

BIO-DATA

Dr. RAGHAVENDRA S P

Assistant Professor

Dept. of MCA

JNN College of Engineering

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BRIEF PROFILE

<i>Current Designation</i>	Assistant Professor
<i>Total Experience</i>	21 Years
<i>Research exp</i>	10 years
<i>Papers Published</i>	10+ (Journals-04,Conference-08)
<i>DBLP Listing</i>	04
<i>Scopus Index</i>	11
<i>SCI/ISI papers</i>	01

DETAILS OF EDUCATIONAL QUALIFICATIONS

- **Ph.D**(Comp. Sc. & Tech), Kuvempu University, 2019
- **KSET** From University of Mysore, Mysuru
- **MCA** (Master OF Computer Application, 2004, Distinction (75%))
- **BSc(PMCs)** SRNMN College of Applied Sciences, 2001.

POSITIONS HELD

- **Assistant Professor** at Dept. of MCA, Jawaharlal Nehru National College of Engineering, Shimoga, Karnataka, India (11.08.2011 to till date)
- **Lecturer** at Dept. of MCA, JNN College of Engineering, (JNNCE) Shimoga, (11.08.2006 to 10.08.2011)
- **Lecturer** at Dept. of PG Studies & Research in Comp. Science, Jnanasahyadri, Kuvempu University, Shankaraghatta, Karnataka, (01.08.2004 to 07.07.2006)

RESPONSIBILITIES

- Coordinating MCA Admission of Management quota(During 2014 to 2018)
- Coordinator for NBA Work form the MCA department.
- Coordinator for Time Table from Odd 2024.

BRIEF WORK EXPERIENCE

I have more than one decades of experience as academician.

Worked in different capacities as **Member** of Board Of Examination (BOE) and Board of Studies (BOS) of Universities such as Kuvempu University and actively taken major role in developing new Course curriculum, syllabus, Examination and evaluation system for MCA degree.

RESEARCH EXPERIENCE

My research interests are in the area of Document Image Analysis, Computer Vision, Pattern Recognition and Image Processing. The list of my research outcomes published in the Books, journals & conferences at National & International levels as given below.

Title of PhD:

“Design and Analysis of Machine Learning Systems for Automatic Bank Cheque Processing”

Journal Publications:

1. Raghavendra SP and Ajit Danti, A Novel recognition of indian bank cheques using feed forward Neural Network, International Conference on Computational Intelligence in Data Mining (ICCIDM-2015), Volume 2, Pages: 71–99, 2015 **Springer**, ISBN: 978-81-322-2731-1.
2. Raghavendra SP and Ajit Danti and, A Novel recognition of indian bank cheques based on Invariant Geometrical Features, International Conference on Trends in Automation, Communication and Computing Technologies (ITACT-2015) With Technical Co sponsorship of IEEE, Pages: 208–211, 2015, **IEEE**, ISBN: 978-1-5090-1887-1, Part number: CFP15C38-PRT.
3. Raghavendra S P, Ajit Danti and Suresha M, Recognition of Bank Cheque number based on Correlation, National Conference on Computational Sciences & Soft Computing(NCCSSC), JNNCE, SHIMOGA, In association with **IIIT Allahabad and ISTE New Delhi**, December 2017.
4. Raghavendra S P, Ajit Danti and Suresha M, Correlation based template matching for recognition of Bank cheque number, International Journal of Computer Engineering and Applications, Volume XII, Issue III, www.ijcea.com ISSN 2321- 3469, pp 61-76, March 2018. **UGC Approved** (Jr. No. 44835).
5. Raghavendra S P, Ajit Danti, A Novel Recognition of Indian Bank Cheque Names Using Binary Pattern and Feed Forward Neural Network, IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 20, Issue 3, Ver. I, PP 44-59, May - June. 2018. **UGC Approved Journal** (Jr. No. 5019).
6. Raghavendra S P, Ajit Danti, Recognition of Signature Using Neural Network And Euclidean Distance for Bank Cheque Automation, International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R), Communications in Computer and Information Science (**CCIS**), Springer. (Paper Accepted), Linked to **SCI, Scopus indexed Journal**.

7. Raghavendra S P, Ahmed Ridwan , Ajit Danti, Hesham Abdo Ahmed Aqlan, and N. B. Arunkumar, Breaking News Recognition Using OCR, International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R), Communications in Computer and Information Science (CCIS), Springer. (Paper Accepted), Linked to **SCI, Scopus indexed Journal**.
8. Raghavendra S P, “Feature Based Fuzzy Framework for Sentimental Analysis of Web Data”. International Conference on Data Science & Communication (IconDSC 2019), at Christ University, Faculty of Engineering, Bangalore, INDIA Indexed by reputed publishers (**IEEE**), 978-1-5386-9319-3/19/\$31.00 ©2019 **IEEE**, papers will be extended for book series and journal issues (SCI and DBLP indexed plus impact factor) for book series and journal issues (**SCI and DBLP indexed plus impact factor**).
9. Raghavendra S P, Jishi B Nair, “A Novel Technique For Steganography Using Lsb Method”, JNNCE Journal of Engineering & Management, jjem.jnnce.ac.in, JNNCE Journal of Engineering & Management – A Peer Reviewed Bi-annual Journal Available online @ <https://jjem.jnnce.ac.in> ISSN: 2582-0079 (O) <https://www.doi.org/10.37312/JJEM.2019.030209> Indexed in International Scientific Indexing (ISI) Impact Factor Value: 1.025 for 2018-19 Volume: 3, Issue: 2 July - December 2019 Date of Publication: 12-30-2019
10. Raghavendra S P, Pranesh Kulkarni, “A Novel Technique For Atm Security By Image Processing”, JNNCE Journal of Engineering & Management, jjem.jnnce.ac.in, JNNCE Journal of Engineering & Management – A Peer Reviewed Bi-annual Journal Available online @ <https://jjem.jnnce.ac.in> ISSN: 2582-0079 (O) Indexed in International Scientific Indexing (ISI) Impact Factor Value: 1.025 for 2018-19 Volume: 3, Number: 1, January - June 2019
11. S. P. Raghavendra, M.J.Adarsh, Shoieb Ahamed, and J. Shree Hari, Estimation of Human Age and Gender Based on LBP Features Using Two Level Decision by SVM, c_ Springer Nature Singapore Pte Ltd. 2021 K. C. Santosh and B. Gawali (Eds.): RTIP2R 2020, CCIS 1380, pp. 82–94, 2021. https://doi.org/10.1007/978-981-16-0507-9_8
12. S. P. Raghavendra, Shoieb Ahamed, Ajit Danti, and D. Rohit, Detection of Fraudulent Alteration of Bank Cheques Using Image Processing Techniques, c_ Springer Nature Singapore Pte Ltd. 2021 K. C. Santosh and B. Gawali (Eds.): RTIP2R 2020, CCIS 1380, pp. 82–94, 2021. https://doi.org/10.1007/978-981-16-0507-9_8
13. Shwetha S, Raghavendra S P, “A Novel Hybrid Voting System Using Machine Learning“, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), ISSN (Online) 2581-9429, Volume 2, Issue 6, June 2022.
14. Namratha N, Raghavendra S P, “Classification of Various Thyroid Ailments Using Data Mining Techniques”, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), ISSN (Online) 2581-9429, Volume 2, Issue 6, June 2022.
15. Anusha G, Raghavendra S P, “Sentimental Analysis on YouTube Scrapped Data”, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), ISSN (Online) 2581-9429, Volume 2, Issue 6, June 2022.
16. Kruthika C Shetty, Raghavendra S. P, “Social Distancing Analyzer Using Deep Learning Model”, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), ISSN (Online) 2581-9429, Volume 2, Issue 6, June 2022.
17. Harisha Naik.T, Raghavendra.S.P and Rajath Sharma, “Watermarking Images using Singular Valued Decomposition in DCT and DWT, Indian Journal of Natural Sciences, www.tnsroindia.org.in ©IJONS Vol.13 / Issue 75 / December / 2022, International Bimonthly (Print) ISSN: 0976 – 0997

18. Amreen Saba, Raghavendra S. P, “Visual Cryptography on Securing Image Data Using Machine Learning”, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), ISSN (Online) 2581-9429, Impact Factor: 7.301, Volume 3, Issue 2, July 2023
19. Ananya S K, .Raghavendra S P, “Car Parking Slot Detection Using Image Processing”, International Journal of Innovative Research in Computer and Communication Engineering, | e-ISSN: 2320-9801, p-ISSN: 2320-9798, www.ijrcce.com Impact Factor: 8.379, Volume 11, Issue 7, July 2023
20. Kavana J S, Raghavendra S P, “Unified Customer Rewards Management System, International Journal of Innovative Research in Computer and Communication Engineering, e-ISSN: 2320-9801, p-ISSN: 2320-9798| www.ijrcce.com | Impact Factor: 8.379, Volume 11, Issue 7, July 2023.
21. Kavya A L, Raghavendra S P, BIRDS BREED CLASSIFICATION SYSTEM USING CNN, International Journal of Scientific Research in Engineering and Management (IJSREM), DOI: 10.55041/IJSREM24735, ISSN: 2582-3930 Volume: 07 Issue: 07, 2023.
22. Punith D V, Raghavendra S P, Blockchain Implementation in the Financial Industry to Enhance Scalability, International Journal of Innovative Research in Computer and Communication Engineering, e-ISSN: 2320-9801, p-ISSN: 2320-9798| www.ijrcce.com | Impact Factor: 8.379, Volume 11, Issue 7, DOI: 10.15680/IJRCCE.2023.1107045, July 2023.
23. Sonu S, Raghavendra S P, Machine Learning for Identifying Inauthentic Reviews, International Journal of Innovative Research in Computer and Communication Engineering, e-ISSN: 2320-9801, p-ISSN: 2320-9798| www.ijrcce.com | Impact Factor: 8.379, Volume 11, Issue 7, July 2023.
24. Soundarya H N, Raghavendra S P, Big Mart Sales Prediction Using Random Forest Algorithm, International Journal of Innovative Research in Computer and Communication Engineering, e-ISSN: 2320-9801, p-ISSN: 2320-9798| www.ijrcce.com | Impact Factor: 8.379, DOI: 10.15680/IJRCCE.2023.1107039, Volume 11, Issue 7, July 2023
25. Harisha Naik.T, Raghavendra.S.P and Rajath Sharma, “Watermarking Images using Singular Valued Decomposition in DCT and DWT”, Indian Journal of Natural Sciences, www.tnsroindia.org.in ©IJONS Vol.13 / Issue 75 / December / 2022, International Bimonthly (Print) ISSN: 0976 – 0997
26. Bhumika U P, Dr Raghavendra S P, Autism Spectrum Disorder Detection Using Facial Recognition With Machine Learning, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
27. Bi Bi Hajira Khanum, Dr Raghavendra S P, Price Comparison using Web-scraping and Data Analysis, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
28. Bindu M G, Dr Raghavendra S P, Machine Learning Technique to Identify the Breast Cancer, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
29. Chaithra S, Dr Raghavendra S P, Ultrasonic blind stick with GPS and GSM capabilities, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
30. Chandana K R, Dr Raghavendra S P, Climate Change Projection Using Time Series, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.

31. Ruchitha G, Dr Raghavendra S P, Glaucoma Stage Detection Using CNN, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
32. Ruchitha H.P, Dr Raghavendra S P, Enhancing security in payment platform to prevent fraud, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
33. Sabreen M, Dr Raghavendra S P, Identifying Stress Factors In IT Workers Using Machine Learning, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
34. Sadiya Fathima, Dr Raghavendra S P, A Novel Method for Detecting Bone Fractures via Deep Supervised Learning from Radiological Pictures, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
35. Sahana S H, Dr Raghavendra S P, An Innovative Method for Categorizing Satellite Images via Enhanced Deep Convolutional Neural Network, JNNCE JOURNAL OF ENGINEERING & MANAGEMENT, SPECIAL EDITION 2, ISSN 2582-0079, 2024.
36. Dr. Raghavendra S P, Ahmed R. A. Shamsan et al, Assistant Professor published a Scopus Indexed Elsevier Indexed Journal with title **“Enhancing CCTV Video Quality for Improved Segmentation and Detection of Suspicious Human Activities in Crowd and Non-Crowded Public Spaces: A Pre-Processing Approach”** in Journal of Harbin Engineering University ISSN: 1006-7043 Vol 45 No. 7 July 2024. **Q4**



Books Published:

Published a Book entitled **“FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING”** First edition ISBN-13:978-8119843664, ISBN-10: 8119843665.

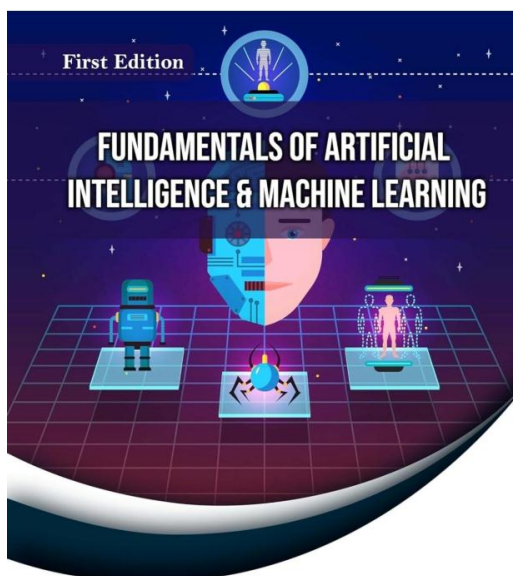
PUBLISHER: AG Publishing House(AGPH Books)

Publication Date: 12th October 2023

Pages: 219

Book Overview:

We have been curious in teaching computers to learn ever since they were first developed. The implications would be enormous if we knew how to teach them, via programming, to learn and improve automatically with use. Think of personal software assistants that learn their users' changing interests and then highlight the stories from the online morning newspaper that are most relevant to them based on that information; computers that learn from medical records which treatments are best for new diseases; homes that learn to optimize energy costs based on the unique usage patterns of their occupants. If we could figure out how to teach machines, it would pave the way for all sorts of advanced computing applications and individualized experiences. Human learning skills (and shortcomings) may be better understood with a deeper knowledge of information processing methods for machine learning. Within the recent decade, "machine learning" and "artificial intelligence" have been widely used in a variety of settings. Both phrases are widely used in the scientific and media communities, often with overlapping but not always synonymous meanings. The authors of this book set out to define the terminologies at play here and, more specifically, to outline the role that machine learning plays in AI. The authors provide a literature analysis and a conceptual framework that explain how machine learning contributes to the development of (artificial) intelligent agents.



Dr. Shoieb Ahamed
Dr. Raghavendra S P



Paper Presentation DETAILS:

Sl. No	Name of faculty	Title of conference	National/ International	Organizing institute	Date(from-to)	Duration
01	Raghavendra S P	International Conference on Computational Intelligence in Data Mining (ICCIDM-2015)	International	R.I.T., Berhampur, Odisha, India	5th and 6th December 2015	02 days
02	Raghavendra S P	International Conference on Trends in Automation, Communication and Computing Technologies (ITACT-2015)	International	A.I.T, Bangalore	23rd and 24th december 2015	02 days
03	Raghavendra S P	National Conference On Computational Sciences And Soft Computing NCCSSC – 2017	National	JNNCE Shimoga	14th and 15th Dec 2017	02 Days
04	Raghavendra S P	International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R)	International	Solapur University, Solapur, Maharashtra	21st and 22nd Dec. 2018	02 Days
05	Raghavendra S P	International Conference on Data Science & Communication (IconDSC 2019)	International	Christ University, Bangalore	01st and 02nd March 2019	02 Days
06	Raghavendra S P	International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R2020), Aurangabad	International	Maratavada University, Aurangabad	03rd and 04th January 2020	02 Days

Faculty Training programmes/STTPS/Workshops DETAILS (Attended as Resource Person):

Sl. No	Programme/ Workshop On	Date	Venue	No of days	Sponsored by
1.	Introduction to Visual Studio and Database Connectivity	28-03-2012	Sahyadri College Shimoga	01 day	UGC and Accredited by NAAC
2.	Information technology and its applications in Business	11-10-2017	Institute of Management studies and Research, Jnana sahyadri, Kuvempu university, Shankaraghatta	01 day	UGC and Accredited by NAAC
3.	Invited talk on	29-01-2018	Department of PG	01 day	UGC and

	“Algorithms and its Applications”		studies and Research in Computer Science, , Kuvempu university, Shankaraghatta		Accredited by NAAC
4.	Application of Science & Mathematics Software	24-042019 to 30-04-2019	Department of Mathematics, DVS Institute of Special training, Shimoga	02 days	Desheeya Vidya Samithi®, DVS Shimoga

ACADEMIC EXPERIENCE

Courses Taught:

- MCA (Masters Degree in Computer Applications)
- M.Sc. CS (Masters of Science in Computer Science)
- BCA(Bachelor of Computer Application), BSc(CS)

Subjects Taught:

Design& Analysis of Algorithms, Advanced Computer Network, Database Management System, Operating System, Data Structures, Programming Languages, Management Information System, Computer Architecture, Software Engineering, Computer Ethics and Profession, Pattern Classification, Operation Research, Multimedia Systems, Enterprise Resource Planning, JAVA, Cloud Computing.

Projects Guided:

- Guided more than 40 industry as well as research projects for PG and UG students

Academic Responsibilities

- Designed Post Graduate technical courses (syllabus, guidelines, eligibility, examination etc.)
- Ability to organize conferences, workshops, short term courses at National level
- Coordinated alumni and placement activities
- Ability to lead, motivate & manage team
- Ability to set up research labs and plan research activities

Programs Conducted

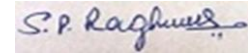
- Team Coordinator of INCREDIBLE-05 a State level Technical Contest for VTU Students.
- Team Coordinator of UG FEST conducted every -06, Technical Contest for the UG students of Kuvempu University.
- Coordinated for District level IT- Mela for 2006-10
- Coordinated for UG FEST-07, Technical Contest for the UG students of Kuvempu University.

Membership of Professional Bodies: MISTE

Faculty Training programmes/STTPS/Workshops DETAILS (Attended):

Sl. No	Programme/ Workshop On	Date	Venue	No of days	Sponsored by
1.	Data Ware House and Data Mining	02-01-2007 To 05-01-2007	Dept of CSE JNNCE, Shimoga	04- 01 Week	NES JNNCE
2.	Linux Campus Networking Installation and Maintenance	01-08-2007 To 05-08-2007	Dept of ISE,CSE,MCA JNNCE, Shimoga	05- 01 Week	NES JNNCE
3.	Advances in E-Business Applications and Management Information Systems	16-06-2008 To 20-06-2008	Dept of ISE JNNCE, Shimoga	05- 01 Week	AICTE-ISTE
4.	Linear Algebra and its Engineering Applications	26-12-2009 To 30-12-2009	Dept of PG Studies & Research in Computer Science, kuvempu University, Shankaraghatta	05- 01 Week	kuvempu University, Shankaraghatta
5.	Operation Research and its Applications	27-07-2010 To 31-07-2010	Dept of ME JNNCE, Shimoga	05- 01 Week	NES JNNCE
6.	Linear Algebra and its Applications	24-01-2011 To 28-01-2011	Dept of TE/EC JNNCE, Shimoga	05- 01 Week	IETE, JNNCE
7.	School on Graph Algorithms	26-03-2011 To 31-03-2011	Dept of CS, Karnatak university, DHARWAD	05- 01 Week	Karnatak University and VTU Belgaum
8.	Enterprise Solution for Web Applications	02-01-2012 To 13-01-2012	C-DAC, Hyderabad	12- 02 Weeks	CDAC and Govt. of INDIA
9.	Research Methodology	15-01-2013 To 24-01-2013	Dept of ME JNNCE, Shimoga	10-02 Weeks	Approved by ISTE
10.	Pedagogy for effective use of ICT I Engineering education	05-01-2015 To 21-01-15	Dept of TC JNNCE, Shimoga	02 weeks	IIT Bombay (MHRD, Govt of india)
11.	Pattern Classifiers	26-03-2015 To 28-03-2015	kuvempu University, Shankaraghatta	03 days	kuvempu University, Shankaraghatta
12.	Design of algorithms	25-05-2015 To 30-05-2015	Dept of MCA JNNCE, Shimoga	02 weeks	IIT Kharagpur (MHRD, Govt of india)
13.	NBA-OBE Workshop	23-01-2017 To 27-01-2017	JNNCE, SHIMOGA	05- 01 Week	NES JNNCE
14.	Python programming	09 th June 2017 11 th june 2017 and 16 th to 18 th june 2017	JNNCE, SHIMOGA	02 weeks	NES JNNCE
15.	Cyber Security	01-02-2021 TO 05-02-2021	JNNCE, SHIMOGA	01 weeks	ATAL, AICTE
16.	A Pedagogy for Effective use of 5G Communication	13-07-2021 TO 17-07-2021	JNNCE, SHIMOGA	01 weeks	ATAL, AICTE

	Network for Cloud Applications.				
17.	Quantum Computing: Pioneering Innovations in Modern Computer Technology	09-12-2024 TO 14-12-2024	UBDTCE, Davanagere	01 weeks	ATAL, AICTE
18.	Generative AI – Democratization of AI, Responsible AI	17-02-2025 TO 22-02-2025	BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOGY, Davanagere	01 weeks	ATAL, AICTE



(Dr Raghavendra S P)