

Faculty Profile of Dr. K. G. Padmasine



Dr. K. G. Padmasine

Assistant Professor

Department of Electronics & Instrumentation

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Research Area

- Bio MEMS
- RF Antenna
- Nano Electronics
- Microwave Electronics
- Biosensors

Education & Career

Education

Ph.D.

Subject : Electronics and Instrumentation

Institution : Bharathiar University, Coimbatore

Affiliated University : Bharathiar University

Year of Award : 2014

M.Sc.,

Subject: Applied Electronics

Institution : PSG College of Arts and Science

Affiliated University : Bharathiar University

Year of Award : 2005

B.Sc.,

Subject: Applied Electronics

Institution : PSG College of Arts and Science

Affiliated University : Bharathiar University

Year of Award : 2003

Career**At Bharathiar University (Reverse Order)**

Assistant Professor : 2016 to Till Date

Past Experience

Assistant Professor : 2014 to 2016 at Karpagam University, Coimbatore

Research Head : 2013 to 2014 at Tiino Research Lab, PSG Steps, Coimbatore

Editor: 2006 to 2008 at SPS Scientific Publishing Company, SPS Pvt. Ltd, Chennai

Awards

Academic Awards

Sl.No. : 1

Awarding agency : Nature science foundation

Country : India

Purpose of award : Best women faculty award

Date of Award : 2018-2019

Sl.No. : 2

Awarding agency : The united social welfare trust

Country : India

Purpose of award : Best women of the year

Date of Award : 2019-2020

Membership

Visits

Collaborators

Others

Projects

Funded Projects (National Level)

- [Ongoing](#)
- [Completed](#)

Ongoing Projects List with necessary Information

Completed Projects List with necessary Information

Consultancy Projects

- [Ongoing](#)
- [Completed](#)

Ongoing Consultancy Project Informations

Completed Consultancy Project Informations

Research Guidance

- [Post Doc.](#)
- [Ph.D.](#)
- [M.Phil.](#)
- [M.Sc.](#)

Ongoing

Title

Name

Completed

Title

Name

Ongoing

Sample Data.

Completed

Sl. No. : 1

Name of the candidate : Neeraj Krishna V

Title of the Thesis : Microwave Filters and its Applications

Year : July 2019

Sl. No. : 2

Name of the candidate : Athira Mohan R K

Title of the Thesis : Reconfigurable Microwave Antennas for 5G and IOT Applications

Year : October 2019

Sl. No. : 3

Name of the candidate : Thanavel

Title of the Thesis : Digital Image Processing

Year : July 2018

Ongoing

Sample Data.

Completed

Sample Data.

Ongoing

Sample Data.

Completed

Sl. No. : 1

Name of the candidate : Nisha P

Title of the Dissertation : Observation on health quality of teeth before and after root canal treatment using DIP algorithms

Year : 2017

Sl. No. : 2

Name of the candidate : Kathiravagaanth M

Title of the Dissertation : Sea disaster monitoring systems using wireless networks

Year : 2017

Sl. No. : 3

Name of the candidate : Sathyaraj M

Title of the Dissertation : Smart monitoring automation in sugar milk industries

Year : 2017

Sl. No. : 4

Name of the candidate : Ajantha K

Title of the Dissertation : Smart home automation for physically disabled people

Year : 2017

Sl. No. : 5

Name of the candidate : Santhosh kumar R

Title of the Dissertation : Smart Electric grid system using wireless network

Year : 2017

Sl. No. : 6

Name of the candidate : Sudharsanan S

Title of the Dissertation : Automated anemia detection using matlab

Year : 2019

Sl. No. : 7

Name of the candidate : Aishwarya R

Title of the Dissertation : Third eye for blind using Arduino and sensors

Year : 2019

Sl. No. : 8

Name of the candidate : Puvesh Kannan D

Title of the Dissertation : Vision based sign language recognition

Year : 2019

Sl. No. : 9

Name of the candidate : Thianeswaran B

Title of the Dissertation : Biomedical chemical filling and mixing using programmable logic controller

Year : 2019

Sl. No. : 10

Name of the candidate : Arun A

Title of the Dissertation : Hand gesture controlled robot using arduino

Year : 2019

Research Publication

- [International](#)
- [National](#)

- [Patents](#)
- [Conferences](#)
- [Books/Chapters](#)
- [Database](#)

Reverse Chronological Order

2021

Number. Title
Author Names
Journal Name

2020

Number. Title
Author Names
Journal Name

2019-2004

18. A Survey on the Analysis of Diverse Micro Cantilever Shapes for Examining the Sensitivity Level of Biosensor in Biomedical Applications, JASC
Urekabharathi , K.G.Padmasine
Journal of Applied Science and Computations, Volume V, Issue XII,
December/2018, ISSN NO: 1076-5131

17. A Real Time Surveillance Application Using Microcontroller Based Quadcopter
Basheer Ahamed M, Muruganand S, Padmasine K.G
International Journal of Recent Technology and Engineering (IJRTE)',
ISSN: 2277-3878 (Online), Volume-8 Issue-1, May, 2019. Page No.:2611-2614.

16. Observation on Health Quality of Teeth Before and After Root Canal Treatment Using DIP Algorithms,
P. Nisha, K. G. Padmasine
International Journal of Engineering Trends and Applications (IJETA) – Volume

5 Issue 2, Mar-Apr 2018 (Impact Factor=5.135).

DOI:10.33144/23939516

15. Microsensor as Humidity Sensor

Padmasine kg & S.Muruganand

IASCT, Vol.2, No7, ISSN:2239-8585.

14. System on Chip (PSoC) Control for High Current Magnet Power Supply

K.G.Padmasine, & S.Muruganand, 2014

Journal of Embedded Systems, Vol. 2, No. 1,11-14. DOI: 10.12691/JES-2-1-2

13. Quartz Crystal For Thickness Measurement

kg Padmasine & S.Muruganand, 2015

International Journal of Advanced Information Science and Technology

(IJAIST) Vol.4, No.4, DOI:10.15693/ijaist/2015.v4i4.1-3, ISSN: 2319:2682.

12. Quartz tuning fork for UV measurement

kgP admasine, 2017

EJERS, Vol. 2, Issue 8- August, ISSN : 2506-8016.

11. Quartz Tuning Fork as Humidity Sensor

Padmasine kg, 2017

J Nano medicine Nanotechnology, vol. 8, issue: 4: ISSN: 2157-7439.

10. Quartz Crystal for Thickness Measurement

Padmasine kg & S.Muruganand, 2015,

International Journal of Advance Information Science and Technology, Vol.28, Issue 4, ISSN: 2319-2682.

9. Quartz crystal for thin film thickness measurement using embedded software (PSoC)

Padmasine kg & S.Muruganand, 2013

Journal of embedded system and application, Vol.1, No.3.

8. Designing of UV sensor based on Quartz Tuning Fork coated with sol-gel derived Nano crystalline zinc oxide thin film -readout using PSoC Embedded Design

Padmasine kg & S.Muruganand , 2015

International Journal of Embedded Systems and Applications (IJESA), ISSN:1839-5171.

7. Thin film Thickness Measurement using System on Chip and Quartz Crystal

Padmasine kg & S.Muruganand 2014,
International Journal of Communications & Electronics, KIETIJCE-2013-2,
ISSN:2320-8996.

6. Padmasine kg & A. Prem, 2015," Experimental investigation of signal attenuation for wireless motes with the mechanical housing Computer Communication and Informatics (ICCCI)", International Conference, 2015/1/8 1-6.

5. Impulse Noise Removal Using Enhanced Efficient Leading diagonal Sorting Algorithm

Padmasine kg & Rajkumar, 2016,
International Journal of Advanced Information Science and Technology (IJAIST), Vol.5, No.7, ISSN: 2319:2682.
DOI:10.15693/ijaist/2016.v5i7.118-128

4. High Resolution Embedded Read-out Design for Quartz Tuning Fork (QTF)

Padmasine kg & S.Muruganand, June 2013
Journal of the Instrument Society of India, Vol.43, No-2 ISSN: 0970-9983.

3. PSoC Embedded Design and Quartz Crystal for Thin film Thickness Measurement

Padmasine kg & S.Muruganand, 2013
Journal Society of India, Vol.44, No-1, ISSN 0970-9983.

2. Universal Intelligent Sensor Interface Using PSoC Embedded Design

Padmasine kg & S.Muruganand, 2013,
Journal Society of India, Vol. 43, No-2, ISSN 0970-9983.

1. PSoC Embedded Design Control for High Current Magnet Power Supply

Padmasine kg & S.Muruganand, 2013,
Journal Society of India, Vol.42, No-1, ISSN 0970-9983.

Editor of Books by National Publisher

. Life Sciences: Research, Practices and Application for Sustainable Development

K G Padmasine

MacMillan Publishers, 2017.

ISBN:938700007-9

Alumini Reflections: