

Dr. Bhagyashree S R

Professor, Dept. Electronics Communication Engineering
ATME College of Engineering, Mysore
Mobile: 91-9900110944

bhagyashreeraghavan@gmail.com

Linked in id: <https://www.linkedin.com/in/dr-bhagyashree-raghavan-52825578>

<https://orcid.org/0000-0001-7679-9726>

**Qualification:**

Degree/Diploma	University	Year	Discipline
PhD	University of Mysore	2016	Electronics
M Tech	VTU	2007	VLSI design and Embedded Systems
BE	VTU	2002	Electronics & Communication Engineering
Diploma	DTE	1991	Electronics

Experience:

Period		Nature of work	Organization
From	To		
28-9-2017	Till date	Governing Council member	ATMECE, Mysore
1-1-2017	Till date	Professor	ATMECE, Mysore
15-07-2011	31-12-2016	Associate Prof. & HOD	ATMECE, Mysore
15-07-2011	31-12-2016	Assistant Prof. & HOD	ATMECE, Mysore
May 2008	17-06- 2011	Senior Lecturer & HOD	GSSSIETW, Mysore
16-08- 2006	May 2008	Lecturer	GSSSIETW, Mysore
10-07-2003	14-08-2006	Lecturer	Srimath Polytechnic, Mysuru
18-10-1993	30-06- 2002	Design Engineer	Smart Micro Systems, Mysore
1-1-93	16-10- 1993	Supervisor	ACE Components & Electronics Pvt. Ltd., Mysore
1-11-1991	30-05- 1992	Lab Instructor	SBRR Mahajana's FGC, Mysore

Thesis Title: A Novel approach in the diagnosis of Alzheimer disease and designing an embedded system for patients suffering from AD.

PROFESSIONAL EXPERIENCE:

Teaching experience: 15 years 11 months

Industry experience: 9 years 8 months

Research: 5 years 9 months

PUBLICATION DETAILS:

H-Indexed journals

- Dr. S R Bhagyashree, Kiran Nagaraj, Fall Caroline H. D. Martin Prince & Murali Krishna, “Diagnosis of Dementia by Machine learning methods in Epidemiological studies: a pilot exploratory study from south India”, Springer-Social psychiatry and psychiatric epidemiology, 53(1), pp 77-86, July 2017, ISSN 0933-7954, DOI: 10.1007/s00127-017-1410-0, (**Scopus Indexed, Q1 Rank, H index -108**)
- Bhagya Shree S R and Dr. H S Sheshadri, “Diagnosis of Alzheimer’s disease using naïve Bayesian classifier”, Springer –NCAA ,vol. 27, Issue-6, pp 1-10, Aug-16, ISSN : 0941-0643, doi.org/ 10.1007/s00521-016-2416-3, (**Scopus Indexed, Q2 Rank, H index -57**)
- S R Bhagya Shree, Dr H S Sheshadri, Dr Murali Krishna “Diagnosis of Alzheimer’s Disease Using Rule Based Approach”, Indian Journal of Science and Technology, Vo9, Issue3, PP 1-6, April 2016, ISSN: 9746846, DOI: 10.17485/ijst/2016/v9i13/84496 (**Scopus Indexed, Q2 Rank(2016), H index -33**)

IEEE Proceedings

- Dr. Bhagyashree S R and Prajwalasimha S N, “Image Encryption using Substitution and Discrete Cosine Transformation Technique” IEEE ISBN: 978-1-5090-3239-6, 2017
- Dr. H S Sheshadri, S R Bhagya Shree and Murali Krishna, “Diagnosis of Alzheimer’s disease employing neuro psychological and classification techniques”, Kaulalampur, Malaysia August 24th-27th, 2015,IEEE Digital explore IEEE ISBN: 978-1-4673-6537-6/15, doi.org/10.1109/ICITCS.2015.7292973

- S R Bhagya Shree, Dr. H S Sheshadri, R Shivakumar and H S Vinay Kumar, “Design of Embedded system for tracking and locating the patient suffering from Alzheimer’s disease”, PARK College of Engineering and Technology, Coimbatore-641659, Tamilnadu, India, Dec 18th – 20th , 2014, IEEE Digital explore IEEE ISBN : 978-1-4799-3975-6, doi.org/10.1109/ICCIC.2014.7238291
- S R Bhagya Shree and Dr. H S Sheshadri, “An initial investigation in the diagnosis of Alzheimer’s disease using various classification techniques”, PARK College of Engineering and Tekhnology, Coimbatore-641659, Tamilnadu, India Dec 18th – 20th, 2014, IEEE Digital explore IEEE ISBN : 978-1-4799-3975-6, doi.org/10.1109/ICCIC.2014.7238300
- Bhagya Shree S R and Dr. H S Sheshadri, “An approach to preprocess data in the diagnosis of Alzheimer’s disease” Changchun, China 13-14 Dec., 2014. IEEE Digital explore IEEE ISBN No 978-1-4799-4765-2, pp135-139, EI Compendex Accession No. 2015160075195 Article no. 7062522”, doi.org/10.1109/CCIOT.2014.7062522
- S R Bhagya Shree, P Chandra Shekar, A Arjun, GR Manoj, A Nithin and Ravitheja S Raj, “Automated Medication Dispensing System”, K L University, Vijayawada, AP, 11th -13th September, 2014, IEEE Digital explore IEEE ISSN: 2151-7703 doi.org/10.1109/WOCN..2014.6923079
- Manoj Kollam, S R Bhagyashree, “Zigbee wireless sensor for better interactive Industrial automation” , Anna University, Chennai 6-8 Dec 2011, pp 304-308, IEEE Digital explore IEEE ISBN:978-1-4673-0671-3, doi.org/10.1109/ICoAC.2011.6165193

International Journals:

- Dr. Bhagyashree S R, Sukrutha A Jain, Pooja R, Swathi B S “Review on Technological Aspects of Magnetic Resonance Imaging and Functional Magnetic Resonance Imaging”, IJETT , – Volume 59, Issue 2, pp 96-104, May 2018, ISSN: 2231-5381
- Dr. Bhagyashree S R, Prajwalasimha S N, Sukrutha A Jain and Pooja B G, “Review on Diagnosis of Alzheimer’s Disease using MRI”, International Journal of Innovative Research in Science, Engineering and Technology , Vol. 6, Issue 1, PP-1246-1249, Jan 2017, doi.org/10.115680/IJIRSET.2017.0601135
- Bhagyashree S R, Chandan G N and Girish M, “Image Compression using AMBTC”,

International Journal of Electronics, Electrical and Computational System Vol.5, Issue-10, pp 46-54, Oct-16, ISSN 2348-117X

- Bhagya Shree S R and Vidya, “Firefly Algorithm based data hiding technique”, International Research Journal of Engineering and Technology (IRJET) Vol.9, issue 8, August- 2016, ISSN 2395-0056
- S R Bhagya Shree, Dr. H S Sheshadri and S Joshi, “A Review on the Method of Diagnosing Alzheimer’s Disease using Data Mining”, International Journal of Engineering Research & Technology (IJERT), vol. – 3, Issue-3, , pp 2417-2420, Mar-14, ISSN: 2278-0181
- Bhagya Shree S R, Yathisha L “Design of UPS using SOC Technology”, International Journal of Electronics, Electrical and Computational System” Vol.-2, Issue-2, ,pp 135 - 139, Feb-14, ISSN 2348-117X
- S R Bhagya Shree, “An Approach in the Diagnosis of Alzheimer Disease – A Survey”, International Journal of Engineering Trends and Technology (IJETT) Vol. 7, issue- 1, pp 41-43, Jan-14, doi.org/10.1109/CCIOT.2014.7062522, ISSN: 2231-5381
- Chandan G N, S R Bhagya shree and Pavithra A C, “Wired and Wireless Online Transaction System on ARM9”, IJCA, pp 19-23, Jul-15, ISBN 973-93-80888-47-3
- S R Bhagya Shree, Anitha Raghavendra and Supraja Pranesh “MICROCONTROLLER BASED OIL DISPENSING UNIT”, IJEEDC Vol.1 issue 10 ISSN: 2320-2084 pp 1 – 2, Dec-13

International Conference:

- Mrs. Sheetal Garg & Dr. Bhagyashree S R, “Detection and Classification of tumors using Medical imaging Techniques: A Survey”, ICICV 2019, Francis Xavier Engineering College, Tirunelveli, 14th and 15th February 2019
- Dr. Bhagyashree S R, Saima Sadaf, Sangeetha V, Shruthi A “SAMPARK-IOT BASED DISPLAY BOARD”, ICNTET 2018, GRT institute of Engineering & Technology, Tirutani, Chennai, 7th and 8th September 2018
- Dr. Bhagyashree S R, Abhishek S, Priya Prasad, Ranjitha N, “SELF ACTIVATED MEDICAMENTS DISPENSING SYSTEM”, ICNTET 2018, GRT institute of Engineering & Technology, Tirutani, Chennai, 7th and 8th September 2018

- Dr. Bhagyashree S R, Sonal Singh T , Likhitha S Padmini and Kiran J, “Vehicle speed warning system and wildlife detection system to avoid wildlife-vehicle collisions”, ICERECT – 2018, PESCE, Mandya, August 2018
- Dr. Bhagyashree S R and Prajwalasimha S N, “Image Encryption using Discrete Radon Transformation and Non chaotic Substitution” Proc. of IEEE International Conference on Signal Processing and Communication, Coimbatore,Tamilnadu, India, Feb 2017 (IEEE ISBN: 978-1-5090-3239-6, 2017 Vol. 2, pp. 1-4,).
- Bhagya Shree S R, Dr Caroline HD Fall and Dr Martin Prince, Dr. Murali Krishna, Dr. Sheshadri H S, Dr. Kumaran Kalyanaraman, Dr. Vijay Dhanivas “Diagnosis of Dementia using Rule Based Approach in the Community in South India”, **World Psychiatric Congress**, Cochin, Sept.2015.
- Dr. H S Sheshadri, S R Bhagya Shree and Murali Krishna, “Diagnosis of Alzheimer’s disease employing neuro psychological and classification techniques”, **Kaulalampur**, Malaysia, 24th-27th August 2015(IEEE Digital explore IEEE ISBN: 978-1-4673-6537-6/15, doi.org/10.1109/ICITCS.2015.7292973)
- S R Bhagya Shree, Kiran, Chandan, Pradeep, Hamsini, Revathi and Apoorva, “Automated moisture level control of irrigation field for improving a yield of a crop”, at 2nd International conference On Networks information and communication, ICNIC – 2015, 18th-20th May 2015 at SVCE, Bangalore.
- S. R. Bhagya Shree G. N. Chandan, R. Anitha, P. Supraja and L. Shwethashree, “A Vital Parameter Monitoring System using GSM”, Elsevier proceedings, Sri Venkateshwara College of Engineering, ICNIC-2014, 18th -20th May 2014, SVCE, Bangalore,
- S R Bhagya Shree, Kiran, Chandan, Pradeep, Hamsini, Revathi and Apoorva, “Automated moisture level control of irrigation field for improving a yield of a crop”, at 2nd International conference On Networks information and communication , ICNIC – 2015, 18th -20th May 2015 at SVCE, Bangalore.
- S R BhagyaShree, P Chandra Shekar, A Arjun, GR Manoj, A Nithin and Ravitheja S Raj, “Automated Medication Dispensing System”, K L University, Vijayawada, AP, 11th - 13th September,2014 (IEEE Digital explore IEEE ISSN: 2151-7703 doi.org/10.1109/WOCN..2014.6923079)
- BhagyaShree S R and Dr. H S Sheshadri, “An approach to preprocess data in the

diagnosis of Alzheimer's disease" **Changchun, China** 13-14 Dec., 2014. (IEEE Digital explore IEEE ISBN No 978-1-4799-4765-2, pp135-139, EI Compendex Accession No. 2015160075195 Article no. 7062522", doi.org/10.1109/CCIOT.2014.7062522)

- S. R. BhagyaShree G. N. Chandan, R. Anitha, P. Supraja and L. Shwethashree, "A Vital Parameter Monitoring System using GSM", Elsevier proceedings, "Sri Venkateshwara College of Engineering" ICNIC-2014, 18th-20th May 2014, SVCE, Bangalore.

Book Chapters:

- Garg S., Dr. Bhagyashree S.R. (2020) Detection and Classification of Tumors Using Medical Imaging Techniques: A Survey. In: Balaji S., Rocha Á., Chung YN. (eds) Intelligent Communication Technologies and Virtual Mobile Networks. ICICV 2019. Lecture Notes on Data Engineering and Communications Technologies, vol 33. Springer, Cham, https://doi.org/10.1007/978-3-030-28364-3_35, Online ISBN 978-3-030-28364-3
- Dr. Bhagyashree S R, Sonal Singh T and Likhitha S Padmini Kiran J "Vehicle Speed Warning System and Wildlife Detection Systems to Avoid Wildlife-Vehicle Collisions", Springer Lecture Notes in Electrical Engineering, Vol .545, pp961-968, April 2019, DOI: 10.1007/978-981-13-5802-9_84, Part of ISBN 978-981-13-5802-9
- Dr. Bhagyashree S R, Dr. MuraliKrishna, "Investigating the Impact of Various Feature Selection Techniques on the Attributes used in the Diagnosis of Alzheimer's Disease", Springer Lecture Notes in Electrical Engineering, Vol .30, pp1815-1823, Jan 2019, DOI: 10.1007/978-3-030-00665-5_166, Part of ISBN: ISBN 978-3-030-00664-8
- Dr. Bhagyashree S R, Dr. Sheshadri H S, Alzheimer's disease, DEMENTIA: ADVANCES AND TREATMENT, pp1-16, May 2018, ISBN: 978-93-87500-12-9
- Dr. H S Sheshadri, Dr A. Kandaswamy, Dr. Arunkumar M.N, Bhagya shree S R, Manojkumar.S.B, Manojkumar S.B, C. Anjanappa "MEDICAL IMAGE ANALYSIS A RESEARCH OUTCOME", published by RIP Research India Publications, ISBN: 978-93-84443-21-4, 2016

Funding Projects:

- Funded from **Cognitive Science Research Initiative (CSRI) DST** for a multi centric work with the title "Improving diagnosis and access to health care services for persons with dementia using Android based applications by community health workers" for the years 2018-2021.

Patent:

- Dr Bhagyashree S R along with Chandrashekar P Assistant Professor, students Priya Prasad, Abhishek S, N Ranjitha, Manoj G R, Arjun A, Nithin, Ravitheja S Raj has applied for patent on “SMART Medication Dispensing System” with patent application Number 201841011210.

PROFESSIONAL BODY MEMBERSHIP:

- **Honorary Secretary** IETE Mysore Chapter 2018- 20.
- **Joint Secretary** ARDSI Mysore Chapter 2018-20.
- Senior Member IEEE
- Fellow IETE
- **Treasurer-** IETE 2010-12
- EC member - IETE since 2009
- EC member - ARDSI Mysore chapter since 2012
- Member of the Institution of Engineers, India
- Chartered Engineer
- Member Association for Computing Machinery
- Life member ISTE
- Member of KRVP

ACHIEVEMENTS:

Session Chair:

- Session chair for IETE National conference held in IETE Mysore center on Saturday, 4th May 2019.
- Session chair for IEEE International conference ICNTET organized by GRT Institute of Engineering & Technology, Tiruttani, Tamilnadu on 7th & 8th September 2018
- Session chair for IEEE International conference ICIETS 2018 organized by NIE Institute of Technology, Mysore on 20th & 21st September 2018
- Session Chair for National Conference held at GMIT Davanagere on 4th September 2015

Jury member:

- Jury member for the Open Day Project Exhibition Shakthi Sthaavara- 2019 organized by the Dept. of Electrical and Electronics Engineering, GSSSIETW, Mysore on Friday, 3rd

May 2019

- Jury Member for Project expo organized at IETE, Mysore on 4th May 2019
- Jury Member for Project expo organized by the Dept. of Electrical and Electronics Engineering, ATMECE, Mysore on 10th May 2019
- Jury Member for TechNIEIT 2016 held on 2nd May 2016

Editorial Board member:

- Member of Editorial team International Journal of Applied Mathematics and Machine Learning IJAMML (ISSN NO: 2394-2258)
- Board Member IJETT (Seventh Sense Research Group) Thomson Reuters, Google Scholar
- Editorial Board member IRJET Google Scholar
- Member of Program Committee ICITCS 2017 IEEE
- Editorial Panel member EC Psychology and Psychiatry PubMed
- Editorial Board member Journal of Child and Adolescent psychiatry Scopus
- Editorial Board member Journal of Precision Medicine and Public Health Google Scholar, PubMed
- Editorial Board member international journal of thyroid research
<http://www.remedypublications.com/international-journal-of-thyroid-research/editorialboard.html>

Reviewer:

- IJERT ISSN: 2278-0181 Google Scholar
- SM Journal of Psychiatry & Mental Health
- Archives of Gerontology and Geriatrics **Elsevier**
- Advanced Practices in Nursing OMICS Publishing Group Medical Journals
- BMC Neurology SCImago, SCOPUS, PubMed
- International conference 4th International Conference on Emerging Research in Computing, Information, Communication and Applications (Springer) ERCICA 2016
- IEEE ICEECCOT 2018
- IEEE ICETC2017
- IEEE ICEECCOT 2017
- IEEE ICEECCOT 2016

- IEEE Conference TENCON2016

Resource person:

- Resource person for LATEX workshop organized for PG students on 29th & 30th March 2016 at ATMECE Mysuru
- Resource person for LATEX workshop organized for UG students from 22nd & 27th February 2016 at ATMECE Mysuru
- Resource person for One day international Symposium on neurocognitive disorders held at AIISH on 29th September 2015.
- Resource person for FDP on LATEX at on 22nd Feb. 2015 at IETE Mysuru.
- Resource person for LATEX workshop organized for UG students on 9th Feb 2015 at Dept. CSE, ATMECE Mysuru.
- Guest Lecture on “Introduction to electronics” on 11th Oct 2012 at Vidya Vikas Institute of Engineering and Technology, Mysore
- Guest lecture in JSS Polytechnic for Women, Mysore

Other achievements:

- Member of Advisory board of e-Shikshana of Visweswaraya Technological University 2018-19, 2019-20
- Conducted on-line Classes for Basic electronics through e-Shikshana Programme-01 for the year 2018-19.
- Conducted on-line Classes for Electronic Devices through e-Shikshana Programme-02 for the year 2018-19.
- Subject expert for staff selection held at NIEIT, Mysore on 4/5/19 and 6/5/19.
- BOE Member NIE 2018-19
- BOE Member NIE 2017-18
- Participated as a mentor in Smart India Hackathon 2017 held at Amritsar on 1st and 2nd April 2017
- BOE member KSOU 2015
- BOE member KSOU 2014
- BOE Member NIE 2012-12
- BOE Member NIE 2011-12

- Director of Alumni Association JSS Polytechnic for Women, Mysore

ROLE AND RESPONSIBILITY:

At ATMECE, Mysore

- Member of organizing committee of International conference ICRTST 2020.
- Chairperson of CICC 2019-20
- Chairperson for Internal squad team for Internals.
- Convener of 11-Days Student Induction Programme an initiative of AICTE for Odd Semester 2019-20.
- Convener of 10-Days Student Induction Programme an initiative of AICTE for Even Semester 2019-20.
- Resource person for UHV for three weeks Student Induction Programme for Odd Semester 2019-20.
- Resource person for UHV for three weeks Student Induction Programme for Even Semester 2019-20.
- Setting up of laboratories for both UG and PG Programs
- Strategic planning for the growth of Department
- Convener of FDP's, Workshops, Internship Programmes and Industrial visits conducted in the Department
- Coordinator of Echelon
- Coordinator of IETE Student Forum
- Guiding UG and PG students
- Convener of three weeks Student Induction Programme an initiative of AICTE for 2018-19.
- Resource person for UHV for three weeks Student Induction Programme for 2018-19.
- Convener of International Women's Day 2k19
- Convener of an awareness programme at the Institutional level on "Legal rights of women", Initiated by National Commission for Women, India, New Delhi for 2018-2019
- Convener of ATMEeya Vidhaaya 2018
- Preparation of teaching material and imparting knowledge through Innovative methods
- Preparation of scientific papers and publishing, participating in National and International conferences

- Convener of ATMEeya Vidhaaya 2017
- Convener of an awareness programme at the Institutional level on “Legal rights of women”, Initiated by National Commission for Women, India, **funded** by NCW, New Delhi for 2017-2018
- Convener of International Women`s Day 2k18
- Convener of Graameena Kreede for Atmeeya 2k18
- Chairperson of CICC 2018-19
- Chairperson for Internal squad team for Internals.
- Convener of ATMEeya Vidhaaya 2015, 2016

Honorary secretary of IETE Mysore center

- Initiated ISF at Rajiv Institute of Technology, Hassan
- Initiated ISF in MIT, Mysore
- Initiated ISF in MITT, Mysore
- Initiated ISF in MYCEM, Mysore
- Initiated ISF in CIT, Mandya
- Convened IETE students’ Day on 1st February, 2019 at IETE and got Rs 2000 funding form IETE HQ
- Convened programme on Women Empowerment on 1st March 2019 at IETE and got Rs 5000 funding form IETE HQ
- Convened National level conference and project Expo on 4th May 2019 at IETE, Mysore
- Convened CET coaching for lateral entry students’ admission for 2019-20.
- Convened Internship program for UG students in association with AIMIT-CDAC certified company.

At GSSSIETW, Mysore

- ❖ Setting up of laboratories
- ❖ Convener of FDP`s, Workshops and Industrial visits conducted in the Department
- ❖ Coordinator of AECEC
- ❖ Coordinator of IETE Student Forum
- ❖ Guiding UG and PG students
- ❖ Convener of Cultural festival Geethayana
- ❖ Member of organizing committee of National Conference TantraGnana.

❖ Cultural coordinator - 2007-2011

Srimath Polytechnic, Mysore

- Handling the theory and laboratory classes
- Organizing college cultural festival

Smart Microsystems

Designing and development of Uninterruptable power supply, Automated Bank token announcing system, Security Alarming system etc.

Ace Components and Electronics Pvt. Ltd.

In charge of Production Planning and control Department. The responsibility included planning of day wise production, Machine wise production with an aim to complete the long pending orders by keeping Company`s turnover as a prime consideration. The achievement during the tenure was, increasing the yield along with fulfilling the long pending orders.