Dr. K.BHARGAVI

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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 **19+ 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) Research papers Published in International Journals:

1. 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.pd

2. Bhargavi, K., and S. Jyothi. "A survey on threshold based segmentation technique in image processing." *International Journal of Innovative Research and Development* ISSN 2394-1537 3.12 (2014): 234-239.
https://www.semanticscholar.org/author/K.-Bhargavi/51251094

3. 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.

4. 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.
https://www.researchgate.net/publication/309193677_CLASSIFICATION_OF_DNA_BARCODES_BASED_ON_IMAGE_PROCESSING_TECHNIQUES_A_STUDY .

5. 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://indjst.org/articles/classification-of-dna-sequence-using-soft-computing-techniques-a-survey

6. K.Bhargavi, S.Jyothi (2016), "An Efficient Fuzzy Logic Based Edge Detection Algorithm", International Journal of Technical Research and Applications e-ISSN: 2320-8163, Volume 4, Issue 3 (May-June, 2016), PP. 194-196.
https://www.ijtra.com/view/an-efficient-fuzzy-logic-based-edge-detection-algorithm-.pdf?paper=an-efficient-fuzzy-logic-based-edge-detection-algorithm-.pdf

7. Kulkarni, Hriddhi, Bhargavi Kumbham, and Jangam JS Mani. "Multiclass Classification to Predict the Level of Storm and Damages Using Support Vector Machine." *2018 Fourteenth International Conference on Information Processing (ICINPRO)*. IEEE, 2018. DOI: 10.1109/ICINPRO43533.2018.9096705
https://ieeexplore.ieee.org/abstract/document/9096705

8. **Bhargavi K., Mani J.J.S. (2019),"Early Detection of Brain Tumor and Classification of MRI Images Using Convolution Neural Networks. Innovations in Computer Science and Engineering. Lecture Notes in Networks and Systems, vol 74. Springer, Singapore DOI:**
https://doi.org/10.1007/978-981-13-7082-3_49
https://link.springer.com/chapter/10.1007/978-981-13-7082-3_49

9. Bhargavi, K., and S. Jyothi. "FEATURE EXTRACTION OF DNA BARCODES FOR PRAWN SPECIES USING IMAGE PROCESSING." *Journal of Critical Reviews* 7.14 (2020): 2982-2991.
http://www.jcreview.com/?mno=129450

2)) National/ 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

- "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.

- 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 conference on computational, mathematical and biological modelling (ICCMBM 2016), 25 -26 March, 2016, SPMVV, Tirupati, A.P.

WORKSHOPS /FDP'S /SEMINARS Conducted:

- Conducted WEB SERIES/WORKSHOP BLOCKCHAIN TECHNOLOGY from 12-06-2020 to 13-06-2020.

- Conducted a seminar on The Future of Cyber Policing and Career Opportunities 20-6-2020.

- Conducted a seminar on Stress and Anxiety on 02-8-2020.

- Conducted a seminar on Mind Calming on 09-8-2020.

- Conducted a seminar on Calmness of Mind Need of the Hour on 18-09-2020.

- Conducted a seminar on Changing Face of Cyber Security on 24-02-2020

- Conducted a seminar on Cloud Computing on 13-02-2020

- Conducted a seminar on Novel Research & Implementation through IEEE Explorer on 23-12-2019.

- Conducted a seminar on Machine Learning and AI on 30-08-2019.

- Conducted a seminar on IOT AND CLOUD COMPUTING on 30-02--2020

- Conducted a seminar on INTERPERSONAL SKILLS on 08-07-2019

- Conducted a seminar on WOMEN DEVELOPMEN on 09-07-2019

- Conducted a workshop on MEAN STACK from 07-06-2019 to 20-06-2019.

- Conducted a workshop on IoT from 20-05-2019 to 15-06-201.

- Conducted a workshop on ALEXA on 03-08-2019

- Conducted a workshop on Mobile Application Development(MAD) from 17-06-2019 to 13-07-2019

- Conducted a workshop on OPEN CV AND LINUX on 14-08-2019

- Conducted a workshop on Machine Learning from 06-09-2019 to 07-09-2019

- Conducted a workshop on   GOOGLE FIREBASE on 28-09-2019

- 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:

- AICTE sponsored 6 days Online Short Term Training Program (STTP) on **'Paradigm shift in Assessment and Evaluation"** by Amal Jyothi College of Engineering from 19th to 24th October 2020.

- AICTE sponsored one week Online Short Term Training Program (STTP) on '"**Privacy and Security in IOT(Phase II)"** conducted by ANITS, Visakhapatnam, from 5th October to 10th October 2020.

- 6 Six Day Faculty development Program on **"Teaching and Learning Practices of Data Analysis through with Hands on experience"** by NIT Warangal in coordination MHRD 9th to 14thMarch 2020.

- **"Bio Medical Imaging"** by Keshav Memorial Institute of Technology from 17-06-2020 to 18-06-2020.

- **"Artificial Intelligence"** by Vignan's Institute of Engineering for Women, association with NYCI and Brain O vision from 22-05-2020 to 26-05-2020.

- **"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 June10th 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 ACCRIDATION 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.

- International conference on computational, mathematical and biological modelling (ICCMB M 2016), 25 -26March, 2016, SPMVV, Tirupati, A.P.

- International conference on recent Advances in Engineering Science and Managemnet, on 30th August 2015 at PHD Chamber, New Delhi.

- **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.

- National Conference on Computer science, Engineering and Applications CSEA-2012, Nov 9[-] 10 Nov, 2012,SPMVV, Tirupati, A.P.

- **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.

- **National conference on computational intelligence and computer engineering , SPMVV ,Thirupati ,23 and 24th October ,2013.**

- **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 locater" 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.