

## Publications Summary

<b>Scopus Indexed Publications</b>	<b>16</b>
<i>International Journals Published</i>	<b>26</b>
<b>Communicated SCI / Scopus Indexed Journals</b>	<b>13</b>
<i>International Conferences</i>	<b>15</b>
• <b>IEEE Explorer</b>	<b>04</b>
<i>National Conference</i>	<b>25</b>

## Publications

### Journals

- **D.Vijendra Babu**, D.C.Jenniffer,R.Karthikeyan,“Line follower Robot & Obstacle detection using PID controller”, AIP Conference Proceedings 2271,030005(2020),pp.1-7(**Scopus Indexed**)
- **D.Vijendra Babu**, Adharsh Nair, Nikhil Sreenivas,Shammas Nasar, “Intelligent Street lightning using Traffic & ambient lightning”, AIP Conference Proceedings 2271,030008(2020),pp.1-5(**Scopus Indexed**)
- **Dr.D.Vijendra Babu**, M.Karthick,C.Iyyapan,“Advanced User Interface of Wheelchair based on Android”, International Journal of Engineering and Advanced Technology,Vol. 8,Issue-6S3,pp.2094-2096,September 2019.(**Scopus Indexed**)
- **Dr.D.Vijendra Babu**,S.Dhanushya,S.Aravind,V.P.Mohammed Aslam, “Arduino based Automatic License issuing system”, International Journal of Engineering and Advanced Technology, Vol.8,Issue-6S3,pp.2097-2099,September 2019.(**Scopus Indexed**)

## Publications Summary

<b>Scopus Indexed Publications</b>	<b>16</b>
<i>International Journals Published</i>	<b>26</b>
<b>Communicated SCI / Scopus Indexed Journals</b>	<b>13</b>
<i>International Conferences</i>	<b>15</b>
• <b>IEEE Explorer</b>	<b>04</b>
<i>National Conference</i>	<b>25</b>

## **Publications**

### **Journals**

- **D.Vijendra Babu**, D.C.Jenniffer,R.Karthikeyan,“Line follower Robot & Obstacle detection using PID controller”, AIP Conference Proceedings 2271,030005(2020),pp.1-7(**Scopus Indexed**)
- **D.Vijendra Babu**, Adharsh Nair, Nikhil Sreenivas,Shammas Nasar, “Intelligent Street lightning using Traffic & ambient lightning”, AIP Conference Proceedings 2271,030008(2020),pp.1-5(**Scopus Indexed**)
- **Dr.D.Vijendra Babu**, M.Karthick,C.Iyyapan,“Advanced User Interface of Wheelchair based on Android”, International Journal of Engineering and Advanced Technology,Vol. 8,Issue-6S3,pp.2094-2096,September 2019.(**Scopus Indexed**)
- **Dr.D.Vijendra Babu**,S.Dhanushya,S.Aravind,V.P.Mohammed Aslam, “Arduino based Automatic License issuing system”, International Journal of Engineering and Advanced Technology, Vol.8,Issue-6S3,pp.2097-2099,September 2019.(**Scopus Indexed**)
- **Dr.D.Vijendra Babu**,S.K.Sivasubramanian,“Home automation through Eyeball motion for Disabled persons”, International Journal of

Engineering and Advanced Technology, Vol.8,Issue-6S3,pp.2113-2116,September 2019.**(Scopus Indexed)**

- **D.Vijendra Babu**, Dr.N.R.Alamelu , “Performance Analysis of Medical Images applying Novel Morpho Codec”, ARPN Journal of Engineering and Applied Sciences, Issue No.9,Vol. No.10, pp.3966-3969, May 2015.ISSN: 1819-6608. **(SNIP-0.473, Scopus Indexed)**
- **D.Vijendra Babu**, M.Thilak, A.Karthikeyan, V.Rajendran, Suryaprakash, “Biometric facial image encryption for secure image storage”, Journal of Chemical & Pharmaceutical Sciences (JCHPS) ISSN: 0974-2115, Special Issue.9, April 2016, pp. – 2186-2188. **(SNIP-0.343, Scopus Indexed)**
- **D.Vijendra Babu**,Vivek Kumar Verma,Dipeshwar Kumar Yadav,Niteshwar Kumar Yadav, “MEMS based Smart & Secure Home Automation system with Multi-way control & monitoring facility using Smartphone”, Journal of Chemical & Pharmaceutical Sciences (JCHPS) ISSN: 0974-2115, Special Issue.9, April 2015, pp. - 357-359. **(SNIP-0.343, Scopus Indexed)**
- **D.Vijendra Babu**,Saravanan,Priyaranjan Kumar,Suraj Singh, “Automated Robotic Receptionist with Embedded Touch screen”, Journal of Chemical & Pharmaceutical Sciences (JCHPS) ISSN: 0974-2115, Special Issue.9, April 2015, pp - 415-417. **(SNIP-0.343, Scopus Indexed)**
- **D.Vijendra Babu**,Shalini,Sarath,Niharika,Ismail Shurab, “Linear Barcode Scanning system based on Dynamic Template Matching for OOF Blurred Images”, Journal of Chemical & Pharmaceutical Sciences (JCHPS) ISSN: 0974-2115, Special Issue.9, April 2015, pp - 418-421. **(SNIP-0.343, Scopus Indexed)**
- **D.Vijendra Babu**, Nagarjuna Reddy,Dheeraj Kumar,Gopichand,Gautham, “Acquisition of Cardiac Signals using Sensors in Smartphone”, Journal of Chemical & Pharmaceutical Sciences (JCHPS) ISSN: 0974-2115, Special Issue-9, April 2015, pp. - 436-438. **(SNIP-0.353, Scopus Indexed)**

- **D.Vijendra Babu**, Dr.N.R.Alamelu, “A Novel Morpho Codec Medical Video Compression based on Lifting Wavelet Transform”, Asian Journal of Scientific Research, Vol.7, No.1, pp. 85-93, March 2014. ISSN:1992-1454/DOI:10.3923/ajsr.2014.85.93.(**SNIP-0.3461,Scopus Indexed**)
- **D.Vijendra Babu**, P.Subramanian, R.Karthikeyan, “A Novel monitoring and collision avoidance systems for Blind zone using IVWSN”, International Journal of Pure and Applied Mathematics, Vol.119, No.16 (Special Issue),pp. 1777-1781, 2018.
- R.Karthikeyan, **D.Vijendra Babu**, “Modern Vehicle protection and driver monitoring system”, International Journal of Pure and Applied Mathematics, Vol.119, No.16 (Special Issue),pp. 2027-2031, 2018.
- P.Subramanian, **D.Vijendra Babu**,R.Karthikeyan,“Remote monitoring of Elderly patients and dispatching of emergency services using Internet of Things”, International Journal of Pure and Applied Mathematics, Vol.119, No.16 (Special Issue),pp. 2109-2112,2018.
- P.Subramanian, **D.Vijendra Babu**,R.Indhumathi, “Improving the Security of Automatic Teller Machines using Biometric Technologies”, International Journal of Pure and Applied Mathematics, Vol.119, No.16 (Special Issue),pp. 2113-2116, 2018.
- **D.Vijendra Babu**,P.Subramanian,R.Karthikeyan, “Vehicle to Vehicle Emergency message modelling system using CAR 2-X”,International Journal of Pure and Applied Mathematics, Vol.119, No.16 (Special Issue),pp. 2145-2149,2018.
- **D.Vijendra Babu**, P.Subramanian, R.Karthikeyan, “Voice Controlled Wheel Chair”, International Journal of Pure and Applied Mathematics, Vol.119, No.16 (Special Issue), pp. 2157-2161, 2018.
- **D.Vijendra Babu**, P.Subramanian, R.Sureshkumar, “Smart disaster warning system using IOT”, International Journal of Pure and Applied Mathematics, Vol.118, No.5 (Special Issue),pp. 1049-1052, 2018.

- P.Subramanian, **D.Vijendra Babu**, R.Karthikeyan, “Level monitoring of containers for effective clearing of garbage and hazardous materials”, International Journal of Pure and Applied Mathematics, Vol.118, No.5 (Special Issue), pp. 1043-1046, 2018.
- R.Sureshkumar, **D.Vijendra Babu**, “Intrusion detection and automatic gun firing control mechanism”, International Journal of Pure and Applied Mathematics, Vol. 118, No.5 (Special Issue), 2018.pp. 1037-1040.
- **D.Vijendra Babu**,Vaishnavidevi,“Encryption and Fusion of Target Decision Based On Channel Gain in Wireless Sensor Networks”, in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)-Volume 3, Special Issue 3, April 2014.ISSN (Online):2278-8875
- **D.Vijendra Babu**,Anandkumar, “Expected Path Bandwidth Based Efficient Routing Mechanism in Wireless Mesh Network”, in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE)-Volume 3, Special Issue 3, April 2014.ISSN (Online):2278-8875
- **D.Vijendra Babu**, Dr.N.R.Alamelu, “A Novel Medical Image Compression based on Lifting Wavelet Transform”, Jokull Journal, Vol. 63, No. 9; pp. 45-54, Sep 2013. ISSN: 0449-0576.
- **D.Vijendra Babu**, Dr.N.R.Alamelu, “Wavelet based Image Compression using ROI EZW”,International Journal of Recent Trends in Engineering (IJRTE),Vol.1,Issue No.3,April 2009.ISSN No.: 1797-9617
- **D.Vijendra Babu**, Dr.N.R.Alamelu, Implementation of Energy Efficient Wavelet Transform in Spartan 3E FPGA,International Journal on Computer Applications (IJCA), Vol.12, Issue No.9, February 2010.ISSN No.: 0975-8887. DOI-10.5120/263-422

**Communicated : 13**

- T.Rajesh Kumar, C.Karthikeyan, **D.Vijendra Babu**, M.Baskar and R.Jayaraman, “Voice Conversion Techniques for Body-Conducted Unvoiced Speech based on Taylor-Boltzmann Machines Trained DNN ”, 2020, The Computer Journal, Oxford University Press (**Impact Factor-1.350, Science Citation Indexed , Q2**)
- **D.Vijendra Babu**, “IoT-HarPSecA: A Secure Design and Development System of Roadmap for Devices and Technologies in IoT Space”, 2020, Microprocessors and Microsystems, Oxford University Press (**Elsevier, Impact Factor-1.161, Science Citation Indexed, Q3**)
- **D.Vijendra Babu**, “Multisensor and Cross-mission Image and Data fusion technologies”, 2020, Microprocessors and Microsystems, Oxford University Press (**Elsevier, Impact Factor-1.161, Science Citation Indexed, Q3**)
- **D.Vijendra Babu**, “Deep Learning Techniques for Speech segmentation and Recognition: An Overview”, 2020, International Journal of Speech Technology (**Springer /ESCI / Scopus Indexed, Q2**)
- **D.Vijendra Babu**, “Epoxy-based Textile 3\*3 Grid Microstrip slots and Tumor coverage detection with composites”, Materials Today: Proceedings, 2020(**Elsevier-Scopus Indexed**)
- **D.Vijendra Babu**, “Wearable Transceiver by 3\*3 Grid structure and Tumor’s coverage diagnostic by composites”, Materials Today: Proceedings, 2020(**Elsevier-Scopus Indexed**)
- **D.Vijendra Babu**, K.Sitaram,Venkata Akhil Reddy,Pavan Kumar, Ramki and T Rajesh Kumar, “Remote Monitoring of COMA Patients Using Zigbee”, IOP Conf. Series: Materials Science and Engineering 967(2020) 012017.(**Scopus Indexed**)
- **D.Vijendra Babu**,Menta Harish,Mohd.Azarudeen,Ravi Siva Kasi Reddy and Kevin Jose, “Raspberry Pi based Real Time Vehicle Accident

Intimation with Alert Message and Image Capture”, IOP Conf. Series: Materials Science and Engineering 967(2020) 012017. **(Scopus Indexed)**

- **D.Vijendra Babu**, K.V.Shijin, N.S.Sreejith, Anjana and C.Karthikeyan, “Automatic Irrigation Systems for Efficient usage of Water using Embedded Control Systems”, IOP Conf. Series: Materials Science and Engineering 967(2020) 012017. **(Scopus Indexed)**
- **D.Vijendra Babu**, C.Karthikeyan, Shreya and Abhishek Kumar, “Performance Analysis of Cost and Accuracy for Whale swarm and RMSprop Optimizer”, IOP Conf. Series: Materials Science and Engineering 967(2020) 012017. **(Scopus Indexed)**
- **D.Vijendra Babu**, P.Subramanian, R.Karthikeyan, N.Akash, U.Phanindra and G.Hemanth, “RFID and GSM based Automatic Dispensing and Monitoring of Sanitary Napkin Vending Machine for Menstrual Hygiene among Women”, IOP Conf. Series: Materials Science and Engineering 967(2020) 012017. **(Scopus Indexed)**
- C.Karthikeyan, E.Sreedevi, Naveen Kumar, T.Rajesh Kumar, E.Vamsidhar and **D.Vijendra Babu**, “Cost Optimization in Neural Network using Whale Swarm Optimization with Batched Gradient Descent”, IOP Conf. Series: Materials Science and Engineering 967(2020) 012017. **(Scopus Indexed)**
- V.Chandrasekar, **D.Vijendra Babu** and K.Somasundaram, “Designing of Tele-Health Smart Sensor Device to assist Home care Staff”, IOP Conf. Series: Materials Science and Engineering 967(2020) 012017. **(Scopus Indexed)**

**International Conference : 15**

- C.Karthikeyan, **D.Vijendra Babu**, P.Malarvezhi, Tamilselvan and T.Rajeshkumar, “**An Efficient implementation of IWT-DCT-SVD for copyright protection in Digital Watermarking algorithm**”, International Conference on Electronics, Photonics and Smart Technologies (ICePhaST), 16th-18th November, 2020, Department

of ECE, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Chennai.

- Vamsidhar Enireddy, **D.Vijendra Babu**, C.Karthikeyan, P.Malarvezhi, N.Naveen, “**Location tracking system for Vehicular emergency using IoT**”, “International Conference on Electronics, Photonics and Smart Technologies (ICePhaST), 16th-18th November, 2020, Department of ECE, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Chennai.
- T.Rajeshkumar, **D.Vijendra Babu**, C.Karthikeyan, P.Malarvezhi and D.Haritha, “**Boltzmann-Dirichlet Process Mixture: A Mathematical Model for Speech Recognition**”, International Conference on Electronics, Photonics and Smart Technologies (ICePhaST), 16th-18th November, 2020, Department of ECE, Faculty of Engineering and Technology, SRM Institute of Science and Technology, Chennai.
- **D.Vijendra Babu**, Dr.N.R.Alamelu, “L Shaped Morpho Codec for Medical Video Sequences”, 2018 IEEE International Conference on Computational Intelligence and Computing Research (IEEE ICCIC), Madurai, Tamil Nadu, INDIA, December, 2018. pp 257-259. ISBN: 978-1-5386-1508-9. (**IEEE Explorer- Scopus Indexed**)
- **D.Vijendra Babu**, “Industry 4.0-Develoments, Impacts & Requirements”, 3rd Summit of Automobile Component Manufacturers Association Centre for Technology (ACT), Pune, December 2017.
- **D.Vijendra Babu**, Dr.N.R.Alamelu, “A Novel Morpho Codec for Medical Images”, 2<sup>nd</sup> IEEE International Conference on Innovations, Embedded and Communication Systems (ICIIEC), Coimbatore, Tamil Nadu, INDIA, March, 2015. Page No.1564-1567 .ISBN: 978-1-47956816-9.
- **D.Vijendra Babu**, Thilak, Karthikeyan, Rajendran, Suriyaprakash, “Biometric Facial Image Encryption for Secure Image Storage”, in 2<sup>nd</sup>



International Conference on Architecture, Software Systems & Green Computing (ICASG),AVIT,May, 2015.

- **D.Vijendra Babu**,Viswath Kumar, “Voice Recognition Robotic Dog Guiding Visually Impaired People”, in 2<sup>nd</sup> International Conference on Architecture, Software Systems & Green Computing (ICASG '15),AVIT, May, 2015.
- **D.Vijendra Babu**,Mrinal Mohan,Ashutosh Kumar,Vikash Kumar,Nishant Kumar, “Driverless Train Control System with Real Time Tracking & Disaster Prevention Network”, in 2<sup>nd</sup> International Conference on Architecture, Software Systems & Green Computing (ICASG ), Aarupadai Veedu Institute of Technology ,May 2015.
- **D.Vijendra Babu**, Dr.N.R.Alamelu, “A Novel Morpho Codec Medical Video Compression”, 2013 IEEE International Conference on Computational Intelligence and Computing Research (IEEE ICCIC),Madurai, Tamil Nadu, INDIA, December , 2013.pp 623-627.**(IEEE Explorer- Scopus Indexed)**
- **D.Vijendra Babu**,Dr.N.R.Alamelu,P.Subramanian, “Energy Efficient Wavelet based Image Compression using Modified ROI EZW”, International Conférence on Information Sciences & Applications (ICISA), Panimalar Engineering College, Chennai, February 2010.ISBN 978-81-907677-9-8
- **D.Vijendra Babu**,Dr.N.R.Alamelu,P.Subramanian, N.Ravikannan, “EBCOT using Energy Efficient Wavelet Transform”, International Conference on Computing, Communication & Networking '08 (ICCCN), Chettinad College of Engineering & Technology, Karur,Tamil Nadu, December 2008.10.1109/ ICCCN. 2008. 4787746 **(IEEE Explorer- Scopus Indexed)**
- **D.Vijendra Babu**,P.Subramanian,C.Karthikeyan, “Performance Analysis of Block Matching Algorithms for Highly Scalable Video Compression”, International Symposium on Ad Hoc & Ubiquitous Computing

(ISAHUC),in conjunction with the 14th International Conference on Advanced Computing and Communications (ADCOM), National Institute of Technology-K(NITK), Mangalore, India, December 2006, pp-179-182:ISBN: 1-4244-0731-1 (**IEEE Explorer- Scopus Indexed**)

- **D.Vijendra Babu**, Subramanian, N.Ravikannan, “Micro Blaze and UCLINUX Based Data Acquisition on SPARTAN 3E”, International Conference on VLSI &Embedded Systems ‘08(IC VLSI), Velammal Engineering College, February 2008.pp:1-4: ISBN: 81-8424-300-6.
- R.Vijaya Arjunan, **D.Vijendra Babu**, C.Karthikeyan ,Dr.V.Vijayakumar, “Improved Multi Threshold Filter(IMTF) for Medical Image Denoising”,International Conference on Advanced Computing & Communication Technologies for High Performance Applications (ICCHPC), Federal Institute of Science &Technology (FISAT),Kerala, September 2008. pp-449-452

#### **National Conference : 25**

- K.Sitaram,Pavan Chowdary,Akhil Reddy,**D.Vijendra Babu**, “A Smart band for Women safety using Raspberry Pi”,National conference on Hardware Security,AVIT,June 2020.
- **D.Vijendra Babu**,Vaishnavidevi,“Channel aware Encryption & Decision fusion for Wireless Sensor Networks”, Mid Term Symposium on Broadband Technologies & Services for Rural India (MTS 2014), IETE Chennai Centre, April 2014.
- **D.Vijendra Babu**, Mohanraj,Sreeraj, “Novel System for Identification of Lost & Theft Debit / Credit Cards”, National Conference on National Conference on Innovative & Emerging Trends in Engineering and Technology (NCIETET’14), Panimalar Institute of Technology, Chennai, May 2014.
- **D.Vijendra Babu**, Shankar, “Designing of RFID Ultra High Frequency Tag Antenna”, National Conference on Innovative & Emerging Trends in

Engineering and Technology (NCIETET'14), Panimalar Institute of Technology, Chennai, May 2014.

- Premangeeth,**D.Vijendra Babu**, “Image Compression by using New Wavelet Filter Coefficients”, 2nd National Conference on Expanding Horizon in Computer, Information Technology, and Telecommunication & Electronics (EXCITE 2013), PITAM, Chennai, April 2013.ISBN: 978-0-988421-8-2
- Ritambara Kumari,**D.Vijendra Babu**, “Image Enhancement Using Discrete and Stationary Wavelet Transforms”,6th National Conference on VLSI, Embedded Systems Signal Processing and Communication Technologies, Aarupadai Veedu Institute of Technology, Chennai, April 2013.ISBN: 978-93-81208-22-9
- Shyamala, Sri Latha, Supriyakumari, **D.Vijendra Babu**, “Edge Detection of Angiogram Images Using the Classical Image Processing Techniques”, 6th National Conference on VLSI, Embedded Systems Signal Processing and Communication Technologies, Aarupadai Veedu Institute of Technology, Chennai, April 2013.ISBN: 978-93-81208-22-9
- Indranil Ghosh, Jayant Kumar Modak, Mandal Ayan ,**D.Vijendra Babu**, “Analysis of CT and MRI Image Fusion Using Wavelet Transform”, 6th National Conference on VLSI, Embedded Systems Signal Processing and Communication Technologies, Aarupadai Veedu Institute of Technology, Chennai, April 2013.ISBN: 978-93-81208-22-9
- Rakesh Raushan, Ravi Kumar Soni, **D.Vijendra Babu**, “New Feature-Based Detection of Blood Vessels and Exudates in Color Fundus Image”, 6th National Conference on VLSI, Embedded Systems Signal Processing and Communication Technologies, Aarupadai Veedu Institute of Technology, Chennai, April 2013.ISBN: 978-93-81208-22-9

- Premangeeth, **D.Vijendra Babu**, “Efficient Image Compression by using Wavelet Filter Coefficients”, Apollo Research Conference 2013, Apollo College of Engineering, Chennai, April 2013.
- Premangeeth,**D.Vijendra Babu**, “Compression by using Wavelet Filter Coefficients for Effective Transmission of Image”, 2<sup>nd</sup> National Conference on Electronics, Communication & Signal Processing, Rajiv Gandhi College of Engineering, Sriperumpathur, Chennai, April 2013.
- M.Dharanidharan, **D.Vijendra Babu**, “A Steganographic Method Based on Integrated Wavelet Transform and Generic Algorithm”, National Conference on Architecture, Software System & Green Computing (NCASG’12), Aarupadai Veedu Institute of Technology , May 2012. ISBN: 978-93-81208-09-0
- Indeti Naren Kumar, **D.Vijendra Babu**, “Advanced Mouse Pointer Control Using Trajectory-Based Gesture Recognition”, National Conference on Architecture, Software System & Green Computing (NCASG’12), Aarupadai Veedu Institute of Technology, May 2012. ISBN: 978-93-81208-09-0
- M.Chitra, **D.Vijendra Babu**, “A Novel Approach for Iris Recognition System”, National Conference on Expanding Horizon in Computer, Information Technology, and Telecommunication & Electronics (EXCITE 2012), IETE Chennai Centre, April 2012.
- S.Suganthi, **D.Vijendra Babu**, “Registration of Medical Images Based on Fusion”, National Conference on Expanding Horizon in Computer, Information Technology, and Telecommunication & Electronics (EXCITE 2012), IETE Chennai Centre, April 2012.
- S.Vairajothi,**D.Vijendra Babu** ,“Detection and Deletion of Black Hole Nodes in Mobile Ad Hoc Networks using Secure AODV Routing Protocol”, National Conference on Expanding Horizon in Computer, Information

Technology, and Telecommunication & Electronics (EXCITE 2012), IETE Chennai Centre, April 2012.

- M.C.Sathiya, **D.Vijendra Babu**, “Design of an error correction & recovery architecture for Video applications”, National Conference on Expanding Horizon in Computer, Information Technology and Telecommunication & Electronics (EXCITE 2012), IETE Chennai Centre, April 2012.
- M.Sowmiya Manoj, **D.Vijendra Babu**, “Biometric Authentication of Palm print Identification”, National Conference on Expanding Horizon in Computer, Information Technology & Telecommunication & Electronics (EXCITE 2012), IETE Chennai Centre, April 2012.
- **D.Vijendra Babu**, Dr.N.R.Alamelu, R.Renukadevi, “An Efficient Architecture for 3D Lifting based Discrete Wavelet Transform”, National Conference on Signal Processing, Communications & VLSI Design (NCSCV), Anna University, Coimbatore, Tamil Nadu, May 2010. pp 164-167
- **D.Vijendra Babu**, Dr.N.R.Alamelu, P.Murugesan, “Modified 3D-DCT for Lossless Video Compression”, National Conference on Signal Processing, Communications & VLSI Design (NCSCV), Anna University, Coimbatore, Tamil Nadu, May 2010. pp 164-167
- P.Subramanian, **D.Vijendra Babu**, R.Karthikeyan, Dr.N.R.Alamelu, “MPEG Based Region of Interest Video Coding for Medical Applications”, National Workshop on Intelligent Data Analytics & Image Processing (IDAIP), Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu, January, 2010. pp. 28-33
- P.Subramanian, **D.Vijendra Babu**, “Recent Advances In Side Information Generation & Improvement Methods in Distributed Video Coding for Efficient Video Compression”, National Conference on Advanced Intelligent System (ICCCN), Dr.Sivanthi Aditanar College of Engineering, Tiruchendur, Tamil Nadu, December 2009. pp. 164-167

- R.Vijaya Arjunan, **D.Vijendra Babu**, “Securing of Wireless Internet using KSSL Architecture”, National Conference on Nascent Technology in Engineering Fields (NCNTE), FR. C. Rordigues Institute of Technology, Mumbai, February 2008.
- **D.Vijendra Babu**, P.Subramanian, C.Karthikeyan, “Energy Efficient Video Compression For Mobile Multimedia & Data Services”, National Conference on Information and Communication Technology-07(NCICT), NMIMS University & SVKM’S D.J.Sanghvi College of Engineering, Mumbai, March, 2007.
- **D.Vijendra Babu**, A.Nagappan, Dr.N.Malmurugan, “Performance Analysis of Turbo Codes in IEEE 802.11a PHY Layer”, National Conference on Trends in Industrial & Commercial Applications of Electronics(TICAE), Sathayabama Institute of Science & Technology University, Chennai, March 2006. pp. 17-22