease Microarray Dataset Using Partition Based

Clustering Techniques

IEEE Explore (October 2019)

K. Punitha, Dr. R. Porkodi

24. The Novel Gravitational Mass Weighted PCA Technique for Feature Extraction in Hyperspectral Data

Classification

4th International Conference on Recent Trends in Engineering and Technology (St2019), St. Joseph's Institute of Technology, Chennai (May 2019)

K. Nandhini, Porkodi R

23. An Enhanced Framework for Content Based Medical Image Retrieval using Deep Neural Network

4th International Conference on Recent Trends in Engineering and Technology (St2019), St. Joseph's Institute of Technology, Chennai (May 2019)

P. Haripriya, Porkodi R

22. "Design of a Rule Based Bio Medical Entity Extractor"

4th International Conference on Recent Trends in Engineering and Technology (St2019), St. Joseph's Institute of Technology, Chennai (May 2019)

G. Suganya, Porkodi R

21. "Extraction of Co-Expressed DEGs from Parkinson Disease Microarray dataset using partition based

Clustering techniques

2019 Third IEEE International conference on Electrical, Computer and Communication Technologies (2019 IEEE ICECCT)20-22 Feb 2019, SVS College of Engineering (February 2019)

K. Punitha, Dr. R. Porkodi

20. Identifying significant Gene interaction networks using Machine Learning and Statistical Techniques

2019 Third IEEE International conference on Electrical, Computer and Communication Technologies (2019 IEEE ICECCT) on 20-22 Feb 2019, SVS College of Engineering (February 2019)

V. Saranya, Dr. R. Porkodi

19. "Analysis of Feature Extraction Techniques in Hyperspectral data

,Proceedings of the National Conference on Advanced Computing -NCAC-2019- 24-25Jan 2019. (January 2019)

K. Nandhini, Dr. R. Porkodi

18. A Review on Exploring the Relationships among the disease and Metabolites

Proceedings of the National Conference on Advanced Computing -NCAC-2019- 24-25 Jan 2019 (January 2019)

S. SpelmanVimalraj, Dr. R. Porkodi

17. "Identifying BioMedical Entities associations fromPubMed and Other related BioMedicalLiteratures:A

Review

Proceedings of the National Conference on Advanced Computing NCAC-2019 (January 2019)

G. Suganya, Dr. R. Porkodi

16. "A Review on Content Based Image Retrieval for Medical Images

Proceedings of the National Conference on Advanced Computing -NCAC-2019- 24-25 Jan 2019. (January 2019)

P.Haripriya, Dr. R. Porkodi



15. A Review on Clustering Techniques in Data Mining on five important application Domains

Proceedings of the National Conference on Advanced Computing -NCAC-201924-25 Jan 2019 (January 2019)
N. Kavithasri, Dr. R. Porkodi

14. "Building of Co-expression network of genes from Biomedical Dataset: A Review

Proceedings of the National Conference on Advanced Computing -NCAC-2019- 24-25 Jan 2019 (January 2019)
K. Punitha, Dr. R. Porkodi

13. A Review on Classification Techniques in Data Mining

Proceedings of the National Conference on Advanced Computing -NCAC-2019- 24-25 Jan 2019 (January 2019)
V. Saranya, Dr. R. Porkodi

12. Ontology Based Information Extraction - A Review

IEEE Explore (December 2018)
G. Suganya, Dr. R. Porkodi

11. "Extraction of Association Rules from Tobacco Smoke Effect on the Placenta Microarray Dataset using Gene Ontology Based Optimized Association Rule Mining

IEEE Explore (December 2018)
P.Dhanalakshmi, Dr. R. Porkodi

10. Classification of Human Cancer Diseases Gene Expression Profiles using Genetic Algorithm by Integrating Protein Protein Interactions Along with Gene Expression Profiles

IEEE Explore (December 2018)
A. Daisy, Dr. R. Porkodi

9. "A Review on Handling Imbalanced Data"

IEEE Explore (December 2018)
S.SpelmenVimalraj, Dr. R. Porkodi

8. Classification of Human Cancer Diseases Gene Expression Profiles using Genetic Algorithm by Integrating Protein Protein Interactions Along with Gene Expression Profiles

Proceeding of 2018 IEEE International Conference on Current Trends toward Converging Technologies, 2018 March 1-3rd .
(March 2018)
A. Daisy, Dr. R. Porkodi

7. A Review on Handling Imbalanced Data

, Proceeding of 2018 IEEE International Conference on Current Trends toward Converging Technologies, 2018 March 1-3rd.
(March 2018)
S.SpelmenVimalraj, Dr. R. Porkodi

6. Extraction of Association Rules from Tobacco Smoke Effect on the Placenta Microarray Dataset using Gene Ontology Based Optimized Association Rule Mining

Proceeding of 2018 IEEE International Conference on Current Trends toward Converging Technologies, 2018 March 1-3rd.
(March 2018)
P.Dhanalakshmi, Dr. R. Porkodi

5. Classifying Bladder and Prostate Cancer Datasets in R Using Data Mining Classification Algorithms: A Study

Proceedings of the National Conference on Advanced Computing-NCAC-2016- 22-23 September 2016 (September 2016)
S.B.Ishwarya, Dr.R.Porkodi

4. Feature Extraction for Protein Sequences using XQuery for Content Clustering

IEEE International Advance Computing Conference, Thapar University, Patiala, India, Mar 2009. ISBN: 978-981-08-2465-5.
(March 2009)
V. Bhuvaneswari, R. Porkodi

3. An Improved Association Rule Mining Technique for XML Data using XQUERY and Apriori Algorithm

IEEE International Advance Computing Conference, IEEE Delhi section, IEEE Computer Society Chapter and Thapar University, Patiala, India, Mar 2009. ISBN: 978981-08-2465-5. (March 2009)
R. Porkodi, V. Bhuvaneswari



2. A Study and Analysis of tools & techniques for POS Tagger and Chunker

Proceedings of international conference Soft Computing and Intelligent Systems [ICSCIS 2007], Jabalpur Engineering College, Jabalpur (December 2007)

Dr.R. Porkodi, R Rajesh

1. A Survey on Text Classification and Language analysis Tools

Proceedings of international conference Advanced Computing and Communication [ICACC 2007], IEEE sponsored, Sethu Institute of Technology (February 2007)

Dr.R.Porkodi, R Rajesh

Books/Chapters - 2

2. Research and Trends in Data Mining and Image processing: Technologies and Applications

Bloomsbury publishing India PVT. Ltd., New Delhi, 2014, ISBN: 978-93-84052-11-9 (April 2014)

R. Porkodi, S. Sarala, M. Sundararajan

1. Research Advances in cloud Computing and Computer Networks

Sri Sakthi Promotional Lithoprocess, Coimbatore, 2014, ISBN: 976-81-92330-60-0 (April 2014)

R. Porkodi, S. Sarala, M. Sundararajan

Projects

Completed - 1

1. A Methodology for automatic feature extraction, from Medline abstracts using hybrid approach UGC-MRP 1,90,000 (January 2010 - January 2013)

Ongoing - 1

1. Development of Neuro-Fuzzy System for IoT Sensor data to identify Stomach Cancer Diseases based on Exhaled gas from Humans RUSA 2.0 - BCTRC 12,88,000 (January 2021 - September 2025)