Prof DINESH KUMAR NALI’s

CURRICULAM VITAE

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Objective

To be accepted globally as a knowledgeable and dependable professional in the field of technical development with high degree of integrity.

###### Record of employment

1. **Teaching Institutions**

* Working as Associate Professor and HOD - ECE (from Jul 2004) at Vignan Institute of Technology & Science (VITS), Hyderabad.
* Visiting faculty at BITS, Pillani, Distance Learning Programmes division.
* Worked as Assistant Professor (from Sep 2001 to Jun 2004) at Annamacharya Institute of Technology & Sciences (AITS), Rajampet, Kadapa Dist.

1. **Industry**

* Around 15 months of experience (Jun 2000 to Aug 2001) as a software developer on Internet based Technologies at Mindsphere Technologies, Bangalore.

**R& D Projects**

* Consultancy project worth 5.75 lakhs from Civil supplies, Telanagana Government, on "Aadhaar, Biometric and Coin based Rice Vending Machine", sanctioned on 22nd, Nov, 2018. (Duration 2 months)
* CARS project worth 20.56 lakhs from ANURAG, DRDO on "Energy Harvesting by Solar Thermal Power Generation", sanctioned on 25th April, 2017. (Duration: 3 years) (Sanction Order No: ANURAG/MMG/CARS/2017-18/065)
* Consultancy project worth 5.0 lakhs from Sree Microwaves, Hyderabad on "To carryout studies on the sensitivity of gain & phase parameters of the given RF chain over the temperature range and bandwidth using HFSS software", sanctioned on Jan, 2017 and completed by Mar, 2017. (Duration 3 months). (Sanction Order No: VITS/R&D/Consultancy/201617/1)

**Books Published**

* N. D. Kumar, "Radiation Power Pattern Distortion Analysis Using MATLAB for MST Radar System", in MATLAB Applications in Engineering. London, United Kingdom: IntechOpen, 2021 [Online]. https://www.intechopen.com/chapters/ 76607 doi: 10.5772/intechopen.97637(Web of Science Indexed)

# N Dinesh Kumar and A Sushmitha Mala, "Practical Implementation of 3D Smart Walking Stick for Blind People", in AIJR Proceedings; 22nd Sep, 2021, ISSN: 2582-3922; ISBN: 978-81-947843-8-8, DOI: 10.21467/proceedings.114.51

* N Dinesh Kumar, "Array Factor Distortion Analysis", Verlag Publisher: LAP publishers, 1st edition. (ISBN : 978-3-330-33665-0)

**PATENTS (5)**

* Patent (Application No. 202041033235)" on "An Edible Vending Apparatus And A Method To Operate The Same" was published on 04/02/2022with IP India.
* Patent (Application No. 201941042837) "A Sewer Monitoring And Controlling System And A Method To Operate The Same" was published on 23/4/2021with IP India
* Patent (Application No. 201941042825 ) "An Apparatus For Washing And Chopping Edibles And A Method Thereof" was published on 23/4/2021with IP India
* Patent (Application No. 201941042830) " A Wearable Safety Device And A Method to Operate the Same " was published on 23/4/2021with IP India
* Patent (Application No.201841049124 A) on "Hygienic Automated Food Processing Machine (HAFPM) Using Pneumatics Through PLC" was published on 04/01/2019.

http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1\_4699\_1/Part\_-1.pdf

**Supervisor**

* Recognized guide at Visvesvaraya Technological University, Karnataka (VTU09175437)

**Academic Profile**

* **Ph.D in Wireless Communications from SRU, Alwar**.

1. **M.Tech** in **Electronic Instrumentation & Communication Systems** from Sri Venkateswara University, Tirupati.
2. **AMIETE** in **Electronics & Communication Engineering** from IETE, New Delhi.
3. **Intermediate** from Gauthami Co-operative Junior College, Hyderabad.
4. **SSC** from Don Bosco High School, Hyderabad.

###### Membership of learned societies and professional bodies

* Scopus ID : https://www.scopus.com/authid/detail.uri?authorId=57185743400
* Orcid ID: https://orcid.org/0000-0002-0248-8789
* Web of Science Researcher ID : [I-5418-2015](https://publons.com/researcher/I-5418-2015/)
* Member of Institute of Electrical & Electronics Engineers(IEEE), India (90697016)
* Associate Member of Institute of Electronics & Telecommunication Engineers (IETE) (AM094901)
* Life Member of Instrumentation Society of India (ISOI)
* Member of Engineers Australia (6346838)
* Member of International Computer Science and Engineering Society (ICSES), Jordan. (4256)
* Member of International Association of Online Engineering (MIAOE) (10249)
* Member of International Association of Computer Science & Information Technology (IACSIT), Singapore (80340486)
* Member of International Association of Engineering (IAENG), Hong Kong (113413)
* Member of The Society of Digital Information and Wireless Communications (SDIWC)
* Member of World Academy of Science, Engineering and Technology (WASET).
* Member of Science and Engineering Institute (SCIEI), USA (20190625006)

Honours / Awards / Recognitions

* **Editorial Board Member**
* International Journal of Research Publications (Ref No: 10110920182680)
* [Recent Trends in Electronics & Communication Systems](http://stmjournals.com/tech/index.php?journal=RTECS&page=user) (http://engineeringjournals.stmjournals.in/index.php/RTECS/about/editorialTeam)
* Journal of Telecommunication, Switching Systems and Networks (http://engineeringjournals.stmjournals.in/index.php/JoTSSN/about/editorialTeam)
* **International Journal & Magazine of Engineering, Technology, Management and Research (http://www.ijmetmr.com/editorial-board/)**
* International Journal of Advances in Engineering & Scientific Research
* World Academy of Science, Engineering and Technology.
* **Reviewer**
* Journal of Telecommunication, Switching Systems and Networks
* Peer Reviewer, International Conference on Machine Learning and Intelligent Systems (MLIS 2019), National Dong Hwa University (NDHU), Taiwan during November 19-22, 2019.
* 2nd International Conference on Computing Analytics and Networking (ICCAN-2019)
* International conference on Research and Advances in Mechanical Engineering (ICRAME 2020) (IOP indexed)
* Journal of Mechatronics & Robotics, Science Publications
* [Recent Trends in Electronics & Communication Systems](http://stmjournals.com/tech/index.php?journal=RTECS&page=user)
* International Journal of Computing and Digital Systems (https://edas.info/listConferenceReviews.php?c=26939&reviewtype=45454&p=754661)
* 3rd International Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018, Malaviya National Institute of Technology (MNIT), Jaipur
* International Journal of Online and Biomedical Engineering. (Scopus) (https://online-journals.org/index.php/i-joe/reviewer/index/completed)
* International Journal of Interactive Mobile Technologies (iJIM) (Scopus)
* Indian Journal of Science & Technology.
* International Journal of Research in Engineering and Technology (IJRET) (Reviewer Id 20130570) (https://ijret.org/ReviewBoard)
* Journal of applied Science & Engineering (https://mc04.manuscriptcentral.com/jase)
* **International Journal Engineering Development and Research (IJEDR).**
* Journal of Emerging Technologies and Innovative Research (Reviewer Id 111010) (https://www.jetir.org/reviewer-board)
* 2nd International Conference on Fuzzy Systems and Data Mining (FSDM 2016
* IGI global - IJQCSSE (https://www.igi-global.com/submission/reviews/)
* International Journal of Digital Electronics
* **Session Chair**
* International conference on Research and Advances in Mechanical Engineering (ICRAME 2020) (IOP indexed)
* **Organizer/Technical Committee**
* Organizer for 5th International conference on Recent Challenges in Engineering and Technology (ICRCET-2018), 19th - 20th, July, South Korea
* **AWARDS**
* "**Best Teacher Award 2017-18**" presented by Institute for exploring Advances in Engineering
* Bagged "**IEEE Vibrant Student Branch Award**" for 2017-18 as IEEE VITS Branch Counselor
* **Guided** four projects and all are awarded "**Student Project of the year 2017-18**" indexed in IEAE Digital Library of Academic Projects (DLAP).
* Secured **Class A merit certificate** for completing Task based training (TBT-2016) on Robotics from e-Yantra Lab Setup Initiative (eLSI), IIT Bombay, India during 23/9/2016 to 13/01/2017.
* **“Best Paper Award”** for the paper entitled “Principal Plane Pattern Distortion Analysis due to Array Thinning”, in National Conference on “Current Trends in Computing, Control and Communication Systems” in Association with *International Journal Applied* E*ngineering Research (Scopus indexed journal)*, 9th – 10th , Jan 2015.
* **“Best Paper Award”** for the paper entitled “On-Board Navigation & Data Acquisition for High Dynamic GPS and GLONASS Receiver”, in International *Journal of Electronics, Communication & Instrumentation Engineering Research & Development*, for June, 2013*,* Vol 3, Issue 2
* **“Yuva Engineer Award”** for the paper entitled *“PLC Based Virtual Interaction Using Virtual Sensors And Actuators”*, to V.Sriharsha, M.Anusha Reddy & N.V.S.L.Aishwarya, under the guidance of N.Dinesh kumar, Jan, 2014. <http://www.yuvaengineers.com/2014-papers/electronics-engineering/>
* “**Teaching Excellency Award**” for the year 2005 to 2007, 2009-10, 2010-11 at VITS, Hyderabad.
* “**Best Student Award**” for the year 1995 while pursuing AMIETE

#### Research Papers published/presented (Total : 77)

|  | All | Since 2017 |
| --- | --- | --- |
| [Citations](javascript:void(0)) | 68 | 52 |
| [h-index](javascript:void(0)) | 4 | 3 |
| [i10-index](javascript:void(0)) | 2 | 2 |

###### International Journals (Total :55)

1. N. Dinesh Kumar, K. Sreenija, S. Phaneeshwar Bala Subramanyam, M. Harshasri Vishnu Sai. Smart Jacket for Health Monitoring and Controlling. Journal of Control & Instrumentation. May, 2022; 13(1): 16–24p. **DOI no.: https://doi.org/**10.37591/JoCI. ISSN **: 2229-6972** (https://engineeringjournals.stmjournals.in/index.php/JoCI/article/view/6289/5226) (Publons-Wos)
2. Shiddanagouda Byanigoudraa, N Dinesh Kumara, Vani R Mb, & P V Hunagundb, "Design of 3.1GHz/4.1GHz/5.1GHz/9.8GHz tetra band microstrip antenna for wireless applications", Indian Journal of Radio & Space Physics, Vol 50, March 2021, pp 25-28. http://nopr.niscair.res.in/handle/123456789/58082 (SCI) ISSN : 0367-8393
3. N. Dinesh Kumar, Pabbu Aparna, "Integrated Missed Call Alert Server Implementation. Journal of Telecommunication, Switching Systems and Networks", 2021; 8(2): 12–26p. (http://engineeringjournals.stmjournals.in/index.php/JoTSSN/index) **eISSN: 2454-6372 DOI no.: https://doi.org/10.37591/JoTSSN**
4. N. Dinesh Kumar, Srihitham, E Pranitha, T Shireesha, " Smart Garbage Management System for Hygienic and Healthy Environment" Recent Trends in Sensor Research & Technology. Sep, 2019; Vol 6 (issue 2): 21–27 pp ISSN: 2393-8765

<https://doi.org/10.37591/rtsrt.v6i2.2707>

1. N. Dinesh Kumar, A.V. Karthik Prasad, A. Harini Reddy, C. Harika, "Rocker Bogie System using RF Communication", *Journal of Electronic Design Technology*. Sep 2019; Vol 10 (issue 2): 22–29p ISSN: 2229-6980. <https://doi.org/10.37591/joedt.v10i2.3303>
2. N Dinesh Kumar, G. Natraj, G. Rajesh, B. Supriya, U. Ashwini, “Design of XYZ Plotter”, Vol 10, Issue 2, (Jun 2019), Journal of Control & Instrumentation, Pg No 16-20. ISSN: 2229-6972. <https://doi.org/10.37591/joci.v10i2.2532>
3. N Dinesh Kumar, Roja Ramanthapuram, Pragnya Rangi, Twinkle Sheoran, "Zigbee Based Smart Sewer",  Vol 8, Issue 8(June, 2019), International Journal of Innovative Technology and Exploring Engineering, pp No: 995-998, ISSN: 2278-3075, https://www.ijitee.org/wp-content/uploads/papers/v8i8/ H6538068819.pdf (Scopus)
4. N Dinesh Kumar, P. Manisha Sai, S. Paalini, S. Anirudh, "Intra-Networking, Establishing a Private Branch Exchange",  Vol 8, Issue 7(May, 2019), International Journal of Innovative Technology and Exploring Engineering, pp No: 1403-1409, ISSN: 2278-3075, https://www.ijitee.org/wp-content/uploads/papers/v8i7/G5575058719.pdf (Scopus)
5. Swarupa Rani D, N Dinesh Kumar, P A Harsha vardhini, "Post-correction of analog-to-digital converter for different input signals",  Vol 8, Issue 3(Feb, 2019), International Journal of Engineering and Advanced Technology, pp No: 45-49, ISSN: 2249-8958(Online), http://www.ijeat.org/download/volume-8-issue-3/ (Scopus)
6. N Dinesh Kumar, V.S.K Reddy, "AODV Routing Protocol for Congestion Control Based on Packet Priority", Vol 8, Issue 1(June, 2018), Journal of Communication Engineering & Systems, pp No: 59-68, ISSN: 2249-8613(Online), 2321-5151(print), http://computerjournals.stmjournals.in (UGC)
7. N Dinesh Kumar, V.S.K Reddy, "Performance Analysis of Routing Protocols", Vol 8, Issue 5(May, 2018), IOSR Journal of Engineering, pp No: 69-77, ISSN: 2250-3021(Online), 2278-8719(print), http://www.iosrjen.org/Papers/vol8\_issue5/Version-1/H0805016977.pdf (UGC)
8. N Dinesh Kumar, Ch V B Aditya Kumar, “Heater Automation Using LabVIEW”, Vol 6, Issue 3(2016), Current Trends in Signal Processing, pp No: 28-38, ISSN: 2277-6176 (online), 2321-4252 (print), IF-2.792, [www.stmjournals.com](http://www.stmjournals.com)/CTSP
9. N Dinesh Kumar, Ch V B Aditya Kumar, “Home Automation Using LabVIEW”, Vol 6, Issue 3(2016), Current Trends in Signal Processing, pp No: 9-15, ISSN: 2277-6176 (online), 2321-4252 (print), IF-2.792, [www.stmjournals.com](http://www.stmjournals.com)/CTSP
10. N Dinesh Kumar, G Sai Sreeram, “Wireless Digital Fuel Level Indicator", Vol 7, Issue 2(2016), Journal of Electronic Design Technology, Pg No 41-46. ISSN: 2321-4228. IF – 3.86  <https://doi.org/10.37591/joedt.v7i2.4815>
11. N Dinesh Kumar, K Siva Kumar, “Design and Implementation of Smart house using LabVIEW" Vol 6, Issue 2(2016), Current Trends in Information Technology, pp No: 5-13, ISSN: 2348 – 7895, IF-2.74, [www.stmjournals.com](http://www.stmjournals.com)/CTIT
12. N Dinesh Kumar, P Bhanusree, “Home Security Alarm System Using LabVIEW”, Vol 6, Issue 2(2016), Current Trends in Signal Processing, pp No: 9-15, ISSN: 2277-6176 (online), 2321-4252 (print), IF-2.792, [www.stmjournals.com](http://www.stmjournals.com)
13. E Jhansi, N Dinesh Kumar, "Diet Aid Weight Machine", Vol 3, Issue 10 (2016), International Journal & Magazine of Engineering, Technology, Management and Research, PP No 993-999, ISSN: 2348-4845. http://www.ijmetmr.com/
14. N Dinesh Kumar, “3-D Array pattern Distortion Analysis”, Volume 413, Mar 2016, Advances in Intelligent Systems and Computing, pp 63-69, ISSN No 978-981-10-0417-9 (Print) 978-981-10-0419-3 (Online) https://link.springer.com/chapter/10.1007/978-981-10-0419-3\_8 Springer & Scopus
15. N Dinesh Kumar, Chintam V B Aditya Kumar, E Swetha & P. Anirudh Srinivas, "Evaluation On The Advantages Of Low Cost Industrial Automation",Vol 6, Issue 1, (Feb 2016), *International* *Journal of Electronics, Communication & Instrumentation Engineering Research & Development,*(IJECIERD)*,* (Impact Factor – 5.28) pp 15-22. ISSN: 2249-7951. [http://www.tjprc.org/](http://www.tjprc.org/journals.php?jtype=2&id=16)
16. N Dinesh Kumar, M Priyanka “Library and Auditorium Electrical Appliances Automation”, Vol 7, Issue 1, (Jan 2016), Journal of Electronic Design Technology, Pg No 1-8. ISSN: 2321-4228. IF – 3.86 [www.stmjournals.com](http://www.stmjournals.com)
17. N Dinesh Kumar, Rangaraju Bhanu Teja and P Venulaxman Goud, “Missile tracking, Detection and Firing System”, Vol 7, Issue 1, (Jan 2016), Journal of Control & Instrumentation, Pg No 1-6. ISSN: 2229-6972. [www.stmjournals.com](http://www.stmjournals.com)
18. N Dinesh Kumar, R Divya Ravali, P R Srirekha, “Design And Realization Of Pre-Amplifier And Filters For On-Board Radar System”, Volume 8, Issue 4, (Oct 2015), American Journal Of Engineering And Applied Sciences*,* ***Science Publications, America****,* pp 689 – 701, Scopus & EBSCO Indexed ISSN: 1941-7020, <https://doi.org/10.3844/ajeassp.2015.689.701>
19. N Tejnag, N. Dinesh Kumar, “Enhanced a QOS Oriented Vertical Handoff Scheme for WIMAX/WLAN Overlay Networks”, Vol 2, Issue 11 (Nov 2015), International Journal & Magazine of Engineering, Technology, Management and Research , pp : 108-112, ISSN: 2320-3706, [www.ijmetmr.com](http://www.ijmetmr.com)
20. Nali Dinesh Kumar, Anil Kumar Sharma, Vustikayala Siva Kumar Reddy, “Prioritized Multimedia Transmission Using AODV Routing in NS2”, Vol 1, Issue 2, (Nov 2015), International Journal of Telecommunications & Emerging Technologies, pp 28 – 38 [www.journalspub.com](http://www.journalspub.com)
21. N Dinesh Kumar, D. Nikhil, Kasaru Raviteja, T. Srivatsava, “Implementation & Analysis Of Internet Protocol TV Content Distribution Network Traffic Modeling in NS2”, Vol 2, Issue 3, (Oct 2015), Journal of Telecommunication, Switching Systems & Networks, pp: 6-12, ISSN: 2454-6372. [www.stmjournals.com](http://www.stmjournals.com)
22. N Dinesh Kumar, G Akshya Reddy, C Sai Harsha, “Implementation & Analysis of OLSR Protocol in NS2”, Vol 2, Issue 3, (Oct 2015), Journal of Mobile Computing, Communications & Mobile Networks, pp 26 – 34 . ISSN: 2349-901X. [www.stmjournals.com](http://www.stmjournals.com)
23. N Dinesh Kumar, Konda Malla Reddy, “Green House Intelligent Power Generation System”, Vol 6, Issue 2, (Aug 2015), Journal of Alternate Energy Sources and Technologies, pp 50 – 60. ISSN : 2230-7982. IF- 3.416 [www.stmjournals.com](http://www.stmjournals.com)
24. N Dinesh Kumar, Chintam V B Aditya Kumar, Naveen Akula, “Automatic Cashew Nut Breaking Using PLC Through Pneumatics***”,*** Vol 5, Issue 2, (June 2015), Journal of Instrumentation Technology & Innovations, pp 1-4. ISSN: 2249-4731. [www.stmjournals.com](http://www.stmjournals.com)
25. N Dinesh Kumar, Bhanusree Pola, “Implementation of Spectrum Analyzer Using LabVIEW”, Vol 6, Issue 2 (June 2015), Journal of Control & Instrumentation, Pg No 25-30. ISSN: 2229-6972. [www.stmjournals.com](http://www.stmjournals.com)
26. N Dinesh Kumar, Shravani Bollineni, M Jayaprakash, “Canny Street Lighting System”, Vol 5, Issue 2 (June 2015), Journal of Energy, Environment & Carbon Credits, Pg No 7-11. ISSN : 2249-8621. IF – 3.195 [www.stmjournals.com](http://www.stmjournals.com)
27. N. Dinesh Kumar, Makkapati Anoohya, Y Himaja, “Performance Analysis In NS2 For Wireless Nodes Based On AODV, DSDV & AOMDV Routing Protocols”, Vol 4, Issue 2 (June 2015), Global Journal of Advanced Engineering Technology*,* Pp. 107-113. ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com) (IF-2.62)
28. N Dinesh Kumar, P Pavan Kumar, M Anusha, “Design and Implementation of Power Line Communication”, Vol 9, No. 23, (Dec 2014), International Journal of Applied Engineering Research (IJAER), Page No: 23269-23284 Scopus Citied. ISSN 0973-4562, https://www.ripublication.com/Volume/ijaerv9n23.htm

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1. N. Dinesh Kumar, Dr. Anil Kumar Sharma, Dr. V Siva Kumar Reddy, “Priority Scheduling for Image Transmission”, Volume 4, Issue 2, (July – Dec 2014), International Journal of Advances in Soft Computing Technology, pp 55 – 61, ISSN: 2229-3515, <http://www.ijasct.in/>
2. N Dinesh Kumar, “Principal Plane Pattern Distortion Analysis due to Array Thinning”, Vol 9, No. 19, (Dec 2014), International Journal of Applied Engineering Research (IJAER), Page No: 4359-4368 Scopus Citied. ISSN 0973-4562, <http://www.ripublication.com/ijaer.htm>
3. M. Obula Reddy, N. Dinesh Kumar, D. Bindu Tushara, “3gpp Long Term Evolution: Architecture, Protocols And Interfaces”, Dec 19, 2014, Global *Journal of Advanced Engineering Technology, Special issue on “C*urrent Trends in Computer Network Security & Its Framework”, Pp 1-5. ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com)
4. Chintam V B Aditya Kumar , N Dinesh Kumar, Maram Anusha Reddy “Flexible Bus System By Using WSN”, Dec 19, 2014, Global *Journal of Advanced Engineering Technology, Special issue on “C*urrent Trends in Computer Network Security & Its Framework”, Pp 77-81. ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com)
5. N Dinesh Kumar, R Babul Reddy, “An Efficient Denoising Architecture for Removal of Impulse Noise in Image Using FPGA”, Vol. 3, Issue 4 (Oct, 2014), Global *Journal of Advanced Engineering Technology,* (Impact Factor – 2.62) *Page no 380-385.* ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com)
6. N Dinesh Kumar, Ch V B Aditya Kumar, N Harsha Vardhan, Qavi Ahmed, “Automatic Poultry Feeder using PLC’s”, Vol. 3, Issue 3 (July 2014), Global *Journal of Advanced Engineering Technology,* (Impact Factor – 2.62) *Page no 212-215.* ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com)
7. N Dinesh Kumar, E Swetha, Anuj Saxena, “Implementation of School/College bell using LabView”, Vol. 3, Issue 3 (July 2014), Global *Journal of Advanced Engineering Technology, ,* (Impact Factor – 2.62) *Page no 208-211.* ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com)
8. N Dinesh Kumar, G Ajay Kumar, M Srikanth, “ Monitoring and Controlling of Temperature using CAN Architecture”, Vol 2, Issue 6, (June 2014), International Journal of Management, Information Technology & Engineering (IJMITE), (Impact Factor – 0.4512) Page No 61-68, ISSN: 2348-0513, <http://www.bestjournals.in/>
9. N Dinesh Kumar, “Array Factor Distortion Analysis”, Vol. 3, Issue 2 (June 2014), Global *Journal of Advanced Engineering Technology, ,* (Impact Factor – 2.62) *Page no 156-159.* ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com)
10. N Dinesh Kumar, B Bhavani, and V Anand, “Online Monitoring and Transferring of Geological Gases Data Through Zigbee”, Vol 4, Issue 3, (June 2014), *International* *Journal of Electronics, Communication & Instrumentation Engineering Research & Development,*(IJECIERD)*,* (Impact Factor – 5.28) pp 135-142. ISSN: 2249-7951. <http://www.tjprc.org/journals.php?jtype=2&id=16>
11. N Dinesh Kumar, P Prudhvi Raj, R Pavan Kumar, and V Sairam Chaitanya, “Emergency Response Horn for Low Cost Bikes”, ***International Journal of*** *Electrical, & Electronics Engineering Research* (IJEEER), Vol 4 issue 3, June, 2014 edition, (Impact Factor – 5.96) Pg No: 95-101. ISSN(P): 2250-155X. <http://www.tjprc.org/electrical-and-electronics-engineering-international-journals-with-impact-factor.php>
12. N Dinesh Kumar, Anuj Saxena, Arvind Sundararajan, and N Roop Kiran, “Implementation of AODV Routing Protocol in NS2: A Comparison with DSDV Routing Protocol”, Vol 1, Issue 5, (May 2014), *International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR),* (Impact Factor – 1.3) Pg No : 28 – 34, ISSN: 2320-3706, [www.ijmetmr.com](http://www.ijmetmr.com)
13. N Dinesh Kumar, M Jayaprakash, V Naveen Reddy, and G Bhargava Sai, “Microcontroller Based Electronic Circuitry to Record Speed of Moving Objects”, Vol 1, Issue 5, (May 2014), *International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR),* (Impact Factor – 1.3) Pg No : 23 – 27, ISSN: 2320-3706, [www.ijmetmr.com](http://www.ijmetmr.com)
14. N. Dinesh Kumar, Dr. Anil Kumar Sharma, Dr. V Siva Kumar Reddy, “Study to Enhance QoS in Multimedia Applications”, International Journal of Advances in Computer, Electrical and Electronics Engineering, Vol. 3 (1), Oct. 2013–Mar 2014, pp 67 – 75. ISSN: 2248-9584, [http://www.ijaceee.in/](http://www.ijaceee.com/)
15. N Dinesh Kumar, CH V B Aditya Kumar, M Jayaprakash, V Naveen Reddy “Any Time Food Processing Machine”, Vol 4, Issue 1, (Feb 2014), *International* *Journal of Electronics, Communication & Instrumentation Engineering Research & Development,*(IJECIERD)*,* (Impact Factor – 5.28) Pg No - 115-122 ISSN: 2249-7951. <http://www.tjprc.org/journals.php?jtype=2&id=16>
16. N Dinesh Kumar, Ch V B Aditya Kumar, E Swetah and P Anirudh Srinivas “*Automated Universal Hygienic Food Processing Machine*”, Vol 4, Issue 1, (Feb, 2014), International *Journal of Electronics, Communication & Instrumentation Engineering Research & Development,* (Impact Factor – 5.28) 19-26. ISSN: 2249-7951. <http://www.tjprc.org/journals.php?jtype=2&id=16>
17. N Dinesh Kumar, Gattu Sahith, U Shashank, and Abhinav Dinesh “*Battery Health Monitoring for Mini Hybrid Power system using LabVIEW*”, Vol 3 issue 4, Oct, 2013, **International Journal of** Electrical, & Electronics Engineering Research, (Impact Factor – 6.28) Pg No: 29-34. ISSN(P): 2250-155X. <http://www.tjprc.org/electrical-and-electronics-engineering-international-journals-with-impact-factor.php>
18. N Dinesh Kumar, S Pramod and Ch Sravani “*Intelligent Irrigation System*”, Vol 3, Issue 3 (Aug, 2013), **International Journal of Agricultural Science and Research*,***(Impact Factor – 4.79) Pg No 23-30. ISSN 2250-0057 <http://www.tjprc.org/journals.php?jtype=2&id=50>
19. N Dinesh Kumar, N Revathi, and N Deepika, “On-Board Navigation & Data Acquisition for High Dynamic GPS and GLONASS Receiver”, Vol 3, Issue 2, (June 2013), International *Journal of Electronics, Communication & Instrumentation Engineering Research & Development,* (Impact Factor – 5.28) 123-136. (BEST PAPER AWARD FOR JUNE 2013) ISSN: 2249-7951. <http://www.tjprc.org/journals.php?jtype=2&id=16>
20. N Dinesh Kumar, G Bhargava Sai and K Shiva “Traffic Light Control using Labview”, Vol. 2, Issue 2, (Apr 2013)*,* Global *Journal of Advanced Engineering Technology, Page no 47-49.* ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com)
21. N Dinesh Kumar, Ch V B Aditya Kumar, B Alekya and P Bhanusree, “Automatic bottle filling, Capping & Embossing using PLC”, Vol 6, Issue 1 (Jun. 2012), *International Journal on Intelligent Electronic Systems.*, pp. 31-35. ISSN: 0973-9238. <http://www.journals-sathyabama.com/index.php/intl-electronics>
22. N Dinesh Kumar and Dr. V S K Reddy, “**E-Medicine: Best Solution for health care of Remote & Rural Reach”,** Vol. 1, no.1 (Feb 2012), *Global Journal of Advanced Engineering Technologies.*, pp. 18-28. ISSN 2277-6370. [www.gjaet.com](http://www.gjaet.com)
23. N Dinesh Kumar, P Mounika, D Mounika and T Sailaja, “Design & reduction of wattage losses in Solar module” Vol. 1, no.3, (Aug. 2011), *International Journal of Electrical, Electronics & Computing Technology*, pp. 11-16. ISSN: 2229-3027. [www.ijeect.com](http://www.ijeect.com)

###### Papers presented at International Conferences (Total :13)

# N. Dinesh Kumar and Shiddanagouda F. B., "IOT Based Vehicle Charging Eco System for Smart Cities" at the International Conference on Robotics, Control and Computer Vision (ICRCCV-2022) 19 – 20 February, 2022 organized by the Department of Electronics Engineering, National Institute of Technology Uttarakhand, India in association with Eötvös Loránd University, Hungary (Springer) (Best Paper Award). (https://drive.google.com/file/d/1GIX8ve3oJM8807JG879eApsAqj-2m0fD/view?usp=sharing)

# Shiddanagouda F B, N Dinesh Dinesh Kumar, Vani M, Prabhakar Hunagund, "Two Element Multiband MIMO Antenna for WiFi/5G/WLAN Band Applications" at the international scientific conference "Workshop on Microwave Theory and Techniques in Wireless Communications 2021" Oct - 7th - 8th, 2021 (MTTW'21 Riga, Latvia) (IEEE Xplore) **DOI:**[10.1109/MTTW53539.2021.9607193](https://doi.org/10.1109/MTTW53539.2021.9607193)

# N Dinesh Kumar and A Sushmitha Mala, "Practical Implementation of 3D Smart Walking Stick for Blind People", in Online International Conference on Women Researchers in Electronics and Computing, 22nd -24th Apr, 2021, Dr B R Ambedkar NIT, Jalandhar, India. AIJR Proceedings; ISSN: 2582-3922; ISBN: 978-81-947843-8-8, DOI: 10.21467/proceedings.114.51

1. N Dinesh Kumar, K.V.N.S. Harsha Vardhan, Ch. Srinikethan Nydhruva, P. Tharun Kumar Reddy, "Laboratory Attendance System Using Web Application & RFID", in International Conference on “Latest Trends in Civil, Mechanical and Electrical Engineering” (LTCMEE- 2021), April 12-13, 2021, Maulana Azad NIT, Bhopal, India.
2. N Dinesh Kumar, D Manoj Kumar, " Vehicle Charging System For Smart Cities with IOT Enabled Eco System", in International Conference on “Latest Trends in Civil, Mechanical and Electrical Engineering” (LTCMEE- 2021), April 12-13, 2021, Maulana Azad NIT, Bhopal, India.
3. N Dinesh Kumar and Madduri Uma, "Digitalized Dust Alert System for Asthma Patients and their Care Takers", IOP Conference Series: Materials Science and Engineering, Volume 1057, International Conference on Research and Advances in Mechanical Engineering(ICRAME 2020) 10TH-11TH December 2020, Hyderabad, India, (2021 IOP Conf. Series: Material Science and Engineering 1057 012092) (doi:10.1088/1757-899X/1057/1/012092) (Scopus Indexed)
4. N Dinesh Kumar, P A Harsha Vardhini, “Implementation of Ethernet MAC IP Core in the Development of AFDX End System Card”, 15th -17th May, 2019, Proc. International Conference on Intelligent Computing and Control Systems, ICICCS 2019, ISBN: 978-1-5386-8114-5 (IEEE Xplore & Scopus Indexed) ([10.1109/ICCS45141.2019.9065387](https://doi.org/10.1109/ICCS45141.2019.9065387))
5. N Dinesh Kumar, Dr. Anil Kumar Sharma, Dr. V Siva Kumar Reddy, “Prioritized Multimedia Packet Scheduling Scheme”, 17th -18th Jan, 2016, Proc. International conference on Current Research in Emerging Trends of Engineering, Technology, Management, Arts, Sciences, Education, Pharmacy & Medical, Hyderabad,. <http://www.iiarconferences.com/>
6. N Dinesh Kumar, Dr. Anil Kumar Sharma, Dr. V Siva Kumar Reddy, “PPSS for Multimedia Applications to Enhance QoS”, 18th -19th Dec, 2015, Proc. International conference on Current Research in Emerging Trends of Management, Arts, Science, Technology and Skill Development, Sunrise University, Alwar, Rajasthan,. <http://www.sunriseuniversity.in/>
7. N Dinesh Kumar, P Pavan Kumar, M Anusha, “Power Management Using Power Line Communication”, Aug 28th & 29th, 2015, Proc. International Conference on Innovations in Computer Science and Information Technology, MGIT, Hyderabad. <http://icicsit.mgit.ac.in/>
8. N Dinesh Kumar, “3-D Array Pattern Distortion Analysis”, Aug 7th-8th, 2015, Proc 3rd International Conference on Innovations in Computer Science and Engineering, Hyderabad, ISBN: 978-981-10-0417-9 Springer citied. DOI: 10.1007/978-981-10-0419-3\_8
9. N Dinesh Kumar, Ch V B Aditya Kumar, Dr. V S K Reddy and P Raghuram, “Wireless Transmission of Bio Medical Signals for Health Monitoring Applications Quick Wireless Doc**”**Feb. 2012, *Proc. 9th* *International conference on Systemics, Cybernetics and Informatics, Pentagon Research Pvt Ltd, Hyderabad.*, pp. 298-303 . [**www.icsci.net**](http://www.icsci.net/)
10. N Dinesh Kumar, Ch V B Aditya Kumar, Dr. V S K Reddy and P Raghuram, “Wireless Transmission of Biomedical Signals – Wireless Doc**”,** Dec. 2011, *Proc. IEEE Indicon 2011, BITS, Hyderabad,*, PP 1-5. (DOI: [10.1109/INDCON.2011.6139636](http://dx.doi.org/10.1109/INDCON.2011.6139636) ). ISBN:978-1-4577-1109-1 IEEE Xplore & Indexed in web of Science
11. N Dinesh Kumar, P Mounika, D Mounika and T Sailaja, “Design And reduction of wattage losses in SOLAR module using AR coating, Cell-to-cell gap and thickness” Vol. 5 (Apr 2011), *Proc. International conference on Network and Computer Science-ICNCS 2011,* Kanyakumari, India, pp. 42-47. ISBN: 978-1-4244-8679-3 (DOI: [10.1109/ICECTECH.2011.5941953](http://dx.doi.org/10.1109/ICECTECH.2011.5941953)) IEEE Xplore.

###### National Journals (Total :4)

1. N Dinesh Kumar, M Prashanti and K Divya Jyothi, “In-Vehicle Alcohol Detection System”, Vol. 43, no.3, (Sep 2013), *Journal of Instrument Society of India, IISC Bangalore.*, pp 197-198, ISSN: 0970-9983, <http://isu.iisc.ernet.in/~isoi>
2. N Dinesh Kumar, K Sravani and K Sharnya, “Interactive Voice Response system for Physically Challenged”, Vol. 42, no.4 (Dec.2012), *Journal of Instrument Society of India, IISC Bangalore.*, pp 261-262, ISSN: 0970-9983, <http://isu.iisc.ernet.in/~isoi>
3. N Dinesh Kumar, Ch V B Aditya Kumar and B Alekya, “Sorting of material based on Height and Width using Automation”, Vol. 41, no.3, (Sep. 2011) *Journal of Instrument Society of India, IISC Bangalore.*, , Pp. 165-167, ISSN: 0970-9983, <http://isu.iisc.ernet.in/~isoi>
4. Ch V B Aditya Kumar and N Dinesh Kumar, “Automation of painting process using PLC”, Vol. 41, no.2, (Jun. 2011), *Journal of Instrument Society of India, IISC Bangalore.*, pp 141-143, ISSN: 0970-9983, <http://isu.iisc.ernet.in/~isoi>

###### Papers presented at National Conferences (Total :4)

1. N Dinesh Kumar, Dr. Anil Kumar Sharma, Dr. V Siva Kumar Reddy, “Congestion Control With Prioritized Multimedia Scheme Using Aodv Routing Protocol In NS2”, Oct 3rd & 4th, 2015, National Conference on "current research in Latest Trends of Management, Arts, Sciences, Technology & Pharmacy", [www.iiar**conferences**.com](http://www.iiarconferences.com)
2. N Dinesh Kumar, “Principal Plane Pattern Distortion Analysis due to Array Thinning”, Jan 9th -10th, 2015, National conference on current trends in computers, control & communication systems (CTCCCS-15). <http://vignanlara.org/CTCCCS/index.html>
3. N Dinesh Kumar, Anil Kumar Sharma, Vustikayala Siva Kumar Reddy, “PPSS for Video Transmission in WSN”, Dec 19th & 20th, 2014, National Conference on *C*urrent Trends in Computer Network Security & Its Framework, Sponsored by Science & Engineering Research Board, Government of India. [www.vignanits.ac.in](http://www.vignanits.ac.in)
4. N Dinesh Kumar, “Routing Algorithms for Wireless Sensor Networks”, Dec 4-5, 2009, *Proc. National conference on Signal Processing and Communication,* Hyderabad. [www.mrcet.ac.in](http://www.mrcet.ac.in)

* **Papers presented and published Online**

1. V.Sriharsha, M.Anusha Reddy & N.V.S.L.Aishwarya, Guide: N.Dinesh kumar, *“PLC Based Virtual Interaction Using Virtual Sensors And Actuators”*, Jan, 2014. <http://www.yuvaengineers.com/2014-papers/electronics-engineering/>

(Yuva Engineer Award for the paper)

**M.Tech Projects Guided**

* 1. P Pavan Kumar (12891D5504) on "Design and Implementation of Power Line Communication"

1. M Anusha (12891D5509) on "Power Management using Power Line Communication"
2. Babul Reddy Ramaswamy (12891D5704) on "An Efficient Denoising Architecture for Removing of Impulse Noise in Image using FPGA"
3. N Tejnag (13891D5507) on "A QoS oriented Vertical Handoff Scheme for WiMAX/WLAN Overlay Networks"
4. M.Anudeep (14891D5501) on "Accessible Display Design to Control Home Area Network"
5. E Jhansi (14891D5502) on "Diet Aid Weight Machine"
6. K Divya (14891D5507) on "Web based Irrigation System Using Wireless Sensor Network and Embedded Linux Board"
7. K Praveen Kumar (15891D5501) on "Mobile Coordinated Wireless Sensor Network: An Energy Efficient Scheme for Real Time Transmissions"
8. A.Sushmitha (18891D5501) on "Practical implementation of 3D smart walking stick for blind people"
9. D. Manoj Kumar (18891D5502) on " Vehicle charging system for smart Cities with IoT enabled eco system"
10. M Uma (18891D5505) on "Digitalized dust alert system for asthma patients and their care takers "

**Certification Courses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Course/Certification | University/Industry | LMS Platform | Month & Year |
| 1 | A System View Of Communications: From Signals To Packets, Part 1 | The Hong Kong University Of Science And Technology | Edx | 16th Nov, 2014. |
| 2 | Publishers: Origins, roles and Contributions |  | Elsevier Publishing Campus | 28th, May, 2015 |
| 3 | Technical Communication for Scientists and Engineers - A Two week ISTE STTP | IIT Bombay | in association with HMRD at VITS | 8th Oct to 5th Dec, 2015 |
| 4 | Python Tutorial Course |  | Sololearn | 24/01/2016 |
| 5 | PHP Tutorial Course |  | Sololearn | 31/01/2016 |
| 6 | Wireless Communication Emerging Technologies | Yonsei University | Coursera | 21/4/2016 |
| 7 | Introduction to the Internet of Things and Embedded Systems | University of California, Irvine | Coursera | 27/11/2018 |
| 8 | The Arduino Platform and C Programming | University of California, Irvine | Coursera | 27/11/2018 |
| 9 | Introduction to IoT | Cisco Networking Academy | Cisco | 22/1/2019 |
| 10 | Elite certificate on "Switching Circuits and Logic Design" | IIT Kharagpur | NPTEL | July-Nov 2019 |
| 11 | Machine Learning | Capability Development | TATA Steel | 9/5/2020 |
| 12 | Advanced Microsoft Excel | Capability Development | TATA Steel | 9/5/2020 |
| 13 | Industry 4.0 | Capability Development | TATA Steel | 13/5/2020 |
| 14 | MS Office | Capability Development | TATA Steel | 14/5/2020 |
| 15 | Introduction to Packet Tracer | Cisco Networking Academy | Cisco | 15/5/2020 |
| 16 | PLCs | Capability Development | TATA Steel | 19/5/2020 |
| 17 | AI For Everyone | deeplearning.ai | Coursera | 6/6/2020 |
| 18 | FDP on Artificial Intelligence & It's Applications | Vignan Institute Of Technology & Science | Brain O Vision | 6/6/2020 to 11/6/2020 |
| 19 | Basic Image Classification with TensorFlow | Coursera Project Network a | Coursera | 8/6/2020 |
| 20 | Perfect Tenses and Modals | University of California, Irvine | Coursera | 11/6/2020 |
| 21 | What Is The Internet Of Things: An Introduction |  | IEEE Educational Activities | 13/6/2020 |
| 22 | Predicting House Prices with Regression using TensorFlow | Coursera Project Network a | Coursera | 17/6/2020 |
| 23 | Python Data Structures | University of Michigan | Coursera | 17/6/2020 |
| 24 | Exploring IoT Industry Applications: The Evolution of Internet of Things for Healthcare |  | IEEE Educational Activities | 19/6/2020 |
| 25 | The Raspberry Pi Platform and Python Programming for the Raspberry Pi | University Of California, Irvine | Coursera | 22/6/2020 |
| 26 | MATLAB Onramp |  | MathWorks | 5/7/2020 |
| 27 | Machine Learning Onram |  | MathWorks | 7/7/2020 |
| 28 | Specialization on "An Introduction to Programming the Internet of Things (IOT)" (1. Introduction to the Internet of Things and Embedded Systems; 2. The Arduino Platform and C Programming; 3. Interfacing with the Arduino; 4. The Raspberry Pi Platform and Python Programming for the Raspberry Pi; 5. Interfacing with the Raspberry Pi; 6.Programming for the Internet of Things Project) | University Of California, Irvine | Coursera | 17/7/2020 |
| 29 | Specialization on "Python for Everybody" (1. Programming for Everybody (Getting Started with Python) 2. Python Data Structures 3. Using Python to Access Web Data 4. Using Databases with Python 5. Capstone: Retrieving, Processing, and Visualizing Data with Python) | University of Michigan | Coursera | 23/7/2020 |
| 30 | Introduction and Programming with IoT Boards | Pohang University of Science and Technology | Coursera | 26/7/2020 |
| 31 | Learn to Program: The Fundamentals | University of Toronto | Coursera | 27/7/2020 |
| 32 | Introduction to Programming with MATLAB | Vanderbilt University | Coursera | 31/8/2020 |
| 33 | Linear Circuits 1: DC Analysis | Georgia Institute of Technology | Coursera | 9/9/2020 |
| 34 | Introduction to Artificial Intelligence (AI) | IBM | Coursera | 15/9/2020 |
| 35 | Linear Circuits 2: AC Analysis | Georgia Institute of Technology | Coursera | 24/9/2020 |
| 36 | Academic English: Writing (1. Grammar and Punctuation; 2. Getting Started with Essay Writing ; 3. Advanced Writing; 4. Introduction to Research for Essay Writing; 5. Project: Writing a Research Paper) | University of California, Irvine | Coursera | 30/9/2020 |
| 37 | Machine Learning Foundations |  | Great Learning Academy | Oct, 2020 |
| 38 | Smart English Basics for Professionals |  | Great Learning Academy | Oct, 2020 |
| 39 | STTP on "Energy Efficient Techniques for 5G Wireless Communications" (Project Based Learning Approach) | Pune Institute Of Computer Technology, | AICTE | 5/10/2020 to 10/10/2020 |
| 40 | Online FDP on "Artificial Intelligence" | Motilal Nehru NIT, Allahabad | AICTE Training and Learning (ATAL) Academy | 1/10/2020 to 5/10/2020 |
| 41 | Online FDP on "Artificial Intelligence" | CSIR, Bhopal | AICTE Training and Learning (ATAL) Academy | 16/11/2020 to 20/11/2020 |
| 42 | Python For Machine Learning |  | Great Learning Academy | Nov, 2020 |
| 43 | Crash Course on Python | Google | Coursera | 12/11/2020 |
| 44 | STTP on "IoT powered Solutions for Healthcare Innovations" | KCG College of Technology, Chennai | AICTE | 30/11/2020 to 5/12/2020 |
| 45 | Statistics for Machine Learning |  | Great Learning Academy | Dec, 2020 |
| 46 | TI Embedded System Design Using MSP430 MCU | TI | AICTE | 12/12/2020 |
| 47 | Internet of Things (IoT) | University of Hyderabad | AICTE Training and Learning (ATAL) Academy | 8/2/2021 to 12/2/2021 |
| 48 | Academic Planning |  | Vmedulife Software Services | 20/2/2021 |
| 49 | ModernApps Ninja 101 | VMware Tanzu | VMware Modern Application Platforms | 7/4/2021 |
| 50 | Introduction to VMware Tanzu Portfolio | VMware Tanzu | VMware Modern Application Platforms | 10/4/2021 |
| 51 | Tanzu Kubernetes Grid 101 | VMware Tanzu | VMware Modern Application Platforms | 12/4/2021 |
| 52 | Introduction to Packet Tracer | Cisco Netacademy | Cisco | 25/4/2021 to 5/05/2021 |
| 53 | Cybersecurity Essentials | Cisco Netacademy | Cisco | 05/5/2021 to 11/05/2021 |
| 54 | Introduction to Cybersecurity | Cisco Netacademy | Cisco | 01/5/2021 to 15/05/2021 |
| 55 | Advanced Applications in Artificial Intelligence and Machine Learning | Marathwada Mitra Mandal’s Institutions MMCOE and MMIT, Pune | Online | 2/8/2021 to 6/8/2021 |
| 56 | Graphical System Design in Engineering & Research Applications | Vidyavardhaka College of Engineering, Mysuru | Online | 6/9/2021 to 11/9/2021 |
| 57 | Introduction to IOT | Cisco Netacademy | Cisco | 1/9/2021 to 13/09/2021 |
| 58 | Internet of Things | Skill AP APSSDC and Pantech e learning Pvt Ltd | Online | 19/9/2021 to 18/9/2021 |
| 59 | Machine Learning | Skill AP APSSDC and Pantech e learning Pvt Ltd | Online | 15/11/2021 to 14/12/2021 |
| 60 | Energy: Power Generation, Healthcare, Aviation Systems | Forge | Online | Oct, 2021 to Jun, 2022 |

**Resource Person**

1. Lectured series of lectures on “NS2 Programming”, VITS, Hyderabad.
2. Visiting faculty for Off-campus Virtusa MS program by BITS, Pillani for Digital Electronics & Microprocessor from 2012 to Till date.
3. Visiting faculty for Off-campus Wipro MS program by BITS, Pillani for Digital Electronics & Microprocessor from 2009 to Till date.
4. GATE-2014 coaching at VITS on “Digital Electronics”.
5. Lectured series of lectures on “VHDL programming” VITS, Hyderabad.
6. Lectured on “Zigbee technology”, a Two day National level FDP on “Sensor Technologies (ST-09)”, VITS, Hyderabad, Jul 2009.
7. Lectured on “Conducting lab in an Effective & Efficient way” for a One day Orientation program for faculty at VITS, Hyderabad., Dec 2008.

**Responsibilities**

1. Head of ECE Department.
2. Dean R & D, Ex - Dean -Academics, Ex- Vice-Principal
3. Remote Center Coordinator (RC1126) for IIT Bombay ISTE Short Term Training Programme (STTP).
4. Remote Center coordinator for Indian Institute of Remote Sensing (IIRS) "e-learning courses."
5. Professor in-charge for Vignan Robotic Club (VRC).
6. Chief Coordinator for Cultural fest- Tarang-12 to Tarang-20
7. Chief Coordinator for Technical events Vignite -13 and Yantriyan-14.
8. Chairman for “Vignan Dhara” the college Central Library.

**Training / Orientation / Refresher Courses Organized**

1. Organised webinar on e-Resources of IEEE Xplore for “Taking Research Forward Even During the Pandemic” in collaboration with IEEE
2. Remote center Coordinator for a One day Workshop on “C & C++” at VITS organized by IIT Bombay in association with HMRD on 29th Feb, 2020.
3. Remote center Coordinator for a One day Workshop on “Arduino” at VITS organized by IIT Bombay in association with HMRD on 8th Feb, 2020.
4. Remote center Coordinator for a One day Workshop on “Python” at VITS organized by IIT Bombay in association with HMRD on 22nd June 2019.
5. Remote center Coordinator for a Two week ISTE STTP on “CMOS, Mixed Signal and Radio frequency VLSI Design” at VITS organized by IIT Bombay in association with HMRD during 30th Jan, to 04th Feb, 2017
6. Remote center Coordinator for a Two week “Engineering Physics” workshop at VITS organized by IIT Bombay in association with HMRD during 8th to 18th Dec, 2015.
7. Remote center Coordinator for a One week “Technical Communication for Scientists and Engineers” workshop at VITS organized by IIT Bombay in association with HMRD during 30th Nov to 5th Dec, 2015.
8. Remote center Coordinator for a Two week ISTE STTP on “Introduction to Design of Algorithms” at VITS organized by IIT Kharagpur in association with HMRD during 27th Apr to 30st May, 2015.
9. Workshop Coordinator for a Two week ISTE STTP on “Pedagogy for Effective use in ICT in Engineering Education” at VITS organized by IIT Bombay in association with HMRD during 5th Jan to 31st Jan, 2015.
10. Convener for a Two Day National Conference on “Current Trends in Computer Network Security & Its Framework” 19th – 20th Dec 2014 – Sponsored by Science & Engineering Research Board, Government of India.
11. Remote center Coordinator and AView coordinator for a 2 day “Steps 2 Research” workshop at VITS organized by Amala Jyothi College of Engineering, Kerala on 18th & 19th Sep, 2014.
12. Remote center Coordinator for a Two week ISTE workshop on “Cyber Security” at VITS organized by IIT Bombay in association with HMRD during 10th July to 20th July, 2014.
13. Remote Center Coordinator for Two week ISTE workshop on “Computer Networking” at VITS organized by IIT Bombay in association with HMRD during 28th May to 5th July, 2014.
14. Workshop Coordinator for a Two week ISTE workshop on “Computer Programming” at VITS organized by IIT Bombay in association with HMRD during 28th May to 5th Jul, 2014.
15. Remote center Coordinator for a 11 day “Fluid Mechanics” workshop at VITS organized by IIT Karagpur in association with HMRD during 20th May to 30th May, 2014
16. Organized a 10 day department level workshop on “NS2 Programming”, VITS, Hyderabad, Dec 12th to 23rd, 2013.
17. Organized a Ten day National level workshop on “Microcontrollers & its Applications”, VITS, Hyderabad, June 20 -29, 2013.
18. Organized a Four day National level workshop on “8051 Microcontroller and its applications”, VITS, Hyderabad, Dec 24th to 28th, 2013.
19. Organized a Five day National level workshop on “PLC’s , SCADA and Drives”, VITS, Hyderabad, Feb 11 -15, 2013.
20. Organized a Two day National level workshop on “Photonics & its Applications”, at VITS in collaboration with ISOI Hyderabad chapter. Jan 4th & 5th 2013.
21. Organized a two day National level workshop on “Labview”, VITS, Hyderabad, Sep 2012.
22. Organized a Five day National level workshop on “PIC microcontrollers”, VITS, Hyderabad, Mar 2012.
23. Organized a Five day National level workshop on “8051 Microcontroller”, VITS, Hyderabad, Sep 2011.
24. Organized a One day National level workshop on “Vedic Science & Technology”, VITS, Hyderabad, Sep 2010.
25. Organized a Two day National level FDP on “Virtual Instrumentation”, VITS, Hyderabad, Jul 2010.
26. Organized a Two day National level FDP on “Sensor Technologies (ST-09)”, VITS, Hyderabad, Jul 2009.
27. Organized a One day National level workshop on “Nano materials & applications”, VITAE & VITS, Hyderabad, Mar 2009
28. Organized a One day National level workshop on “Research Methodologies”, VITAE & VITS, Hyderabad, Mar 2009
29. Organized a Three day National level workshop on “Designing & Controlling of Robots through Internet/Mobile”, VITS, Hyderabad, Mar 2009
30. Organized a One day National level Seminar on “Robotics”, VITS, Hyderabad, Jan 2009
31. Organized a Six day National level workshop on “PLC and SCADA”, VITS, Hyderabad, May, 2006.
32. Organized a Three day National level workshop on “Present trends in VLSI”, VITS, Hyderabad, Jan, 2005.

### **Training / Orientation / Refresher Courses attended**

1. Attended 1 day Coordinators workshop on “Arduino” at IIT Bombay in association with HMRD on 18th Jan, 2020
2. Participated in FDP program on " Labview", organized by ECE, VITS in association with NI, Bangalore, from July 15th to July, 20th, 2019.
3. Participated in FDP program on " Raspberry -pi", organized by ECE, VITS from June 26th to July, 2nd, 2019.
4. Participated in FDP on "Python Programming", organized by CSE, VITS in association with Brain O Vision from 26th June to 2nd July, 2018.
5. Certification for completing the task based Training (TBT) challenge - 2016 conducted by e-Yantra Lab Setup Initiative (eLSI), IIT Bombay
6. Attended the Awareness workshop on 'Outcome Based Education and Accreditation", on 14th Sep, 2015 held at JNTUH, under TEQIP-II, JNTUHCEH
7. Attended a 14 day “Pedagogy” workshop at VITS organized by IIT Bombay in association with HMRD during 5th Jan to 21st Jan, 2015.
8. Attended a 2 day “Steps 2 Research” workshop at VITS organized by Amala Jyothi College of Engineering, Kerala on 18th & 19th Sep, 2014
9. Attended a 11 day “Cyber Security” workshop at VITS organized by IIT Bombay in association with HMRD during 10th July to 20th July, 2014.
10. Attended two week National level workshop on **“Computer Networking”** program at VITS, in association with IITB. (June 30th to July 5th, 2014)
11. participated one week National level Coordinators workshop on **“Computer Networking”** at IITB.(May 5th to 9th, 2014)
12. Attended a Two week ISTE workshop on “Signals & Systems” at VITS from 2nd to 12th Jan, 2014, Hyderabad organized by IIT Khargpur & IIT Bombay.
13. Attended a two day national level workshop on “Network Simulators” at GITAM University, Hyderabad, 2013, Aug 20th & 21st.
14. Attended a Five day National level workshop on “PLC’s , SCADA and Drives”, VITS, Hyderabad, Feb 11 -15, 2013.
15. Attended a Two day National level workshop on “Photonics & its Applications”, at VITS in collaboration with ISOI Hyderabad chapter on Jan 4th & 5th 2013.
16. Attended 5 day workshop on “Microcontroller programming and Application (8051) using C”, ATI, Vidya nagar, Hyderabad, Nov, 2012.
17. Attended a two days advanced training on "LabVIEW and its Applications" from 12th - 13th Sep, 2012, conducted by EIE department, VITS in collaboration with Trident Techlabs Pvt Ltd, Hyderabad.
18. Participated in a two week ISTE workshop on “Introduction to Research Methodologies” workshop at VITS organized by IIT Bombay in association with HMRD during 25th Jun to 4th Jul, 2015.
19. Attended One Day National level workshop on “Business Opportunities in Composite Materials”, VITS, Hyderabad, Feb. 2012.
20. Attended One Day National level Seminar on “Wireless Sensor Networks”, University of Hyderabad, Nov. 2011.
21. Attended workshop on “Research Methodology & Network Simulator-2 (NS2)”, KSR College of Engineering, Tiruchengode, TN, on 24th & 25th Sep. 2011.
22. Attended Three Day National level workshop on “Educational Management & Academic Planning”, VITS, Hyderabad, Mar. 2011.
23. Participated in Techie track - hands on! contest of Inspire - the faculty contest series at regional level organized by Campus COnnect - Infosys IAPP
24. Attended One Day National level workshop on “Vedic Science & Technology”, VITS, Hyderabad, Sep. 2010.
25. Attended Two Day National level workshop on “Virtual Instrumentation”, VITS, Hyderabad, 9th Jul. 2010.
26. Attended Six Day National level workshop on “Pragmatic Embedded Systems”, GNITS, Hyderabad, 21st Jun to 26th Jun, 2010.
27. Attended Two Day National level workshop on “Sensor Technologies(ST-09)”, VITS, Hyderabad, Jul. 2009.
28. Attended Two Day National level workshop on “Latest Trends in Mobile Communications”, Sri Vidyanekethan Engg College, Tirupathi, Jun. 2009.
29. Attended Three Day National level workshop on “Designing & Controlling of Robots through Internet/Mobile”, VITS, Hyderabad, May. 2009.
30. Attended One Day National level workshop on “Nano materials & applications”, VITAE, Hyderabad, Mar. 2009.
31. Attended One Day National level workshop on “Research Methodologies”, VITAE, Hyderabad, Mar. 2009.
32. Participated in short term course on " hands on Technology through Robotics" organized by VITS in association with LARE and Robotronics.
33. Attended One Day seminar on “Robotics”, VITS, Hyderabad, Jan. 2009.
34. Attended One Day faculty Orientation Program on “Conducting lab in an Effective & Efficient way”, VITS, Hyderabad, Dec, 2008.
35. Attended 2 Day workshop on “Real Time Signal Processing”, organized by Dept of ECE, OU, Hyderabad, 26-27 Sep 2008.
36. Attended 3 Day workshop on “Hands on Linux”, VITS, Hyderabad, Sep 2008.
37. Attended Two Day National level workshop on “Semi-custom VLSI Design - An FPGA Based Approach”, organized by UTS and Vardhaman College, Hyderabad, 5th-6th Nov, 2007
38. Attended Six Day National level workshop on “PLCs, MMI, SCADA & AC Drives”, VITS, Hyderabad, May 2006
39. Attended Three Day National level workshop on “Present trends in VLSI”, VITS, Hyderabad, Jan 2005.
40. Attended Three Day National level Orientation program for staff on “Orientation course on EDC”, VEC, Vadlamudhi, May 2004.
41. Participated in short term course on "DSP for Embedded System Development" from 08/12/04 to 10/12/04 at VITS, Deshmukhi
42. Attended Ten day National level workshop on “VHDL programming”, AITS, Rajampet, May 2003
43. Completed course in "Java Programming" from Software Technology Group International Ltd on 30th Oct, 2000.
44. Attended one week course on "Expert lectures on Transducers and Instrumentation", organized by Sri Venkateswara University, Tirupathi in Sep, 1999
45. Completed Post graduate Diploma in Computer Science from Software Solution Integrated Limited, Chennai on 24/5/1998
46. Completed certification "course in Unix & C" from Softcom Systems, Hyderabad (15-4-1996 to 15-06-1996)

PhD Thesis Topic:

"IMPROVING THE QOS USING PRIORITY PACKET SCHEDULING SCHEME FOR MULTIMEDIA DATA IN WSN" under the guidance of Dr Sachin Saxena and under supervision of Dr VSK Reddy

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