


Faculty Profile

Name of Faculty	Dr. Kiran Y.C	
Department	Information Science and Engineering	
Qualification	B.E., M.Tech., Ph.D.	
Designation	Professor	
Area of specialization	Image Processing and Pattern Recognition	
Date of Joining to BNMIT	23.07.2015	
Nature of Association (Regular/Contractual/Adjunct)	Regular	
Mobile Number	+919448166135	
E-mail	yckiran@bnmit.in, kiranchandrappa@gmail.com	
No. of years of Experience	Teaching:18 years Research:03 years	

Academic Qualifications

Degree	Institution	Month and Year of Passing	% of Marks obtained
Ph.D	Jain Univeristy, Bengaluru, India	November 2015	Awarded
M.Tech	Sri Jayachamarajendra College of Engineering, Mysore,India	February 2003	72
B.E	Adichunchanagiri Institute of Technology, Chikmagalur,India	February 1997	75

Working Experience Details

Sl.No	Designation	Institution/Organization	Duration
1	Professor	BNMIT, Bengaluru	1/8/2016 - till date
2	Associate Professor	BNMIT, Bengalore	23/7/2015 – 31/7/2016
3	Associate Professor	DSCE, Bengalore	23/4/2010 – 16/7/2015
4	Lecturer	NCT, Nizwa, Oman	12/9/2008 – 25/12/2009
5	Assistant Professor and HOD	AIT, Chikmagalur	10/3/2008 – 31/07/2008
6	Assistant Professor	AIT, Chikmagalur	01/09/2005 – 09/03/2008
7	Lecturer	AIT, Chikmagalur	25/11/1999 – 31/08/2005
8	Contact Engineer	HAL, Bengalore	16/02/1998 – 16/02/1999
9	Software Engineer	Microport Infotech Pvt.Ltd	1997 - 1998

Subject taught

Software Engineering, Operating Systems, Advanced Computer Architecture, Computer Networks, Database Management Systems, Computer Organizations, Object Oriented Analysis Design and Modeling, Client Server Computing, Wireless Sensor Networks, Management and Entrepreneurship, Image Processing, E-Commerce, Data warehousing and Data Mining.

Research Experience Details:

M. Tech:

Smart Card Design and Analysis.- Design of smart cards software and data storage in the system. Providing the security and efficient accessibility to authorized user.

Ph.D:

“Analysis and Understanding of Handwritten text” Analysis of handwritten text refers to preprocessing steps and feature extraction. Understanding refers to classification or matching and post processing operations. In analysis phase a novel handwritten text line segmentation algorithm which works efficiently in multilingual context, The handwritten text segmentation algorithm is compared with well known existing algorithms, the major phase in analysis is text line skew estimation and its correction. The use of structural characteristics is depicted in segmenting characters of handwritten words. As a part of understanding phase, a novel feature representation technique known as FOURLETS is introduced. Extensive experiments are carried out and the results depict the effectiveness of the proposed approaches.

Research Supervision

Sl.No.	Name of the student	Ph.D / M.Phil	University	Year of completion	Title of Research Topic
1	Smt. Krupa Shankari Suresh Sandyal	Ph.D.	VTU, Belagavi, India	Pursuing	Analysis and Understanding of Handwritten text recognition for multilingual south Indian scripts
2	Sri. Siddanna S.T	Ph.D.	VTU, Belagavi, India	Pursuing	An Integrated Approach for Handwritten Character Recognition in Kannada Scripts
3	Sri Prashanth J	Ph.D.	VTU, Belagavi, India	Pursuing	Investigation on developing test automation software using Agile software testing mythologies
4	Smt. Sajitha	Ph.D	VTU, Belagavi, India	Pursuing	Disease diagnosis using machine learning of coffee and pepper plants
5	Smt. Shanthala	Ph.D	VTU, Belagavi, India	Pursuing	Domain Independent model for Topic Modeling and Polysemy words

Academic Positions and other Responsibilities (Institute Level):

1. **Member**, Anti-ragging Committee, BNMIT (2016-17)
2. **Assistant Management Representative (AMR)**-ISO Coordinator, BNMIT (2017-18)
3. **Coordinator** – Chief Examination Coordinator (2018-19)
4. **Coordinator** – Faculty Development Program on ‘Machine Learning’(2016)
5. **Coordinator**, Quality Program QUFU at NCT, Nizwa, Oman (2008-09)
6. **Coordinator**, Industry-Organization coordination for Projects at NCT, Nizwa, Oman (2008-09)

Consultancy work undertaken:

- Worked as a consultant for the project in Aspire Business Solutions, Bengaluru, India (25th Dec 2015 - 31st Dec 2017).

Visiting Faculty:

- Worked as Visiting Faculty in Manipal University, Bengaluru for Master of Science in Engineering (MS in Engineering) Programme, Bengaluru, India (2011-13).

Staff Selection Team:

- Member of Teaching Staff Selection Team at Bangalore Institute of Technology, Bengaluru, India for ISE and MCA Department on 11th Aug. 2017

Extracurricular Activities:

- Represented Kuvempu University Cricket Team and Shuttle Badminton team (1993-1996)

Professional Memberships:

- Life Member, Indian Society for Technical Education (ISTE)-LM 33742
- Life Member, The Society of Digital Information and Wireless communication -ID6239.

Workshops /Seminars Organized:

1. Faculty Development Program on 'Machine Learning', at BNMIT, Bengaluru, India from 18th - 23rd Jan 2016.

Research Publications:**I. In National & International Journals****International Journals:**

1. Nirmitha Nagaraj, Kiran Y.C, 'Offline Signature Authentication system using Machine Learning', i-manager's Journal on Pattern Recognition (JPR), Vol. 5, Issue No. 1, ISSN 2349-7912, March -May 2018. IF:0.171
2. Ambuja K, Kiran Y.C, 'Determination and Classification of Blood Groups Using Image processing Techniques', International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 05, pp 522-526, e-ISSN: 2395-0056, p-ISSN: 2395-0072, May 2018, Impact Factor: 6.171
3. Nirmitha Nagaraj, Kiran Y.C, 'Offline Signature Verification using Neural Network', International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 05, pp-4206-4211, e-ISSN: 2395-0056, p-ISSN: 2395-0072, May 2018, Impact Factor: 6.171
4. Ashiranka, Kiran Y.C, 'Space invaders: "an educational game in virtual reality', International Research Journal of Engineering and Technology (IRJET), Volume: 05 Issue: 06, pp-1504-1507, e-ISSN: 2395-0056, p-ISSN: 2395-0072, June 2018, Impact Factor: 6.171
5. Usha, Kiran Y.C, 'Secure and Efficient Data integrity proof and recovering data for identity-based proxy-oriented data uploading in cloud computing (IB-PODUC)', Global Journal of Engineering Science and Research Management, GJESRM, Volume 4, pp.51-57, ISSN 2349-4506, May 2017, Impact Factor: 2.785
6. Suki, Kiran Y.C, 'Survey on Assessment of Carotid Arteries using Various Segmentation Techniques', Imperial Journal of Interdisciplinary Research, IJIR, Volume 4, Issue 5, PP-1067-1071, ISSN: 2454-1362, May 2017
7. Suki, Kiran Y.C, 'Arterial Bisection, Reformation and Alignment of Femoral Nerve in USG Anesthesia Technique', Imperial Journal of Interdisciplinary Research, IJIR, Volume 3, Issue 7, PP-527-534, ISSN: 2454-1362, July 2017

8. Divyashree, Kiran Y.C 'Malicious Node Detection by Identification of Gray and Black Hole attacks using Control Packets in MANETs' , Imperial Journal of Interdisciplinary Research, IJIR, Volume 3, Issue 1, PP-1-5, ISSN: 2454-1362, July 2017
9. Krupashankari, Kiran Y.C,'A Survey on Offline Recognition of South Indian Scripts', International Journal of Advance Research in Science and Engineering, Volume 06, Issue 08, PP-79-86, ISBN: 978-93-86171-60-3, ISSN:2319-8354 August -2017
10. Ashwini H.K, Kiran Y.C, 'Multilevel Security for Highly Sensitive Cover Image based on RDH using Histogram Shifting', International Journal of Innovative Research in Science, Engineering and Technology, IJRSET-2016, ISSN 2347-6710, Vol:5, Issue: 4, PP(5243-5247) – 2016
11. Chethan Kumar, Kiran Y.C, Kannada Handwritten Character Segmentation using Curved line and Recognition using Support Vector Machine', International Journal of Combined Research & Development IJCRD 2016, ISSN 2321-2241, Vol:5 ; Issue 4, 2016, pp (641-645)-2016
12. Vandana K.V, Kiran Y.C, 'CHUI-concise and lossless representation of HUI's' International Journal of Innovative Research in Science, Engineering and Technology, IJRSET-2016, ISSN 2347-6710, Vol:5, Issue: 4, 2016
13. Soumya, Kiran Y.C,'Collaborative Bandwidth aggregation for Faster streaming of video', International Journal of Current Trends in Engineering and Research, IJCTER -2016, Volume 2, Issue 5, pp. 20-26, ISSN 2455-1392, May-2016
14. Handwritten Word Segmentation Using Average Longest Path Algorithm, International Journal of Innovative Research & Advanced Studies (IJIRAS), Artificial Intelligence and software Engineering, AISE-15, ISSN: (2394-4404), New Horizon College of Engineering, Bengaluru.
15. Kiran Y.C, Manjunath Aradhya,The Unconstrained Handwritten Text Line Segmentation: An Improved Technique', i-manager's Journal on Image Processing (JIP), Vol. 1, No. 4, pp (24-31), ISSN 2349-4530, October - December 2014.
16. Kiran Y.C, Manjunath Aradhya,'An Effect of Ridgelet Transform on Various Distance Measure Techniques in Handwritten Character Recognition', i-manager's Journal on Pattern Recognition (JPR), Vol. 1, No. 4, ISSN 2349-7912, December 2014 - February 2015.
17. Kiran Y.C, Roopa,'A Comparative Study of Different Feature Extraction and Classification Methods for Recognition of Handwritten Kannada Characters', International Journal of Engineering Research and Technology (IJERT), ISSN 2278-0181,ESRSA Publications, ICESMART-2015,Bengaluru.
18. Kiran Y.C, Lohith,'A Comprehensive Survey on Kannada Handwritten Character Recognition and Dataset Preparation', International Journal of Engineering Research and Technology (IJERT), ISSN 2278-0181–ICESMART-2015,T.JohnInstitute of Technology, ESRASA Publication, Bengaluru
19. KiranY.C, Nithin,'Offline Handwritten Kannada Character Segmentation and Recognition based on Zoning Method' International Journal of Mathematical Science and Computing (IJMSC), ISSN 2310:9025, DOI:10.5815/ijmsc, 2015
20. Roopa, Kiran Y.C, 'Offline Handwritten Kannada Character Segmentation and Recognition based on Zoning Method- Improved' International Journal of Computer Science and Information Technology Research, (IJCSITR), pp(1107-1114), Vol-3, Issue 2, ISSN 2348:1196, 2015
21. Nithin, Kiran Y.C, 'Segmentation of Kannada Handwritten Connected Characters', International Journal of Computer Applications International Conference on Information and communication Technology (ICICT),2014, ISSN 0975-8887, PESITM, Shimoga
22. Tippu, Kiran Y.C,“Cross-Language Instant Messaging”, International Journal of Scientific and Research Publications, IJSRP, Volume 3, Issue 11, November 2013, ISSN 2250-3153
23. Lohith, Kiran Y.C,'Segmentation of Kannada Handwritten Character and Recognition using Twelve Directional Feature Extraction Techniques', International Journal of Computer Science and Information Technology Research, Volume 3, Issue 2, pp:(1135,1139), June 2015, ISSN 2348-1196.

II. In National/International Conference Proceedings

1. Vandana, Kiran Y.C 'A Comparative survey on representation on Closed+ High Utility Itemsets (CHUIs)', 5th National Conference on Emerging Trends in Engineering Technologies, ETET 2016, Jyothi Institute of Technology, Bengaluru,
2. Ashwini H.K, Kiran Y.C, A Survey on Encryption of images using Reversible Data Hiding technique', 5th National Conference on Emerging Trends in Engineering Technologies, ETET 2016, Jyothi Institute of Technology, Bengaluru, 2016
3. Kiran Y.C, Roopa R Tonshyal, 'A Comparative Study of Different Feature Extraction and Classification Methods for Recognition of Handwritten Kannada Characters', International Conferences – ICESMART-2015, T.John Institute of Technology, 2015
4. Kiran Y.C, Lohith , 'A Comprehensive Survey on Kannada Handwritten Character Recognition and Dataset Preparation', International Conferences – ICESMART-2015, T.John Institute of Technology, Bengaluru.
5. Soumya Chidambara, Kiran Y.C, 'Survey on streaming video with neighboring nodes', National Conference on Computing Technologies, NCCTT 2016, K.S School of Engineering and Management, Bengaluru, 2016
6. Memthoi Karam, Kiran Y.C, 'Hybrid Feature Extraction for Segmentation of Handwritten English Characters', International conference on Advanced Computer Science and Information Technology (ICACSIT) 8th May, 2014 at Bengaluru, by Institute Of Technology & Research (ITR) in association with IRF for presentation in Conference.
7. Kiran Y.C, Praveen, "Kannada Handwritten Character Segmentation using Water Reservoir Method", International Conference on Electrical, Electronics and Computer Science, (ICEEC 2013), International Journal of Systems, Algorithms and Applications, (IJSAA) Hyderabad, ISSN 2277-2677, PP (127-129), ISBN – 978-81-923541-0-3
8. Roshni, Kiran Y.C, 'Cloud Solution for Hospital Management', 2nd International Conference on Electrical, Electronics and Computer Science, (ICEEC 2013), Hyderabad, India
9. Roshni, Kiran Y.C, 'Mother Infant Nurturing Application', International Conference on Latest Trends in Engineering & Technology (ICLTET 2013), Tirupati.
10. Shruthi, et.al, Kiran Y.C ' Text extraction from images with complex background', National Conference on emerging information technology and engineering solutions (IEITES 2012), Aug 24-25, 2012, REC, Bhalki, India
11. Ambika Biradhar, Kiran Y.C, 'Telecom CDR Analysis', National Conference on Information Sciences, (NCIS 2011), April 27-28, Manipal University, Manipal, India
12. Lavanya N.C, Kiran Y.C, ' Text Extraction and Verification from Video based on SVM', International Conference on Communication, Computation, Management and Nanotechnology (ICN 2011), September 23-25 2011, REC, Bhalki, India
13. Ambika Biradhar, Kiran Y.C, 'The CDR Analysis in Telecom using SSIS and SSRS', International Conference on Communication, Computation, Management and Nanotechnology (ICN 2011), September 23-25 2011, REC, Bhalki, India

Invited Talks Delivered:

1. "Wireless Sensor Networks", at Department of CSE, NMAMIT, Nitte, India on 22nd Feb 2013

Chairmanships at National/International Conference/Seminars:

1. Reviewer for a Book chapter 'Modern Techniques for Agricultural Disease Management and Crop Yield Prediction.' IGI Global disseminator of knowledge publication, USA

2. Chairperson for the technical session in International Conference on Applied and Theoretical Computing and Computing and Communication Technology (iCATccT-2015) at BIET, Davanagere, on 31st October 2015
3. Chairperson for technical session in National Conference on Computing Technology (NCCT-2016) at KSSEM, Bengaluru on 26th April 2016
4. Panel of Judge for Paper presentation on ‘Emerging Technology’, at BNMIT, Bengaluru, India, on 12th May 2017
5. Chairperson for the technical session in National Conference on Advances in Information Technology (NCAIT-18), on 9th May, 2018, at SJBIT, Bengaluru
6. Technical Program Committee (TPC) member for IEEE –International Conference on Contemporary Computing and Informatics- October 2018(IC³I-2018), at Amity University, Gurgaon.
7. Technical Program Committee (TPC) member for IEEE –International Conference on Big data Analytics and Computational Intelligence- March 2017, (ICBDACI-2017), at Chirala Engineering College, Chirala, Andra Pradesh.
8. Technical Program Committee (TPC) member for IEEE sponsored International Conference on Communication, Computing & Internet of Things - (IC3IoT 2018), at Sri Sai Ram Engineering College, Chennai, India from 15-17 February 2018.

Participation in Training courses/Seminars/Workshops

1. Participated in Five day Faculty Development Program on ‘**Data Analytics**, at BNMIT, Bengaluru, from 21st -25th January 2019
2. Participated in two workshop on **Assessment for Introductory Programming Course**, at BNMIT, Bengaluru in association with BITES from 18th -19th December 2018
3. Attended Nine day program for evaluation of **Internship program and meetings to explore business opportunities**, during 22nd-30st July 2018, RIPO, Epam, Belarusian State University, Minsk, Republic of Belarus
4. Participated in Five day Faculty Development Program on ‘**Biomedical Signal Processing**’ at BNMIT, Bengaluru from 11th-15th June 2018
5. Participated in Two Day workshop on ‘**Global R&D Summit 2017-‘ Destination India: R&D and Innovation for socio-Economic and Industrial Development**’ organized by DST- Govt. of India, Dept of IT, BT and S&T- Govt. of Karnataka, Federation of Indian chamber of Commerce and Industry (FCCI), India-Russia Diplomatic Relations., Bengaluru, from 6th -7th March 2017
6. Participated in One day Faculty Development Program on ‘**Round table Conference program on ‘Education’s Digital Transformation**’ with MIT Professor Dr Abel Sanchez from MIT, USA. Organized by Accenture Services Pvt. Ltd.BDC 7, Pritech Park (SEZ) Phase 1 RMZ Ecospace Internal Road, Adarsh Palm Retreat, Bellandur, Bengaluru, on 4th April 2017.
7. Participated in One day Faculty Development Program ‘**Teachers as Catalysts for Change**’, organized by Heartfulness Institute and BNMIT, Bengaluru at BNMIT, Bengaluru, on 21st January 2017
8. Participated in Six day Faculty Development Program on ‘**Research Frontier in Networking- A Tool Driven Approach**’ at BNMIT, Bengaluru, from 16th -21st January 2017
9. Participated Three days in National conference on ‘**Product Design –NCPD-2016**’, Organized by MSRIT, Bengaluru, from 1st -3rd July 2016.
10. Participated Six day ‘**Quality improvement Program /Faculty Development Program on Innovative Teaching Methods**’, by National Institute of Technical Teachers Training and Research organized by BNMIT, Bengaluru, from 18th -23rd July 2016.
11. Participated Three day workshop on ‘**Preparation for Accreditation by NBA**’ at BNMIT, Bengaluru, from 3rd -5th December 2015.

12. Participated in Two day Faculty Development Program on ‘**Intellectual Property Rights – significance for Academia in Business and Research**’, organized by Dept of MBA, at BNMIT, Bengaluru, on 20th August 2015.
13. Participated in Three day Faculty Development Program on ‘**Bigdata and IOT**’, organized by Dept of CSE and ISE, at DSCE, Bengaluru, from 29th -31st January 2015
14. Participated in One day Workshop on ‘**Apple in Higher Education**’, Organized by VTU Regional office, Bengaluru on 29th April 2015
15. Participated in One day workshop on International Seminar on ‘**Cultivating Character**’, RISC,DSCE, organized by DSCE, Bengaluru on 7th August 2010
16. Participated in Three day workshop on International Seminar on ‘**The Future of our Civilization**’, at Jain University and The Mythic Society, Bengaluru, from 22nd -24th December 2012.
17. Participated in Two day Research ‘**Retreat program**’, at Jain University, Bengaluru, from 18th - 19st August 2012.
18. Participated in Five day Faculty Development Program on ‘**Heritage and Inscription Document Processing**’, at MSRIT, Bengaluru, from 28th -1st June 2012.
19. Participated in Two day ‘**Skill Development Program**’, at Jain University, Bengaluru, from 20th -21st July 2012.
20. Participated in Five day Faculty Development Program on ‘**Advanced Image Processing and Pattern Recognition**’, at SJBIT, Bengaluru from 26th – 30th July 2011
21. Participated in Two day Forum Nokia Qt-for Mobile Program on ‘**Qt Applications**’, at REVA ITDM, Bengaluru from 9th-10th February 2011
22. Participated in Two day Workshop on ‘**Software Architecture**’ at Auden Tech. and Mgmt, Bengaluru fro 12th -13th Aug 2010.
23. Participated in One day workshop on ‘**Character Solutions International**’, at DACE, Bengaluru on 7th August 2010
24. Participated in Two day work shop on ‘**Ph.D in Computer Science – A Perspective**’, at IISc, Bengaluru on 2nd July 2010
25. Participated in Two day workshop on ‘**Industrial Robotics**’, at AIT, Chikmagalur, from 27th -29th April 2007.
26. Participated in Five day workshop on ‘**Distributed system and Distributed Computing**’, at AIT, Chikmagalur, from 26th -30th March 2007.

Visits Abroad:

1. Visited and Worked as a faculty member in the Nizwa college of Technology, NCT, Nizwa, OMAN (2018-19)
2. Visited as a evaluator for internship program and meetings to explore business opportunities, during 20th - 31st July 2018, at RIPO, Epam, at Minsk. Republic of Belarus

Family Details:

- **Date of Birth:** 10 - 07 –1971.
- **Spouse Name:** Smt. Sheela H.G
- **Son Name:** Master Rishi Kiran
- **Passport Number:** R-2931359 (valid till 6st August 2027)

15th August 2018

Dr. Kiran Y.C