

## **PROFORMA FOR BIO-DATA**

1. Name and full correspondence address : Dr. Meril Cyriac, Marattukalam, TKNRA D-142/A  
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2. Email(s) and contact number(s) : [merilcyriac@lbsitw.ac.in](mailto:merilcyriac@lbsitw.ac.in), 9995595456
3. Institution : LBS Institute of Technology for Women
4. Date of Birth : 15/01/1984
5. Gender (M/F/T) : F
6. Category Gen/SC/ST/OBC : General
7. Whether differently abled (Yes/No) : No

8. Academic Qualification (Undergraduate Onwards)

S.No	Degree	Year	Subject	University/Institution	% of marks
1.	Ph. D	2023	Electronics and Communication Engineering	APJ Abdul Kalam Technological University	
2.	M. Tech	2013	VLSI and Embedded System	M G University	80.8
3.	B. Tech	2005	Electronics and Communication Engineering	Kannur University	74.4

9. PhD thesis title, Guide's Name, Institute/Organisation/University, Year of Award:

Reconstruction and Security Enhancement in Optical Scanning Holography based on Pupil Modification and Optimisation, Dr. Sheeja M K, SCT College of Engineering,

10. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Associate Professor	LBS Institute of Technology for Women	04 <sup>th</sup> March 2025	Till date	131400
2	Assistant Professor	LBS College of Engineering, Kasaragod and LBS Institute of Technology for Women, Poojappura, Trivandrum	01st February 2008	03 <sup>rd</sup> March 2025	15600-39100

11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year

12. Publications (List of papers published in SCI Journals, in year wise descending order).

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Meril Cyriac	A hybrid encryption scheme based on Optical Scanning Cryptography and Fibonacci Lucas Transformation	AIP Advances	January 2021 Doi: 10.1063/5.0030619	11.015117-1 to 11.015117-11	2021
2	Meril Cyriac	A Review of The Expanded Diffie-Hellman Algorithm-Based Virtual Optical Holographic Encryption System	International Research Journal of Engineering and Technology (IRJET)	Volume: 09 Issue: 05   May 2022 p-ISSN: 2395-0072 e-ISSN: 2395-0056 p-ISSN: 2395-0072	1431-1434	2022
3	Meril Cyriac	A Review Paper on the Optical Encryption and Decryption Technology	International Research Journal of Engineering and Technology (IRJET)	Volume: 09 Issue: 05   May 2022 e-ISSN: 2395-0056 p-ISSN: 2395-0072	1404-1406	2022
4	Meril Cyriac	IoT-based Unmanned Ground Vehicle for Firefighting Applications	International Journal for Research in Engineering Application and Management	Volume 10, Issue 03, June 2024 ISSN: 24549150 UGC Journal No 64077	47-50	2024
5	Meril Cyriac	Skin Detect: Skin Care Detection System	International Journal of Enhanced Research in Science, Technology and Engineering	Volume 14, Issue 2, Feb 2025 ISSN: 2319-7463 UGC Journal No 7618	1-7	2025
6	Meril Cyriac	Document to Voice Converter for Blind	Zeichen Journal	Volume 11, Issue 02, Feb 2025 ISSN: 0932-4747 UGC Care Group II	1-12	2025

13. Detail of patents.

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1	Smart Energy-Efficient Blender with Integrated Ingredient Monitoring System	Dr. Meril Cyriac	202541123557 A	02/01/2026	INDIA	

14. Books/Reports/Chapters/General articles etc.

S.No	Title	Author's Name	Publisher	Year of Publication
1	Voice Signal-Based Covid 19 Detection Using Ensemble Neural Networks	Meril Cyriac	Springer	2022
2	Iterative Fourier Transform Optimization of Computer Generated Fourier Holograms	Meril Cyriac	Springer	2019

15. Any other Information (maximum 500 words)