1. Name and Designation : Dr S.BASKAR and Head & Professor

2. Department : Electrical and Electronics Engineering

- 3. Date of Birth : 15.03.1965
- 4. Unique id : 1-481439225
- 5. Education Qualification:

Category	Name of the Degree	Specialization	Year of Passing	Name of the college	Name of the university	% of Marks/ Grades obtained	Class
UG	B.E.	EEE	1991	TCE, Madurai	MK University	83.38	Distn
PG	M.E.	Control & Instrumentation	1993	CEG,	Anna University Chennai	81.82	Distn.
Ph.D	Ph.D	Evolutionary Algorithms	2001	TCE	MK University	-NA-	-NA-

6.Work Experience :

- Teaching : 25
- Research :20
- Industry : Nil
- Others : Nil

7. Area of Specialization : Control systems, Soft computing

8.Courses Taught at:

UG Level : Control systems, Control system Design

PG Level : System Theory, Soft Computing Techniques

9.Research/Project Guidance :

Master; 30

Ph.D; 14

10. Projects Carried out : 02



Principal Investigator, UGC ,major research Project, Evolutionary Optimization of Computationally expensive problems with surrogate modelling, 10.25 Lakhs

Principal Investigator, BRNS Project, Design of magnetostrictive position sensor for CRDM applications,31 Lakhs

11. Patents : Obtained : Nil Applied : Nil

12 : Technology Transfer : Nil

13. Research Publications :

National Journals :10

International Journals ; 55

Conferences :20

14. No of Books Published with details : 2 book chapters

Classical and Recent aspects of Power system Optimization, edited by Ahmed F. Zobaa Shady H.E Abdel Aleem and Almoataz Youssef Abdelaziz, 2018 Elsevier Inc.

1. Name and Designation :N.KAMARAJ, PROFESSOR

2. Department :Electrical & Electronics Engineering

3. Date of Birth \$10<sup>th</sup> May 1962

4. Unique id : 1-481439229

5. Education Qualification: M.E., M.B.A., Ph.D.

6.Work Experience :

- Teaching :29 years
- Research :20 years
- Industry : 9 years
- Others :Nil

7. Area of Specialization : Power System Engineering

8.Courses Taught at:

UG Level :Power System Analysis, Design of Elec. Installation, Electromagnetic fields, Machine Design PG Level :Research & IPR, Power System Security, Power System Operation & Control

9.Research/Project Guidance :

Master ;44

Ph.D; 28 completed, 03 ongoing

10. Projects Carried out :02

11. Patents : Obtained : -- Applied :--

- 12 : Technology Transfer :---
- 13. Research Publications :

National Journals :6

International Journals ;45

Conferences :70



S.No.	Title	Name of the Publisher	National / International	Year / Edition
1.	Enhancement of Wind and Solar Power plant performances using	Lap Lambert Academic Publishing Germany	International	1 <sup>st</sup> Edition, 19 <sup>th</sup> Ian, 2016
	FACTS device	r donshing, oermany		17 Juli 2010
2.	Mitigation of Malicious Nodes in MANET's Using Trust Management	Lap Lambert Academic Publishing, Germany	International	1 <sup>st</sup> Edition, 5 <sup>th</sup> Sep.2016
3.	MPPT controllers of Power converters in Solar PV systems	Lap Lambert Academic Publishing, Germany	International	1 <sup>st</sup> Edition, 8 <sup>th</sup> Sep.2016
4.	Development and Investigation of CAD schemes to detect lung emphysema and Tumor in MR brain images	Lap Lambert Academic Publishing, Germany	International	1 <sup>st</sup> Edition, 8 <sup>th</sup> Nov.2016
5.	Enhancement of FRT capability and Power Quality of the WES using CPD	Lap Lambert Academic Publishing, Germany	International	1 <sup>st</sup> Edition, 14 <sup>th</sup> Nov.2016
6.	Reactive Power Management in Deregulated Electricity markets	Lap Lambert Academic Publishing, Germany	International	1 <sup>st</sup> Edition, 30 <sup>th</sup> Nov.2016
7.	Power Quality Enhancement using DVR - ISBN 978-3-330-34862-2	Lap Lambert Academic Publishing, Germany	International	1 <sup>st</sup> Edition 15 <sup>th</sup> July 2017

1. Name and Designation : Dr.M.SARAVANAN, PROFESSOR

2. Department : ELECTRICAL AND ELECTRONICS ENGG.

- 3. Date of Birth : 07-06-1970
- 4. Unique id : 1-481439237
- 5. Education Qualification: B.E., M.E., Ph.D.
- 6.Work Experience :
  - Teaching : 25
  - Research : 11
  - Industry : -NIL-
  - Others : -NIL-

7. Area of Specialization : Applied Electronics, Power system, Power Electronics

8. Courses Taught at:

UG Level : Microprocessors, Microcontrollers, Electronic devices and circuits, Digital

Electronics, Computer architecture, Power Electronics, Drives and control, Linear

integrated circuits, Embedded system design, Hybrid vehicles

- PG Level : Advanced microprocessors, Embedded system design, Power converters for distributed generation system, Power quality
- 9.Research/Project Guidance :

Master ; 20 Students of M.E.-Power system Engg. have been guided in their project

Ph.D: 5 students completed their Ph.D. and 6 students are currently doing Ph.D.

10. Projects Carried out : Principal Investigator in two AICTE projects and one UGC project

Co-investigator in one AICTE project

- 11. Patents : Obtained : -NIL- Applied : -NIL-
- 12 : Technology Transfer : -NIL-
- 13. Research Publications :

National Journals : -NIL-



International Journals; 18

Conferences : National -4, International -4

- Book name: Microprocessors and Microcontrollers, Second edition Authors: N.Senthil Kumar, M.Saravanan, S.Jeevanandhan Publisher & Year: Oxford university press, India, 2016
- Book name:Microprocessors and Interfacing Authors: N.Senthil Kumar, M.Saravanan, S.Jeevanandhan, S.K.Shah Publisher & Year: Oxford university press,India, 2012

- 1. Name and Designation : Dr.P. Venkateh, Professor
- 2. Department : Electrical & Electronics Engineering
- 3. Date of Birth : 07 05/1970
- 4. Unique id : 1- 481439241
- 5. Education Qualification: B.E., M.E., Ph.D., Post Doctoral Fellow

6.Work Experience :

- Teaching : 25 years
- Research : 18 years
- Industry : Nil
- Others : Nil

7. Area of Specialization : Power Systems

8. Courses Taught at:

UG Level : Power system analysis, Power system operation and control, soft computing, Network analysis and synthesis, C & C++ Programming

PG Level : Power system security, Electricity deregulation

9.Research/Project Guidance :

Master; 25

Ph.D; 12

- 10. Projects Carried out : 3 (AICTE RPS, DST- FASTTRACK, UGC- MRP)
- 11. Patents : Obtained : Nil Applied : Nil
- 12 : Technology Transfer : Nil
- 13. Research Publications :

National Journals : 7

International Journals; 50

Conferences : 35

14. No of Books Published with details : 1. Electrical Power Systems Analysis, Security and Deregulation, PHI, India, Second edition



1. Name and Designation : **K.SELVI** Professor in Electrical & Electronics Engg

- 2. Department : Electrical & Electronics Engg
- 3. Date of Birth :31.05.1968
- 4. Unique id : 1-481439245

5. Education Qualification: B.E(Hons), M.E(Distn), Ph.D

6.Work Experience :

- Teaching :28.5 years
- Research :20 years
- Industry :Nil
- Others :-----

7. Area of Specialization : Power Systems

8.Courses Taught at:

UG Level : Protection and Switchgear, Renewable energy resources, Transmission and Distribution, Power system analysis, Operation and maintenance of electrical equipment

PG Level :Power system protection, Smart grid, Power system optimization, Power system Deregulation, Power plant Economics.

9.Research/Project Guidance :

Master ; 40 projects in various domains of Power System

Ph.D ;Awarded-07; Pursuing-03

10. Projects Carried out : Carried out research projects entitled "Development of digital type superconducting generator model" obtained from DST and "Modelling a Synchronous Generator with real Time hardware obtained from UGC.

11. Patents : Obtained :NIL Applied :------

12 : Technology Transfer : Through research guidance and invited lectures.

13. Research Publications :

National Journals :08

International Journals ;50



Conferences :58

14. No of Books Published with details :1

#### **CHAPTER in a BOOK with ISBN**

R.Ramya and K.Selvi, "Real Time simulation of Single Machine Infinite Bus system using dSPACE controller board", Lecture Notes in Electrical Engineering series of Springer, chapter.76, Vol.326, pp.783-792, November 2014. ISBN 978-81-322-2118-0 Power Electronics and Renewable energy systems –Springer pub. Proceedings of (ICPERES2014), paper no76 ISBN 978-81-322-2119-7 (eBook) DOI 10.1007/978-81-322-2119-7

Sundarabalan C.K, Selvi K, Sakeenathul Kubra K, Performance Investigation of Fuzzy logic controlled MPPT for energy efficient solar PV systems., ", IEEE and Springer sponsored International Conference on Power Electronics and Renewable Energy Systems (ICPERES2014), Rajalakshmi Engineering college, April 24-26, 2014. Power Electronics and Renewable energy systems –Springer pub. Proceedings of (ICPERES2014), paper no.74.ISBN 978-81-322-2118-0

- ISBN 978-81-322-2119-7 (eBook)
- DOI 10.1007/978-81-322-2119-7

Sundarabalan C.K., Selvi K, Shirley Vaz P, Mitigating Power Quality Problems In Three Phase Four Wire Distribution System Employing Dstatcom, ", IEEE and Springer sponsored International Conference on Power Electronics and Renewable Energy Systems (ICPERES2014), Rajalakshmi Engineering college, April 24-26, 2014

Power Electronics and Renewable energy systems –Springer pub. Proceedings of (ICPERES2014), paper no.74.

- ISBN 978-81-322-2118-0
- ISBN 978-81-322-2119-7 (eBook)
- DOI 10.1007/978-81-322-2119-7

M.Bhavani, Dr.K.Selvi, Sindhumathi "Neuro fuzzy load frequency control in a competitive electricity markets using BFOA tuned SMES and TCPS" published in Lecture Notes on computer science (LNCS)-Springer international, volume no : 8947, page no : 373 – 385, 2015 DOI : 10.1007 / 978-3-319-20294-5\_33 (ISBN: 978-3-319-20293-8)

1. Name and Designation : S.Sivakumar, Associate Professor

2. Department : Electrical and Electronics Engineering

#### 3. Date of Birth : 01.06.1968

4. Unique id : 1-481439253

5. Education Qualification: M.E.

6.Work Experience : 29 years

- Teaching : 29 years
- Research : 10 years
- Industry : 0
- Others :0

7. Area of Specialization :

8.Courses Taught at:

UG Level :

PG Level :

9.Research/Project Guidance :

Master; 15

Ph.D; NIL

- 10. Projects Carried out :
- 11. Patents : Obtained : NIL Applied : NIL
- 12 : Technology Transfer :
- 13. Research Publications :

National Journals: 02

International Journals;

Conferences: 02



: Electrical & Electronics Engineering

- 1. Name and Designation : Dr.V.Suresh Kumar Professor
- 2. Department
- 3. Date of Birth 03/05/1973
- 4. Unique id : 1-486632169
- 5. Education Qualification : B.E., M.E., PhD.
- 6. Work Experience
- Teaching : 22 Years
- Research : 18 Years
- Industry : 1 year
- Others :

:

- 7. Area of Specialization : Power Electronics, Power Quality
- 8. Courses Taught at:
  - UG Level :
    - Electronic Devices and Circuits
    - Power Electronics
    - Electric Drives
    - Power Quality
    - Digital Signal Processing

PG Level :

- Electric Drives and Control
- Power Quality
- Energy Conservation Practice
- Renewable Energy Sources
- 9. Research/Project Guidance :

Master : 35 guided Ph.D. : 6 awarded, 5 under guidance

10. Projects Carried out : 5 No. of sponsored projects

11. Patents : Obtained : --- Applied : --12. Technology Transfer : --13. Research Publications :
National Journals : 2 International Journals : 38 Conferences : 40

14. No. of Books Published with details : 2 Book Chapters



1. Name and Designation	:	V. Saravanan				
2. Department	:	Electrical & Electronics Engineering				
3. Date of Birth	:	12/03/1969				
4. Unique id	:	1-481439257				
5. Education Qualification	:	B.E., M.E., Ph.D.,				
6.Work Experience :						
<ul><li>Teaching</li><li>Research</li><li>Industry</li><li>Others</li></ul>	: : :	22 18 3 Nil				
7. Area of Specialization	:	Energy Management				
8.Courses Taught at	:					
UG Level	:	Lateral Thinking, Engineering Exploration, Engineering Design,				
		Energy Management, Renewable Energy Sources				
PG Level	:	Smart Grid, Energy Resource Management,				
		Renewable Energy Resources				
9.Research/Project Guidance	:					
Master	;	15				
Ph.D	;	Nil				
10. Projects Carried out	:	10				
11. Patents : Obtain	ied	: Nil Applied : Nil				
12 : Technology Transfer :		Nil				
13. Research Publications	:					
National Journals	:	5				
International Journals	;	2				
Conferences	:	10				



1. Name and Designation : Dr. S.Latha & Professor

2. Department : Electrical and Electronics Engineering

- 3. Date of Birth : 15.02.1965
- 4. Unique id : 1-481439261
- 5. Education Qualification:

Categor y	Name of the Degre e	Specializati on	Year of Passin g	Name of the college	Name of the university	% of Marks/ Grades obtaine d	Class
UG	BE	EEE	1986	TCE,MADUR AI	MKU,Madur ai	73	I
PG	ME	Power systems	1987	TCE,MADUR AI	MKU,Madur ai	75	l class with distinctio n
Ph.D	Ph.d	FACTS	2007	TCE,MADUR AI	MKU,Madur ai		

6.Work Experience :

- Teaching : 30
- Research : 20
- Industry : 1
- Others :

7. Area of Specialization : Power system

8. Courses Taught at:

UG Level : ENERGY RESOURCES AND UTILIZATION, Flexible AC Transmission Systems, CONTROL SYSTEM DESIGN, Design of Electrical Machines, DC MACHINES, AC Machines

PG Level :

9.Research/Project Guidance :

Master; 16

Ph.D ; 6



- 10. Projects Carried out :
  11. Patents : Obtained : Nil Applied : Nil
  12 : Technology Transfer :
  13. Research Publications :
  National Journals : 6
  International Journals ; 8
  Conferences : 10
- 14. No of Books Published with details : Nil

1. Name and Designation : C.K.BABULAL, Professor

2. Department : Electrical and Electronics Engineering

- 3. Date of Birth :05-11-1968
- 4. Unique id : 1-481439265

5. Education Qualification: B.E (EEE), M.E.(Power System), Ph.D.

6.Work Experience :

- Teaching : 25
- Research :15
- Industry :0
- Others :0

7. Area of Specialization : Power System Engineering

8. Courses Taught at:

UG Level : Yes

PG Level : Yes

9.Research/Project Guidance :

Master; 30

Ph.D; 12

- 10. Projects Carried out : 3
- 11. Patents : Obtained : 0 Applied : 0
- 12 : Technology Transfer : 12
- 13. Research Publications :

National Journals : 0

International Journals; 30

Conferences: 15



- 1. Name and Designation: Dr. M. GEETHANJALI, Professor.
- 2. Department: Electrical & Electronics Engineering
- 3. Date of Birth: 02-09-1968
- 4. Unique id: 1-481439269
- 5. Education Qualification:

Standard/ Degree	Month and year of passing	Area of specialization (for degree and higher level)	School/ Institute/ University	Class/ Grade	% Marks or CGPA
SSLC	APRIL 1983		Sirumalar Girls' Higher Secondary School, Nagamalai, Madurai-19	FIRST	87%
HSC	APRIL 1985		Sirumalar Girls' Higher Secondary School, Nagamalai, Madurai-19	FIRST	85%
BE	JUNE 1989	Electrical &Electronics Engg.	Thiagarajar College of Engg., Madurai Kamaraj University	FIRST	69%
M.E.	December 1990	Power system Engg.	Thiagarajar College of Engg. Madurai Kamaraj University	FIRST	74%
Ph. D.,	September 2008	Power system Protection	Thiagarajar College of Engg. Madurai Kamaraj University	NA	NA

- 6. Work Experience:
  - Teaching : 28 Years
  - Research : 19 Years
  - Industry : NIL
  - Others : NIL

7. Area of Specialization: Power System Engineering



#### 8. Courses Taught at:

#### UG Level:

- Power System Protection and Switchgear
- Electrical and Electronic Measurement and Instrumentation Systems
- Electron Devices
- Design of Electrical Installations
- Operation and maintenance of Electrical Equipment

#### **PG Level:**

- Power System Protection
- Power plant Instrumentation and control

9. Research/Project Guidance :

Master; 38

PhD; 7 (Completed- 2 nos; Pursuing- 5 nos)

10. Projects carried out:

- Principal Investigator in the Project titled "Design and development of DSP based digital protection schemes for integrated power grid operation in India" sponsored by UGC, New Delhi (Rs 4.62 Lakhs) during 2010-2012.
- 11. Patents: Obtained: NIL Applied : NIL

12. Technology Transfer:

• Mentor for a STUDENT PROJECT titled "Automation system for secured operation of trains" which got selected and funded by IEEE which was selected in All India Young engineers' Humanitarian Challenge 2012(AIYEHUM -2012) conducted by IEEE Bangalore section.

#### Special/Guest Lectures Delivered: 17

#### Seminars/Conference/Schools/workshops Organized: For Students – 3;

#### For Faculty - 2

#### For Students:

- Staff coordinator for the Three day workshop cum training programme (National Franchisee Training Programme) for final year Electrical Engineering students conducted by TNEB training division on "Electrical distribution systems" during February 2011.
- Staff coordinator for one day student seminar on "DSO AND MEASUREMENTS-SIGINIFICANCE IN ELECTRICAL AND ELECTRONICS" held on 7th December,2011, at

Thiagarajar College of Engineering, Madurai, conducted by AGILENT TECHNOLOGIES, Chennai.

• Staff coordinator for one day student seminar on "HIGH PRECISION MEASUREMENTS AND ITS SIGNIFICANCE USING AGILENT EQUIPMENT" held on 7th December, 2012, at Thiagarajar College of Engineering, Madurai, conducted by AGILENT TECHNOLOGIES, Chennai.

#### For Faculty:

- Staff coordinator for TEQIP sponsored Two day Faculty development program on "smart grid technologies Issues & Challenges"., Organized by Department of Electrical and Electronics engineering, Thiagarajar College of Engineering., in collaboration with Central Power Research Institute, Bangalore during 18th and 19th October 2013.
- Staff coordinator for TEQIP sponsored Two day Faculty development program on Hybrid Generation Systems-A Practical Approach", Organized by Department of Electrical and Electronics engineering, Thiagarajar College of Engineering., in collaboration with VI Microsystems, Chennai, during 15th October 2014.

13. Research Publications:

National Journals: 6

International Journals; 30

Conferences: 43

14. No of Books Published with details:

#### A. Books: 01

**Title:** ARTIFICIAL INTELLIGENCE APPLICATIONS FOR POWER SYSTEM PROTECTION

**Publisher:** LAP Lambert Academic Publishing GmbH & Co. KG, Böcking-Straße 6-8, 66121 Saarbrücken, Germany.

ISBN-13:	978-3-659-17569-5
ISBN-10:	3659175692
EAN:	9783659175695
Book language:	English
By (author) :	Muthiah Geethanjali
Number of pages:	284
Published on:	2012-07-13
Category:	Heating,- energy- and power station technology

#### Book Details:

# B. Book Chapter :01

Title: Advanced Condition Monitoring and Fault Diagnosis of Electric Machines Chapter-1: Fault Diagnosis of Induction Motors Using Motor Current Signature Analysis: Publisher: IGI Global Disseminator of Knowledge,

701E.ChocolateAve.

Hershey, PA 17033, USA

**ISBN:** 9781522569893 **DOI:** 10.4018/978-1-5225-6989-3 **Authors:** Dr. Muthiah Geethanjali, Hemavathi Ramadoss.

1. Name and Designation : Dr.N.SHANMUGA VADIVOO

2. Department : Electrical and Electronics Engineering

- 3. Date of Birth :08-03-1972
- 4. Unique id : 1-481439273
- 5. Education Qualification: B.E., M.E., Ph.D
- 6.Work Experience :
  - Teaching :23 years
  - Research :19 years
  - Industry :Nil
  - Others :Nil
- 7. Area of Specialization : Power Systems
- 8.Courses Taught at:

UG Level : Transmission and Distribution, Power System Analysis, Control Systems, Electric Circuits, Electrical Machines, Distributed Generation, High Voltage Engineering, Operating Systems

PG Level : Computer Aided Power System Analysis

9.Research/Project Guidance :

Master; 10

Ph.D; Completed-1, Doing -4

10. Projects Carried out : Nil

- 11. Patents : Obtained : Nil Applied : Nil
- 12 : Technology Transfer :
- 13. Research Publications :

National Journals : Nil

International Journals; 7

Conferences :16



1. Name and Designation: L.JESSI SAHAYA SHANTHI

ASSISTANT PROFESSOR

- 2. Department : EEE
- 3. Date of Birth : 09.05.1974
- 4. Unique id : 1- 481687983
- 5. Education Qualification: M.E., Ph.D.
- 6.Work Experience :
  - Teaching : 19 years
  - Research : 19 years
  - Industry :
  - Others :

7. Area of Specialization : Power Electronics & Drives

8. Courses Taught at:

UG Level : Power Electronics, Electronic Devices and Circuits, Microcontrollers, Linear Integrated Circuits, Electric Drives, Special Machines and Digital Signal Processing.

PG Level : 9.Research/Project Guidance :

Master; 4

Ph.D; 0

- 10. Projects Carried out : 1
- 11. Patents : Obtained : Nil Applied :Nil
- 12 : Technology Transfer :
- 13. Research Publications :

National Journals : 0

International Journals; 7

Conferences : 8 ( National: 2 International: 6)



- 1. Name and Designation : R Rajan Prakash
- 2. Department : EEE
- 3. Date of Birth :17.08.1976
- 4. Unique id : 1 481439285
- 5. Education Qualification: M.E., Ph.D
- 6.Work Experience :
  - Teaching : 19 Years
  - Research : 10
  - Industry :
  - Others :
- 7. Area of Specialization : High Voltage Engineering
- 8. Courses Taught at:

UG Level :Electromagnetic Fields, Electric Circuit Analysis, DC Machines, AC machines, Transmission and Distribution, C & C++ Programming

PG Level : Electrical Transients in Power System, HVDC Transmission

9.Research/Project Guidance :

Master;

Ph.D;

- 10. Projects Carried out :
- 11. Patents : Obtained : Applied :
- 12 : Technology Transfer :
- 13. Research Publications :
  - National Journals :

International Journals; 02

Conferences : 03



1. Name and Designation :	Dr. V. Prakash & Associate Professor
2. Department :	Electrical and Electronics Engineering
3. Date of Birth :	02.08.1972
4. Unique id :	1-486806021
5. Education Qualification:	B.E.
6.Work Experience :	
<ul> <li>Teaching :</li> <li>Research :</li> <li>Industry :</li> <li>Others :</li> </ul>	22 16 02
7. Area of Specialization :	Energy Efficiency Improvement in Electrical Machines
8. Courses Taught at:	
UG Level :	Electromagnetic Fields, Instrumentation system
PG Level :	Transducer Engineering
9.Research/Project Guidance :	
Master;	15
Ph.D;	00
10. Projects Carried out :	04
11. Patents : Obtained : Nil	Applied : Nil
12 : Technology Transfer :	
13. Research Publications :	
National Journals :	
International Journals;	02
Conferences :	02



1. Name and Designation : Dr.S.AROCKIA EDWIN XAVIER

- 2. Department : EEE
- 3. Date of Birth : 11-09-1976
- 4. Unique id : 1-486806025
- 5. Education Qualification: M.E., Ph.D

6.Work Experience :

- Teaching : 19
- Research : 12
- Industry : 1
- Others :-
- 7. Area of Specialization : Power Electronics and Drives
- 8. Courses Taught at:

UG Level : Electric circuit, Electronic devices, Power electronics, Transmission and distribution

PG Level : Industrial controllers, Drives and control

#### 9.Research/Project Guidance :

Master : 15 Ph.D : 9

- 10. Projects Carried out : 1
- 11. Patents : Obtained : -- Applied :--
- 12 : Technology Transfer : --
- 13. Research Publications :
  - National Journals : -
  - International Journals: 16
  - Conferences : 13
- 14. No of Books Published with details : --





9.Research/Project Guidance :

Master : 30 Ph.D : 12

10. Projects Carried out : UGC, AICTE, DST

Title	Sponsoring Agency	Details	Amount sanctioned	Year
Research Award	UGC	Research Award	25.00 Lakhs	2016-2018
Investigation on Photometric Characteristics of LED and OLEDs using Integrating Sphere	AICTE	Research Promotion Scheme (RPS)	24.00 Lakhs	2012-2015
Real Time PID control of Twin Rotor MIMO System using Evolutionary Algorithms	SERB, DST, New Delhi	Fast Track Young Scientist Scheme	26.54 Lakhs	2011-2014
Grid Connected Photovoltaic System Using Voltage Source Inverters	UGC	Major Research Project	6.7 Lakhs	2011-2014



- 11. Patents : Obtained : Nil Applied : 01
- 12 : Technology Transfer : TVS Motors
- 13. Research Publications :

National Journals : 05

- International Journals : 65
- Conferences : 35
- 14. No of Books Published with details : 05

Sl. No.	Title	ISBN	Publishers	Year
1.	Microcontroller based System	9788183715980	Scitech Publications India Pvt	2005
	Design		Ltd., Chennai	
2.	Microprocessors &	9788193340912	Charulatha Publications,	2016
	Microcontrollers		Chennai	
3.	Digital Electronics &	9788193340905	Charulatha Publications,	2017
	Microprocessor		Chennai	
4.	Microprocessors &	9789386532114	Charulatha Publications,	2017
	Microcontrollers (EEE)		Chennai	
5.	Digital Electronics	9789386532121	Charulatha Publications,	2016
			Chennai	

- 1. Name and Designation : Dr.R.Helen, Assistant Professor
- 2. Department : Electrical & Electronics Engineering
- 3. Date of Birth : 28/04/1976
- 4. Unique id : 486806073
- 5. Education Qualification: M.E, Ph.D
- 6.Work Experience :
  - Teaching : 18 yrs
  - Research : 11yrs
  - Industry : 1yr
  - Others : nil
- 7. Area of Specialization : Medical Electronics
- 8.Courses Taught at:
  - UG Level : Digital Signal Processing, VLSI Design, Electronic Circuits, FPGA, Image Processing, Digital Design
  - PG Level : Advanced Digital Signal Processing, Biomedical Instrumentation

9.Research/Project Guidance :

Master; 20

Ph.D; 0

- 10. Projects Carried out : Nil
- 11. Patents : Obtained : Nil Applied : Nil
- 12 : Technology Transfer : Conduct IOT course for Students
- 13. Research Publications :
  - National Journals : Nil

International Journals; 5

Conferences: 12



1. Name and Designation : D.Kavitha /Assistant Professor

2. Department : Electrical and Electronics Engineering

- 3. Date of Birth **\$**20.12.1982
- 4. Unique id : 1-486806077
- 5. Education Qualification: B.E, M.E, Ph.D

6.Work Experience :

- Teaching : 13.5
- Research : 9.5
- Industry : Nil
- Others : Nil

7. Area of Specialization : Power Systems , Power Quality, Engineering Education.

8.Courses Taught at:

UG Level : Digital systems, Microprocessors & Microcontrollers, Project Management, Soft computing, FPGA based system design, Control systems, Measurements, Protection and Switchgear Basic Electrical Engineering.

PG Level : Microcontroller based system design, Intelligent Controllers, Power system optimization, Digital control systems.

9.Research/Project Guidance :

Master; 9

Ph.D; Nil

10. Projects Carried out : Nil

11. Patents : Obtained : Nil Applied : Nil

12 : Technology Transfer : Use of ICT in Engineering Education

13. Research Publications :

National Journals : 1

International Journals; 12

Conferences : 20



- 1. Name and Designation :Dr.S. Charles Raja & Assistant Professor
- 2. Department : Electrical and Electronics Engineering
- 3. Date of Birth **:**04-05-1984
- 4. Unique id :1-481439333
- 5. Education Qualification: M.E., Ph.D.
- 6.Work Experience :
  - Teaching : 11 Years
  - Research : 11 Years
  - Industry : Nil
  - Others : Nil
- 7. Area of Specialization : Power System, Smart Grid

8.Courses Taught at:

UG Level : Power System Analysis, Industrial automation, Basics of Electrical Engg., C & C++ programming, Smart Grid

PG Level : Power System security, Power system control, Smart Grid, Deregulation, Machine learning

9.Research/Project Guidance :

Master: 22

Ph.D : 08

10. Projects Carried out : 02 (UGC & DST- SERB)

11. Patents : Obtained : -- Applied : --

- 12 : Technology Transfer : --
- 13. Research Publications :

National Journals : 02

International Journals: 18

Conferences: 28

14. No of Books Published with details : 01

• Electrical Power Systems Analysis, Security and Deregulation, PHI, India, Second edition



1. Name and Designation : Dr.V.Mahesh, Assistant Professor

- 2. Department : EEE
- 3. Date of Birth : 05/12/1981
- 4. Unique id : I-481439337
- 5. Education Qualification: Ph.D
- 6.Work Experience :
  - Teaching : 11 Years
  - Research : 5 Years
  - Industry : -
  - Others : -
- 7. Area of Specialization : Power System
- 8.Courses Taught at:

UG Level : Power Systems, Electrical Machines, Control Systems

PG Level : Systems Theory, Power Plant Instrumentation

9.Research/Project Guidance :

Master; 4

Ph.D ; -

- 10. Projects Carried out : -
- 11. Patents : Obtained : Applied : -
- 12 : Technology Transfer : -
- 13. Research Publications :

National Journals : 0

International Journals; 2

Conferences :2



- 1. Name and Designation: Dr.D.Nelson Jayakumar, Asst. Prof.
- 2. Department: Electrical & Electronics Engineering
- 3. Date of Birth: 24-05-1980
- 4. Unique id: 1-486806101
- 5. Education Qualification: B.E., M.Tech., Ph.D.,
- 6. Work Experience:
  - Teaching :14.5
  - Research :12
  - Industry : --
  - Others : --
- 7. Area of Specialization: Energy Management, Renewable Energy, Power System optimization
- 8. Courses Taught at:

UG Level: Measurement Systems, Energy Resources and Utilization, AC Machines & Energy Conservation Practices PG Level: Design of Renewable Energy Systems

#### 9. Research/Project Guidance:

Master; 02

Ph.D; 02

- 10. Projects Carried out: 01 (CAYT)
- 11. Patents: -- Obtained: -- Applied : --
- 12. Technology Transfer: --
- 13. Research Publications:

National Journals: --

International Journals: 05

Conferences: 01



- 1. Name and Designation : R.MEDESWARAN
- 2. Department :EEE
- 3. Date of Birth **:04.05.1977**
- 4. Unique id : 486806109
- 5. Education Qualification: B.E; M.Tech; Ph.D.
- 6.Work Experience :
  - Teaching : 20
  - Research : 10
  - Industry : -
  - Others : -
- 7. Area of Specialization : Power Systems
- 8.Courses Taught at:

UG Level : 20

PG Level : 5

9.Research/Project Guidance :

Master; 10

Ph.D ; -

- 10. Projects Carried out : -
- 11. Patents : Obtained : Applied :
- 12 : Technology Transfer :
- 13. Research Publications :

National Journals : -

International Journals; 4

Conferences: 11



- 1. Name and Designation : Dr. B.Ashok Kumar & Assistant Professor
- 2. Department : EEE
- 3. Date of Birth \$13.07.1981
- 4. Unique id : 1-486806133
- 5. Education Qualification: ME, PhD
- 6.Work Experience :
  - Teaching : 15
  - Research :9
  - Industry :0
  - Others :

7. Area of Specialization : Instrumentation, Renewable Energy, Power Quality

8. Courses Taught at:

UG Level : Basic of EEE, Digital Systems, Measurement Systems, Industrial Instrumentation,

PG Level : Analytical instrumentation, Biomedical Instrumentation, SCADA, Industrial Instrumentation

9.Research/Project Guidance :

Master; 15

Ph.D ; -

10. Projects Carried out :-

- 11. Patents : Obtained : Applied : -
- 12 : Technology Transfer :-
- 13. Research Publications :
  - National Journals :

International Journals; 9

Conferences: 18



1. Name and Designation : G. Sivasankar & Assistant Professor

2. Department : Electrical and Electronics Engineering

- 3. Date of Birth : 24.11.1979
- 4. Unique id : 1-486806137
- 5. Education Qualification: Ph.D

6.Work Experience :

- Teaching : 10
- Research : Nil
- Industry : Nil
- Others :

7. Area of Specialization : Power Electronics and Drives, Power Quality & Renewable Energy

8. Courses Taught at:

UG Level : Electrical Circuits, HVDC, Power Quality, Domestic and Industrial Electrical Installations, Instrumentation Systems etc

PG Level : SCADA, Electric Drives, System Identification and Adaptive Control

9.Research/Project Guidance :

Master; 10

Ph.D; 3

- 10. Projects Carried out : Nil
- 11. Patents : Nil Obtained : Nil Applied : Nil
- 12 : Technology Transfer :
- 13. Research Publications :
  - National Journals :

International Journals; 7

Conferences: 7



1. Name and Designation: M.VARATHARAJAN,

ASSISTANT PROFESSOR

2. Department : ELECTRICAL & ELECTRONICS ENGINEERING

- 3. Date of Birth : 26-May-1986
- 4. Unique id : 1-1556254971
- 5. Education Qualification: M.E
- 6.Work Experience :

•	Teaching :	6.5
•	Research :	5

- Industry : 2.5
- Others :
- 7. Area of Specialization : Control & Instrumentation

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8. Courses Taught at:

UG Level :	Control Systems,
	Control System Design,
	Industrial Automation, PLC & DCS, Robotics, Quality Engineering
PG Level :	Process Control and Instrumentation, Adaptive Control,
	System Identification and Adaptive Control, Intelligent Control,
	Digital Control

9.Research/Project Guidance :

Master ; Ph.D :	16 0	
10. Projects Carried out :	0	
11. Patents : 0 Obtained : 0		Applied : 0
12 : Technology Transfer :	0	
13. Research Publications :		
National Journals :	0	
International Journals;	1	
Conferences :	2	
14. No of Books Published with	deta	ils : 0



- 1. Name and Designation : Dr.V.SEETHARAMAN, Assistant Professor
- 2. Department : Electrical and Electronics Engineering
- 3. Date of Birth : 01.07.1985
- 4. Unique id : 1-1556254976
- 5. Education Qualification: B.E., M.E., Ph.D.,

6.Work Experience :

- Teaching : 10
- Research : 6
- Industry : -
- Others : -
- 7. Area of Specialization : Power Electronics and Drives

8.Courses Taught at:

UG Level : Renewable energy resources, Industrial electrical and electronics, Biomedical instrumentation

PG Level : Advanced digital signal processing

9.Research/Project Guidance :

Master; 2

Ph.D;

10. Projects Carried out : -

- 11. Patents : Obtained : Applied : -
- 12 : Technology Transfer : -
- 13. Research Publications :

National Journals : -

International Journals; 3

Conferences: 1



- 1. Name and Designation : Mr.M.Ramkumar & Assiatant Professor
- 2. Department : EEE
- 3. Date of Birth \$17.06.1979
- 4. Unique id : 1-2494238783
- 5. Education Qualification: B.E,M.E (Ph.d)
- 6.Work Experience :
  - Teaching : 12
  - Research : 4
  - Industry :
  - Others :
- 7. Area of Specialization: wind energy conversion systems
- 8. Courses Taught at:

UG Level : Power Electronics & Drives, special Electrical machine, Instrumentation systems

PG Level : Analysis of power converter , special Electrical machine

9.Research/Project Guidance :

Master; 01

Ph.D ;---

- 10. Projects Carried out :---
- 11. Patents : Obtained : --- Applied :---
- 12 : Technology Transfer :---
- 13. Research Publications :

National Journals :

International Journals;

Conferences :10



- 1. Name and Designation : S.Surendhar and Assistant Professor
- 2. Department : Electrical & Electronics Engineering
- 3. Date of Birth : 09-11-1992
- 4. Unique id : 1-3676173322

5. Education Qualification: M.E (Instrumentation Engineering)

- 6.Work Experience :
  - Teaching : 1.5 years
  - Research : 0
  - Industry : 1
  - Others : 0
- 7. Area of Specialization : Process control and Instrumentation
- 8. Courses Taught at:

UG Level : Project management, Industrial Automation, Engineering Design, Basic Electrical

PG Level : Process control, Digital control system, Industrial Automation

9.Research/Project Guidance :

Master; 2

Ph.D; 0

- 10. Projects Carried out : 0
- 11. Patents : Obtained : 0 Applied : 0
- 12 : Technology Transfer : 0
- 13. Research Publications :

National Journals: 0

International Journals; 0

Conferences: 2



1. Name and Designation : R.SUGANYA, Assistant Professor

- 2. Department : Electrical and Electronic Engineering
- 3. Date of Birth 14/05/1989
- 4. Unique id : 3675913134
- 5. Education Qualification: M.Tech

#### 6.Work Experience :

- Teaching : 5 years and 5 months
- Research :
- Industry :
- Others :
- 7. Area of Specialization : Control and Instrumentation
- 8. Courses Taught at:

UG Level: Industrial Instrumentation, Industrial Automation

PG Level : ADSP, Bio Medical, Process control, Digital Control system design

9.Research/Project Guidance :

Master; 01

Ph.D;

- 10. Projects Carried out :
- 11. Patents : Obtained : Applied :
- 12 : Technology Transfer :
- 13. Research Publications :

National Journals :

International Journals;

Conferences: 01

