

### ***Personal Information***

Name	Mr. N.M.Sai Krishna
Years of Experience	Teaching: 14 Years
Email Id	Saikrishnakumar.n@bvrihyderabad.edu.in
Areas of Specialization	Digital Electronics and Communication System



### ***Educational Qualifications***

PG Degree	M.Tech	Digital Electronics and Communication System
UG Degree	B.Tech	Electronics and Communication Engineering

### ***Funded Projects***

1. The product “Fluido Capteur” received a grant Support of Rs.2,95,000 with Incubation Linkage from the Ministry of Education's Innovation Cell, IIC, Government of India.
2. The product “Infant Cry Detector” received Rs.2,00,000 funding for product development from Telangana State Innovation Cell (TSIC) .

### ***Papers Published***

#### ***International Journal Publications***

1. N.M.SaiKrishna, K.MaheshBabu, R.Priyakanth, K.Ashwitha, N.Harshitha, V.Samyuktha,D.Srujana, T.Navya, “Sugar Cane Field Monitoring and Security System”, International Journal of Engineering Trends and Technology (IJETT) – Volume 58 Issue 2, p104-109, April 2018
2. N M Sai Krishna and R.Priyakanth, “Second Order Statistical Channel Identification in OFDM System”, International Journal for Modern Trends in Science and Technology,(IJMTST), ISSN:2455-3778, Vol.3, Issue 7, p105-111, July 2017.
3. N.M.Sai Krishna, J.SravanaKalyani, R.Priyakanth, “Apricitas Umbrella”, International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231-5381, Vol.46, Issue No.1, p36-42, April 2017
4. R.Priyakanth, DaggulaBhavitha, 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. N.M.Sai Krishna “Low Latency QCA Binary Adder with More Accuracy and ARE Optimization” IJSETR 178 , 7040-7046 ,Volume 3 ,Page 2, November 2014
6. N.M.Sai Krishna “A Extensive Active Noise Cancellation from Cardiac Signals using a Constrained Stability Least Mean Square Algorithm” IJECT Vol. 3, Issue 4, Oct - Dec 2012.
7. N.M.Sai Krishna “Performance Analysis Of Bluetooth System Using Optimized Differential GFSK Demodulator “IJERA: Volume 2 Issue 4, July-August 2012.

### *International Conference Publications*

1. N.M.Sai Krishna, R.Priyakanth, Mahesh Babu Katta, “CNN Based Breast Cancer Detection”, in 7<sup>th</sup> International Conference on Information System Design and Intelligent Applications (INDIA 2022) from 25<sup>th</sup> to 26<sup>th</sup> February 2022 organized by BVRIT HYDERABAD College of Engineering for Women.
2. R.Priyakanth, N.M.Sai Krishna, “Impact of simulation-based teaching in the development of students' exploration and learning skills” in the ninth international conference on transformations in engineering Education - 2022 (ICTIEE - 2022) organised by IUCEE on January 7<sup>th</sup> – 9<sup>th</sup>, 2022.
3. R. Priyakanth, N. M. S. Krishna, G. Karanam, M. L. Prassna, S. Baby Poojitha and J. Mounika, "IoT Based Smart Door Unlock and Intruder Alert System," 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC), 2021, pp. 6-11, doi: 10.1109/ICOSEC51865.2021.9591822.
4. N. M. Sai Krishna, R.Priyakanth , "Anegoo - No Pain, Only Gain," 2021 Asian Conference on Innovation in Technology (ASIANCON), 2021, pp. 1-5, doi: 10.1109/ASIANCON51346.2021.9544597.
5. 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
6. R, Priyakanth and N.M, Sai Krishna and Abburi, Radha, “Hand Gesture Recognition and Voice Conversion for Speech Impaired” (November 21, 2020). Proceedings of the 2nd International Conference on IoT, Social, Mobile, Analytics & Cloud in Computational Vision & Bio-Engineering (ISMAC-CVB 2020), Available at SSRN: <https://ssrn.com/abstract=3734777> or <http://dx.doi.org/10.2139/ssrn.3734777>
7. R.Priyakanth, N.M.Sai Krishna, K.Mahesh Babu, K.Bhavya Sri, P. Akhila, “Real-Time Safety Monitoring of Warehouses using IoT”, 1<sup>st</sup> International Conference on Technological Emerging Challenges (ICTEC - 2019), organized by Tirumala Engineering College, Narasaraopet, Guntur, 15 – 16 March 2019.
8. K.Mahesh Babu, R.Priyakanth, N.M.Sai Krishna, K.Supriya,P.MadhuriLatha,V.Sai Sahana Sri,T.Ashritha, “RFID Based Water Dispenser”, 1<sup>st</sup> International Conference on Technological Emerging Challenges (ICTEC - 2019), organized by Tirumala Engineering College, Narasaraopet, Guntur, 15 – 16 March 2019.
9. Ramagiri Priyakanth, Katta Mahesh Babu 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, Springer, 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.

### *Books & Book Chapter*

1. R.Priyakanth,N. M. Sai Krishna, "Suvidha: A Mobile Application for Public Grievance”

Redressal and Monitoring" December 2020, Volume 3, Annual Technical Volume of Engineering and Telecommunication Engineering Board, The Institution of Engineers (India).

***FDP's Attended***

1. Global E-FDP on “Unleashing Research Potential: Global Trends and Practices”, organized by Galgotias University, Greater Noida, Uttar Pradesh from 07-03-2022 to 11-03-2022
2. ATAL FDP on Challenges and Control of Green and Sustainable Energy systems using Artificial Intelligence techniques organized by BVRIT HYDERABAD College of Engineering for Women from 09-08-2021 to 13-08-2021
3. ATAL FDP on "Faculty Development Program on Sensor Technology" from 06/09/2021 to 10/09/2021 organized by University Institute of Engineering & Technology, Kurukshetra University, Kurukshetra
4. Innovation Ambassador Training organized by MoE's Innovation Cell & AICTE from 30-07-2021 to 31-07-2021
5. Growing Entrepreneurial Mindset (GEM) Faculty Workshop organized by Sri Vishnu Educational Society from 12-07-2021 to 26-07-2021
6. Online Faculty Development Program on Multi Technology organized by BVRIT HYDERABAD College of Engineering for Women from 28th June 2021 to 03rd July 2021
7. A FDP on Machine Learning Applications in Micro-Nano VLSI Technologies organized by BVRIT HYDERABAD College of Engineering for Women from 21st 2021 to 25th June 2021
8. A FDP on IPR & Fundamentals of Patent Filing – Prosecution organized by B V RAJU INSTITUTE OF TECHNOLOGY , NARSAPUR from 08th 2021 to 10th June 2021
9. A FDP on RECENT TRENDS IN PRECISION AGRICULTURE organized by Sant Longowal Institute of Engg. and Technology, Longowal from 31st may 2021 to 04th June 2021
10. A FDP on Wearable Devices organized by University Visvesvaraya College of Engineering from 18th to 22nd January 2021.
11. Attended sessions under Kalam Program for IP Literacy and Awareness from 15/10/2020 to 23/10/2020 organized by Ministry of Education, Government of India.
12. Online FDP on Virtual Labs, “Fiddle with Virtual Components” organized by Department of ECE, BVRIT HYDERABAD College of Engineering for Women from 04 to 05th September 2020
13. Participated in One week Online International Faculty Development Programme on “Wireless Communications and Mobile Technologies” in association with QCares, Qualcomm, from 06-07-2020 to 10-07-2020.
14. Participated in Five day International Online FDP on “Advancement in Communication Engineering Technologies with Simulation Tools” organized by Vishnu Institute of Technology, Bhimavaram from 01-07-2020 to 05-07-2020.
15. Attended Three Day Online FDP on “Innovation Opportunities in Emerging Electronics & Communication Technology”, organized by DVR & Dr.HS MIC College of Technology, Kanchikacherla, Krishna District from 19-06-2020 to 21-06-2020.

16. Attended online STTP on “Recent Trends in RADAR Signal Processing and IoT Applications” organized by BVRIT, Narsapur from 18-06-2020 to 20-06-2020
17. Attended Two-day workshop on "*Research Methodology in Research*", and "*Publication Ethics -Know Your Right Journal*", Organized by Department of R&D, IEEE BVRITH GRSS SB Chapter in collaboration with CIS/GRSS Jt Chapter, IEEE Hyderabad Section, from 28-05-2020 to 29-05-2020.
18. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things(IoT)" from National Institute of Technology.
19. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28<sup>th</sup> April to 22<sup>nd</sup> May 2020
20. Attended ‘One day Workshop on eSim, a First Course in the IoT Series for Teachers’ held at GRIET, on 21 September 2019. This training was organized by the Teaching Learning Centre ICT,IIT Bombay.
21. Attended a three-day workshop on “Inspire Impact Introspect (III Level-1)” on 18-20<sup>th</sup> March 2019 at BVRIT Hyderabad College of Engineering for Women.
22. Attended a one-day workshop on “Unconscious Bias in the Workplace (UBW)” on February 8<sup>th</sup> 2019 at BVRIT Hyderabad College of Engineering for Women.
23. Attended a Two day workshop on “Analog Discovery Kit” at BVRIT Hyderabad College of Engineering for Women under IEEE Students chapter in association with, CoreEL Technologies, Hyderabad on 26<sup>th</sup>-27<sup>th</sup> February 2016.
24. Completed the Wipro Mission10X Learning Approach Workshop conducted at DVR &Dr.HS MIC College of Technology, Kanchikacherla .
25. Participated in a Wipro Mission10X workshop conducted at DVR &Dr.HS MIC College of Technology, Kanchikacherla .
26. Successfully completed a workshop on “High Impact Teaching Skills”, organized by Wipro Mission 10X under DALE CARNEGIE TRAINING at DVR &Dr.HS MIC College of Technology, Kanchikacherla .

### ***Certifications***

- Completed the 7-week course “Sustainable Soil Management: Soil for Life” offered by WageningenX through edX course portal in August 2020
- Completed the 6-week Course with honors “Becoming a changemaker: Introduction to Social Innovation” authorized by University of Cape Town and offered through Coursera on 24-07-2020.
- Certificate of course completion on “Foundational Artificial Intelligence” from SkillUp Online, the course aligned to SSC NASSCOM Foundation AI Curriculum on May 28 2020.
- Completed Automation Anywhere Certified Advance RPA Professional
- Completed the 3-week Course “The Sustainable Development Goals-A global, transdisciplinary vision for the future” authorized by University of Copenhagen and offered through Coursera on 11-05-2020
- Completed the 3-week course Digital Skills: Artificial Intelligence, from Accenture through Future Learn Course portal on 7<sup>th</sup> May 2020.

- Completed the course “Basic AutoCAD 2D and 3D Practice Drawings” on May 06 2020 on SourceCAD course portal.
- Completed online training of Internet of Things Foundation Series on 2<sup>nd</sup> May 2020 from AWS
- Completed the 5 week-Course “Design Thinking for Innovation” authorized by University of Virginia and offered through Coursera on 28-04-2020
- Completed an Online Course on “Internet of Things” from Stanford Center for Professional Development on 25-03-2020.
- Certification on “Introduction to Technology-Enabled Learning”, a 5-week online course, from MOOCs for Development supported by IIT Kanpur on 4<sup>th</sup> November 2019
- Certification on “Blockchains for Managers – Introduction and Applications”, a 5 week online course, from MOOCs for Development supported by IIT Kanpur.
- An online course on Hands-on training Solar Study Lamp Assembly offered by IITBombayX from 01-05-2019 to 31-12-2019

### ***Any Other Achievements***

- Mentor for the project “Fluido Capteur” which is selected for Grant Support of Rs.2,95,000/- with Incubation Linkage from the Ministry of Education's Innovation Cell, IIC, Government of India. The product is developed for the automatic monitoring of I.V fluid levels in hospitals.
- Mentor for the product “Infant Cry Detector” which received Rs.2,00,000/- funding for product development from Telangana State Innovation Cell (TSIC) in Assistive Technology Summit2.0 on 3<sup>rd</sup> December 2021 and 4<sup>th</sup> January 2022.
- Mentor for the idea UPBHOG developed by GrahyaYalavarthy, AmulyaKasu, Harshitha Done, Shravani Mathukumalli of III ECE from the Department of Electronics and Communication Engineering who stood as WINNERS with a cash prize of Rs.25000/-f in TALScouts Transformers2021 - Global Youth Social Innovation Challenge under Social Advocacy Track organized by TOUCH-A-LIFE Foundation.
- Participated in Agri India Hackathon on 03rd to 05th February 2021.
- Mentored a project “Solar based Smart acclimate sprayer”in KRITAGYA- A National Level AgTech Hackathon – 2 nd November 2020.
- Mentor for the product “Anegoo” which received Special Appreciation of Best Idea with ₹25,000/-cash prize in GE Precision Health Challenge 2020 organized by GE Healthcare at Bangalore, 27 –28 January 2020 and “Letter of Merit” as finalist in 3M-CII Young Innovators Challenge Awards 2020 on 28th August 2020
- Mentor for the work on “Soil Nutrient Survey and Google Map Cartography” in Grace Hopper Celebration India (GHCI), 06 –08 January 2020. Student team have won “Esteemed Speaker” award for the presentation.
- Mentored a project on "Artificial Scribe " under JHUB hackathon league 2020 and won Second prize in League

- Mentor for the project entitled “Solar based Seed Fling Machine” and Won Second Place with a cash prize of Rs.10,000/- in ICT Academy Student Innovator Award 2019 Telangana on 23rd March 2019.
- Mentor for the project entitled “Solar based Seed Fling Machine” and Won First prize in “Agri-Tech & Water Conservation” Hackathon at Nalla Malla Reddy Engineering College, 07-08 February 2019, under JHUB Hackathon League.
- Presented a poster on “Solar Based smart Acclimate Sprayer” in Young Scientist Conference, India International Science Festival- 2020, from 22-24 December 2020.
- Presented a poster on “Electro mechanical scribe for visually impaired ” in Young Scientist Conference, India International Science Festival- 2019, from 5-7 November 2019 at Kolkata.
- The Project titled “Suvidha ” qualified for Finals in AICTE Chattra Viswa Karma Awards 2019