

## **Faculty Profile of Dr. R. Rajeswari**



**Dr. R. Rajeswari**  
**Professor**  
**Department of Computer Applications**

Email: rajeswari@buc.edu.in

Phone No: 0422 2428345

Mobile No: +91 9944126231

### **Research Area**

- Digital Image Processing
- Soft Computing
- Machine Learning

### **Education & Career**

#### **Education**

**Ph.D.**

Subject : Computer Science

Institution : Bharathiar University, Coimbatore

Affiliated University : Bharathiar University

Year of Award : 2012

**UGC-NET**

Year of Award : 2003

Register Number : E372304

**M.C.A.,**

Subject: Computer Applications

Institution : Madurai Kamaraj University, Madurai

Affiliated University : Madurai Kamaraj University

Year of Award : 2003

**B.Sc.,**

Subject: Computer Science

Institution: Seethalakshmi Ramaswami College, Trichy

Affiliated University: Bharathidasan University

Year of Award: 2000

**Career****At Bharathiar University (Reverse Order)**

Professor: April 2021 to Till Date

Associate Professor: April 2018 to April 2021

Assistant Professor: April 2005 to April 2018

**Past Experience**

Lecturer : June 2004 to April 2005 MCA Department, Fatima College, Madurai

**Awards****Membership**

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## Membership in Professional Bodies

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**1.Organization :** IEEE Computer Society

**Type of Membership :** Member – Annual (ID: 91153472)

**Period :** 2011- Till date

**2.Organization :** Computer Science Society

**Type of Membership :** Life Member (ID: I1504608)

**Period :** 2017-Till date

## Visits

## Collaborators

## Others

## Projects

Funded Projects (National Level)

- [Ongoing-01](#)
- [Completed-04](#)

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### 1. RUSA-BCTRC

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Intelligent decision support system to physicians for cancer diagnosis and personalized treatment planning

RUSA-BCTRC

2020-2022 (2 years)

Rs. 21,52,000/-

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### **1. RUSA-BEICH**

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Smart video surveillance system

RUSA-BEICH

Feb 2020 – Jun 2020 (6 months)

Rs, 5,00,000/-

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### **2. DST-ICPS**

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Design and Development of an Integrated Data Model, Knowledge Base and Dissemination

DST-ICPS

2018-2021 (3 years)

Rs. 60,46,000/-

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### **3. DST-BDTD**

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Design and development of continuous speech based text conversation assistant

DST-BDTD

2018-2020 (2 years)

Rs. 7,75,000/-

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### **4. UGC-MRP**

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Development of methodologies for hybrid image compression using soft computing techniques

UGC-MRP

2008-2010 (2 years)

Rs. 60,000/-

- [Ongoing](#)
- [Completed](#)

Ongoing Consultancy Project Information

Completed Consultancy Project Informations

## Research Guidance

- [Post Doc.](#)
- [Ph.D.](#)
- [M.Phil.](#)
- [M.Sc.](#)

Ongoing

Title

Name

Completed

Title

Name

Ongoing

**Name of the candidate :** Parvathi P

**Title of the Thesis :** Machine learning based methodologies for lung nodule detection from computed tomography images

**Status:** Synopsis Submitted

**Year of Award :**

**Name of the candidate :** Jean Effil N

**Title of the Thesis :** Noninvasive measurement of vital health signs from

photoplethysmography signals

**Status:** Synopsis Submitted

**Year of Award :**

**Name of the candidate :** Praveen K

**Title of the Thesis :** Machine learning based techniques for lung cancer detection from computed tomography images

**Status:** Ongoing

**Year of Award :**

**Name of the candidate :** Vishnupriya P

**Title of the Thesis :** Noninvasive measurement of glucose levels from photoplethysmography signals

**Status:** Ongoing

**Year of Award :**

**Name of the candidate :** Saranya S

**Title of the Thesis :** Deep learning based methodologies for lung cancer detection

**Status:** Ongoing

**Year of Award :**

Completed

**Name of the candidate :** Sukanya A

**Title of the Thesis :** Design and development of an effective methodology using vesselness measure for coronary artery segmentation and calcium quantification

**Year of Award :** 2020

**Name of the candidate :** Ramya P

**Title of the Thesis :** Design and development of methodologies for human action recognition in videos using machine learning techniques

**Year of Award :** 2022

**Name of the candidate :** Sherin A

**Title of the Thesis :** Design and development of computational intelligence techniques for diagnosis of Alzheimer's disease using brain images

**Year of Award :** 2022

Ongoing

Sample Data.

Completed

**1.Name of the candidate :** A. Monisha Bharathi

**Title of the Thesis :** Implementation of partial least squares based computer aided diagnosis system for Alzheimer's disease

**Year of Award :** December 2014

**2.Name of the candidate :** S. Kavitha

**Title of the Thesis :** Implementation of fuzzy logic based ant colony optimization for edge detection in images

**Year of Award :** December 2014

**3.Name of the candidate :** G. Aiswariya

**Title of the Thesis :** Study and implementation of image segmentation technique using genetic algorithm

**Year of Award :** January 2015

**4.Name of the candidate :** A. Sukanya

**Title of the Thesis :** Study and implementation of neural network based segmentation techniques for microarray images

**Year of Award :** January 2015

**5.Name of the candidate :** C. Bharathi

**Title of the Thesis :** A fuzzy logic based thresholding for background subtraction in video sequences

**Year of Award :** March 2016

**6.Name of the candidate :** V. Punitha

**Title of the Thesis :** A hybrid partial least squares and linear discriminant analysis based techniques for computer aided diagnosis of Alzheimer's disease

**Year of Award :** March 2016

**7.Name of the candidate :** A. Sofia Mehraj

**Title of the Thesis :** A content-based biomedical image retrieval system using texture and color features

**Year of Award :** March 2016

**8.Name of the candidate :** D. G. Adeelah

**Title of the Thesis :** A comparative study of particle swarm optimization and fuzzy c-means clustering for image segmentation

**Year of Award :** March 2016

**9.Name of the candidate :** M. Akila

**Title of the Thesis :** Human action recognition using SURF and HOG features from video sequences

**Year of Award :** March 2017

**10.Name of the candidate :** S. Saranya

**Title of the Thesis :** Computer aided diagnosis of autism spectrum disorder using cortical thickness measures from structural magnetic resonance images

**Year of Award :** March 2017

**11.Name of the candidate :** E. Sridhar

**Title of the Thesis :** Land cover classification of remote sensing images using texture and entropy features

**Year of Award :** March 2017

**12.Name of the candidate :** M. Thangamani

**Title of the Thesis :** Development of smartphone based heart rate measurement techniques using color models

**Year of Award :** March 2018

**13.Name of the candidate :** Veena B

**Title of the Thesis :** Identification of hard exudates in retinal images using maximally stable extremal region detector

**Year of Award :** March 2019

**14.Name of the candidate :** Jeevitha S

**Title of the Thesis :** Human detection using MSE and SURF features from images

**Year of Award :** March 2019

**15.Name of the candidate :** Vinitha B

**Title of the Thesis :** Development of photoplethysmography based heart rate measurement system

**Year of Award :** March 2019



**16.Name of the candidate :** Praveen K

**Title of the Thesis :** Design and development of machine learning based techniques for diagnosis of autism from brain images

**Year of Award :** February 2020

**17.Name of the candidate :** Vishnupriya P

**Title of the Thesis :** Design and development of a methodology for anomalous human activity recognition from video sequences

**Year of Award :** 2021

Ongoing

**Name of the candidate :** Janaranjani R

**Name of the candidate :** Dhinakaran T

**Name of the candidate :** Aiswarya S

**Name of the candidate :** Sharan Prakash A

**Name of the candidate :** Pradeep M

**Name of the candidate :** Keerthana A

**Name of the candidate :** Barath Gowtham S

**Name of the candidate :** Bharaniprabha H

**Name of the candidate :** Vishal M

**Name of the candidate :** Savitha K

**Name of the candidate :** Ragavi R T

**Name of the candidate :** Gurushiya S P

Completed

**Name of the candidate :** ArunMozhi B

**Title of the Thesis :** Web Application Penetration Testing

**Year of Award :** June 2022

**Name of the candidate :** Malleeswari G

**Title of the Thesis :** Price Prediction

**Year of Award :** June 2022

**Name of the candidate :** Vigneshwari L

**Title of the Thesis :** Plant Disease Prediction using Streamlit App

**Year of Award :** June 2022

**Name of the candidate :** Sarveshwaran B

**Title of the Thesis :** Optimal Time for Flight Pricing

**Year of Award :** June 2022

**Name of the candidate :** Abinash Mohanty

**Title of the Thesis :** Time Series Forecasting using Python

**Year of Award :** June 2022

**Name of the candidate :** Saravanan R

**Title of the Thesis :** Virtual Classroom

**Year of Award :** June 2022

**Name of the candidate :** Kalpana

**Title of the Thesis :** The Online Monogram Shopping Portal

**Year of Award :** June 2022

**Name of the candidate :** Shanmugam P

**Title of the Thesis :** The Star in Me: Web Application for Women Growth and Development

**Year of Award :** June 2022

**Name of the candidate :** Sathiskumar S

**Title of the Thesis :** Mobile App for Supermarket Management

**Year of Award :** June 2022

**Name of the candidate :** Madhuhasini N

**Title of the Thesis :** Service Registration System

**Year of Award :** June 2022

**Name of the candidate :** Deepika S

**Title of the Thesis :** Support System for Chronic Kidney Disease Prediction using Fuzzy Logic and Feature Selection

**Year of Award :** June 2022

**Name of the candidate :** Manoj S A  
**Title of the Thesis :** Task Progress Tracker  
**Year of Award :** March 2022

**Name of the candidate :** Ranjani R  
**Title of the Thesis :** Green House Monitoring System using IoT  
**Year of Award :** April 2021

**Name of the candidate :** Kiruthiga M  
**Title of the Thesis :** Adverse Drug Reaction Analysis using Support Vector Machine  
**Year of Award :** April 2021

**Name of the candidate :** Ebenezer Sebastin V  
**Title of the Thesis :** Conversion of Sign Language to Text  
**Year of Award :** April 2021

**Name of the candidate :** Vignesh S  
**Title of the Thesis :** Artificial Intelligence and COVID-19: Deep Learning Approaches for Diagnosis and Treatment  
**Year of Award :** April 2021

**Name of the candidate :** Pavithra Manjari N  
**Title of the Thesis :** Web Application for Crime Reporting  
**Year of Award :** April 2021

**Name of the candidate :** Harikrishna  
**Title of the Thesis :** News Portal  
**Year of Award :** April 2021

**Name of the candidate :** Shalini R  
**Title of the Thesis :** Performance Analysis of Student Feedback using Machine Learning Algorithms  
**Year of Award :** April 2021

**Name of the candidate :** Naveen Kumar J  
**Title of the Thesis :** Medicine Reminder System  
**Year of Award :** April 2021

**Name of the candidate :** Dinesh Kumar K  
**Title of the Thesis :** Online Blood and Organ Donation Management System

**Year of Award :**April 2021

**Name of the candidate :** Sineha K

**Title of the Thesis :** E-Zone Shopping System

**Year of Award :**April 2021

**Name of the candidate :** Patnala Yuvaraj

**Title of the Thesis :** Multi Model LSTM Network to Predict Personality Trait

**Year of Award :**April 2020

**Name of the candidate :** Kalindindi Nandini

**Title of the Thesis :** Bitcoin Price Prediction using Time Series Analysis

**Year of Award :**April 2020

**Name of the candidate :** Aspin C

**Title of the Thesis :** Chatbot using BERT and FLASK

**Year of Award :**April 2020

**Name of the candidate :** Sneha Sanker

**Title of the Thesis :** Student Skill Evaluation System

**Year of Award :**April 2020

**Name of the candidate :** Karthick A

**Title of the Thesis :** Online Courier Management System

**Year of Award :**April 2020

**Name of the candidate :** Anandhi S

**Title of the Thesis :** Package Space Finder

**Year of Award :**April 2020

**Name of the candidate :** Shanmuga Aswinth P

**Title of the Thesis :** Claims Management System

**Year of Award :**April 2020

**Name of the candidate :** Karthikeyani M.

**Title of the Thesis :** Secured Method for Credit Card Bill Payment

**Year of Award :**April 2020

**Name of the candidate :** Sivakumar S

**Title of the Thesis :** Hostel Management System

**Year of Award :**April 2020

**Name of the candidate :** Vijayamanikandan N.

**Title of the Thesis :** An efficient voice recognizer for smartphones

**Year of Award :** April 2019

**Name of the candidate :** Rajesh Kumar M.

**Title of the Thesis :** Online grocery management system

**Year of Award :** April 2019

**Name of the candidate :** Chandru S

**Title of the Thesis :** Web based management system for blood donation

**Year of Award :** April 2019

**Name of the candidate :** Mythili R

**Title of the Thesis :** Online college admission management system

**Year of Award :** April 2019

**Name of the candidate :** Kalieshwari M

**Title of the Thesis :** Car wash management system

**Year of Award :** April 2019

**Name of the candidate :** Meena B.

**Title of the Thesis :** Heart disease prediction using Naive Bayes classifier

**Year of Award :** April 2019

**Name of the candidate :** Aanoor Karthika M.

**Title of the Thesis :** Speech recognition techniques for stuttered speech: a comparative study

**Year of Award :** April 2019

**Name of the candidate :** Sathiyapriya R

**Title of the Thesis :** Privacy protection of users data against inference attacks

**Year of Award :** April 2019

**Name of the candidate :** Mythili T

**Title of the Thesis :** Multi-label classification and tags prediction using natural language processing

**Year of Award :** April 2019

**Name of the candidate :** Karthikeyan P

**Title of the Thesis :** Analytics in in-vitro fertility

**Year of Award :** April 2019

**Name of the candidate :** Nandu S

**Title of the Thesis :** Speech recognition for people with speech disorders

**Year of Award :** April 2018

**Name of the candidate :** Mohana V

**Title of the Thesis :** Tourism management system

**Year of Award :** April 2018

**Name of the candidate :** Moulini A

**Title of the Thesis :** Three dimensional reconstruction using stereo images

**Year of Award :** April 2018

**Name of the candidate :** Nandhakumar S

**Title of the Thesis :** Web portal for real estate management

**Year of Award :** April 2018

**Name of the candidate :** Ramya K

**Title of the Thesis :** Web portal for placement management

**Year of Award :** April 2018

**Name of the candidate :** Sandhiya D

**Title of the Thesis :** Online art gallery system

**Year of Award :** April 2018

**Name of the candidate :** Praveen K

**Title of the Thesis :** Computer aided diagnosis for autism spectrum disorders using structural and functional magnetic resonance images

**Year of Award :** April 2017

**Name of the candidate :**Joshva Jabaseelan N

**Title of the Thesis :**Packet marking with dynamic deterministic on IP tracing

**Year of Award :** :April 2017

**Name of the candidate :** Nishanthi G

**Title of the Thesis :**Optimized search engine for Pasumai Pharmacy

**Year of Award :** April 2017

**Name of the candidate :**Nathiya

**Title of the Thesis :**Pharmacy management system for Shivashakthi Medicals

**Year of Award :**April 2017

**Name of the candidate :**Pavithra K

**Title of the Thesis :** Employee leave reporting system

**Year of Award :** April 2017

**Name of the candidate :**Priya S

**Title of the Thesis :**E-property: A website for real estate management

**Year of Award :** April 2017

**Name of the candidate :**Prasanth K

**Title of the Thesis :**Human resource management system

**Year of Award :** :April 2017

**Name of the candidate :**Paneer R

**Title of the Thesis :**Sentiment analysis of reviews for online shopping websites

**Year of Award :** :April 2017

**Name of the candidate :**Mary Sheeba X

**Title of the Thesis :**Diagnostic center management system

**Year of Award :**April 2016

**Name of the candidate :** Prabhu K

**Title of the Thesis :** Electrical shop management system

**Year of Award :** :April 2016

**Name of the candidate :**Preethi K

**Title of the Thesis :**Rice mill management system

**Year of Award :** :April 2016

**Name of the candidate :** Narmadha V

**Title of the Thesis :**Spinning mill management system

**Year of Award :** :April 2016

**Name of the candidate :**Nandhini A

**Title of the Thesis :** Web based surgical equipment service administration

**Year of Award :** :April 2016

**Name of the candidate :**Nanthini Devi S

**Title of the Thesis :**Spare parts maintenance system of Bimetal Bearings Limited

**Year of Award :** :April 2016

**Name of the candidate :**Praveen Raj R  
**Title of the Thesis :**Motive Exams: An online exam portal  
**Year of Award :** April 2016

**Name of the candidate :** Mithilesh Kumar  
**Title of the Thesis :** Coaching management system  
**Year of Award :** :April 2015

**Name of the candidate :** Praveen Kumar T  
**Title of the Thesis :**Human resource management system  
**Year of Award :** :April 2015

**Name of the candidate :**Sambath S  
**Title of the Thesis :**Warehousing and billing system  
**Year of Award :** April 2015

**Name of the candidate :**Sankaralingam C  
**Title of the Thesis :**Mobile task management system  
**Year of Award :** :April 2015

**Name of the candidate :**Chandra Prakash  
**Title of the Thesis :**Super market management system with distributed databases  
**Year of Award :** April 2015

**Name of the candidate :**Dipak Kumar Mishra  
**Title of the Thesis :** Bug tracking system  
**Year of Award :** April 2015

**Name of the candidate :**Keerthika R  
**Title of the Thesis :**Rice mill management system  
**Year of Award :** April 2015

**Name of the candidate :**Manikandan A  
**Title of the Thesis :** Hotel management system  
**Year of Award :** April 2015

**Name of the candidate :** Pushpalatha S  
**Title of the Thesis :**Visitor pass management system  
**Year of Award :** :April 2015



**Name of the candidate :**Pushpalatha S

**Title of the Thesis :**Wholesale and retail management system in Orange Super Mart

**Year of Award :** April 2015

**Name of the candidate :**Rangaraj S K

**Title of the Thesis :**Mingle spot

**Year of Award :** :April 2014

**Name of the candidate :**Rohini M

**Title of the Thesis :**Audit computing system using Orgsoft Version 1.0

**Year of Award :** :April 2014

**Name of the candidate :**Yuganya S

**Title of the Thesis :**Application Project on intelligent resource management system

**Year of Award :**April 2014

**Name of the candidate :**Saranya M

**Title of the Thesis :**Mobile rotary application

**Year of Award :**April 2014

**Name of the candidate :**Sabeena S

**Title of the Thesis :**Mobile expense tracker application

**Year of Award :** :April 2014

**Name of the candidate :**Sabarinath G

**Title of the Thesis :**Yellow Pages: Web portal for classified advertisement

**Year of Award :**April 2014

**Name of the candidate :**Rakesh Babu T

**Title of the Thesis :**Fibre production system

**Year of Award :**April 2014

**Name of the candidate :**Prithviraj S

**Title of the Thesis :**Edifice managerial scheme

**Year of Award :**April 2014

**Name of the candidate :**Pramita M Nair

**Title of the Thesis :** Graphical password authentication using recall based technique

**Year of Award :**April 2014

**Name of the candidate :** Ragavi K

**Title of the Thesis :**Online TV shows portal system

**Year of Award :** April 2014

**Name of the candidate :** Ramkumar M

**Title of the Thesis :** Professional financial planner and analyst with budget estimation

**Year of Award :**April 2014

**Name of the candidate :** Sangeetha T

**Title of the Thesis :**Predicting missing items in shopping carts using Dempster-Shafer theory

**Year of Award :** April 2014

**Name of the candidate :**Prabhu S

**Title of the Thesis :**Improved data security by verifying computation of data in cloud

**Year of Award :** April 2014

**Name of the candidate :**Sabeena A S

**Title of the Thesis :**Mobile expense tracker application

**Year of Award :**April 2014

**Name of the candidate :**Ramalakshmi M

**Title of the Thesis :**Bug tracking system

**Year of Award :**April 2014

**Name of the candidate :**Saranya G

**Title of the Thesis :**Virtual card creation for secured online purchasing

**Year of Award :** April 2014

**Name of the candidate :** Saranraj J

**Title of the Thesis :** Personalized mobile search engine

**Year of Award :**April 2014

**Name of the candidate :**Senthilmurugan S

**Title of the Thesis :**A log based approach to make digital forensic easier on cloud computing

**Year of Award :**April 2014

## **Research Publication**

- [International](#)
- [National](#)
- [Patents](#)
- [Conferences](#)
- [Books / Chapters](#)
- [Database](#)

2022

46. [Dysarthric speech recognition using variational mode decomposition and convolutional neural networks](#)

R. Rajeswari, T. Devi and R. Shalini

Wireless Personal Communications, 122, 293 – 397 (2022)

45. [Wavelet scattering transform and long short-term memory network-based noninvasive blood pressure estimation from photoplethysmograph signals](#)

N. Jean Effil and R. Rajeswari

Signal, Image and Video Processing, 16, 1 – 9 (2022)

2021 - 2001

44. [A study on detection of COVID-19 in lung CT images using transfer learning with ResNet pre-trained model](#)

R. Rajeswari

International Journal of Innovative Research in Computer Science & Technology, 9, 28 – 34 (2021)

43. [Computer aided diagnosis system for Alzheimer's disease using positron emission tomography images](#)

A. Sherin and R. Rajeswari

Interdisciplinary Sciences: Computational Life Sciences (SCIE) (2021) (In Press)

42. [Human action recognition using distance transform and entropy based features](#)

P. Ramya and R. Rajeswari

Multimedia Tools and Applications (SCIE), 80, 8147-8173 (2021)

41. [Region based coronary artery segmentation using modified Frangi's vesselness measure](#)

A. Sukanya, R. Rajeswari and K. Subramaniam Murugan

International Journal of Imaging Systems and Technology (SCIE), 30, 716 – 730 (2020)

40. [Human detection using maximally stable extremal region and speeded-up robust features from images](#)

S. Jeevitha and R. Rajeswari R.

International Journal of Scientific & Technology Research, 7, 2498 – 2503 (2020)

39. [A silhouette based human action recognition technique using deep stacked auto encoder](#)

P. Ramya and R. Rajeswari

Journal of Advanced Research in Dynamical and Control Systems (Scopus), 12, 104 – 112 (2020)

38. [Fuzzy C-Means and Antlion optimization based segmentation of juxtapleural lung nodules](#)

P. Parvathi and R. Rajeswari

International Journal of Recent Technology and Engineering, 8, 1041-1048 (2020)

37. [Diagnosis of autism using voxel based morphometry features of brain images](#)

K. Praveen and R. Rajeswari

International Journal of Scientific & Technology Research, 9, 5975 – 5978 (2020)

36. [A survey on abnormal human object detection in video surveillance system](#)

P. Vishnu Priya and R. Rajeswari

International Journal of Advance Research and Innovative Ideas in Education, 6, 1905 – 1910 (2020)

35. [On the performance comparison of color models for calculation of heart rate using smartphones](#)

R. Rajeswari

International Research Journal of Modernization in Engineering Technology

and Science, 2, 786 – 790 (2020)

34. [A modified Frangi's vesselness measure based on gradient and grayscale values for coronary artery detection](#)

A. Sukanya and R. Rajeswari

Journal of Intelligent & Fuzzy Systems (SCIE), 37, 2327 – 2336 (2019)

33. ['Enhancement of Coronary Blood Vessels based on Frangi's Vesselness Filter and Morphological Operations](#)

Sukanya A. and Rajeswari R. (2019)

International Journal of Innovative Technology and Exploring Engineering, 8, 274 – 281 (2019)

32. [Diagnosis of Alzheimer's disease using wavelet transform and artificial neural network](#)

A. Sherin and R. Rajeswari

Journal of Advanced Research in Dynamical and Control Systems (Scopus), 11, 1224 – 1230 (2019)

31. [Heart rate monitoring using peak detection in photoplethysmography signals of fingertip images captured using smartphone](#)

N. Jean Effil and R. Rajeswari

International Journal of Recent Technology and Engineering, 8, 3131 – 3137 (2019)

30. [Development of photoplethysmography based heart rate measurement system](#)

B. Vinitha and R. Rajeswari

International Journal of Research and Analytical Reviews, 6, 707 – 710 (2019)

29. [Computer aided diagnosis of diabetic retinopathy: A survey](#)

B. Veena and R. Rajeswari

International Journal of Research and Analytical Reviews, 5, 804 - 808 (2018)

28. [Noninvasive Measurement of Blood Pressure from PPG Signals- An Overview](#)

N. Jean Effil and R. Rajeswari

Journal of Applied Science and Computations, 5, 1064-1067 (2019)

27. [A comparative survey of feature extraction and classification techniques for early diagnosis of Alzheimer's disease](#)

A. Sherin and R. Rajeswari

International Journal of Advanced Research in Computer Science, 9, 135-144 (2018)

26. [A review of crowd counting techniques](#)

S. Jeevitha and R. Rajeswari

International Journal of Research and Analytical Reviews, 5, 1343-1348 (2018)

25. [Performance evaluation of descriptors extracted by MSER detector for human action recognition](#)

R. Rajeswari and P. Ramya

International Journal of Computational Intelligence and Informatics, 8, 76 – 84 (2018)

24. [Cardiac vessel extraction-a review](#)

A. Sukanya and R. Rajeswari

International Journal of Creative Research Thoughts, 6, 2139-2145 (2018)

23. [Human action recognition using SURF and HOG features from video sequences](#)

M. Akila and R. Rajeswari

International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 2, 1259 – 1264 (2017)

22. [Compression of images using hierarchical correlation of wavelet coefficients in support vector machine regression](#)

R. Rajeswari

International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 6, 1254 – 1258 (2017)

21. [Land cover classification in remote sensing images: A survey](#)

E. Sridhar and R. Rajeswari

International Journal of Advanced Research in Basic Engineering Sciences and Technology, 2, 147 – 152 (2016)

20. [Human action recognition techniques – A survey](#)

M. Akila and R. Rajeswari

International Journal of Advanced Research in Basic Engineering Sciences and Technology, 2, 141 – 146 (2016)

19. [Diagnosis of autism spectrum disorder \(ASD\) using principal component analysis \(PCA\)](#)  
S. Saranya and R. Rajeswari  
International Journal of Advanced Research in Basic Engineering Sciences and Technology, 2, 136 – 140 (2016)
18. [Computer aided diagnosis of cancer – A survey](#)  
P. Parvathi and R. Rajeswari  
International Journal of Advanced Research in Basic Engineering Sciences and Technology, 2, 123 – 129 (2016)
17. [Cardiovascular disease diagnosis using imaging biomarkers – A survey](#)  
A. Sukanya and R. Rajeswari  
International Journal of Advanced Research in Basic Engineering Sciences and Technology, 2, 130 – 135 (2016)
16. [A modified frame difference method using correlation coefficient for background subtraction](#)  
P. Ramya and R. Rajeswari  
Procedia Computer Science (Scopus), 93, 478 – 485 (2016)
15. [A threshold using fuzzy logic for background subtraction of video sequences](#)  
R. Rajeswari  
International Journal of Scientific Research, 5, 20 – 22 (2016)
14. [Predicting Toxicity of Nanomaterials Using QSAR Methods: A Review](#)  
R. Rajeswari and R. Jothilakshmi  
Materials Focus (ESCI), 5, 335 – 341 (2016)
13. [A novel background subtraction using canonical correlation analysis](#)  
P. Ramya and R. Rajeswari  
Proceedings of 2016 International Conference on Advances in Computer Applications (Scopus), 377-380 (2016)
12. [A hybrid FCM-ALO based technique for image segmentation](#)  
P. Parvathi and R. Rajeswari  
Proceedings of 2016 International Conference on Advances in Computer Applications (Scopus), 342 – 345 (2016)

11. [Magnetic Nanoparticles as Drug Carriers: Review](#)

R. Rajeswari and R. Jothilakshmi

Material Science Forum, 807, 1 – 12 (2015)

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