Résumé

Karhe Rajesh Ramdas
Mobile : 9423185359
Email : rajeshkarhe@yahoo.com

Objective :

- Seeking a position to utilize my skills and abilities in our esteemed institute that offers security and Professional growth while being resourceful, innovative and flexible.

Personal Skills :

- Comprehensive problem solving abilities

- Willingness to learn

- Excellent Verbal communication skills.

Educational Qualification :

- **Submitted Ph.D.** to Shri. Sant Gadgebaba Amravati University, Amravati.

  Under the Guidance of Dr. S N Kale on the title

  "Classification of Cardiac Arrhythmia from Old Documented ECG signal:Neural Network Approach"

- **Master of Engineering (Electronics Engineering)**

  2005 from Shri Sant Gadgebaba Amravati University, Amravati

- **Master of Business administration**

  1997, from North Maharashtra University, Jalgaon

- **Bachelor of Engineering (Electronics Engineering)**

  1994 from Pune University, Pune

M.E. Dissertation :

- Self Organizing QRS wave Recognition in ECG using Neutral Network.

Position & Experience :

- More than 26 years experience (U.G.)

  More than 10 years experience as a P.G. Teacher (2011 to till date)

- **Head of the Department of E&TC Engineering.**

  Shri Gulabrao Deokar College of Engg., from 24.08.2016 to till date.

- **M.E. Coordinator – Dept. of Electronics and Telecommunication Engg.**

  Shri Gulabrao Deokar College of Engg., from 06.08.2011 to till date

- **Associate Professor in Dept. of Electronics and Telecommunication Engg**.
  Shri Gulabrao Deokar College of Engg., from 01.08.2011 to till date

- o **Assistant Professor in Dept. of Electronics and Telecommunication Engg.** Shri Gulabrao Deokar College of Engg., from 17.06.2006 to 31.07.2012

- o **Lecturer in Department of Electronics and Telecommunication Engg**. Shri Gulabrao Deokar College of Engg., from 09 Aug. 1995 to 16.06.2016.

- o Worked as **Lecturer** in **Shri Sant Muktabai Institute of Technology, Jalgaon** for the period of 11 years from 9 Aug. 1995 to 16 June 2006.

- o **Visiting Faculty in Govt. College of Engineering, Jalgaon**

  Govt. College of Engineering, Jalgaon (2001 to till date)

Recognized P.G. Teacher for North Maharashtra University, Jalgaon:

- o Guided more than 60 U.G. Students project

- o Guided more than 20 P.G. Students project.

Teaching Effectiveness and Responsibility held:

- o Successful and innovative teacher, both at undergraduate and Post Graduate levels with students evaluation consistently outstanding.

- o Actively Participate in Syllabus reconstructing of Master of Engg. and Bachelor of Engg. for NMU, Jalgaon.

- o Worked in various capacities as Chairman/ Member/ Chief-coordinator/ Coordinator/ Incharge for various committees and activities of Shri Gulabrao Deokar College of Engineering, Jalgaon like – Extra co-curricular activities, Test Examination, Admission, Planning and Development.

Member Expert Committee :

- o P.G. Project evaluation committee of North Maharashtra University.

- o On the Examiner Panel for Evaluation of M.E. Thesis at Pune University.

- o Delivered Expert, Counseling, Lectures in various colleges.

Contribution to Education :

- o **Foundation and Establishment of Department and Courses.**
  - M.E. Electronics and Telecommunication
  - M.B.A.

- o **Courses taught at Post Graduate Level**
  - Advanced Digital Signal Processing.
  - Antenna theory and Design

○ **Courses taught at Under Graduate Level**

-	Digital Signal Processing	-	Communication systems
-	Satellite Communication	-	Automotive Instrumentation
-	Electronic Measurement	-	Digital Electronics.
-	Signal and Systems	-	Analog Electronics.

Membership
○ ISTE Life member

Workshop Attended :

1 ISTE program on " C Programming" conducted by Govt. Polytechnic Jalgaon during 10.07.1998 (Two Weeks).

2 Two day's National Workshop on " Application of Digital Signal Processing with "MATLAB" conducted by J.T.Mahajan College of Engineering. Faizpur, 11-12 september,2004

3 ISTE program on " Digital system design using VLSI Techniques" Conducted by Prof: Ram Meghe Institute of Technology " Research Badnera, Amravati. During March 20-24, 2007.

4 "Modem Communication System" held by AICT sponsored by Shri Sant Gajanan Maharaj College of Engineering, Shegaon, from 18 June to 22 June 2007 (one week).

5 "Workshop on advance Communication, Embedded system, Image Processing, and VLSI". Held by S.S.V.P.S., Dhule from 26th July to 28 July 2007 (Three days).

6 "Computer Networks Using Network Simulator-NETSIM" held by Maharashtra academy of Engg. Alandi, Pune from 17 August to 18 August 2007 (two days).

7 ISTE program on "MATLAB Programming" Conducted by K.C.E. Jalgaon (one week). (From 14.04.2008 to 18.04.2008)

8 ISTE program on "Digital Signal Processing Using MATLAB" Conducted by Prof. Ram Meghe, Institute of Technology & Research Badnera, Amravati (One Week) (From Aptil 21-25, 2008)

9 ISTE program on "Emerging Trends in Digital Signal Processing And Communication" Conducted by C.O.E.T. Jalgaon (One Week). (From 30th March to 3rd April, 2009)

10 AMMI Program on "Current Trends in Management" conducted by Institute of Management and Research, Jalgaon (From 30-31 July, 2010)

11 One week Workshop on "Research Methodology" for faculty of Engineering and Technology, held on   22th -26th December 2010 at SSVPS College of Engineering,Dhule

12 A Workshop on "Research Methodologies in Biomedical Engineering" at AISSMS Institute of Information Technology 3th -4th march 2011,Pune

13 One day Workshop on "Syllabus Framing of M.E.(VLSI & Embedded system Design) " for faculty of Engineering and Technology, at Godavari College of Engineering, Jalgaon held on 08th August 2011.

14 One day Workshop on "Syllabus Structure Framing" for faculty of Engineering and Technology, NMU, Jalgaon held on 11th Feb at R. C. Patel Institute of Technology, Shirpur.

15 One day Workshop on Syllabus framing of Second year Electronics and Telecommunication for North Maharashtra University, Jalgaon conducted by Department of Electronics and Telecommunication Engineering on 20th Oct., 2012 at SSBT's College of Engineering and Technology, Bambhori, Jalgaon.

16 A Workshop on "Advances in Power Electronics and its Applications" conducted by Department of Electronics and Telecommunication on 15th & 16th March, 2012 at SSBT's College of Engineering and Technology, Bambhori, Jalgaon.

17 One day Workshop on "Syllabus framing of Elements of Electrical &Electronics Engineering"   of First year (Communication) for North Maharashtra University, Jalgaon conducted by Dept. of E&TC on 28th March, 2012 at Shri. Gulabrao Deokar College of Engg. Jalgaon

18 One day Workshop on "Syllabus framing of Electronics and Telecommunication Engg." for North Maharashtra University,Jalgaon on 05.03.2013 at R. C. Patel Institute of Technology, Shirpur.

19 One day Workshop on "Syllabus setting for Third year Electronics and Telecommunication Engg." for North Maharashtra University,Jalgaon on 17.02.2014 at R. C. Patel Institute of Technology, Shirpur

20 One day Workshop on "Recent Trends in Communication System Design" Conducted on 22 august 2015 by AKADEMIKA, Navi Mumbai

21 One day Workshop on "Industrial Automation" Conducted on 22-23 September 2015 by TAACT, Mumbai

22 One day National Workshop on "VLSI Cadence Tool" Conducted on 22 March 2019 by Department of Electronics,KBCNMU Jalgaon.

23 One week short Training Programme on "Biomedical Engineering" held on 05-09 August 2019 at Government college of Engineering ,Jalgaon

24 One week Faculty Development Program on "Fundamental of Signal Processing" for faculty of Engineering and Technology, held on 01-05january 2020 at SSGBCOE&T, Bhusawal

Organized Workshop

1. Organized university level workshop on "Syllabus Setting for final year Electronics &Telecommunication Engineering ", at Shri. Gulabrao Deokar College Of Engineering,Jalgaon on 14 february2015

2. Organized workshop on "Industrial Automation ",at Shri. Gulabrao Deokar College Of Engineering,Jalgaon on 25 March 2016

3. Organized workshop on "Automation in Robotics" at Shri. Gulabrao Deokar College Engineering,Jalgaon on 1 march 2017

4. Organized workshop on "Entrepreneurship Awareness Camp" at Shri.Gulabrao Deokar College Of Engineering,Jalgaon from 11-9-17to 13-9-17.

5. Organized workshop on "Mapping of Industrial Processes in ERP" at Shri.Gulabrao Deokar College Of Engineering,Jalgaon on 14 February 2018 .

6. Organized university level workshop on "Syllabus Setting for Third year Electronics &Telecommunication Engineering " of KBCNMU Jalgaon, at Shri. Gulabrao Deokar College Of Engineering,Jalgaon on 28th january2019.

7. Organized workshop on "Recent Trends in Signal Processing" at Shri.Gulabrao Deokar College Of Engineering,Jalgaon on 16February 2020.

Research Publications:

National Conference:05

International Conference: 12

International Journal: 36

Details of National Conference: (5)

1.**R.R.Karhe** , "Application of Artificial Neural Networks to identify cardiac Disease Using Computerised features Extraction of ECG signal" (National conferences on Recent Trends in Technology at J.T. Mahajan College of Engg. Faizpur ,21 Nov 2006).

2. **R.R.Karhe** , "Design FIR Filter for Noise Cancellation of ECG signal" (National conferences on Emerging Trends in signal Processing and communication at Maharashtra Academy of Engineering. Alandi, Pune ,27 - 29 December 2007).

3. **R.R.Karhe** "Electrocardiogram digitization : A method to convert paper ECG into digital ECG waveform" (National   conferences on Emerging Trends in EngineeringTechnology and Management at C.O.E.T. Jalgaon ,29th March 2010).

4. V.S.Mahajan,**R.R.Karhe** "Bluetooth Technology" (National   conferences on Emerging Trends in signal Processing and communication at Maharashtra   Academy of Engineering. Alandi, Pune ,27 - 29 December 2007).

5. **R.R.Karhe**, "A DSP based Processing system for Electrocardiographs signal" (National conferences on Emerging Trends in signal Processing and communication at   Government college of Engineering, ponda, Goa ,2010).

Details of International Conference: (12)

1. **R.R.Karhe**,"An Artificial Intelligence Approach to E.C.G. Analysis"(International conferences on Advanced Computing and Communication Technologies, ICACCT 2007 , 3th - 4th November 2007, Panipat, Hariyana).

2 **R.R.Karhe**,"Bioinformatics and Its Application"(International conferences on Advanced Computing and Communication Technologies, ICACCT 2007, - 4th - 5th November 2007, Panipat, Hariyana)

3 **R.R.Karhe**, "Artificial Innovation and Modeling Technology in Power system", IEEE Conference on AI Tools in Engineering, 6th - 8th March 2008, Cummins, Pune.

4 **R.R.Karhe**,"Investigation of Artificial Neural Networks in character recognition"(International conference on Advanced Computing and Communication Technologies, ICACCT 2008, 8th - 9th November 2008, Panipat, Hariyana).

5 **R.R.Karhe**,"ANN in Automated Vehicle Detection and Tracking",(International conference on Advanced Computing and Communication Technologies, ICACCT 2008, 8th - 9th November 2008, Panipat, Hariyana).

6 **R.R.Karhe**,"Analysis of Cardiac patient state using Artificial Neural Network", (International conference on sunrise Technologies, ICOST 2011, 13th - 15th January 2011, SSVPS,Dhule).

7 SagerShinde,**R.R.Karhe**," Gas Leak Detection, Location, Alerting System using Wireless Sensor Network Based on Embedded System", (International conference on Electronics & Communication Engineering,ICECE, 14th october 2012, Nagpur).

8   **R.R.Karhe**," 2nd International conference on Recent Trends in Engineering & Technology ,ICRTET 2013, 22th-24th february 2013, chandwad, Nasik).

9   Chetana Rathi,**R.R.Karhe**,"Self Designed algorithm for IRIS Recognition" (International conference on Electronics & Communication Engineering, IBSS, COET Amravati, February.2013,Amravati)

10   **R.R.Karhe, R.B.Bhamare** ," An Overview of ARM Cortex-M3 Based Breakout Boards", (International conference on Advent Trends in Engineering system and Technology, ICATEST2015,8th March2015).

11   **R.R.Karhe,** " Digitization of ECG through Anisotropic Diffusion Technique", (International conference on Smart Engineering for Sustainable Development, SEFSD-2018,29th-30th september 2018).

12   **R.R.Karhe,** " Neural Network Classifiers for cardiac arrhythmias from scanned ECG Documents", 7th International conference on computing ,Engineering and Technology, ICCET2019,1th December 2019).

Details of International Journals: (36)

1. **R.R.Karhe,**Dr,A.J.Patil,"An Artificial Intelligence approach to ECG Analysis" International journal of The Technology world,ISSN 2180-1614, Volume-V, Issue-I,International Journal Division Kuala Lumpur Malaysia, March- April 2010 , pp 111-117.

2. **R.R.Karhe**,v.s.mahajan "Development of mobile Technology A Survey", IJAREEIE in Volume I issue 5, Nov., 2012.

3. S.M.Patil, **R.R.Karhe,** "New approach for Noise Removal from Digital Image" International journal of Engineering Research Technology. IJERT, Vol. 2, Issue 1 January, 2013

4. D.M. Mehete, **R.R.Karhe** , "Advanced Digital Video Water marking using DWT with PCA" International Journal of Science, Engineering and Technology Research, july 2013,ISSN 2278-7798,pp- 1458-1463.

5. **R.R.Karhe**, M.S.Patil "Real time data Acquisition home parameters monitoring using Labview" International Journal of Advanced Research in Computer Engineering & Technology,volume 2, Issue 2, March 2013.

6. S.Nikam, **R.R.Karhe**,"Dynamic spectrum sensing techniques for cognitive Radio based wireless communication"International Journal of scientific Engineering &Technology Research , september 2014.

7. Binod Yadav, **R.R.Karhe,** "Indian Currency Recognition and verification system using Image Processing" International Journal of Advanced Research in Computer science and software Engineering.,volume 4, Issue 12, December 2014,

8. **R.R.Karhe**, "ECG signal analysis Techniques- A survey approach" International Journal of Advanced Electronics & communication system, ISSN 2277-7318, 2014.

9. **R.R.Karhe**,S.M.Mansute, "Recovering Original Image from Degraded Image Using Blind deconvolution Algorithm" International Journal of Advanced Electronics & communication system, ISSN 2277-7318, 2014.

10. Binod Yadav, **R.R.Karhe**, " Automatic Indian Currency Notes Recognition Techniques a survey approach"International Journal of modeling & simulation in Engineering &technology, 2014.

11. M.B.Randhir, **R.R.Karhe**, " Monitoring of Environmental parameter by using cloud computing "International Journal of Engineering science & Research technology, 2015.

12. M.B.Randhir, **R.R.Karhe**,"Humidity and temperature monitoring by using cloud computing" International Journal of Engineering science & Research technology, volume 4, Issue 8, August2015.

13. R.B.Bhambre,**R.R.Karhe**, "The various ways of programming and Embedding Firmware into an ARM Cortex-M 3 Microcontroller Based Hardware" International Journal of Foundation & Research in computer, volume 2, Issue 7, 2015.

14. S.B.Kothawade, **R.R.Karhe**, "Land slide Detection & animal Detection using WSN" International Journal of Advance Research in computer science & software Engineering, volume 2, Issue 4, 2015.

15. **R.R.Karhe**, S.M.Bavaskar, "Intelligent Taxicab AD-HOC system", International Journal of Engineering Research , volume 3, Issue 5, 2015.

16. **R.R.Karhe**,S.M.Bavaskar, "Carpool Service for Intelligent Taxicab System", International Journal of Emerging Technology and Advanced Engineering , volume 5, Issue 8, 2015

17. **R.R.Karhe**,S.M.Bavaskar ,"Taxicab System using GPS and GSM ", International Journal of Interdisciplinary Research , volume 2, Issue 2, 2016

18. **R.R.Karhe**,G.P.Sonawane, "Digital video Monitoring system based on ARM Cortex A7", International Journal of Science Trends and Technology , volume 4, Issue 1, 2016

19. S.A.Jain, **R.R.Karhe**, "Human Age Prediction using Facial Images", International Journal of Research , volume 3, Issue 11, 2016

20. **R.R.Karhe**,S.M.Bavaskar,"Carpool Service for Intelligent Taxicab System", International Journal of Emerging Technology and Advanced Engineering , volume 5, Issue 8, 2015

21. **R.R.Karhe**,S.M.Bavaskar,"Carpool Service for Intelligent Taxicab System", International Journal of Emerging Technology and Advanced Engineering , volume 5, Issue 8, 2015

22. **R.R.Karhe**,Poonam S Kshirsagar, "ANPR Using Improved Segmentation and Template Matching for Parking Management System ", International Journal of Innovative Technology , volume 4, Issue 6, 2016

23. **R.R.Karhe**,Poonam S Kshirsagar, "ANPR System for Vehicle Identification Using Improved Segmentation", International Journal for Scientific Research and Development, volume 4, Issue 5, 2016

24. **R.R.Karhe**,Trupti R. Chaudhari, "RFID and GPS based child tracking system with voice recognition for security", International Journal of Scientific Development and Research, volume 4, Issue 12, 2016

25. **R.R.Karhe**,Nilesh N. Nagare, "A Survey on Automatic Defect Detection and Classification Technique from Image Processing, A special case using ceramic tiles", International Journal of Advance Engineering and Research Development, volume 4, Issue 12, 2017

26. **R.R.Karhe**,Nilesh N. Nagare, " A Survey on Automatic Defect Detection & classification Technique from Image", International Journal of Advance Engineering &Research Development, ISSN 2348-4470, 2017

27. **R.R. Karhe**, Dr.Sujata N.Kale,"ECG Digitization by Morphological Top- Hat Transform", International Journal of Innovative Research in Science, Enginee-ring and Technology,ISSN: 2319-8753, Issue 20-21, January 2017,pp.213-222.

28. **R.R.Karhe**, " Automatic Detection of Tumor in human liver using image Processing Technique", International Journal of Research,ISSN 2348-6848, 2018

29. **R.R.Karhe**, " A System for analysis & Diagnosis for left Ventricular Myocardium from CT images of Heart", International Journal of magazine of EngineeringTechnology,Management and Research,ISSN 2348-4845, 2018

30. **R.R. Karhe**, Dr. Sujata N.Kale, "Digitization of ECG Through Anisotropic Diffusion Techniques",61st IETE Annual Convention 2018 on "Smart Engneering for Sustainable Development" ,Special Issue of IJECSCSE, ISSN:2277-9477, 2018, pp. 264-267.

31. V.Rane, **R.R.Karhe**, "Basic CMOS Gates using lector Technique to Reduce leakage current in Tanner Tool", InternationalJournal of Engineering Science & Computing, volume 9. Issue 7, 2019.

32. **R.R.Karhe**, " IOT based water management system ", International Journal of Innovative Research in Technology,SSN 2349-6002, 2019

33. **R.R. Karhe**, Dr Sujata N.Kale, "ECG analysis using wavelet transform and Neural networks", International journal of creative Research Thoughts , IJCRT,Volume 5, Issue 3, ISSN: 2320-2882,2017, pp.25-29

34. **R.R. Karhe**, Dr Sujata N.Kale, "Neural network classifiers for cardiac arrhythmias from scanned ECG documents", International Journal of Advanced Trends in Computer Science and Engineering, Volume 8, No.1.6, ISSN:2278-3091, 2019, pp. 549-555

35. **R.R. Karhe**, Dr Sujata N.Kale, "Digitization of Documented ECG Signals using Image processing", International Journal of Engineering and Advanced echnology,Volume - 9, Issue-1, ISSN: 2249-8958, October 2019, pp. 1286-1289

36. **R.R. Karhe**, Dr Sujata N.Kale, "Classification of Cardiac Arrhythmias using Feedforward Neural Network", Helix E-ISSN: 2319-5592, volume 10, No.5, 2020, pp.15-20.

Social Contribution :

Student Welfare	Worked as a coordinator in GATE Coaching Classes, Career Counseling and Motivational Lectures for student.
Co-curricular Activities	Participated in activities such as - Tree Plantation, Blood Donation, Conferences, Workshops, Seminars, Exhibitions etc. Cultural and Sports activities of the students, Excursion and Industrial Visit for students.

Personal Details :

a. Date of Birth   :   16th December, 1970
b. Address   :   9-B, Brooke Bond Colony,
                                        Ring Road, Jalgaon – 425 001
c. E-mail   :   rajeshkarhe@yahoo.com
d. Telephone   :   (0257) 2237840
e. Gender   :   Male
f. Nationality   :   Indian
g. Category   :   Open

Declaration

I here by declare that all the given information by me is true and correct to the best of my knowledge.

Rajesh R. Karhe

Date:

Place: