


PERSONAL DETAILS			
Name	Lakshmi D L		
Department	Electronics & Communication Engineering		
Designation	Assistant Professor		
Qualification	M.Tech		
Teaching Experience	3 Years		
Email ID	lakshmidl.ec@gmail.com	Scopus ID	
Vidwan-ID	119767	Google Scholar ID	WwGuAhMAAAAJ&hl
Orcid ID	0000-0003-0300-0594	DOJ	21/08/2019
Type of Association	Regular		
Core Discipline	Electronics and Communication Engineering (E&C)		
Specialization	Digital Electronics and Communication System (DESC)		
Areas of Interest	<ul style="list-style-type: none"> · Photonics · Communication · Networking 		
MEMBERSHIP OF PROFESSIONAL BODIES			
Professional Society	From Year	Membership Number/ Nature	
IEEE	April 2020	96715906/1 year	
ISCA	August 2019	L-38406/ LIFETIME	

IEAE(InSc)	July 2016	IEAE-2017050/LIFETIME
AMIE	February 2016	AM-1639431/LIFETIME
MISTE	November 2020	LM131737

PUBLICATIONS

INTERNATIONAL JOURNALS: 04

1. A paper entitled “Design of Ultrasonic Radar Using Arduino Board” has been published in Institute for Studies on Recent Advances in Science and Engineering (ISRASE), April 2016
2. “DWDM in transmission system, a review”, published in International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE), Volume 4, Issue 12, December 2017.
3. “Design of two dimensional based pressure sensor using diaphragm”, published in International Research Journal of Engineering and Technology (IRJET), Volume 5, Issue 6, June 2018
4. “Live Lecture Capture Solution – Advanced Teaching And Learning Technique” published in International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 09 | Sep 2020

5. “Learning Management System (LMS): A Digital Platform for E-Learning”, published in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume 8, Issue 11, November 2020

6. “Pressure Sensor Based on Two-Dimensional Photonic-Crystal Ring Resonator” published in Lecture Notes in Electrical Engineering, Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems, Springer, May 2021

7. “Embedded Based Heart Rate Measuring Device Using Fingertip”, published in International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 9 Issue VI June 2021

INTERNATIONAL CONFERENCE: 2

1. International Conference on Recent Advancements in Information Technology, Science and Engineering (ICRAITSE) on 14th and 15th December 2017, organized by IFREP, APC Mahalakshmi College for Women, Thoothukudi, Tamilnadu.

2. 2nd INTERNATIONAL CONFERENCE ON VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems (VSPICE-2020) on 22nd and 23rd December 2020, organized by Department of Electronics & Communication Engineering, NMAM Institute of Technology, Udupi District, Karnataka

GUEST LECTURES DELIVERD

Invited College Name	Title of the topic	Date

WORKSHOPS/SEMINARS/FDPs/PARTICIPATED: 25

1. **“HTML, JavaScript and CSS”** workshop held on 13th September 2015, Organized by GLUE and Department of Computer Science and Engineering GEC, Hassan in association with Free Software Movement, Karnataka.
2. **“Harvesting Solar Energy-an introduction to technology, options and opportunities”** on 30th November 2016 organized by Department of Electronic and Communication Engineering, Malnad college of Engineering, Hassan in association with Apollo Power Sysytems Pvt. Ltd. Bengaluru.
3. **“Virtual laboratory”** on 16th February 2017 organized by Department of Electronic and Communication Engineering, Malnad college of Engineering, Hassan.
4. **“Internet of things for real time applications”**, two days workshop on 13th and 14th March 2017, organized by Department of Electronic and Communication Engineering, Malnad college of Engineering, Hassan.
5. **“Moems and applications”** on 18th March 2017 organized by Department of Electronic and Communication Engineering, Malnad college of Engineering, Hassan.
6. **“High speed optical networks”** on 21st March 2017 organized by Department of Electronic and Communication Engineering, Malnad college of Engineering, Hassan.
7. **“Antenna using HFSS EM Simulator”** on 25th March 2017 organized by Department of Electronic and Communication Engineering, Malnad college of Engineering, Hassan in association with Entuple Technologies.
8. **“Hands on Training on Photonic Sensor Simulation Tools”**, three days workshop from

<p>3rd to 5th October 2019, organized by Department of Electronic and Communication Engineering, Malnad college of Engineering, Hassan.</p>
<p>9. “Entrepreneurship Awareness Camp”, three days workshop from 12th to 14th November 2019 Organized by Department of Electronics and Communication Engineering, BGS Institute of Technology, BG Nagara.</p>
<p>10. “Applications of Artificial Intelligence & Machine Learning”, organized by Adichunchanagiri University (BGSIT) on 27th January 2020.</p>
<p>11. One week Faculty development programme on “MEMS AND MOEMS” organized by Department of Electronic and Communication Engineering, Malnad college of Engineering, Hassan.</p>
<p>12. Training Program for Polytechnic Faculty (FDP on ‘Embedded Systems’ and ‘Teaching and Learning Evaluation Methods’) on 18th August 2019 at SJBGS Polytechnic College, BG Nagara, organized by BGS Groups of Polytechnics.</p>
<p>13. 3 Days FDP on Microteaching and Blooms Taxonomy from 27/11/2020-29/11/2020 organized by Adichunchanagiri University.</p>
<p>14. 6 Days STTP (online) on Intellectual Property for Engineers & Scientists from 23/11/2020-28/11/2020 organized by CMR Institute of Technology (CMRIT).</p>
<p>15. 5 Days STTP (online) on Web Development with Python Django Framework from 16/11/2020-20/11/2020 organized by Ramachandra College of Engineering, Andrapradesh</p>
<p>16. 5 Days FDP (online) on Emerging Research Trends in Computer Science and Engineering (ERTCSE-2020) from 19/10/2020-23/10/2020 organized by GMR Institute of Technology, Rajam, Andhra Pradesh.</p>
<p>17. One Week HANDS-ON FDP (online) on Artificial Intelligence using Python from 14- 09-2020 to 19-09-2020 organized by GMR Institute of Technology, Rajam</p>
<p>18. 5 days FDP (online) on Recent Advances in Photonics Technology from 07/09/2020-11/09/2020 organized by Vidyavardhaka College of Engineering, Mysuru</p>
<p>19. Two weeks FDP (online) on FABRICATION OF ELECTRONIC DEVICES USING NANOMATERIALS from 24/08/2020-04/09/2020 organized by JSS Science and Technology University (SJCE)</p>

20. One week FDP (online) on Emerging Trends & Technologies in Data Science from 24/08/2020-29/08/2020 organized by GMR Institute of Technology, Kakinada
21. One week FDP (online) on Advanced or Smart Processing Technology from 10/08/2020-14/08/2020 organized by Department of Polymer Science and Technology Sri Jayachamarajendra College of Engineering, JSS Science & Technology University, Mysuru-06
22. 5 Days FDP (online) on Quality Control and Safety in Polymer & Allied Industries from 27/07/2020-31/07/2020 organized by Department of Polymer Science and Technology Sri Jayachamarajendra College of Engineering JSS Science and Technology University,

Mysuru			
23. 5 Days FDP (online) on Sensors & Their Applications from 13/07/2020-17/07/2020 organized by VEMANA INSTITUTE OF TECHNOLOGY, Koramangala, Bengaluru - 560 034			
24. 5 Days FDP (online) on Research Opportunities in Signal Processing from 13/07/2020-17/07/2020 organized by Vidyavardhaka College of Engineering, Mysuru.			
25. 5 Days Workshop on A Beginners Course in C Programming from 07/07/2020-11/07/2020 organized by Vidyavardhaka College of Engineering, Mysuru.			
26. 3 Weeks FDP on Research perspectives on AI, ML, Data Science & IoT from 17 th May 2021 to 5 th June 2021			
27. 2 Weeks STTP on Full stack AI & Deep Learning Practitioner Approach			
28. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "MEMS Technology & Microsensors" from 2021-07-26 to 2021-07-30 at National Institute of Technology Meghalaya.			
29. Workshop on Advances in Medical Informatics from 16 th to 20 th August 2021 organized by Manipal Institute of Technology, MAHE, Manipal.			
SUMMARY OF BOOKS/ MONOGRAMS PUBLISHED			
<table border="1"> <thead> <tr> <th>Title of the Book</th> <th>Year of Publication</th> <th>Publisher</th> </tr> </thead> </table>	Title of the Book	Year of Publication	Publisher
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ONLINE COURSES		
Course Title	Course Organization	Year
Introduction to Arduino Interface	UDEMY	2019-20
Practical IOT using Arduino UNO and ESP	UDEMY	2019-20
Electronics: AC & DC Analysis of Diodes	UDEMY	2019-20
Microcontrollers and the C Programming Language (MSP430)	UDEMY	2019-20
How to become an online Teacher	AMITY	2019-20
English for Academic Purposes	AMITY	2019-20

Introduction to Research	NPTEL	2020-21
Advanced Malware Analysis: Redux	CYBRARY	2020-21
Python programming	Great Academy Learning	2021-22
Java Programming	Great Academy Learning	2021-22

AWS S3 Basics	Coursera	2021-22	
Microsoft Excel- Excel from Beginner to Advanced	UDEMY	2021-22	
AWARDS, COMMENDATIONS RECEIVED			
Nature	Year	Awarding Organization	
PATENTS			
1.			
2.			
GRANTS RECEIVED FOR MAJOR AND MINOR PROJECTS			
Title of the project	Sanctioned Year	Agency	Amount
Embedded Based Heart Rate Measuring (HRM) Device Using Fingertip	April 2021	Karnataka State Council for Science and Technology	5000