

Faculty Profile

Brief Profile (Few Paragraphs)

Faculty Photo

Personal Information

- **Name:** Mahalakshmi M. N.
- **Designation:** Assistant Professor
- **Department:** Electronics & Telecommunication engineering
- **Email:** mahalakshmimn@rvce.edu.in
- **Phone:** 9844193451

ORCID: <https://www.scopus.com/authid/detail.uri?authorId=57213573555>

Domain of Expertise: Optical Fiber Communication, Image Processing

Research Focus

- **Primary Area:** Optical Fiber Communication, Image Processing
- **Allied Areas:**
 - Fiber Nonlinear effects, Retinal Image processing

Academic Qualifications

- **M.Tech:** Signal Processing , Visvesvaraya Technological University, 2013.
- **B.E.:** Electronics & Telecommunication Engineering, Visvesvaraya Technological University, 2007.

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering	Assistant Professor	Feb 2014 to till date

Publications & Patents

Journal Publications

1. Poorvika R., Mahalakshmi M.N, "Web based Mobile Network Performance Monitoring", International Research Journal of Engineering and Technology., vol 7, no 6, June 2020.
2. Pateel Shireesha, Mahalakshmi M.N., "Implementation of Iterative interference cancellation in FBMC – QAM system", WHJJ Journal, Volume XVI, Issue VII, JULY/2020, pp. 6-9.
3. Subhadeep ganguly, Mahalakshmi M.N., "A Review Paper on Technologies for handling Big Data in Digital Marketing", WHJJ Journal, Volume XVI, Issue VII, JULY 2020, pp. 64.
4. Ashish Manjappa, Swaroopnath G., Aparnashree R., "Segmentation of Retinal Blood Vessels using Image Processing", WHJJ Journal, Volume XVI, Issue VII, JULY 2020.
5. Mahalakshmi M.N., Ravikiran Pawar, Manish Kumar, Anup V. Patel, Vikas M. Dev, " Design, Simulation & Fabrication of Microstrip patch antenna on RT Duroid 5880 substrate for object detection using RADAR", *International journal of scientific and Engineering research*, 2015.

Conference Papers

1. Supreem, H., Mahalakshmi, M.N., Performance analysis of coherent optical OFDM in FSO communication system, 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT , 2018, pp. 2178–2182, 9012297.
2. Agrawal, A., Mahalakshmi, M.N., Puthren, P.R., Badageri, N., "Performance evaluation of OFDM based radio-over-fiber transmission systems", 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT , 2018, pp. 2052–2056, 9012498
3. Botekar, N.P., Mahalakshmi, M.N., "Development of road sign recognition for ADAS using Open CV", *Proceedings of 2017 International Conference on Intelligent Computing and Control, I2C2* , 2018-January, pp. 1–4.

Student Supervision

- **M.Tech/M.Sc. Students:** 05
- **Undergraduate Research Mentees:** 30

Responsibilities

- **Academic:** NPTEL coordinator (UG & PG), English Lab Coordinator (UG & PG), Quiklrn Coordinator.
- **Administrative:** Website coordinator