

Name : Renuka.H

Designation: Assistant Professor

Department: Electronics and Instrumentation

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Experience (in years): Teaching: 3 years

Research: 6 months

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	M.Tech	2014	EIE
2.	B.Tech	2011	EIE

2. Teaching and Learning:

2.1 Teaching Interests: Robotics, Sensor technology, Image processing, Basic Electronics.

2.2 Novel Teaching & Learning Techniques adopted: WIT & WIL, POGIL, TED Videos, MOOCs, NPTEL lectures, MOODLE

2.3 Involvement in curriculum updating / Design:

-Computing Result Analysis for all the four years of EIE,

-Academic plan design

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading books, Cooking, sketching

3.2. CCA/ECA Organized: Organised a two day workshop on Nano satellite design and making for CONVERGENCE 2k18 on the 4<sup>th</sup> and 5<sup>th</sup> Feb, 2018

3.3. CCA/ECA participated: World Yoga Day Celebrations conducted in VNR VJIET

3.4. Counseling and Mentoring Activity: Involved in mentoring 10 students every semester

3.5. Committees involved in:

Department level: Alumni coordinator for the Dept of EIE

Institute Level: VNR Women team of young entrepreneurs.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1Conducted: Guest Lecture sponsored by TEQIP-II on January 23<sup>rd</sup>,2016. Topic is Malware Detection and Analysis.

4.2Attended:

- Attended two day seminar on “Recent Trends in Lasers and its applications” in Nov 28<sup>th</sup> and 29<sup>th</sup> , 2017
- Attended 4 day workshop on “Design Development and applications of advanced Robotis” on 2-5<sup>th</sup> November,2015.
- Attended 2 day Workshop on 3D Printing conducted in VNR VJIET,on 19-20<sup>th</sup>, March,2015
- Attended 4 day Workshop on Real Time Applications Using Lab VIEW form 1-4<sup>th</sup> July,2015 at VNR VJIET.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: NIL

5.2. Articles/Chapters published in Books: NIL

5.3. Books published as single author or as editor: Electronic Payment and Application System for Post Metric Scholarship, Andhra Pradesh, Centre for Innovations in Public Services, Funded By Govt. of India.

5.4. Projects Guided:

a) UG: 3 b) PG: 1

5.5. Research Interests: IoT, image processing

5.6. Ph.D students:

a) Enrolled: NIL

b) Submitted: NIL

c) Awarded: NIL

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Hand Gesture Recognition System to Control Soft Front Panels	IJERT, Vol 3, Issue12	ISSN 2278-0181	2.7	International
2.	Design & Implementation of Synchronous Buck Converter with P,PI,PID Controllers	IJSET, Vol 2, Issue 10	ISSN: 2348-7968	1.672	International
3.	Design and Comparison of Synchronous Buck Converter with P,PI,PID Controllers	IJATCSE,	ISSN 2278 – 3091	1.3	International

5.8. Papers presented at National / International Conference:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Design of an Intelligent System to Control High Purity Distillation Coloum using Split Range Technique	IEEE (International Conference On Human Computer Interaction)	International Conference	March 10 <sup>th</sup> -11 <sup>th</sup> , 2016
2	Design and Comparison of Synchronous Buck Converter with P,PI,PID Controllers	ISTE (International Conference on paradigms in Engineering and Technology)	International Conference	March 2-3 <sup>rd</sup> , 2016
3.	Identification Of Tumor and its Parameters in Breast using Mammography Image Processing	NSI-40	National Conference	Oct,30-31 <sup>st</sup> , 2015

5.9. Sponsored research Projects: Nil

5.10 Consultancy Projects: Nil