

Dr. K.BHARGAVI

ithod@kmit.in
bhargavikumbham@kmit.in
bhargavikumbham@gmail.com

+91 9912544729

Present profile:

Designation: Head of the Department

Department: Information Technology, Keshav Memorial Institute of Technology,
Narayanguda, Hyderabad, Pin 500029, India.

Career Highlights:

- A result oriented professional with **16+ years** of experience in Teaching, administration and research experience in computer science.
- **PhD Work: as a part of DBT, Major Research Project, Sri Padmavathi Mahila Viswa Vidyalayam (SPMVV), WOMEN'S UNIVERSITY, TIRUPATI.**
- Offering courses on PPS, C, Object Oriented Programming Systems, Operating Systems, Data Structures, Data Base Management Systems, Software Engineering, AI at graduate and undergraduate levels
- Reviewed and guiding graduate and undergraduate projects.
- Published research articles in Image Processing and Soft Computing Techniques.
- Conducted workshops, made presentations and delivered invited lectures in various Educational Institutions.

Research Interests: Soft Computing Techniques and Machine Learning.

Academic Qualifications:

- **Ph.D.(Soft Computing Techniques)** from Sri Padmavathi Mahila Viswa Vidyalayam (SPMVV), WOMEN'S UNIVERSITY, TIRUPATI.
- **M.Tech(CSE)** from Acharya Nagarjuna University ,AP.

Projects Guidance:

1. MCA Projects : 34
2. M.Tech Projects: 4
3. B.Tech. Projects: 26

Research papers Published

1) International Journals:

- **K. Bhargavi, S. Jyothi** (2014) "A Survey on Threshold Based Segmentation Technique in Image Processing" International Journal of Innovative Research & Development, ISSN 2278 – 0211 (Online), November, 2014 (Special Issue) Vol 3 Issue 12. Impact Factor: 0.463.
<http://www.ijird.com/index.php/ijird/article/view/58542>
- **K.Bhargavi, S. Jyothi** (2015) "DNA classification using Soft Computing Techniques", International Journal of Science Technology & Management, ISSN 2394-1537, Volume 04, Aug 2015. Impact Factor: 2.012.
http://www.ijstm.com/images/short_pdf/1440486884_338P.pdf
- **K.Bhargavi, S.Jyothi, G. Nagalakshmi**, (2016), "Medical Image Classification Using Genetic Algorithm", International Journal of Computational Science, Mathematics and Engineering, Special Issue on Computational Science, Mathematics and Biology, ISSN: 2349-8439, Impact Factor:2.651.DOI:10.18645/IJCSME.SPC.0038 .<http://ijcsme.com/Manuscripts/Special%20Issues/SPCMB-2016/c38.pdf>
- **S. Jyothi, K. Bhargavi** (2016), "CLASSIFICATION OF DNA BARCODES BASED ON IMAGE PROCESSING TECHNIQUES: A STUDY", International Journal of Pharma and Bio Sciences, ISSN 0975-6299, 2016 July, Vol 7 Issue 3. Impact Factor: 5.121.
<http://www.ijpbs.net/abstract.php?article=5195>
- **K. Bhargavi, S. Jyothi** (2016), "Classification of DNA Sequence Using Soft Computing Techniques: A Survey", in Indian Journal of Science and Technology, Dec, Volume 09, Issue 47, Scopus Journal, SJR index: 0.3. **DOI:** [10.17485/ijst/2016/v9i47/89343](https://doi.org/10.17485/ijst/2016/v9i47/89343).
<http://www.indist.org/index.php/indist/article/view/89343>.
- **Kumbham Bhargavi, Janagam J S Mani**, "Early Detection of Brain Tumor and Classification of MRI Images Using Convolution Neural Networks", JAN,2019 Lecture Notes in Networks

2) International Conferences Proceedings:

- “DNA classification using Soft computing techniques”, International conference on recent Advances in Engineering Science and Managemnet, on 30th August 2015 at PHD Chamber, New Delhi.
- “A Survey on Threshold Based Segmentation Technique in Image Processing” , International conference on IT&Buiseness Intelligence (ITBI-14) ,on 21st to 23rd Nov,2014 at IMT Nagpur & St Ann’s college for Women, Hyderabad
- “Multiclass Classification to Predict the Level of Storm and Damages Using Support Vector Machine”,IEEE , (ICInPro) – Dec,2018, ISBN: 978-1-5386-7796-4, DOI: [10.1109/ICINPRO43533.2018.9096705](https://doi.org/10.1109/ICINPRO43533.2018.9096705)
- “Early Detection of Brain Tumor and Classification of MRI Images Using Convolution Neural Networks”, 6thInternational Conference on Innovations in Computer Science & Engineering (ICICSE 2019),JAN,2019 ,vol 74, DOI https://doi.org/10.1007/978-981-13-7082-3_49; Print ISBN 978-981-13-708.

3) National Conference Proceedings:

- Mobile Data on the Road in Intelligent Transportation Systems, In proceesidings of Inter National Conference on competency Building Strategies in Business and Technology for Substantial Development, 22-23 Sep ,2011, Sai Ram Institute of Management Studies, Chennai.
- Data on the Road in Intelligent Transportation Systems, In proceesidings of National Conference on Computer science, Engineering and Applications CSEA-2012, Nov 9-10 Nov, 2012,SPMVV, Tirupati, A.P.
- A comparative study on different Object Oriented Metrics, Paper presented in National Conference on Advances in Computational Intelligence and Computer Engineering, ACICE 2013, 23-24 Oct 2013 ,SPMVV,Tirupati,A.P.
- Fuzzy Neural network model for processing medical images,in preceedings of International c onference on computational, mathematical and biological modelling (ICCBM 2016), 25 -26 March, 2016, SPMVV, Tirupati, A.P.

WORKSHOPS /FDP'S /SEMINARS Conducted:

- Conducted FDP on Operating Systems (TESSELLATOR) for a group of junior faculties @ KMIT campus from 20th June 2017 to 30th June 2017.
- Conducted a FDP on Back to Basics in MRCEW on Dec 15th 2012.
- Coordinated a seminar on Project Based Training Programme on “c, c++ and Java from 17th to 22nd dec2012.
- Conducted a **workshop** in collaboration with MREC on **Women’s in Research** under **WIE IEEE Hyderabad** on 13 & 14 Aug 2011.
- Conducted a Workshop on **LAB VIEW by** Prayog on 3 Nov 2011.
- Conducted a seminar on **Role of Projects in Academics Conducted by** MR.KARTHIK AND MR.BHANUCHANDER FROM HONEY POT ON 04-11-2011.
- Conducted a seminar on **Real Time Projects and Importance of Academic Projects.** BY MR.CH.JAIPAL REDDY AND MR.Y. SRIDHAR ON 17-09-2011.
- Conducted a seminar on **Career Opportunities in Defense** BY COL.G.RAMIREDDY, DIRECTOR (ADMIN) MRCEW, ON 30-08-2011.
- Conducted a guest lecture on **Emerging Technologies in Current Trend Conducted BY** MR.RAKESH , JUNE,2010.

WORKSHOPS/ SEMINARS/FDPs ATTENDED:

- **“Publishing Research Articles in Scopus Indexed Journals”** , by CBIT - School of Management Studies on 24th June, 2020.
- **Machine Learning with Python** , a 5 DAY FDP by B.V Raju Institute of Technology from 15th June to 20th June,2020.
- **Writing Research Grant Proposal**, a webinar by Teerthanker Mahaveer University on 15th JUNE, 2020.

- **Data Science behind Natural Language Processing**, LakiReddy Bali Reddy college of Engineering, June 8th to June 10th 2020.
- **Cyber Security**, 3 day FDP from Anurag University on 3rd June to 5th June, 2020.
- **Artificial Intelligence**, 5 Day Workshop from 22nd MAY to 27th MAY, 2020.
- **Next Generation AI Technologies for Cyber Physical systems**, Webinar on 13th May, 2020.
- **Artificial Intelligence and Deep Learning**, a 5 day workshop by Bennett University, Greater Noida, INDIA on 4th May to 8th May 2020.
- **First Leadership Talk, by MHRD Innovation Cell** on 2nd May, 2020.
- **NACC ASSESSMENT ACCREDITATION PROCESS-AN Overview**, a seminar by, IQAC, KMICS ON 16TH Nov, 2019.
- **International Conference on Fog computing and Internet of Things**, KMIT, Dec 21- 22 2018.
- **Software Engineering and Testing Methodologies** by Electronics and ICT Academy, NIT Warangal and Departments of CSE & IT, SVIT from 28th JAN 2017 to 2nd FEB 2017
- **Communication Skills in English** from 21/3/2016 to 4/4/2016 in AV COLLEGE, Hyderabad.
- **Computational Signal Processing** by Aurora Degree and PG College, Hyderabad on 12 & 13 March'15.
- **Java Technovation** on 7th Feb, 2015 in Aurora Degree and PG College.
- **IT: Education, Research and Industry**, Indo-Italian International workshop on organized by B.M. Birla Science Centre on 17th and 18th Nov, 2014.
- **Applications of MATLAB in Communications and Signal processing**, workshop from 26/11/2013 to 28/11/2013 MRIET.
- **Happiness @work and Transformation Training, WIE and IEEE** on -17th-MARCH, 2012, in MREC.
- **COMPUTING, COMMUNICATIONS, SYSTEMS AND AERONAUTICS**, international conference on "in Mallareddy college of Engineering & technology, hyd, during 18th February 2012.
- **Back to Basics**, FDP in MRCEW on Dec 15th 2012.

- **Data ware house & Data Mining**, a workshop in St.Martins Engineering College on Dec 3rd & 4th 2012.
- **Applications of MAT LAB in communications & signal processing**, a national technical seminar in MRIET, 26TH-28TH NOV -2012.
- **Advances in Data ware house & Data Mining**, a workshop in CMR Educational society on 29th & 30th Aug, 2008.
- **Wireless Communications & Mobile Computing**, a workshop in RBVRR WOMENS COLLEGE ON 9TH MARCH 2007.
- **Research Methodologies**, a seminar in RBVRR women's college Jan, 2007.

Invited Lectures and FDP's:

- Delivered a Guest Lecture **on Data Warehouse and Database Administration** at AV COLLEGE of ARTS and Science, Jan 10th, 2018.
- Delivered a Guest Lecture **in MREC** during Aug, 2013 for Web Technologies .
- Delivered a Guest Lecture **on E-Commerce** in MRCEW , Jan, 2010.
- Invited Talk on **Java and Web Technology** in FDP ON **"Faculty Quality Improvement Programme"** conducted by Malla Reddy PG College, during Jul' 2009.

Awards and Recognitions:

- Reviewer of **Technical paper presentation** organized under **ISTE Student Chapter** on 6th March, 2020 from G.Naryanamma Institute of Technology, Hyderabad.
- **CERTIFICATE OF APPRICIATION** , ON "COVID-19 Pandemic General Awareness Quiz" by **Internal Quality Assurance Cell (IQAC)** of STES's Sinhgad Institute of Management and Computer Application, Pune for spreading awareness about the Covid -19.
- Certified in **"Programming for Everybody (Python)"** offered by University of Michigan on Coursera.
- Certified in **"AI For Everyone"** offered by Stanford University on Coursera.
- **Governing Body Member** for MRCEW held on 2nd July, 2010.

- Selected a project for B.Tech **“E-Learning resource locator” for IBM TGMC-2012.**
- **Paper settings and evaluation for autonomous colleges** i.e University college for women,Koti and Nizam College , Basheerbagh , Hyderabad.
- **Paper evaluation for** Giriraj Govt.Degree College, Nizamabad.