

### ***Personal Information***

Name	Mr. R.Priyakanth
Years of Experience	Teaching: 17 Years Industry: 9 Months
Email Id	priyakanth.r@bvrithyderabad.edu.in
Areas of Specialization	Communication & Radar Systems



### ***Educational Qualifications***

PG Degree	M.Tech	Communication and Radar Systems
UG Degree	B.Tech	Electronics & Control Engineering

### ***Funded Projects***

1. The product “Fluido Capter” 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. Priyakanth, R.; Abburi, Radha; Praveena, Manne. Design and Impact of Interactive Video Content for the Improvement of Student Engagement and Learning. Journal of Engineering Education Transformations, [S.l.], p. 518-523, jan. 2021. ISSN 2394-1707.
2. Abburi, Radha; Praveena, Manne; Priyakanth, R.. TinkerCad - A Web Based Application for Virtual Labs to help Learners Think, Create and Make. Journal of Engineering Education Transformations, [S.l.], p. 535-541, jan. 2021. ISSN 2394-1707.
3. N.M.Sai Krishna, K.Mahesh Babu, 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
4. 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.
5. R.Priyakanth, Mahesh Babu Katta, Tejaswini Kunam, Chidipothu Venkata Kalyani, Daggula Bhavitha, Gadhiraaju Sravani, “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

6. N.M.Sai Krishna, J.Sravana Kalyani, R.Priyakanth, "Apricitas Umbrella", International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231-5381, Vol.46, Issue No.1, p36-42, April 2017
7. Mahesh Babu Katta, R.Priyakanth, T.Hamsa Priya, K.Harini, M.Harshitha, S.M.Keerti Sree, "Arduino Based Real-time Instrumentation System for Remote Precision Farming", International Journal of Electronics and Communication Technology (IJECT), ISSN:2230-7109(Online), Vol.8, Issue No.2, p27-31, Apr-June 2017.
8. 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.
9. 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
10. Mahesh Babu 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.
11. Mahesh Babu Katta, R.Priyakanth, Tejaswini Kunam, "A Systematic Study of "Estimation of Ionospheric Delay Errors in GPS", International Journal of Scientific and Research Publications (IJSRP), ISSN:2250-3153(Online)Vol.7, Issue No.1, p97-101, January 2017.
12. A.Radha, R.Harikishan, R.Priyakanth, "A Robust Video Watermarking Algorithm based on SVD and VC", International Journal of Engineering Research & Technology (IJERT), ISSN:2278-0181, Vol.2, Issue No.8, p2621-2627, August 2013.
13. R.Priyakanth, Santhi Malladi, Radha Abburi, "Dark Image Enhancement through Intensity channel division and Region channels using Savitzky – Golay Filter", International Journal of Scientific and Research Publications (IJSRP), ISSN:2250-3153(Online), Vol.3, Issue No.8, p2050-2056, August 2013.
14. A.Radha and R.Priyakanth, "Performance Efficient FPGA Implementation of 2D Image Filtering using Xilinx System Generator (XSG)", International Journal of Electronics and Communication Technology (IJECT), ISSN: 2230-7109 (Online), Vol.3 , Issue 4, p373-377, Oct-December 2012
15. R.Priyakanth and A.Radha, "A Realization Methodology of Emerging Various Types of Power Gated Circuits", International Journal of Electronics and Communication Technology (IJECT),ISSN:2230-7109 (Online),Vol. 3, Issue 4,p403-406, Oct - Dec 2012.
16. R. Priyakanth and M.V. Bhavani Sankar," A Novel method for edge drawing or linking using Sobel gradient", International Journal of Engineering Science and Technology (IJEST), ISSN : 0975-5462 (Online) , Vol. 4 , Issue No.12,p4710-4716, December 2012.

### *International Conference Publications*

1. R.Priyakanth, N.M.Sai Krishna, 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 7th – 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.Madhuri Latha,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. K.MaheshBabu, R.Priyakanth, D.Vijayalaxmi, P.JyothiKrishna, 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 25<sup>th</sup> March 2018, Proceedings of ICITEASM – 2018, p688-696,ISBN 978-93-87433-18-2.
10. R.Priyakanth, Sravya Neelamraju, Rushasri Yalamanchili, “AROUND ME – An Integrated Android Application for Real-time GPS Navigation” , International Conference on Innovative Research in Engineering, Science, Management and Humanities (ICIRESMH – 2018), organized by Conference Info in association with Academic Science at The Institute of Engineers India, Visvesvaraya Bhavan, Hyderabad, Telangana, India on 1<sup>8th</sup> March 2018, Proceedings of ICIRESMH – 2018, p282-293, ISBN 978-93-87433-16-8.
11. R.Priyakanth, “Time Saver Trolley”, International Conference on Entrepreneurship & Technology (i-CET 2018), BVRIT Hyderabad College of Engineering for Women, Bachupally, Hyderabad, Telangana, 3-4 March 2018.

12. 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.
13. R.Priyakanth, K.MaheshBabu, 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 22<sup>nd</sup> – 23<sup>rd</sup> December 2016, ISBN:978-1-5396-2645-9

### *National Conference Publications*

1. Participated in SciPy India conference 2016 organized by FOSSEE, IIT Bombay on 10,11 December 2016, funded by MHRD, Govt., of India.
2. R.Priyakanth, SanthiMalladi, "Savitzky-Golay Filtered Transformation for Dark Image Enhancement through Intensity Channel Division and Region Channels", on August 1<sup>st</sup> 2013, in UGC sponsored Third National Conference on Modern Trends in Electronic Communication & Signal Processing (NCMES 2013), organized by BPC College, Piravom, Kerala, ISBN 978-81-924581-3-7
3. R.Priyakanth, SanthiMalladi, "Dark Image Enhancement through Intensity Channel Division and Region Channels using SGolay Filter", on 14<sup>th</sup> and 15<sup>th</sup> June 2013, in National Conference on Emerging Trends in Electronics & Communication Engineering (NC-emerge 2013) under TEQIP-II organized by University College of Engineering, JNTUK, Kakinada, AP.
4. R.Priyakanth, SanthiMalladi, "Content-Aware Dark Image Enhancement through region channels using SGolay Filtered Transformation", on 18<sup>th</sup> May 2013 in National Conference on Emerging Trends in Electronics & Communication (ETEC – 2013) organized by St. Ann's College of Engineering & Technology, Chirala, Prakasam District, A.P.
5. J.LaxmiNarayana, R.Priyakanth, " A Vision for Broadband Networks", on 2<sup>nd</sup> September 2006 in the National Conference on Broadband Communication Systems (NCBCS 2006) organized by Viswakarma Institute of Information Technology, Pune, ISBN:0-07-062091-1,p85-90

### *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 Conducted***

1. Conducted and Participated 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.

### ***Workshop's Conducted***

1. Organized a two-day workshop on “PCB Designing and Fabrication” on 20-21 July 2017 for II year students of ECE under IETE Students Chapter at BVRIT Hyderabad College of Engineering for Women, Hyderabad.
2. Conducted a hands-on training program on “Arduino Microcontroller Programming and Applications”, from 17<sup>th</sup> February to 5<sup>th</sup> March 2016 at BVRIT Hyderabad College of Engineering for Women under Assistive Technology Lab (ATL).
3. Conducted a workshop on “Basic MATLAB Programming” on behalf of Intra-College Faculty Development Program on 16th December 2014 at BVRIT Hyderabad College of Engineering for Women.

### ***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 Deep Learning for Audio and Speech Processing, organized by KLE Technological University, from 26-07-2021 to 30-07-2021
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 June 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 June 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. 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
12. Online Faculty Development Programme on “Demystifying 5G RF ASICs” organized by Electronics and ICT Academies, under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India. from 24th august to 04th 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. Completed One week National Level Faculty Development Program and Online training on “Scilab – An Open Source substitute for MATLAB jointly organized by JNTUH College of Engineering, Sultanpur and Spoken Tutoriala Project IIT Bombay from 25-05-2020 to 30-05-2020.
19. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Cyber Security" from 18-05-2020 to 22-05-2020 at National Institute of Technology, Warangal.
20. Attended One week National Level Online Faculty Development Program on Innovation to Academicians conducted by Ramachandra College of Engineering, Eluru under National Science & Technology Entrepreneurship Development Board from 11-05-2020 to 16-05-2020
21. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things(IoT)" from 11-05-2020 to 15-05-2020 at National Institute of Technology, Warangal.
22. 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 22nd May 2020
23. Attended Two Day Online Workshop on “*Online Tools & Software for Remote Teaching - Learning* ” held during 24th & 25th of April, 2020 organized by UGC-HRDC, JNTUH, Hyderabad, Telangana State.
24. 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 organised by the Teaching Learning Centre ICT, IIT Bombay.

25. Attended a one-day National workshop on “Regulatory Compliance for Accelerating Innovations” on May 29<sup>th</sup> 2019 at NIPER Hyderabad.
26. 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.
27. 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.
28. Attended a three –day FDP on “Emerging Trends in Manufacturing and Testing of Composite Materials”, 31<sup>st</sup> Jan – 2<sup>nd</sup> Feb 2019, at Vedic, Hyderabad.
29. Two day FDP on “Real Time applications of Communication Theory” in association with “Q Cares” Qualcomm on 8-9 July 2017 at VEDIC, Hyderabad
30. Completed LaTeX Training and passed online exam on September 20<sup>th</sup> 2016, 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.
31. Participated in a One Day Workshop on “Advanced Programming Techniques with MATLAB” held on 16<sup>th</sup> September 2016 Under TEQIP – II in collaboration with MathWorks India Pvt. Ltd. at JNTUH College of Engineering, Hyderabad.
32. Participated in One Week Faculty Development Program on “Open Source Software through Spoken Tutorials, IIT Bombay, organized by Department of Information Technology, BVRIT Hyderabad College of Engineering for Women, Hyderabad, from 4<sup>th</sup> Nov -10<sup>th</sup> Nov 2016
33. Attended a three-day workshop on “Cultivating Research Mindset” from 9-11 June 2016 at VEDIC, Hyderabad
34. Attended one-day workshop on “Art of writing Research/Conference Paper” on 8<sup>th</sup> June 2016 at VEDIC, Hyderabad
35. 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.
36. Attended a One day workshop on “First – Aid” organized by Indian Red Cross Society, Telangana State Branch on 6<sup>th</sup> February 2016 at BVRIT Hyderabad College of Engineering for Women.
37. Attended a One day workshop on “Signal Processing, Communications and Computer Vision System Design using MATLAB and SIMULINK – 2015” on 11<sup>th</sup> September 2015, organized by Directorate of Innovative Technologies, JNTU, Hyderabad
38. Participated in JNTUH EXCITE 2015 Summer Product Engineering Workshop at Department of CSE, JNTUHCEH from 28<sup>th</sup> May to 27<sup>th</sup> June 2015 in association with HYSEA and TASK.
39. Attended Faculty Training Program at Dept. of CSE, under JNTUH Excite 2015 in association with HYSEA and TASK on May 2-3<sup>rd</sup> 2015.
40. Participated as a Teacher Guide in “A Three Days’ National Exhibition and Symposium on Innovative & Futuristic Approaches in Science and Technology” Savishkar, iFAST-2015 from 26<sup>th</sup> to 28<sup>th</sup> February, 2015 at Maulana Azad National Institute of Technology, Bhopal.
41. Participated in a Workshop on Photonics “Optical Communication, Circuit & Component Design” held on 26<sup>th</sup> Nov 2014, organized by Department of ECE, Vasavi College of Engineering, Hyderabad.



42. Participated in a 3-Day workshop on “Rapid Prototyping/ 3D Printing” organized and conducted by Engineering Staff College of India(ESCI) Hyderabad from 24<sup>th</sup> – 26<sup>th</sup> July 2014
43. Completed the Wipro Mission10X Learning Approach Workshop conducted at DVR & Dr.HS MIC College of Technology, Kanchikacherla held on 12<sup>th</sup>& 13<sup>th</sup> October 2011
44. Participated in a Wipro Mission10X workshop conducted at DVR & Dr.HS MIC College of Technology, Kanchikacherla from 1<sup>st</sup> to 5<sup>th</sup> August 2011
45. 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 on 1<sup>st</sup> – 2<sup>nd</sup> August 2011
46. Attended a 2-Day National Level Workshop on “Recent Advances in Signal Processing” at Lakireddy Balireddy College of Engineering, Mylavaram, Krishna district on 9<sup>th</sup>& 10<sup>th</sup> May 2011.
47. Attended a 2-Day Workshop on “Automatic Speech Recognition” at Research and Technical Training Unit for Navigational Electronics, OU, Hyderabad in August 2008

### ***Certifications***

- Microwave Engineering & Antennas from Coursera - Eindhoven University of Technology from 01 November 2021 to 03 January 2022
- Python Basics for Data Science from edX-IBM in April 2022.
- Machine Learning with MATLAB from 14<sup>th</sup> to 17<sup>th</sup> May 2021, organized by MathWorks
- 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.
- Completed the 4-week course “MATLAB and Octave for Beginners offered by EPFLx through edX course portal on 13-07-2020
- 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 a short course “Learn to Design your own Solar Home System” on 07 May 2020 from Energy Swaraj Foundation.
- 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
- Online Certification on “R Programming A-Z: R For Data Science with Real Exercises” on 10-04-2020 from Udemy Course portal.
- Completed online certification exam “The Fundamentals of Digital Marketing” on 09-04-2020 from Google Digital Unlocked.
- Online Certification on “Design Thinking – Generating Ideas, Stories and Prototypes” from Alison Course portal on 04-04-2020.
- Completed an Online Course on “Internet of Things” from Stanford Center for Professional Development on 25-03-2020.
- Online Certification on “Outcome Based Education (OBE) & Academic Quality Assurance” on 23-03-2020 from Udemy Course portal.
- 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
- Online Certification on “Machine Learning for Apps” from Alison Course portal on 09-10-2019.
- Online Certification on “Internet of Things and the Cloud” from Alison Course portal on 09-10-2019
- Certification on “Discrete Time Signal Processing”, 8 week course, Aug – September 2018, organized by NPTEL
- Online Certification on “Internet of Things and the Cloud” from Alison, largest free learning platforms for education and skills training, Galway, Ireland on 28 September 2018  
University incorporated by Royal Charter, Scotland, on 25 Aug 2018
- Online Certification on “Assistive Technologies and Online Learning” from, The Open University incorporated by Royal Charter, Scotland, on 25 Aug 2018
- Certification on “Principles of Signals and Systems”, 12 week course, Jan – Apr 2018, organized by NPTEL
- Certification on “Introduction to Internet of Things”, 12 week course, Jan – Apr 2018, organized by NPTEL
- Completed a certified course on ISO 9001:2008 on 26<sup>th</sup> Nov 2009

### ***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 Grahya Yalavarthy, Amulya Kasu, 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 in TALScouts Transformers 2021 - Global Youth Social Innovation Challenge under Social Advocacy Track organized by TOUCH-A-LIFE Foundation.
- 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.
- Mentor for the product “iNethra” and the team was selected to 2019 National Cohort of the Boeing University Innovation Leadership Development (BUILD) Program at THub Foundation Hyderabad on 5th August 2019 and participated in BUILD finale at Boeing Build, RMZ Azure, Bangalore on Boeing Innovation Day, September 6th 2019. This product “iNethra” developed at JNTUH Excite 2019, a 6-week Summer Product Development Workshop held during 22 May – 29 June 2019, organized by JHUB, JNTUH has won “Most Promising Product” award.
- Faculty Mentor for the Project “Agricitease” in JHUB Central Bootcamp and won second prize.
- Faculty Mentor in DST & Texas Instruments India Innovation Challenge Design Contest 2019.
- Presented a poster on “Solar Based Traditional Farm Tools Machine” in Young Scientist Conference, India International Science Festival- 2019, from 5-7 November 2019 at Kolkata.
- Faculty Mentor in Buoyanci Innovation Challenge 2019- AI for Health Care.
- Mentor for the product “iNethra” and the team was selected to 2019 National Cohort of the Boeing University Innovation Leadership Development (BUILD) Program at THub Foundation Hyderabad on 5<sup>th</sup> August 2019 and participated in BUILD finale at Boeing Build, RMZ Azure, Bangalore on Boeing Innovation Day, September 6<sup>th</sup> 2019.
- Mentor for the product “iNethra” developed at JNTUH Excite 2019, a 6-week Summer Product Development Workshop held during 22 May – 29 June 2019, organized by JHUB, JNTUH. The product has won “Most Promising Product” award.
- The Project “VERBALIZER - A Communication device for Speech Impaired” has been published under Innovations, Atal Innovation Mission  
Publish Date : November 29, 2018  
Link:<https://innovate.mygov.in/innovation/verbalizer-a-communication-device-for-speech-impaired/>
- Mentor for the project “Drones for Pest Detection” and won Certificate of Excellence in I-Summit 2019, Innovators Challenge 2019 on 7<sup>th</sup> April 2019, Hyderabad.

- Mentor for the project entitled “Time Saver Trolley 2.0” in #GeekDiva Hackathon organized by GGK Technologies and stood in First place with a cash prize of Rs.25,000/-
- Mentored a project titled “Medicine Dispenser Machine”, qualified for Finals in Gandhian Young Technological Innovation 2019 (GYTI) Awards.
- The Project titled “Real-time Safety Monitoring of Warehouses using IoT” qualified for Finals in Gandhian Young Technological Innovation 2019 (GYTI) Awards.
- Mentor for the project entitled “Drone for pest detection” in Innovators Challenge 2019, I-Summit '19 and won certificate of excellence on April 7<sup>th</sup> 2019.
- Invited as a resource person for a 3-week Refresher Course on Systems and Signal Processing, sponsored by UGC and organized by UGC-Human Resource Development Centre, JNTUH, Hyderabad, 6<sup>th</sup> - 27<sup>th</sup> March 2019
- Mentor for the project entitled “Medicine Dispenser Machine” in Product Innovation Challenge 2018 finals with Team ID PIC2018\_Team\_665 organized by Buoyanci and supported by IT – IteS SSC NASSCOM on 15 October 2018.
- Organized IoT Innovations, 24 Hour Hackathon, 26-27 September 2018.
- Mentor for the project entitled “Time Saver Trolley” in ICT Academy Student Innovator Award 2018 Telangana at Vardhaman College of Engineering, Hyderabad on 24<sup>th</sup> February 2018. Awarded First prize with Rs.15000/- cash.
- Invited as a resource person for FDP on Digital Signal Processing organized by Academic Audit Cell, JNTUH on 12<sup>th</sup> December 2017.
- Mentored two teams in #OpenGovDataHack organized by National Informatics Centre, in association with IAMAI & Startup India on 4 – 5 November 2017 at JNTUH Hyderabad
- Mentor for the project entitled “Time Saver Trolley” in National IoT Innovation Challenge 2017 finals with Team ID IoT17120 organized by Buoyanci and supported by IT – IteS SSC NASSCOM on 15 September 2017
- Received letter of appreciation and a cheque for Rs.10,000/- as a token of recognition from SVES on 11<sup>th</sup> April 2017 for mentoring the students in their participation in the Smart India Hackathon 2017
- Mentor for Project “ Ex-Voice “ and participated in Smart India Hackathon – 2017 under the ministry of Department of empowerment of persons with intellectual disabilities on 1<sup>st</sup> and 2<sup>nd</sup> April 2017. Developed an app by name “Ex-Voice” for differently abled people like deaf, dumb to communicate easily over phone. Awarded with Inspirational Award and got cash prize of Rs. 30,000/-.
- Invited as a resource person for FDP on Signals and Stochastic Processes organized by Academic Audit Cell, JNTUH on 9<sup>th</sup> & 10<sup>th</sup> March 2017
- Mentor for the project “Solar Backpack” at JNTUH EXCITE 2015, Summer Product Engineering Workshop at Department of CSE, JNTUHCEH from 28<sup>th</sup> May to 27<sup>th</sup> June 2015 in association with HYSEA and TASK and achieved a seed fund for the amount of Rs.15000/-