Name: Paritala Sampurna Lakshmi

Designation: Assistant Professor

Department: EIE

Mail Id: sampurnalakshmi_p@vnrvjiet.in

Experience (in years): 13   Teaching: 13

1 Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	PhD	Registered in 2019	EIE
2	M.Tech	2011	Embedded Systems
3	B.Tech	2007	EIE

2 Teaching and Learning:

2.1 **Teaching Interests**: Internet of Things, Instrumentation related subjects, switching theory and logic design, Electronic Devices and Circuits, Pulse & digital circuits

2.2 **Novel Teaching & Learning Techniques adopted**: POGIL, BLOOMS taxonomy, Think-share-pair, methodologies

3 Co-curricular and Extra-Curricular Activities

3.1 **Professional Society Membership**: ISOI Member

3.2 **Interests and Hobbies**: Reading books

3.3 **CCA/ECA Organized**: Nil

3.4 **CCA/ECA participated**:
World yoga day celebrations at VNRVJIET.

3.5 Counseling and Mentoring Activity:
Involved in mentoring twenty students every semester from the past 5 years

3.6 Committees involved in:
Department level: NBA   Institute Level: NAAC

4 Conference / Workshop / Seminar / Guest Lectures:

4.1 **Conducted**: nil

4.2 Attended:

- Attended various 13 workshops on different technologies such as Internet Of things, Effective utilization of teaching methods, Machine learning with Python and Instrumentation related
- Done a 12-week NPTEL course on "Introduction to Internet of Things"
- Done a 12-week NPTEL course on "Industry 4.0-Introduction to Industrial Internet of Things"

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 as editor**: NIL

5.4 **Projects Guided**:
　　　　a) UG: 22　　　b) PG: 2
5.5 **Research Interests**: Internet of Things, Sensors, Embedded systems
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	Performance Assessment of Gaussian Bilateral Filter	IJAER,VOL 12	0973-4562	SCOPUS	International
2	Detection of Severity of optical nerve head damage using coherence tomography images	IJIRI	ISSN-2348-1218(PRINT) ISSN-2348-1226(ONLINE)	UGC	International
3	Non-Invasive Measurement of Stress Levels in Knee Implants	IJAER	0973-4562	UGC	International
4	Classification Of Diabetic Maculopathy From	International Journal of Engineering and Technology(UAE)	2227-524X	SCOPUS	International

	Retinal Images					
5	Real time Monitoring of Hydroponics using IoT	**Journal of Sensor Research and Technologies**	**Volume 3 Issue 1**	OPENAIRE	International
6	5G-IOT Architecture of Distribution Transformer Parameter Fault Detection System	IJAER	0973-4562	UGC	International
7	IoT based solar panel fault and maintenance detection using decision tree with light gradient boosting	www.sciencedirect.com/journal/measurement-sensors	27	SCOPUS	International

5.8 **.Papers presented at National / International Journals**:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Design of bus bridge between OCP & AHB protocol	ENACT-2011	National	September 14, 2011
2	Design and implementation of Ternary logic gates	NCOSTEP-2013	National	December 18th,2013

3	Farmaid Robot For Diseased Plants	National Symposium on Instrumentation (NSI-42)-2020	National	28th and 29th Dec,2020
4	IoT Based Alerting System for Respiration Disorders	National Symposium on Instrumentation (NSI-42)-2020	National	28th and 29th Dec,2020

5.9. Sponsored research Projects: NIil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6.Awards / Honors received: NIL

7.Motto: Failures are Stepping stones to Success