Dr. DEEPAMBIKA V. A

Assistant Professor

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Qualifications:

- B. Tech – Electronics and Communication Engineering
- M. Tech – Optoelectronics and Optical communication
- Ph. D – Electronics and Communication Engineering (Computer Vision)

Professional Experience:

- Assistant Professor, LBSITW, Trivandrum (2002-Till date)

Recently Taught Courses:

- Optical communication
- Foundations of deep learning
- [LCD Lab](LCD Lab)

Other Responsibilities:

- Staff Advisor (2022-2026 ERE)
- Member of Question Paper Setting and Scrutiny committee of B. Tech courses of the University of Kerala and APJ Abdul Kalam Technological university
- Member DQAC
- Member- Purchase committee TEQIP II

Important Publications:

Sl. No	Title	Publications Details	Year of Publication
National Conference			
1	National conference on Technology innovation in Mechatronics, Energy Management and Intelligent communication(NCTIMEMIC-2017)	3D map based on stereo vision using slam	2017
International Conference			
1	Second International Symposium on Computer Vision and the Internet (VisionNet'15)	Symmetric Mask Wavelet Based Detection and Tracking of Moving Objects Using Variance Method	2015
2	Second International Symposium on Computer Vision and the Internet (VisionNet'15)	Census Filtering Based Stereo matching Under Varying Radiometric Conditions	2015
Journals			
1	International Journal of Image Processing (IJIP), Volume (9) : Issue (3) : 2015	Stereo Correspondence Algorithms for Robotic Applications Under Ideal And Non Ideal Lighting Conditions	2015
2	International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-3, Issue-1, October 2013	Dense Stereo Correspondence Algorithm for Robotic Applications	2013
3	Journal of Computer Science	Optimised Implementation of Dense Stereo Correspondence for Resource Limited Hardware	2018
4	Journal of Computer Science	Radiometric Invariant Dense Disparity Estimation for Real Time Stereo Correspondence	2019
5	Journal of Sensors Volume 2018	Illumination Invariant Motion Detection and Tracking Using SMDWT and a Dense Disparity-Variance Method	2018

Membership in Professional Organizations

- Life member ISTE
- IEEE Member

Conference/Paper Presentation:

- Key note - NCACSI-2020 [National Conference On Communication signal Processing and Instrumentation NCACSI-2020]
- Reviewer - Technical papers - Journal of Computer Science