



K. T. Talele

Associate Professor, Electronics Engineering Department,
Sardar Patel Institute of Technology, Andheri West Mumbai

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- **Date of joining the present institute: 01-08-1997**
- **Date of joining the present department: 01-08-1997**

▪ **Scholastic record:**

S.No	Degree	Institute	Year of passing	Class/CGPI/percentage
1	M. E. ELECTRONICS	Walchand College of Engineering Sangli	1995	First Class with Distinction

• **Teaching/Industry experience in totality :**

Sr No	NAME OF THE COLLEGE	PERIOD
1.	D.Y.Patil College of Engg. Kolhapur. Post : Lecturer in Electronics	01-08-1989 to 31-01-1991
2.	V.E.S Institute of Technology, Chembur,Mumbai-71 Post : Lecturer in Electronics	01-07-1991 To 31-07-1993
3	Walchand College of Engg.Sangli. Post : M.E. Student	August 1993 To Dec. 1995

4.	Walchand College of Engg.Sangli. Post : Lecturer in Computer Engg.	11-01-1995 To 30-04-1995
5.	M.G.M. College of Engg. Kamothe , New-Mumbai Post : Lecturer in Electronics Post : Assist. Professor (Electronics)	04-07-1995 To 01-04-1996 02-04-1996 To 31-07-1997
6.	S.P.College of Engg, Andheri, Mumbai- 58 Post : Assistant Professor (Electronics)	01-08-1997 To 31-07-2008
7	S.P.Institute of Technology, Andheri, Mumbai- 58 Post : Assistant Professor (Electronics) Post : Associate Professor (Electronics)	01-08-2008 To till date

▪ **Achievements:**

1. Applied for DST grant in 2010 to develop **Innovation and Entrepreneurship Development Centre**. Got the sanction of INR 45,00,000/-- in 2010.
2. Applied for DST grant in 2015 to establish **Technology Business Incubator**. Got the sanction of INR 4,17,00,000/-- in 2016.
3. Applied for DST NIDHI Grant in 2018 for **Seed support to startup**. Got sanction of INR 10,50,00,000/-- in 2019.
4. Guided students of SP-IT College to file patents. Total no of students patents published are 80+.
5. Involved in established of Product Development Centre with the support from SP-IT Alumni Network.

▪ **Awards:**

Received incentives in year 2008-09 for excellent performance in academics and research from Management of SPIT .

- **Domain expertise and areas of interest:** DSP and Image Processing, Machine Learning

- **Details of subjects taught:**

Sr. No.	Name of subject
1.	Digital Signal Processing
2.	Digital Image Processing
3.	Robotics Vision
4.	Digital Communication
5.	Signals and Systems

Recognition :

- Recognized as PG Teacher of Mumbai University in Electronics Engineering with effect from May 10,2004.
- Recognized as PG teacher of Mumbai University in Computer Engineering with effect from April 13, 2009.
- National Entrepreneurship Network certified Mentor for New Venture Development.
- Recognized as PG Teacher of Mumbai University in Electronics & Telecommunication Engineering with effect from May 10,2012.

- **Workshops/Refresher courses/Training programs/Seminars attended:**

1. PFMS Training Program on EAT (Expenditure-Advance-Transfer) module organized by ISBA and being held at SINE, IIT-B during July 19-20, 2018.

- **Workshops/Refresher courses/Training programs/Seminars conducted as a resource person:**

1. Workshop on “Incubation, Startups, IPR and Entrepreneurshi Development” during Nov 26-27, 2018 at Vagdevi COE, Warangal Telangana
2. Workshop on “Patent Drafting Abhishek Pandurangi and K.T.Talele“ on 7-4-2019 and 13-04-2019 at SP-IT

- **Membership of professional bodies:**

Member of IEEE since 2006

Lifetime Member of ISTE

- **Publications:**

Sr No	Year of Publication	Patents Published	International Refereed Journal	International Refereed Conference	National Journal	National Conference	Total Year wise
	July 2005 to Till date	15	8	43	--	17	73

- **Contribution to Corporate life and management of the Department and Institution:**

Past Positions :

- Incharge of Unaided Wing of Sardar Patel College of Engineering from June 1997 to May 2001
- Incharge Head of Electronics Engineering Department
 - From June 2001 to May 2004 ,
 - From May 2008-June 2009,
 - From April 2011 to September 2011.
- Incharge Head of IT Department from July 2004 –June 2007
- Elected Member of Local Managing Committee in Sardar Patel College of Engineering during 2005-2008.
- Information Officer under RTI act during 2009-2011.
- Exe-com Committee Member of IEEE Bombay Section in 2009 and 2012
- Appointed as Incharge Head of MCA with effect from 20th July 2009 till date.
- Coordinator for E-cell and IEDC from April 2009 till date

Current Appointments :

- Head, Academic Relations & CFO, Sardar Patel Technology Business Incubator
- Incharge, Innovation & Entrepreneurship Development Centre and IPR Cell
- EXECOM Member of IEEE Bombay Section and Chair Student Activities Committee.
- Convenor, SPIT-MHRD Innovation Council

Mentor to MHRD-Institute Innovation Council(IIC) for the following Institutes:

- Shah & Anchor Kutchhi Engineering College Mumbai [Since July 2018]
- VES Institute of Technology Chembur Mumbai [Since July 2018]
- Kalyani Charitable Trust Late G.N Sakpal COE, Anjaneri [Since July 2018]
- SIES Graduate School of Technology, Nerul [Since July 2018]
- Vidya Prsarak Mandals Polytechnic, Thane [Since July 2018]
- Sardar Patel College of Engineering, Andheri [Since July 2018]

[A] Research Paper Publications :

➤ Publication by K. T. Talele [July-2005 to June-2006]

- International Conference Publications [Total : 1]

[1] S.T.Gandhe, **K.T.Talele** and A.G.Keskar, “Face Recognition Using Isodensity Maps: A Neural Network Approach”, International Conference on Emerging Applications in Information Technology (EAIT-2006) Organized by Computer Society on India (CSI) Calcutta chapter,10,11 Feb 2006.

- National Conference Publications [Total : 12]

[2] **K.T.Talele**, “Morphological Image Processing Software Toolkit For Undergraduate IT Courses”, National Conference on “Recent Trends in Information Technology based Education and Training“(RTITET-2005)Proceeding page no : [241 to 252] Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, 19, 20 OCT 2005.

[3] D.N.Shah and **K.T Talele**, “Designing Information Security Laboratories For Undergraduate Engineering Courses”, National Conference on “Recent Trends in Information Technology based Education and Training“(RTITET-2005) Proceeding page no : [37 to 42] Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, 19, 20 OCT 2005.

[4] S. T. Gandhe, S.S.Pukale, T.E.Gosavi and **K. T. Talele**, “A Novel Approach To Design Intelligent Path Finder”, National Conference on Control instrumentation system (CISCON-2005) Proceeding page no : 57 to 60,Manipal Institute of technology, Manipal, Karnataka, (won best paper award) 11, 12, Nov 2005

[5] S. T. Gandhe, S.S.Pukale, B.M. Bhadracha and **K. T. Talele**, “Low Cost Design Of Automatic Robot : 'Microcart' National conference on Innovations 2005, Baba Banda Singh Bahadur Engineering College, Fateharh Sahib, Punjab, 25,26 Nov 2005.

[6] S.T.Gandhe and **K.T..Talele**, Face Recognition Using Soft Computing ToolsNationalConferenceon Artificial Neural Networks Applications in Engineering and Technology (ANNET-2005) ,Proceeding page no : [45to49], SreenidhiInstitute of Science And Technology,Hyderabad AP26 Nov 2005.

[7] **K. T. Talele**, “Image Compression using Hybrid AMBTC+VQ Technique “ National Conference on Signal Processing and Communication (SPCOM-2005) Proceeding page No : 01 to 05, Sreenidhi Institute of Science And Technology,Hyderabad, 5-6 Dec 2005

- [8] S.S.Rathod,SaurabhKulkarni, SachinChhothani and **K. T. Talele**, “VLSI Implementation of Viterbi Decoder”, National Conference under TEQIP at Government College of Engineering, Aurangabad, 23, 24 Jan 2006
- [9] Haresh Jola, Rajesh Rathod and **K.T.Talele**“PC Based Multimedia Messaging Service Transcoding”, National Conference on Wireless Information and Networking in global System WINGS-2006 at KLN COE, Pottapalayam, Tamilnadu, 9, 10 March 2006
- [10] **K. T. Talele**, S. T. Gandhe, Rinki Gupta, VrichaChavan andKirtiRajadnya, “Bio-Medical Image Enhancement” National Conference on Biomedical Engineering (NCBME-2006) At Sardar Patel College of Engineering, Andheri(w), 28,29 March 2006.
- [11] AnnuBinny and **K. T. Talele**, “ Secure Transfer of Biomedical Images and Patients Information over Public Data Network” National Conference on Biomedical Engineering (NCBME-2006) At Sardar Patel College of Engineering, Andheri(w), 28,29 March 2006.
- [12] N.A. Bhagat, **K. T. Talele**and S.T Gandhe, “Human Visual System Based Medical Image Compression Using Set Partitioning In Hierarchical Trees (SPIHT)” National Conference on Biomedical Engineering (NCBME-2006) At Sardar Patel College of Engineering, Andheri(w), 28,29 March 2006.
- [13] Amol Madane, **K. T. Talele**, S.T.Gandhe, “Telemedicine System Based On Public Network “ National Conference on Biomedical Engineering (NCBME-2006) At Sardar Patel College of Engineering, Andheri(w), 28,29 March 2006

➤ Publication by K. T. Talele [July-2006 to June-2007]

- International Conference Publications [Total : 1]

[14] **K.T.Talele**, S.T.Gandhe and M.M.Shah “Fault Detection In PCB Using Homotopic MorphologicalOperator”,IEEE International Conference INDICON-2006 Delhi, 15, 16 and 17 Sept 2006.

- National Conference Publications [Total : 5]

[15] AnnuBinny and **K.T.Talele**, “An overview of JPEG 2000”,National Conference on - "Electro Info Com 2007' at the ST Francis Institute of Technology, Mumbai, 4, 5 and 6 January 2007.

- [16] B. L. Mali, **K.T.Talele**, Gitesh Mahajan and Shraddha Kharate, "Web Based Education: Pros And Cons". National Conference on Information and Communication Technology (NCICT-2006) At D.J.Sanghavi College of Engineering, Vile-Parle.
- [17] Jimit Shah, S. T. Gandhe and **K.T.Talele**, "Wireless Software Device : A Modern Approach To Radio Engineering", National Conference on Information and Communication Technology (NCICT-2006) At D.J.Sanghavi College of Engineering, Vile-Parle.
- [18] Mohit Daptardar, Rohit Gharat, Jayesh Parab, Tejas Makwana and **K. T. Talele**, "PID CONTROLLER USING DSP TMS320VC5416 PROCFESSOR" National Conference on Information and Communication Technology (NCICT-2006) At D.J.Sanghavi College of Engineering, Vile-Parle.
- [19] S. G. Manwatkar, K. S. Naidu, S.S.Shetty, H.A.Pagare, **K.T.Talele** and S.T.Gandhe, "Review of Image Segmentation Techniques" National Conference on Information and Communication Technology (NCICT-2006) At D. J. Sanghavi College of Engineering, Vile-Parle.
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➤ Publication by K. T. Talele [July 2007 to June 2008]

- International Journal Publications [Total : 2]

[20] S.T.Gandhe, **K.T.Talele** and A.G.Keskar, "Intelligent Face Recognition Techniques: A Comparative Study" Graphics Vision & Image Processing International Journal (GVIP), Vol.2, pp.53-60. July 2007.

[21] S.T.Gandhe, **K.T.Talele** and A.G.Keskar, "Face Recognition Using Contour Matching" IAENG International Journal of Computer Science, vol.35, Issue 2, pp nos.226-233 July 2008.

- International Conference Publications [Total : 9]

[22] S.T.Gandhe, **K.T.Talele**, and A.G.Keskar "Image Recognition with Discrete Wavelet Transform", 11th KES International Conference at VetriSul Mare, Italy, 12,13,14th Sept.2007.

[23] S.T.Gandhe, **K.T.Talele**, and A.G.Keskar "Image Mining using Wavelet Transform", Lecture Notes in Computer Science, Springer Link 12th September 2012..

[24] S.T. Gandhe, **K.T.Talele**, and A.G.Keskar "Face Recognition using DWT + PCA" IEEE International Conference INDICON-2007 Bangalore, 06,07, and 08 Sept 2007..

- [25] SrinathIyer, Siddharth Gupta, AmolMadane and **K.T.Talele**, “CDMA MODEM Using Direct Sequence Spread Spectrum”, IEEE –ACVIT-07 International Conference on Advances in Computer Vision and Information Technology, BAMU Aurangabad, 28,29 and 30 Nov 2007.
- [26] Suchit Shah,Manthan Shah,Amol Madane and **K.T.Talele**, “AudioWatermarking”,IEEE – ACVIT-07 International Conference on Advances in Computer Vision and Information Technology, BAMU Aurangabad, 28,29 and 30 Nov 2007.
- [27] Harsh Shah, Chinmay Sane, SwapnilSheth, **K.T.Talele**, “Burrow Wheeler's Transform For Efficient RLE Compression Applied to Audio Files”, SPIT – IEEE R-10 Colloquium & International Conference, Mumbai, 4, 5 Feb 2008.
- [28] Amrapali Sawant, Amita Shinde and **K. T. Talele**,“Fracture Detection Using Euler Numbers”, SPIT – IEEE R-10 Colloquium & International Conference, Mumbai, 4, 5 Feb 2008.
- [29] Kirti Rajadnya and **K. T. Talele**“Image Enhancement Techniques Pixel Operation In Spatial Domain”, SPIT – IEEE R-10 Colloquium & International Conference, Mumbai,4, 5 Feb 2008.
- [30] Amol Madane. **K. T. Talele** and M.. M. Shah, “Watermark Logo in Digital Image Using DWT”, SPIT – IEEE R-10 Colloquium & International Conference, Mumbai,4, 5 Feb 2008.

➤ Publication by K. T. Talele [July-2008 to June-2009]

- International Journal Publications [Total : 1]

[31] S.T.Gandhe, **K.T.Talele** and A.G.Keskar,”Face Recognition Using Principal Component Analysis “, International Journal of Systemic, Cybernetics and Informatics, Pentagram, June 2008.

- International Conference Publications [Total : 2]

[32] Ujwala Potdar, **K. T. Talele**, and S. T. Gandhe, “ Comparison of MPEG Video Encryption Algorithms”, ACM Special Interest Group on Artificial Intelligence, ACM Digital Library, June 2008.

[33] N.A.Bhagat, S.T.Gandhe and **K.T.Talele**, “*Modified Set Partitioning in Hierarchical Tree*”, By 4th International Conference on Soft Computing and Intelligent Systems and 9th International Symposium on Advanced Intelligent Systems (SCIS & ISIS 2008), Nagoya University, Nagoya, Japan; 18,19,20th Sept.2008

➤ Publication by K. T. Talele [July-2009 to June-2010]

- International Journal Publications [Total : 1]

[34] **K.T. Talele**, S. T. Gandhe and Dr.A.G. Keskar, “Steganography Security for Copyright Protections of Digital Images Using DWT,” International Journal of Computer and Network Security, Page – 21 Vol 2 No. 4, Apr. 2010

- International Conference Publications [Total : 4]

[35] **K T Talele** and Sunil Kadam “Face Detection and Geometric Face Normalization,” International Conference on Emerging Technologies for Sustainable Development TENCON, 23,24,25 Nov 2009.

[36] Ujwala Potdar, **K. T. Talele**, and S. T. Gandhe, “Dual Watermarking in Video using Discrete Wavelet Transform”, 2nd International Conference on Machine Vision, Dubai, 28-30th Dec 2009.

[37] Ujwala Potdar, K. T. Talele, and S. T. Gandhe, “Perceptual Video Encryption for Multimedia Applications,” 2nd International Conference on Computer Engineering and Applications –Volume 01, March 2010.

[38] Michelle Araujo, **K. T. Talele** and Dr. S. T. Gandhe, “Face Expression and Detection” 3rd International Conference on Machine Vision (ICMV-2010)

➤ Publication by K. T. Talele [July-2010 to June-2011] Total : 6

- International Journal Publications [Total : 1]

[39] Anish S. Sanghvi, Nishant B. Mishra, Rajkumar Waghmode and **K.T. Talele** “Performance of Reed-Solomon Codes in AWGN Channel,” International Journal of Electronics and Communication Engineering (IJECE) Volume 4, Number 3, 2011.

- International Conference Publications [Total : 5]

[40] Mark Nathan, Nikhil Parab and **K.T. Talele**, “Audio Steganography Using Differential Phase Encoding,” International Conference on Technology Systems and Management (SpringerLink), Feb 25-27, 2011.

- [41] Mark Nathan, Nikhil Parab and **K.T. Talele**, “Audio Steganography Using Spectrum Manipulation,” International Conference on Technology Systems and Management (SpringerLink), Feb 25-27, 2011.
- [42] Anita P and **K.T. Talele**, “ECG feature Extraction using Wavelet Based Derivative Approach,” International Conference on Technology Systems and Management (SpringerLink), Feb 25-27, 2011.
- [43] Balaji M., Iyengar Santosh A., **K. T. Talele**, “Novel Steganography Technique For Dual Independent Data Hiding In An Avi File”, 3rd International Conference on Signal Acquisition and Processing, ICSAP-2011 Feb 26- Feb 28, 2011.
- [44] Anita Purushottam, Prachi Dhannawat and **K. T. Talele**, “ Broad Band Power Line Communication”, ICWET 11 Proceedings of the International Conference & Workshop on Emerging Trends in Technology, 2011 Page : 1365
-

➤ Publication by K. T. Talele [July-2011 to June-2012]

- International Journal Publications [Total : 1]

[45] Karna Shah, Nishit Shah, Siddhesh Supekar and **K.T. Talele**, “DTMF Generation and Detection”, International Journal of Information Sciences and Application (IJISA) Volume 3, Number 2 (2011) Page 79-85

- International Conference Publications [Total : 3]

[46] **K. T. Talele**, S. T. Gandhe, and A. G. Keskar, “Performance Enhancement of Face Recognition Algorithm Using DWT+PCA ,” at International Conference on Signal, Image and Video Processing IIT Patna January 2012.

[47] **K.T. Talele** and S T Gandhe. “Speech Compression using ADPCM” IJCA Proceedings on International Conference in Computational Intelligence (ICCIA2012) March 2012. Published by Foundation of Computer Science, New York, USA.

[48] **K.T. Talele**, Sunil Kadam and Atul Tikare, “Efficient Face Detection using Adaboost” *IJCA Proceedings on International Conference in Computational Intelligence (ICCIA2012)* iccia(10):-, March 2012. Published by Foundation of Computer Science, New York, USA.

➤ Publication by K. T. Talele [July-2012 to June-2013]

- International Journal Publications [Total : 1]

[49] Shiburaj Pappu, **K. T. Talele** and Junaid Mandviwala, "Application of Parallel Genetic algorithm for Exam Timetabling Problem" At International Journal of Scientific & Engineering Research Volume 3, Issue 9 September 2012.

➤ Publication by K. T. Talele [July-2013 to June-2014]

- International Conference Publications [Total : 4]

[50] Neha Prakash Athavale and **K. T. Talele**, "Comparison of various Image Registration Techniques with the Proposed Hybrid System" at International Conference on Advances in Recent Technologies in Electrical and Electronics – ARTEE Sep 20-21, 2013; Bangalore, India.

[51] Arunkumar Mishra and **K. T. Talele**, "Highway Traffic Surveillance by Unsupervised Learning" at International Conference on Electrical, Electronics, Computer Science and Mathematics Physical Education and Management (ICEECMPE) – November 2013, New Delhi, India.

[52] Vrushali Purandare and **K. T. Talele**, "Efficient Heterogeneous Face Recognition using Scale Invariant Feature Transform", at International Conference Advances in Recent Technologies in Electrical and Electronics – ARTEE 2013 organized by the ACEEE and sponsored by the ISTE, Sep 19-20, 2013; Bangalore, India.

[53] Shiburaj Pappu, **K T Talele** and K. V. Mehul, "Modified Enhanced Steady State Genetic Algorithm for Scheduling and Optimization Problem, IEEE International Conference INDICON held at Victor Menezes Convention Centre, Indian Institute of Technology (IIT) Bombay, Mumbai, India from 13-15 December, 2013.

➤ Publication by K. T. Talele [July-2014 to June-2015]

- International Conference Publications [Total : 4]

[54] Ashish Sahi and **K. T. Talele**, "Person Tracking using Mean Shift with Gray Level Grouping" at IEEE Sponsored International Conference on Communication, Information & Computing Technology (ICCICT-2015), organized by Sardar Patel Institute of Technology, Andheri(w), January 16-17, 2015.

[55] Sandesh Patil and **K. T. Talele**, “Suspicious Movement Detection and Tracking based on Colour Histogram” at IEEE Sponsored International Conference on Communication, Information & Computing Technology (ICCICT-2015), organized by Sardar Patel Institute of Technology, Andheri(w), January 16-17, 2015.

[56] Kevin D'souza and **K. T. Talele**, “Voice Conversion using Gaussian Mixture Models” at IEEE Sponsored International Conference on Communication, InforMATION& Computing Technology (ICCICT-2015), organized by Sardar Patel Institute of Technology, Andheri(w), January 16-17, 2015.

[57] Ayesha Hakim and **K. T. Talele**, “Comparison of various Image Registration Techniques with the Proposed Hybrid System” at IEEE Sponsored forth International Conference on Computation of Power, Energy, Information and Communication-2015, organized by Adhiparasakthi Engineering College, Melmaruvathur, Tamil Nadu, April 20-21, 2015.

➤ Publication by K. T. Talele [July-2015 to June-2016]

• International Conference Publications [Total : 3]

[58] Aayesha Hakim, **K.T.V. Talele**, Rajesh Harsh & Dharmesh Verma, “Determination of Patient Setup Error in Radiotherapy using Feature-Based Multimodal Rigid Image Registration”, at IEEE Bombay Section Signature Symposium (IBSS 2015) September 10-11, 2015.

[59] **Kiran Talele** and Kushal Tuckley, “Facial Expression Classification using Support Vector Machine Based on Bidirectional Local Binary Pattern Histogram Feature Descriptor”, at 17th IEEE/ACIS International Conference on Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD 2016), May 30 - June 1, 2016, Shanghai, China

[60] Tanmay Patel, K. Aurobindo and **K.T.talele**, “Two Channel Reconfigurable Digital Receiver for Cloud Radar Applications”, IEEE International Conference on Recent Trends in Electronics Communication Technology, Bangalore May 20-21, 2016.

➤ Publication by K. T. Talele [July-2016 to June-2017]

• International Conference Publications [Total : 4]

[61] Swati Darange, **K.T.V. Talele** & Soumyabrata Ghosh, “Edge Preserving and Smoothing and Enhancement For Electronic Portal Images”, 2nd International Conference on Computing, Communication, Control & Automation organized by Pimpri Chinchwad College Of Engineering & IEEE Pune Section on 12th & 13th August 2016.

- [62] **Kiran Talele** & Dr.Kushal Tuckley, “Human Action Unit Detection of Patient using Geometric Feature Analysis”, IEEE TENCON 2016- Technologies for Smart Nation, 22nd-25th Nov, 2016,Marina Bay Sands,Singapore.
- [63] Neha Shirbhate & **Kiran Talele**,”Human Body Language Understanding for Action Detection using Geometric Features” , 2nd International Conference on Contemporary Computing and Informatics, 14th to 17th Dec 2016.
- [64] **KiranTalele**, Archana Shirsat, Tejal Uplenchwar & Kushal Tuckley, “Facial Expression Recognition Using General Regression Neural Network”, IEEE Bombay Section Symposium at VPKBIET, Dec 22nd& 23rd , 2016.

➤ Publication by K. T. Talele [July-2017 to June-2018]

- International Conference Publications [Total : 1]

- [65] Jyoti Singh, Divya Sawant, Sean Pereira, Crispin Lobo and Kiran Talele, “C-Indicator : A Mobile App for Crowd Control and Management in Suburban Railways”, at ICAST-2018 Organized by K.J.Somaiya Institute of Engineering and Information Technology Sion Mumbai during April 6-7, 2018.

➤ Publication by K. T. Talele [July-2018 to June-2019]

- International Conference Publications [Total : 2]

- [66] Sai Yerremreddy, **K. T. V. Talele** and Yash Kokate, “Genetic Algorithm for Optimal Feature Vector Selection in Facial Recognition” at Asia pacific IEEE 5th International conference for Convergence in technology 2019,Pune during March 29-31, 2019.
- [67] Aditya Nair, Shoaib Mansoori, Rajeev Moghe, Payal Shah and **Kiran Talele**, “Driver Assistant System using Haar Cascade and Convolution Neural Networks (CNN)” 3rd International Conference on Trends in Electronics and Informatics (ICOEI 2019), SCAD College of Engineering and Technology, 23-25 April 2019.

➤ Publication by K. T. Talele [July-2019 to June-2020]

- International Conference Publications [Total :1]

- [68] **Kiran Talele** & Dr.Kushal Tuckley, “Human Action Unit Detection of Patient using Geometric Feature Analysis”, IEEE TENCON 2016- Technologies for Smart Nation, 22nd 25th Nov, 2016,Marina Bay Sands, Singapore.
<https://ieeexplore.ieee.org/document/7848408>
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[B] Patents Publication Details by K. T. Talele

Total No of Patents Published : 15

Patents Published in the year 2013-14 No of Patents Published = 2

[1] Patent Name : PORTABLE, VEHICLE INDEPENDENT AND INTEGRATED DRIVER
ALERT, SECURITY, GPS NAVIGATION & ENTERTAINMENT SYSTEM

Inventor : Aditya Anand Naravane, Anasree Chatterjee, **K.T.Talele**, Ruchir Kanakia, Shivani
Prashant Nadkarni

Application No.1824/MUM/2012 A INDIA

Date of filing of Application :25/06/2012

Publication Date : **27/12/2013**

[2] Patent Title : SUSTAINABLE PICOHYDRO POWER GENERATION SYSTEM

Inventor : Dr. Sanjay Trymbak Gandhe and **Kiran Tulshiram Talele**

Application No.2140/MUM/2013 A INDIA

Date of filing of Application :24/06/2013

Publication Date : **12/07/2013**

Patents Published in the year 2014-15 No of Patents Published = 2

[3] Patent Title : SYSTEM FOR PROVIDING INSTANT ASSISTANCE DURING URGENT
SITUATIONS

Inventor : Ramaswamy Aparna , GHURYE, Ankita , Kamat, Jagruti , GHARPURE, Prachi
and **Talele Kiran**

Application No.1404/MUM/2013 A INDIA

Date of filing of Application :15/04/2013

Publication Date : **17/04/2015**

[4] Patent Title : BIOMETRIC PATTERN RECOGNITION SYSTEM

Inventor : Kanchar Akshay, Panchal Dhruv , Saxena Richa and **Talele Kiran**

Application No.1406/MUM/2013 A INDIA

Date of filing of Application :15/04/2013

Publication Date : **17/04/2015**

Patents Published in the year 2015-16 No of Patents Published = 3

[5] Patent Title : DETECTION OF BLOOD ALCOHOL LEVEL BY BREATH ANALYSIS USING SEMICONDUCTOR SENSOR

Inventor : Mane Dhanashree , Shaikh Banafsha Nikhat , Avanish Balaji and **Talele Kiran**

Application No.1405/MUM/2013 A INDIA

Date of filing of Application :15/04/2013

Publication Date : **10/07/2015**

[6] Patent Title : SYSTEM AND METHODS FOR GSM BASED SOIL MONITORING

Inventor : Patil Tushar , Gedam Mrunal, Gharat Adwait and **Talele Kiran**

Application No.1409/MUM/2013 A INDIA

Date of filing of Application :15/04/2013

Publication Date : **10/07/2015**

[7] Patent Title : A SYSTEM AND METHOD FOR HUMAN FACE IDENTIFICATION

Inventor : **Talele Kiran**, Bairathi Neha, Daga Rahul , Darji Jignesh, Panda, Rekha

Application No.1408/MUM/2013 A INDIA

Date of filing of Application :15/04/2013

Publication Date : **10/07/2015.**

Patents Published in the year 2016-17 No of Patents Published = 3

[8] Patent Title : COMBINATION OF CELLULAR PHONE HAVING ELECTRO SHOCKING DEVICE
AND REMOTE ALERT SYSTEM

Inventor : Jadhav Ninad, Jain, Manish, Ostwal Prajakta, Talele Kiran

Application No.: 817/MUM/2015

Date of filing of Application : 13/03/2015

Publication Date : 16/09/2016

[9] Patent Title : SYSTEM AND METHOD TO ENABLE VISUALLY CHALLENGED TO DIRECT SIGNALS

Inventor : Aaron Ajgaonkar, Priyanka Cishwasrao, Supriya Jaiswal, Anurag Tulsiram, Harshit Gandhi, Sahil Kabdule, Kartik Chakole, K.T.Talele, Nikhita Mangaonkar

Application No. 4482/MUM/2015

Date of filing of Application : 30/11/2015

Publication Date : 02/06/2017

[10] Patent Title : A METHOD FOR COUNTING PEOPLE IN REAL-TIME PASSING THROUGH AN AREA

Inventor : Talele Kiran, Patil Sandesh, Tuckley Kushal, Gharpure Prachi

Application No.: 4730/MUM/2015

Date of filing of Application : 17/12/2015

Publication Date : 23/06/2017

Patents Published in the year 2017-18 No of Patents Published = Nil

Patents Published in the year 2018-19 No of Patents Published = 4

[11] Patent Title : SYSTEMS AND METHODS FOR DECOMPOSITION OF BIOMASS

**Inventor : Sutar Rajendra, Modi Arpan, Gahdi Apurv, Ghosh Arijit,
Talele Kiran**

Application No.: 201921015246

Date of filing of Application : 10/05/2019

Publication Date : 10/05/2019

[12] Patent Title : VIRTUAL FITNESS SYSTEM

Inventor : Dichwalkar Vaibhavi, Patil Pranali, Santosh Saniya, Talele Kiran, Shah Payal

Application No.: 201921023082

Date of filing of Application : 11/06/2019

Publication Date : 21/06/2019

[13] Patent Title : SYSTEMS AND METHODS TO FACILITATE COLLECTION &
FORWARDING

DONATED COMMODITY TO AUTHORIZED CENTRAL

Inventor : Rajput Ravi, Rajput Anshul, Pandey Sumit, Raudale Pooja, Talele Kiran

Application No.: 201921023085

Date of filing of Application : 11/06/2019

Publication Date : 21/06/2019

[14] Patent Title : SYSTEMS AND METHODS TO TRAIN AND TEST USING
AUGMENTED

REALITY

Inventor : Babu Alwin Eldhose, Gaikwad Abhishek , Desai Saish, Shah Payal, Talele Kiran

Application No.: 201921023090

Date of filing of Application : 11/06/2019

Publication Date : 11/07/2019

Patents Published in the year 2019-20 No of Patents Published = 1

[15] Patent Title : SYSTEM AND METHODS FOR INFORMATION
DISPLAY,EVALUATION OF

EVENTS AND PERFORMING ACTIONS RELATED TO EVENTS

Inventor : Sonawane Amit, Shastri Akshata, Raut Viraj, **Talele Kiran**

Application No.: 201821006156

Date of filing of Application : 19/02/2018

Publication Date : 23/08/2019
