Personal Information

Name	Mr K.Mahesh Babu
Years of Experience	Teaching: 17 Years
Email Id	maheshbabu.k@bvrithyderabad.edu.in
Areas of Specialization	Global Positioning Systems

Educational Qualifications

Doctoral Degree	Ph.D.	Pursuing from JNTUH
PG Degree	M.Tech.	Electronics and Communication Engineering
UG Degree	B.Tech.	Electronics and Communication Engineering

Papers Published

International Journal Publications

1.**Mahesh Babu Katta**, R.Priyakanth, Tejaswini Kunam, "A Systematic Study of "Estimation of IonosphericDelay Errors in GPS", International Journal of Scientific and Research Publications (IJSRP), ISSN:2250-3153(Online)Vol.7, Issue No.1, p97-101, January 2017.

2.**MaheshBabu Katta**, Tejaswini Kunam, R.Priyakanth, "Delay Estimation of an Electromagnetic Wave Propagating through Ionosphere using Total Electron Content in GPS", International Journal of Electronics and Communication Technology (IJECT), ISSN:2230-7109(Online), Vol.8, Issue No.1, p39-42,Jan-March 2017.

3. R.Priyakanth, **Mahesh Babu Katta**, P.Ravinder, Hannah Margarate, "Formulae Trainer for Visually Impaired", International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231-5381, Vol.45, Issue No.5, p202-206, March 2017

4. R.Priyakanth , Daggula Bhavitha, **Mahesh Babu Katta**, N.M.Sai Krishna., "Heat Index Alert based Medical Alert System for Geriatrics, International Journal of Engineering and Technology(IJET), ISSN: 0975-4024(Online), Vol. 9, Issue No.2, p1095-1106, Apr-May2017.

5.**K.Mahesh Babu**, R.Priyakanth, "Arduino Based Real-time Instrumentation System for Remote Precision Farming", International Journal of Electronics and Communication Technology (IJECT), ISSN: 2230-7109(Online), Vol.8, Isssue No.2, p27-31,Apr-June 2017.

6. **K.Mahesh Babu** ,R.Priyakanth , "Performance Analysis of TMS320C6713 and 6745 DSPs using TFBBGAR FFT Algorithm", International Journal of Engineering Science and Technology (IJEST), ISSN : 0975-5462 (Online) , Vol. 9 , Issue No.5, p4710-4716, May 2017.

7.**K.MaheshBabu**,N.M.SaiKrishna,R.Priyakanth,K.Ashwitha,N.Harshitha,V.Samyuktha,D.Sruja ,T.Navya,"Sugar Cane Field Monitoring and Security System"International Journal of

Engineering Trends and Technology (IJETT) – Volume 58,Issue 2 – April 2018 . ISSN: 2231-5381, Page :104-108.

8.**K.MaheshBabu**,R.Priyakanth,G.Roshini,V.Saisri,B.H.Keerthipriya,N.Srujana,M.Taruni, "Forest Fire Detection using LoRa" Journal of Emerging Technologies and innovative research (JETIR) – Volume 7,Issue 5 – May 2020 . ISSN: 2349-5162, Page :915-918.

9. **K.Mahesh Babu** , Asna Faiz, K. Sushmitha, G. Lakshmi Priya, K.Navneetha "RFID BASED PREPAID ENERGY METER" ,International Journal of Scientific Research in Engineering and Managemet (IJSREM), Vol:5, Issue-6, Page:915-918, June 2021,

10. **K.Mahesh Babu,** D.Rithika Andrews, S.Keerthana, K.Harshini, K.Srilekha **."** ROBOT TO RESCUE A CHILD IN A BOREHOLE**"** GRADIVA REVIEW JOURNAL, Vol:5, Issue-6, Page:915-918, June 2021,

International Conference Publications

K.Mahesh Babu, R.Priyakanth, A.Radha, "Enhancement of Videos Captured Under Low Light Conditions through ICD Approach using Savitzky-Golay Filter" in the First International Conference on Recent Innovations in Engineering and Technology (ICRIEAT – 2016), Organized by Aurora's Scientific, Technological and Research Academy, Chandrayangutta, Hyderabad, held on 22nd – 23rd December 2016.

2.**Katta Mahesh Babu**, Ramagiri Priyakanth and Nyshadam Sai Krishna Kumar, "Two-Stage Enhancement of Dry Fingerprint Images Using Intensity Channel Division and Estimation of Local Ridge Orientation and Frequency", Lecture Notes in Electrical Engineering, Volume 471, Microelectronics, Electromagnetics and Telecommunications, Proceedings of ICMEET 2017, p411-422, ISBN 978-981-10-7329-8 (eBook), © Springer Nature Singapore Pte Ltd. 2018.

3.**K.Mahesh Babu,** R.Priyakanth, D.Vijayalaxmi, P.JyothiKrishsna, K.Kesavi and K.Shamini, "Intelligent Railway Gate Control System for Public Safety", International Conference on Innovative Trends in Engineering, Applied Science, and Management (ICITEASM – 2018), organized by Conference Info in association with Academic Science at Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad, Telangana, India on 25th March 2018.

4. **K.Mahesh Babu**, R.Priyakanth, N.M.Saikrishna, K.Bhavya Sri and P.Akhila " Real – Time Safety Monitoring of Warehouses using IoT ",International Conference on Technological Emerging Challenges (ICTEC 2019) organized by Tirumala Engineering College, Jonnalagadda, Narasaraopet, Andhra Pradesh, held on 15-16 March 2019.

5**. K.Mahesh Babu**, R.Priyakanth, N.M.Saikrishna, K. Supriya, P. Madhuri Latha, V. Sai Sahana Sri, T. Ashritha " RFID Based Water Dispenser", International Conference on Technological Emerging Challenges (ICTEC 2019) organized by Tirumala Engineering College, Jonnalagadda, Narasaraopet, Andhra Pradesh, held on 15-16 March 2019.

6. N.M.Sai Krishna, R.Priyakanth, **Mahesh Babu Katta**, Radha Abburi, " Soil Nutrient Survey and Google Map Cartography", 9th IEEE International Conference on System Modeling &

Advancement in Research Trends (SMART 2020), 04-05 December 2020, ISBN: 978-1-7281-8906-2

7. R.Priyakanth, N.M.Sai Krishna, Mahesh Babu Katta, "CNN Based Breast Cancer Detection", in 7th International Conference on Information System Design and Intelligent Applications (INDIA 2022) from 25th to 26th February 2022 organized by BVRIT HYDERABAD College of Engineering for Women.

FDP's Attended

- ➢ Attended 5 Days Global E-FDP on "Unleashing Research Potential: Global Trends and Practices" Organized by Office of International Relations, Galgotias University, Greater Noida, Uttar Pradesh held from March 7-11, 2022.

- ➢ Attended a one Week Online International faculty development program on "Wireless Communications and Mobile Technologies" held during 6th to 10th, July 2020 organized by Department of Electronics and Communication Engineering, BVRIT Hyderabad College of Engineering for Women in association with QCARES, Qualcomm.

- ➢ Participated in a Three day Online faculty development program on ARTIFICIAL INTELLIGENCE from 22nd – 26th may 2020 organized by Department of IT , BVRIT Hyderabad College of Engineering for Women, Hyderabad.

- ➢ Attended a Three day faculty development program on "GNSS and Applications" conducted by NPTEL.

- ➢ Participated in a Ten day faculty development program on "Introduction to Wireless and Cellular Communications" conducted by NPTEL.

- ➢ Participated in a 2 day workshop on GIS Concepts for Remote Sensing Applications from 8th – 9th January 2019 organized by IEEE Computational Intelligence and Geoscience & Remote Sensing Societies join chapter Hyderabad session in association BVRIT Hyderabad College of Engineering for Women, Hyderabad.

- ➢ Participated in a Workshop on "Unconscious Bias in the Workplace" from 8th February 2019 at VEDIC.

- ➢ Attended a three day Workshop on "Inspire Impact Introspect-Level1" from 18th -20th March 2019 at VEDIC.

- ➢ Participated in a Three day Faculty Development Program on Professional Etiquette & Emotional Intelligence held on 8th - 10th July 2019 at BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, Telangana.

- ➢ Attended a one Week faculty development program on "Principles of GNSS, Applications and Research Areas" held during 4th to 9th, June 2018 at the Department of Electronics and Communication Engineering, University College of Engineering, Osmania University, Hyderabad, Under TEQIP-III.

- Participated in a Two day international Conference on Entrepreneurship & Technology held on 3rd - 4th March 2018 at BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, Telangana.

- Participated in a Two day Workshop on "Real Time Applications of Communication Theory" By QUALCOMM held on 8th - 9th July 2017 at VEDIC.

- Attended a one Week faculty development program on "Open Source Software through Spoken Tutorials, IIT Bombay" held during 4th to 10th, November 2016 at the Department of Information Technology, BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, Telangana.

- Attended a one Week Training program on "LaTeX" offered by the spoken Tutorial Project,IIT Bombay,funded by National Mission on Education Through ICT, MHRD, Govt.,of INDIA, at, BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, Telangana.

- Attended a one day Workshop on "Advanced Programming Techniques with MATLAB" held on 16th September 2016 under TEQIP-II in Collaboration with Math Work India Pvt. Ltd. at JNTUH College of Engineering, Kukatpally, Hyderabad, Telangana.

- Participated in a Two day Workshop on "Intrinsic Motivation for TPOs" held during 16th - 17th July 2016 at VEDIC.

- Attended a Three day Workshop on "Scientific Educational Practices" held during 23rd - 25th May 2016 at VEDIC.

- Participated in a Two day Workshop "Analog Discovery Kit" held during 26th - 27th February 2016 organized by Department of ECE at BVRIT Hyderabad College of Engineering for Women under IETE Students Chapter in association with Core EL Technologies, Hyderabad.

- Attended a one day Awareness Workshop on "Outcome Based Education and Accreditation" held on 14th September 2015 at JNTU Hyderabad under TEQIP-II, JNTUHCEH.

- Attended a Three Day National Exhibition and Symposium on "Innovative & Futuristic Approaches in Science and Technology" Held on 26th -28th February, 2015 as a teacher guide at Maulana Azad National Institute of Technology, Bhopal.

- Attended a work shop on Photonics "Optical Communication, Circuit & Component Design" held on 26th November, 2014, organized by Department of ECE, Vasavi College of Engineering, Hyderabad.

- Participated in a Two day Workshop "Sensors, Data Acquisition and Automation Control" held during 12th - 13th September 2014 organized by Department of ECE at BVRIT Hyderabad College of Engineering for Women under IETE Students Branch conducted by Vi Solutions, Bangalore in association with National Instruments Systems (India) Pvt. Ltd, Bangalore.

- ➢ Attended a Two day Workshop on "Embedded Systems & PSoC" held during 12th - 13th October 2012 organized by Department of ECE at Tirumala Engineering College in association with Unistring Tech Solutions.

- ➢ Attended a two day faculty development program held during 5th to 6th, September 2008 at Tirumala Engineering College.

Professional Memberships:

- ➢ Lifetime member of Indian Society for Technical Education (ISTE), LM95661

Certifications

Completed 9 Online certification courses –

1. Global Navigation Satellite systems and Applications-NPTEL

2. Introduction to wireless and cellular Communications -NPTEL

3. Basic Electronics -NPTEL

4. Outcome Based Education & Academic Quality Assurance-Udemy

5. Programming for everybody (getting started with python)-Coursera

6. Introduction to Satellite Communication-Coursera

7. AI for Every one-Coursera

8. Mind control: Managing your mental health during COVID-19-Coursera

Any Other Achievements

- ➢ Awarded as "ADARSH ACHARYA PURASKAR" BY Indian Servers in October-2019
- ➢ Qualified UGC-NET(for National Level Lectureship Eligibility) in June-2013
- ➢ Qualified FET (Faculty Eligibility Test) conducted by JNTUH in 2013
- ➢ Completed Diploma in DSP (Cranes Software, Hyderabad)
- ➢ Awarded as "Best Teacher from the Dept. of ECE" in September-2013