KNOWLEDGE ASSET 2017-18

Name: R. Geshmakumari

Designation: Assistant Professor
Department: EEE
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Experience (in years): Teaching: 06 Research: Nil Others(if any, specify): Nil

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	M.Tech	2013	Power Electronics and Industrial Drives
2	B.Tech	2009	Electrical and Electronics Engineering

2. Teaching and Learning:

Teaching Interests: 1. Power Electronics, 2. Control systems, 3. Power Semiconductor Drives, 4. Digital Signal Processing, 5. Advanced Control systems, 6. Basic Electrical and Electronics Engineering,7. Circuit Theory, 8. Switching Theory and Logic Design, 9. HVDC Transmission, 10.MicroProcessor and Microcontroller

2.1. Novel Teaching & Learning Techniques adopted: WIT &WIL
2.2. Involvement in curriculum updating / Design: NIL

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading Books and Watching Movies

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Participated in Badminton and Tennikot in VJIT

3.4. Counseling and Mentoring Activity: Mentoring students for regularity and to improve academic performance

3.5. Committees involved in:

Department level: Website coordinator, Vignanavartha Associate-Editor, CAMS coordinator, NBA file coordinator

Institute Level: NIL

4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted:

- Guest Lecture organized on Applications of Ac Voltage Controller

4.2 Attended:

- Workshop on Power Electronics and its Applications in JNTUH for 21 days
- Workshop on Research methodologies in BITS, Hyd for 2days
- Workshop on 3-D Printing in VNRVJIET for 2days
- Latest Technology and Trends(4G,NFV,IOT,SDN,Network Management
- Emerging trends in Power Electronics and Power Systems
- Workshop on LAB-VIEW in SNITS for 3 days

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: Nil

5.4. Projects Guided:

a) UG:

1. Aurdino Wireless Display Board
2. Hardware Project on Four Quadrant Operation of Chopper
3. Handicraft Generator
4. Reduced no. of Switches to three phase supply
5. Heat Template on Open Stack System

b) PG: A Novel 7-Level Inverter Topology for Dynamic Performance of Induction Motor Drive

5.5. Research Interests: Multi level inverters, Drives, FACTS,HVDC Transmission

5.6. Ph.Dstudents: Nil

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	Modeling and Control of PMBLDCM Using PFC Half &Full Bridge Converter	IJEIT(International Journal of Engineering and Innovative Technology)	ISSN: 2277-3754	0.672	International
2	Sliding Mode Speed Control of Permanent Magnet Synchronous Motor	IJIEEEICE(INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN ELECTRICAL, ELECTRONICS, INSTRUMENTATION AND CONTROL ENGINEERING)	ISSN (Online) 2321 – 2004ISSN (Print) 2321 – 5526	4.855	International
3.	A Novel 7-Level Inverter Topology for Dynamic Performance of Induction Motor Drive	IJCTA(International Journal of Control Theory and Applications)	0974-572		International

5.8. Papers presented at National / International Conference:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Human Powered Power Generating System	Future trends in structural, civil, Environmental and mechanical Engineering	International	2 days
2	A Novel 7-Level Inverter Topology for Dynamic Performance of Induction Motor Drive	"Emerging Trends in Power, Energy and Control" (ETPEC'16)	National	October 14-15, 2016

6. Awards / Honors received: Nil

7. Motto: Hard Work