

Dr. Lenina SVB, Ph.D., is an Assistant professor, Department of Electronics



and Telecommunication Engineering, Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, Maharashtra, India. She has been in the profession of teaching at university level for more than a decade. Earlier, she has also worked at various institutes in India. Besides, she has also received a number of recognitions in her academic career including the, **Woman Scientist-C (WOS-C) TIFAC Fellowship from the Department of Science and Technology India**. Dr. Lenina has a life membership of several professional bodies, including Indian Society for Technical Education (ISTE), Institution of Engineering and Technology (IET) and Institute of Electrical and Electronics Engineers (**IEEE: IEEE Membership Number: 94310317**). She is a **registered Indian Patent Agent (INPA 2625)**. She has authored many **Journals, Conference Papers, Books and Book Chapters**. **She has a Patent, Trademark and a Startup registered and recognized**. She is a yoga practitioner too. Her research and teaching interests include Image Processing, Biometrics, Filter Design, Higher Order Spectral Analysis and Signal Processing, Intellectual Property Rights.

She has participated in IEEE WIE International Summit Pune **2016, winner of active delegate for promoting the event on social media**. She is a regular promoter of literature on iee digital explorer, and motivated hundreds of students to use the iee digital library. Being a patent agent she conducts most of the literature survey on iee digital library for patentability search. She is also Start Up coordinator of the institute under TEQIP III, and also director to a student faculty startup. Her main objective is to transform humanity through technology. She is a startup promoter and firm believer of “No man is a Duffer” and “Potential needs just fanning and proper channelization”.

**Research Publications: 35**

- a. 12 (International / National Journals: 06) (UGC- Recognized: 05)
- b. 14 (International / National conferences)
- c. 02 (Book)
- d. 01(Book Chapter)
- e. 02 (Patents Filed : READING ENHANCER DEVICE (RED), 20<sup>th</sup> November 2018, YOG AND UNIVERSAL COSTUME (YUC), 28<sup>th</sup> April 2019 Patent Application Number: **201921016851**, 201821043720) 01 (Registered Trade Mark: TM application no: 3931950)
- f. Registered company: CIN- U74999MH2018PTC308018 Registered GSTIN is 27AAGCD6463P1ZZ (Start up Recognition Number DIPP24849.)

Oral Presentation (01)

Working Model Presentation (01)  
Communicated (02)  
Accepted (01)

**Journals:**

- [1] Pathan Hajera Sharmin AyyubKhan, Shaikh Safoora Sadaf Shaikh Gayasoddin and **Dr Lenina SVB** ,“Automatic Gadget Control System Using Arduino And PIR Sensor” International Journal of Management, Technology And Engineering, IJMTE, Volume 8, Issue XI, November/2018 (ISSN NO : 2249-7455).
- [2] Hemant P. Meshram, **Dr Lenina SVB** and Mr Tushar Jadhav, “Lithium-Ion Battery Control System for Hybrid-Electric vehicle”, International Journal of Electrical, Electronics and Data Communication, ISSN (p): 2320-2084, ISSN(e): 2321-2950, PP. 56-60, Volume-6, Issue-8, Aug, 2018.
- [3] **Dr. Lenina SVB**, "Outcome Based Education and Blooms Taxonomy for Future Work Originations," Ebesco Journal, Accepted.
- [4] Shoheb Baig, Onkar Devale, Harshal Sarowar, Kunjan Mhaske, Hemant Wankhede, and **Dr. Lenina SVB**, "[eatlex.com](http://eatlex.com) : Online Food Delivery Service", International Journal of Innovations & Advancement in Computer Science IJIACS ISSN 2347 – 8616 Volume 6, Issue 11 November 2017, pp. 50-67, 2017.
- [5] Anagha B. Kulkarni, Pranjali S. Jaisingpure, Dr. Lenina SVB, “Automated Object Sorting Based On Colour Detection,” International Journal of Electronics, Electrical and Computational System IJEECS ISSN 2348-117X Volume 6, Issue 10, pp. 148-158, October 2017.
- [6] Vedanti V. Deshmukh, **Dr Lenina SVB**, Mr Mohan Kulkarni, Mr Shailesh Kulkarni, “PACS: An overview of Technology and Related Issues” IJETSR, Volume 5, Issue 5, May 2018, ISSN 2394-3386 May 4-5 2018, ISBN: 978-93-87433-23-5
- [7] Ankita A. Sawant, **Dr. Lenina SVB**, Mr. Dhananjay Joshi, “CAN, FlexRay, MOST versus Ethernet for vehicular network” IJIACS, Volume 6, Issue 4, ISSN 2347-8616, April 2018.
- [8] **Dr. Lenina Birgale**, Megha Panchariya, Shivani Pohekar and Saurabh Bandewa, “Patient Monitoring System Using Internet of Things,” Journal of Advances in Communication Engineering and Its Innovations Volume 1 Issue 2, ManTech Publications, pp. 1-15., 2016.
- [9] **Lenina Birgale** and Manesh Kokare, “Comparison of Color and Texture for Iris Recognition,” International Journal of Journal of Pattern Recognition and Intellegence (IJPRAI), World Science Publications, Vol. 26, No. 03 (May 2012).
- [10] **Lenina Birgale** and Manesh Kokare, “Iris Recognition Using Ridgelets,” Journal of Information Processing Systems, Vol. 8, No. 3, pp. 707-720, September 2012.
- [11] **Lenina Birgale** and Manesh Kokare, “Iris Recognition Without Iris Normalization,” Journal of Computer Science, Vol. 6, no. 9, Science publications, pp. 1042-47, 2010.

- [12] **Lenina Birgale** and Manesh Kokare, “A Survey on Iris Recognition,” The Icfai University Journal of Electrical & Electronics Engineering (IUJEEE), Vol. 2, no. 4, pp. 7-25, 2009.

### Book/Book Chapter

- [13] **Dr. Lenina SVB**, “A Bag Full Of Honesty, ISBN: 978-1-64546-803-5, 23<sup>rd</sup> May 2019, Publisher [Notion Press, India](#)
- [14] S. Swapna Kumar and **Lenina SVB**, “MATLAB: EASY WAY OF LEARNING, PHI Private Ltd, New Delhi, India, 2016.  
<https://www.amazon.in/MATLAB-Learning-S-SWAPNA-KUMAR-ebook/dp/B01IP4ZJ2Q>
- [15] **Lenina Birgale** and Manesh Kokare, “Recent Trends in iris recognition,” Pattern Recognition and Biometrics, Springer Publications, Book Chapter no. 29, pp. 804-29, 2011.  
[https://link.springer.com/chapter/10.1007%2F978-3-642-22407-2\\_29#citeas](https://link.springer.com/chapter/10.1007%2F978-3-642-22407-2_29#citeas)

### Conferences

- [16] Yuga Sanjay Karale<sup>1</sup>, Rutuja Kailas Tungar, Amol Chandrashekhar Sawant and **Dr. Lenina SVB**, “Classification of Perovskite Material according to Phase Metal Oxides”, April 2019, Conference: International Conference on Energy, Environment, Materials and Safety (ICEEMS2019), At: School of Engineering, Cochin University of Science and Technology (CUSAT), Kochi, Kerala, India, pp 55-61, April 25-27, 2019.
- [17] Pathan Hajera Sharmin AyyubKhan, Shaikh Safoora Sadaf Shaikh Gayasoddin and **Dr Lenina SVB** ,“Automatic Gadget Control System Using Arduino And PIR Sensor”, 3rd International Conference on Research Trends in Engineering, Applied Science and Management, 3rd International Conference on Research Trends in Engineering, Applied Science and Management, (OUCIP, Hyderabad) Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad – 500 007, Telangana State, India, pp 26-33, 4<sup>th</sup> Nov, 2018.
- [18] Hemant P. Meshram, **Dr Lenina SVB**, Mr Tushar Jadhav,” Lithium-Ion Battery Control System for Hybrid-Electric vehicle” International conference on Electrical, Electronics and computer Science (ICEECS), Bengaluru, India, pp 1-5, 24<sup>th</sup> June, 2018.
- [19] Anagha B. Kulkarni, Pranjali S. Jaisingpure, Dr. Lenina SVB, “Automated Object Sorting Based On Colour Detection”, October 2017, Conference: 2nd International Conference on Science, Technology and Management ICSTM, pp. 322- 332, Hyderabad, India.
- [20] Vedanti V. Deshmukh, **Dr Lenina SVB**, Mr Mohan Kulkarni, Mr Shailesh Kolharkar, “PACS: An overview of Technology and Related Issues” International Conference on Innovative Technologies in Computer Science and Engineering (ICITCSE -2018) St. Peter's Engineering College. Affiliated to JNTUH, Approved by AICTE, Accredited by NBA & NAAC with “A” Grade, Maisammaguda, Telangana, India
- [21] Ankita A. Sawant, **Dr. Lenina SVB**, Mr. Dhananjay Joshi, “CAN, FlexRay, MOST versus Ethernet for vehicular network” 2<sup>nd</sup> International Conference on Advancement in Engineering Applied Science and Management (ICAEASM-2018) Venue: Indian Council of social

Science April 2018 Research, North West Regional Centre, Punjab University Campus, Chandigarh, India on 15<sup>th</sup> April, 2018.

- [22] Shoheb Baig, Onkar Devale, Harshal Sarowar, Kunjan Mhaske, Hemant Wankhede and **Dr. Lenina SVB**, "[eatlex.com](http://eatlex.com) : Online Food Delivery Service", 4th International Conference On Science, Technology & Management, (ICSTM-2017), Date Of Conference: 12th November 2017, Venue: (IETE, Pune) The Institution Of Electronics And Telecommunication Engineers, Indiranagar, Erandwane, pp. 550-567, Pune, Maharashtra, India.
- [23] **Dr Lenina SVB**, "Outcome Based Education and Blooms Taxonomy for Future Education," International Conference Proceedings, Future work organizations: Perspectives Issues and Challenges held on 28th to 30th December 2017, first International conference organized by Sona School of Management, pp. 72-76, Goa, India, 2017, Souvenir.
- [24] Mundhada. K, Birajdar. C, Berde. P, Kadam. S and **Dr Birgale L.V.**, "Unmanned Automated Irrigation System", International Conference on Technological Advances in Climate-Smart Agriculture and Sustainability (TACSAS 2017) , pp. 206-209, SGGSIE&T, Nanded, India, 16-18 Jan, 2017.
- [25] **Dr Lenina SVB**, "Intellectual Property Protection: A Step to realize Make in India", International conference on Signal Processing, Communication, Power and Embedded System (SCOPEs)-2016, pp 1-4, 3-5<sup>th</sup> October, Centurion University of Technology and Management, Odisha, India
- [26] K. Dnyaneshwar and **L. V. Birgale**, "Power optimizaton in 8T SRAM cell," 2016 International Conference on Computing Communication Control and automation (ICCUBEA), Pune, 2016, pp. 1-4. doi: 10.1109/ICCUBEA.2016.7860121
- [27] **Lenina Birgale** and Manesh Kokare, "Iris Recognition Using Discrete Wavelet Transform," Proceeding of IEEE Intr. Conf. ICDIP09, Bangkok, Thailand, pp. 401-404, 7 -9 Mar. 2009.
- [28] **Lenina Birgale** and Manesh Kokare, "Iris Recognition Without Iris Normalization," Proc. of Indian Conf. on Computer Vision, Graphics, Image and Video Processing, ICCVGIVP09, Nagpur, India, 13 -14 Mar. 2009.
- [29] **Lenina Birgale** and Manesh Kokare and Dharmapal Doye, "Color and Texture Features for Content Based Image Retrieval," Proceeding of 3rd IEEE Intr. Conf. CGIV06, Sydney, Australia, pp.146-149, Aug. 2006.

#### **Patents:**

- [30] **Patents Filed : YOG AND UNIVERSAL COSTUME (YUC), 28<sup>th</sup> APRIL 2019**

**(Patent Application Number: 201921016851)**

- [31] **Patents Filed : READING ENHANCER DEVICE (RED), 20<sup>th</sup> November 2018 (Patent Application Number: 201821043720)**

Trade Mark:

[32] (Registered Trade Mark: TM application no: 3931950)




[33] Start Recognized DIPP24849

[34] Oral Presentation (01) Indigenous Shoe Rack, Research Conclave, IITG, India, 14-17<sup>th</sup> March, 2019

[35] Working Model Presentation (01) Indigenous Shoe Rack, IET\_Karmaveer\_Expo\_2019 Nashik, India, 22-23<sup>rd</sup> March, 2019  
[https://engg.kkwagh.edu.in/media/post\\_image/IET\\_Karmaveer\\_Expo\\_2019\\_Revised1.pdf](https://engg.kkwagh.edu.in/media/post_image/IET_Karmaveer_Expo_2019_Revised1.pdf)

DETAILS:

1	Name	:	First name Dr. Lenina	Middle name Vithalrao	Surname Birgale
2	Present position	:	Assistant Professor in EXTC, Start up coo		
3	Postal address	:	Ravi Traders, 2nd Floor, Sharda Nagar, Nanded		
4	E-mail address	:	<a href="mailto:lvbirgale@sggs.ac.in">lvbirgale@sggs.ac.in</a> ; <a href="mailto:leninab93@gmail.com">leninab93@gmail.com</a>		
5	Phone number (Mobile & Landline)	:	9765895217		
6	Date of Birth/Age	:	10th Day of March, 1979/ 39 Years		

7. Educational Qualifications

Sr. No.	Degree	Institute/ University	Year of passing	% of Marks	Specialization
1.	Woman Scientist –C (WOS-C)	Patent Facilitating Centre, Technology	2013-14	Certified	Intellectual Property Rights

		Information, Forecasting & Assessment Council, New Delhi 110016, Department of Science and Technology, India.			
2.	Ph. D Electronics Engineering	SGGS Institute of Engineering and Technology, Nanded, Maharashtra.	2012	Awarded	Biometric Recognition System Using Iris/ Image Processing/ Biometrics
3.	M.E. Electronics Engineering	SGGS Institute of Engineering and Technology, Nanded, Maharashtra.	2005	72.3	Electronics Specialization in Computer Technology
4.	B.E. Electronics Engineering	SGGS Institute of Engineering and Technology, Nanded, Maharashtra.	2001	70	Electronics
5.	HSC (Maths, Biology, Physics, Chemistry)	Yeswant Mahavidlay, Nanded, Maharashtra.	1997	77	(MBiPC)/General
6.	SSC	Nirmala Hrudaya Girls Convent School, Nizamabad, Andhra Pradesh.	1995	83.4	General

8. Details of Employment in descending order:

Sr. No.	Post/position held	Name of Institution/Organization	Period		Nature of Duties and responsibilities		
			From	To	Teaching	Research	Administration
1.	Assistant Professor	SGGS Institute of Engineering and Technology, Nanded.	2 <sup>nd</sup> July 2010	Till date	Teaching		
2.	Associate Dean Student Affairs	SGGS Institute of Engineering and Technology, Nanded.	July 2016	Till date	Administration		

3.	Head Entrepreneurship Development Cell, Innovation Lab and Intellectual Property Management Office (EDCILIPMO )	SGGS Institute of Engineering and Technology, Nanded.	May 2016	Till date	Administration; Research; Teaching
4.	In charge TPO	SGGS Institute of Engineering and Technology, Nanded.	July 2016	Till date	Administration
5.	Associate Professor	ICFAI Institute of Technology, Hyderabad.	1 <sup>st</sup> July 2008	1 <sup>st</sup> July 201 0	Teaching
6.	Associate Professor	S.V. College of Engineer ing, RR. District, (Hyderab ad).	29 <sup>th</sup> May 2007	30 <sup>th</sup> June 2008	Teaching
7.	Associate Professor	Bharat Institute of Engineering and Technology, RR. District, (Hyderabad).	4 <sup>th</sup> Augu st 2005	27 <sup>th</sup> May 2007	Teaching
8.	Assistant Professor	Shadan's Womens College of Engineering, Hyderabad.	1 <sup>st</sup> July 200 4	3 <sup>rd</sup> Augu st 2005	Teaching
9.	Lecturer	MGM's College of Engineering, Nanded.	1 <sup>st</sup> June 2002	5 <sup>th</sup> July 2003	Teaching

9. Details of administrative experience:

Sr. No.	Designation	Nature of duties	Period	
			From	To
1.	Director	DR LSVBs PATTSOL MULTISERVICES PRIVATE LIMITED (Student Faculty Startup)	April 13, 2018	Till Dtae
2.	Departmental TPO	Administrative Training and Placement.	July 2010	Till date
3.	Associate Dean Student Affairs	Administration	July 2016	Till date
4.	Head Entrepreneurship Development Cell, Innovation Lab and	Patent Filing, Trademark Filing; Administration; Research; Teaching	May 2016	Till date

	Intellectual Property Management Office (EDCILIPMO)			
5.	Data Entry for AICTE CII Survey	Data Entry and Survey	July 2014	July 2016
6.	NBA Accreditation Departmental Coordinator	Administrative and Data collection, Entry	July 2014	March 2017
7.	Coordinator for various conferences, workshops, trainings	Administrative	2 <sup>nd</sup> July 2010	Till date

11. Total experience: 15 plus Years

12. Number and Names of reputed Awards/Recognitions: 05

- Qualified and Registered Patent Agent at Indian Patent Office.
- UTP Malaysia, Lecture on Biometric recognition Using Iris, August 09, 2016.
- Winner of WIE (Women In Engineering) IEEE Summit Best Delegate Award 23-24 September, 2016.
- Pursued one year training as Women Scientist C under Patent Facilitating Centre, Technology Information, Forecasting & Assessment Council, New Delhi 110016, India and at CSIRs URDIP, Pune.
- Recipient of honorarium of US dollars 100 from JIPS (Journal of Information Processing Systems), Korea.
- Working as a Reviewer of Man Cybernetics, Part B and IJPRAI and other national and international journals and published about 13 papers in reputed international/ national journals and conferences.

13. Number of Ph.D. guided (completed/in progress): Worked as external And Awarded the degree

Sr. No.	Name of the Ph.D. scholar	Thesis Title	Period of supervision	Ph.D. awarded in the year
1.	Mr./Ms. Mary Helta Daisy, M.	Enhance Content Based Image Retrieval Using Fourier Feature Optimization Scheme and Positive Relevance Feedback	June 2015 to Jan 2016	2016
2.	R.Mathusoothana S. Kumar	Image Processing, Computer Networks, Neural Networks, Grid Computing	April 2013 to May 2014	2014