

**Dr. M. Lydia, M.E., Ph.D.,**  
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**Email: lydiaedwin.05@gmail.com**



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## **OBJECTIVE**

Dedicated and committed to perform my best, to work in a challenging environment that provides freedom to realize my fullest potential and to contribute to the development of the organization where I am placed.

## **EDUCATIONAL QUALIFICATION:**

<b>Degree / Research</b>	<b>Institution</b>	<b>University</b>	<b>Year of Passing</b>	<b>Percentage &amp; Class</b>
<b>Post-Doctoral Fellow</b>	<b>Faculty of Electrical Engineering</b>	<b>Technion Israel Institute of Technology, Israel</b>	<b>July 2015- April 2016</b>	
Ph.D (Electrical & Electronics Engg.)	Karunya University	Karunya University	May 2014	-
M. E. (Power Electronics & Drives)	Government College of Technology, Coimbatore	Anna University	May 2004	88.1% First Class with Distinction
B.E (Electrical & Electronics)	Karunya Institute of Technology	Bharathiyar University	May 2001	84.1% First Class with Distinction

## **PROFESSIONAL EXPERIENCE:**

1. Assistant Professor, Department of EEE, Karunya University  
1.11.2001 - 13.4.2019
2. Associate Professor, Dept. of EEE, SRM University, Delhi-NCR, Sonapat  
15.4.2019 to till date

## MAJOR POSITIONS HELD:

- Served as **Deputy Director - Center for Sustainable Energy Sciences and Technology** (October 2018 – April 2019) at Karunya Institute of Technology & Sciences
- Served as **Coordinator- Academic Research** (June 2016 – January 2019) for Karunya Institute of Technology & Sciences
- Served as **Choice Based Credit System Advisor – UG** (March 2014 – June 2015) in the Office of Academic Affairs, Karunya University
- Served as **Head of the Programme (HoP)** for the Pre-Engineering Program from July 2013 to March 2014 for Karunya University
- Served as the **Assistant Controller of Examination** at Karunya University from September 2009 to September 2012.

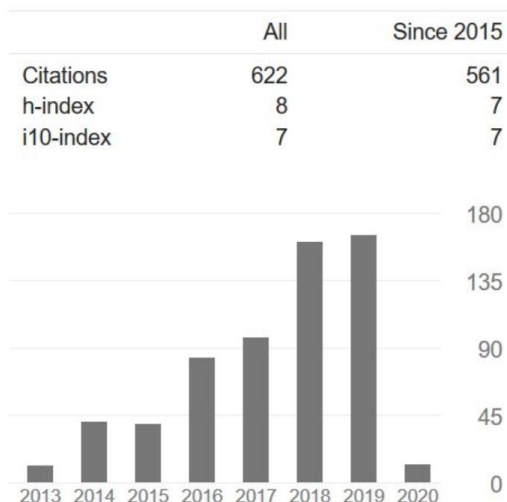
## AREAS OF INTEREST:

- ✓ **Renewable Energy Technology** : Wind Power Forecasting
- ✓ **Power Electronics & Drives** : Converters for Grid Integration
- ✓ **Smart Grids** : Optimization & Distributed Generation
- ✓ **Wireless Sensor Networks**
- ✓ **Power System State Estimation**
- ✓ **Compressed Sensing**

## PUBLICATION HIGHLIGHTS:

### Googlescholar:

<https://scholar.google.co.in/citations?user=hFudMKgAAAAJ&hl=en&authuser=1>

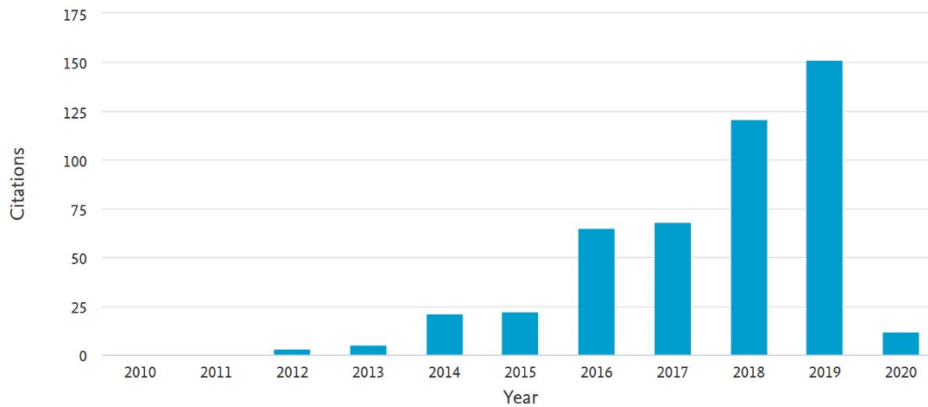


## Scopus:

<https://www.scopus.com/authid/detail.uri?authorId=36976100400>

Citations by year

468



## PUBLICATIONS:

### INTERNATIONAL JOURNALS

1. **M. Lydia**, A. Immanuel Selvakumar, S. Suresh Kumar, G. Edwin Prem Kumar, “**Advanced Algorithms for Wind Turbine Power Curve Modeling**”, *IEEE Transactions on Sustainable Energy*, Vol. 4, Issue 3, July 2013, pp. 827-835. doi: 10.1109/TSTE.2013.2247641 [**Impact Factor: 6.235**]
2. **M. Lydia**, S. Suresh Kumar, A. Immanuel Selvakumar, G. Edwin Prem Kumar, “**A Comprehensive Review on Wind Turbine Power Curve Modeling Techniques**”, *Renewable and Sustainable Energy Reviews*, Vol. 30, 2014, pp. 452-460. doi: <http://dx.doi.org/10.1016/j.rser.2013.10.030> [**Impact Factor: 10.556**]
3. **M. Lydia**, S. Suresh Kumar, A. Immanuel Selvakumar, G. Edwin Prem Kumar, “**Wind Resource Estimation using Wind Speed and Power Curve Models**”, *Renewable Energy*, Vol. 83, 2015, pp. 425-434. doi: <http://dx.doi.org/10.1016/j.renene.2015.04.045> [**Impact Factor: 5.439**]
4. **M. Lydia**, S. Suresh Kumar, A. Immanuel Selvakumar, G. Edwin Prem Kumar, “**Linear and Non-linear Autoregressive Models for Short-Term Wind Speed Forecasting**”, *Energy Conversion and Management*, Vol. 112, 2016, pp. 115-124. doi:10.1016/j.enconman.2016.01.007 [**Impact Factor: 7.181**]

5. C. Saravanan, P. Udhayakumar, **M. Lydia**, “**Designing of Timber Blade for Small Wind Turbine**”, *International Journal of Engineering Research and Technology*, Vol. 2, No. 2, 2013, pp. 1-5.
6. P. Udhayakumar, C. Saravanan, **M. Lydia**, “**Stand-alone Wind Energy Supply System using Permanent Magnet Synchronous Generator**”, *International Journal of Innovative Technology and Exploring Engineering*, Vol. 2, No. 3, 2013, pp. 130-135.
7. G. Edwin Prem Kumar, Kartheek, **M. Lydia**, Christhuraj, “**Enhancing agricultural productivity using zigbee based low cost field sensor embedded device and prediction models**”, *Research Journal of Pharamceutical, Biological and Chemical Sciences*, Vol. 5, No.2, 2014, pp. 1070-1080
8. G. Edwin Prem Kumar, K. Baskaran, R. Elijah Blessing, **M. Lydia**, “**A Comprehensive Review on the Impact of Compressed Sensing in Wireless Sensor Networks**”, *International Journal on Smart Sensing and Intelligent Systems*, Vol. 9, No. 2, 2016, pp. 814-844
9. G. Edwin Prem Kumar, K. Baskaran, R. Elijah Blessing, **M. Lydia**, “**Evaluation of Hybrid Trust Models using Ant Colony Optimization in Wireless Sensor Networks**”, *International Journal on Smart Sensing and Intelligent Systems*, Vol. 9, No. 3, 2016, pp. 1243-1260
10. G. Edwin Prem Kumar, K. Baskaran, R. Elijah Blessing, **M. Lydia**, “**Trust based data prediction, aggregation and reconstruction using compressed sensing for clustered wireless sensor networks**”, *Computers and Electrical Engineering (Elsevier)*, Vol. 72, pp. 894-909[IF: 2.189]
11. **Edwin Prem Kumar Gilbert**, Baskaran Kaliaperumal, Elijah Blessing Rajsingh, **M. Lydia**, A. Immanuel Selvakumar, “Trust Aware Nature Inspired Optimized Routing in Clustered Wireless Sensor Networks,” *International Journal of Bio-inspired Computation (Inderscience)*, Vol. 14, No. 2, 2019.(Impact Factor: 3.395)
12. Divya PS, **Lydia M**, Manoj G, Devaraj A, “Analysis of transformation methods for mathematical modeling of wind resource”, *International Journal of Engineering & Technology (UAE)* 7, (3.29), pp. 428-432, 2018.
13. Divya PS, **Lydia M**, Manoj G, Devaraj A, “Analysis of mathematical modeling for renewable energy in a real time system”, *International Journal of Mechanical Engineering and Technology* 9, pp. 1322-1328, 2018.

14. Divya PS, **Lydia M**, Manoj G, Devaraj A, “A statistical analysis of transformation methods for wind power curve modelling”, *International Journal of Mechanical and Production Engineering Research and Development* 9(2), pp. 39-50, 2019.
15. G. Edwin Prem Kumar, **M. Lydia**, K. Baskaran, R. Elijah Blessing, “Trust aware fault tolerant prediction model for wireless sensor network based measurements in smart grid environment”, *Sustainable Computing: Informatics & Systems (Elsevier)*, Vol. 23, pp. 29-37, 2019 [IF: 1.8]
16. C. Pradip, K. Vinoth Kumar, **M. Lydia**, “A comprehensive overview on PV based hybrid energy systems”, *International Journal of Renewable Energy Research*, Vol. 9, No. 3, 2019.

### **NATIONAL JOURNAL**

1. **M. Lydia**, S. Suresh Kumar, A. Immanuel Selvakumar, “**Data mining based forecasting models for wind speed**”, *Karunya Journal of Research*, Vol. 4, Issue 1, September 2012, pp. 17-23. ISSN No. 0974-7214

### **INTERNATIONAL CONFERENCE**

1. **M. Lydia** and K. Baskaran presented a paper titled “**Neural Network Based Adaptive Real-time Training algorithm for Fault Diagnosis in Electrical Machines**”, *International Conference on Artificial Intelligence & Engineering and Technology*, August 2004, Malaysia.
2. **M. Lydia** and S. Suresh Kumar, paper titled, “**Wind Farm Power Prediction : An Overview**” at the *Fifth International Symposium on Computational Wind Energy*, CWE2010, 23-27 May 2010, Chapel Hill, North Carolina, USA.  
ftp://ftp.atdd.noaa.gov/pub/cwe2010/Files/Papers/291\_edwin.pdf
3. **M. Lydia** and S. Suresh Kumar, presented a paper titled, “**A Comprehensive Overview on Wind Power Forecasting**” at the *9<sup>th</sup> International Power and Energy Conference IPEC 2010*, 27-29 October 2010, Suntec, Singapore.  
Digital Object Identifier: 10.1109/IPECON.2010.5697118  
Publication Year: 2010 , Page(s): 268 – 273
4. M S Mohanraj, M Alexander, **M. Lydia** paper titled “**Modeling of Wind Turbine Power Curve**”, at *IEEE PES Innovative Smart Grid Technologies – India (ISGT India)* 2011. Digital Object Identifier: 10.1109/ISET-India.2011.6145371  
Publication Year: 2011 , Page(s): 144 – 148

5. **M. Lydia**, “Bridgeless high power factor Buck Converter” in the Second International Conference on Emerging trends in advanced Engineering research, held at The Quilton Beach Hotel and Convention centre, Kollam, organized by Basелиos Mathews II College of Engineering during 20-21, February 2012.
6. **M. Lydia**, “Auxiliary supply – assisted 12-pulse phase-controlled rectifier with reduced input current harmonics” in the Second International Conference on Emerging trends in advanced Engineering research, held at The Quilton Beach Hotel and Convention centre, Kollam, organized by Basелиos Mathews II College of Engineering during 20-21, February 2012.
7. **M. Lydia**, “An Interleaved DC-DC High Step-up Converter with a common Active Clamp” in the Second International Conference on Emerging trends in advanced Engineering research, held at The Quilton Beach Hotel and Convention centre, Kollam, organized by Basелиos Mathews II College of Engineering during 20-21, February 2012.
8. **M. Lydia**, ‘Simulation of a Novel rectifier topology for variable-speed high-power PMSG wind turbines using Matlab/Simulink’ in the IEEE Sponsored International Conference on Renewable Energy and Sustainable Energy (ICRESE13), held at Karunya Institute of Technology & Sciences, Coimbatore during 5-6, December 2013
9. G. Edwin Prem Kumar, K. Baskaran, R. Elijah Blessing, **M. Lydia**, presented a paper titled, “**Securing the Smart Grid Network: A Review**”, at *IEEE International Conference on Computational Intelligence and Computing Research (ICCIC)* 2016, 15-17 December 2016, India. Pages(s): 235-240.
10. **M. Lydia**, S. Suresh Kumar, A. Immanuel Selvakumar, G. Edwin Prem Kumar, “**Wind Farm Power Prediction using Wind Speed and Power Curve Models**”, Second International Conference on Intelligent and Efficient Electrical Systems (ICIEES’17), 20-21 January 2017, PSG College of Technology, Coimbatore (**SPRINGER – BEST PAPER AWARD worth EURO 300**), *Springer Lecture Notes in Electrical Engineering* 446, pp. 15-24, 2018.
11. Chinju Saju, **M. Lydia**, “A Comprehensive Review on Hybrid Electric Vehicles: Power Train Configurations, Modeling Approaches, Control Techniques”, IEEE International Conference on Inventive Communication and Computational Technologies (ICICCT 2018), during 20-21 April 2018.
12. John Francis, DS Jawahar, AJ Paul, **M Lydia**, “Design and Analysis of 24 hours solar panel”, UTP-UMP-VIT Symposium on Energy Systems, *MATEC Web of Conferences* Volume 225, 5 November 2018, Article number 06006.

- 13. M. Lydia**, G. Edwin Prem Kumar, Yoash Levron, “Detection of Electricity Theft based on Compressed Sensing”, *International Conference on Advanced Computing & Communication Systems – ICACCS 2019* on 15<sup>th</sup> & 16<sup>th</sup> March 2019 at Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu, India. [**BEST PAPER AWARD**]

## **NATIONAL CONFERENCES**

1. M. Lydia presented a paper titled, “**A Novel Method of Turn Fault Detection in Induction Motors Using Neural Networks**”, *National Conference on Modern Trends in Electrical and Instrumentation Systems*, 9-10 March 2005, Government College of Technology, Coimbatore.
2. M. Lydia and K. Baskaran presented a paper titled, “**Neural Networks Based Fault Diagnosis in Electrical Machines using a Self-Commissioning Training Algorithm**”, *29<sup>th</sup> Annual Convention and Exhibition, ACE 2003*, IEEE India Council, December 2003.

## **ACADEMIC CREDENTIALS:**

- Secured **first position (Gold Medalist)** in the UG Degree program at Karunya Institute of Technology (Affiliated to Bharathiyar University).
- Secured the **gold medal** in the PG program at Government College of Technology, Coimbatore.

## **MOOC COURSES:**

- ✓ Deep Learning
- ✓ Introduction to Internet of Things

## **SOFTWARE SKILLS:**

- ✓ MATLAB – SIMULINK, Neural Network Toolbox, Curve Fitting Toolbox, Fuzzy Logic Toolbox, Optimization Toolbox
- ✓ WEKA
- ✓ R
- ✓ PSIM

## PROJECT GUIDANCE:

Under Graduate Level : 20  
Post Graduate Level : 15  
Ph.D. guidance : 3 (Ongoing)

## COUNTRIES VISITED:

- Singapore
- Israel

## OTHER ADMINISTRATIVE RESPONSIBILITIES:

- **Coordinator** for Karunya Entrance Exam – 2005, Madurai Center
- Served as **Joint Chief Warden** of the Ladies Hostel, Karunya University.
- Served as **member in the Board of Studies** of the Dept of Value Education for the academic year 2007-2008.
- Served as **member in the Board of Studies** of the Dept of English for the academic year 2010-2011, 2011-2012, 2012-2013
- **Convener** of Souvenir Committee – MINDKRAFT '13 & MINDKRAFT '14, MINDKRAFT '18.
- **Convener** of Prize Distribution Committee in KEMT '13, KEMT '14, KAAM '14.
- **Convener** of Program Committee during University Convocation from 2009 - 2013.
- **Convener** of Opening & Closing Ceremony Committee in KEMT '16, KEMT '17.

## RESEARCH GRANTS SUBMITTED

Sl. No.	Title	Funding	PI Details	Budget Rs.	Status
1	Artificial intelligence based climate-sensitive disease prediction system using big data analytics	Department of Biotechnology	PI: Dr. G. Edwin Prem Kumar Co-PI: <b>Dr. M. Lydia</b> Prof. V. Samuel Raj Dr. Arpana Vibhuti Dr. Ramendra Pati Pandey	<b>29802400</b>	Submitted
2	Deep learning based prediction models	Science and Engineering	PI: <b>Dr. M. Lydia</b>	28348000	Submitted

	for pesticide usage, management and its impacts using agro-climatic indices	Research Board	Co-PI: Dr. G. Edwin Prem Kumar Prof. V. Samuel Raj Dr. Ramendra Pati Pandey		
3	Compressive Sensing Techniques for Wind Energy Systems	Science and Engineering Research Board	<b>Dr. M. Lydia</b>	600000	Submitted
4	Diagnosis, treatment and prevention of anaemia using a mobile app based on fuzzy expert system in Sonapat district of Haryana	Science and Technology for Women, Department of Science and Technology	PI: <b>Dr. M. Lydia</b> Co-PI: Dr. Poornima Sheba	3899800	Selected for Presentation

### WORKSHOPS ORGANIZED:

1. Organized MNRE sponsored Two Days National Level Workshop on “**The Future of Wind Power: Innovations & Research Challenges**” (FWPIRC ‘13) during 22<sup>nd</sup> & 23<sup>rd</sup> of March 2013, Karunya University, Coimbatore – 641 114.
2. Organized ‘**Colloquium on Research Practices**’ on 8<sup>th</sup> April 2017 at Karunya University, Coimbatore – 641 114
3. Organized a Two-Day International Workshop on “**Power System Dynamics & Renewable Integration**” on 11<sup>th</sup> & 12<sup>th</sup> August 2017 at Karunya University, Coimbatore – 641 114.
4. Organized Poster Presentation for faculty members on 29<sup>th</sup> September 2017
5. Organized Colloquium on Research Practices in April 2017, April 2018.
6. Organized One Day International Workshop on “**Power System Dynamics & Control**” on 18<sup>th</sup> August 2018 at Karunya Institute of Technology & Sciences, Coimbatore – 641 114

### LECTURES DELIVERED:

1. Delivered a one hour technical seminar on “**Wind Energy**” for EEE students of Karunya University on 3<sup>rd</sup> August 2011.
2. Delivered a one hour technical seminar on “**Wind Energy**” for EEE students on 18<sup>th</sup> January 2012

3. Delivered a one hour technical seminar on “**Data Mining Applications to Renewable Energy Technologies**” for EEE students on 24<sup>th</sup> July 2012.
4. Delivered a lecture on “**Wind Resource Assessment & Forecasting**”, in the MNRE sponsored Two Days National Level Workshop on “The Future of Wind Power: Innovations & Research Challenges” (FWPIRC ‘13) during 22<sup>nd</sup> & 23<sup>rd</sup> of March 2013 at Karunya University, Coimbatore.
5. Delivered a lecture on “**Experimental Setup on Remote Weather Station and other Equipments**” in the National Workshop on “Opportunities in Green Engineering” – NOGE 2013, on 6<sup>th</sup> March 2013 at Karunya University, Coimbatore.
6. Delivered a lecture (on Skype) titled, ‘**Why Publish in top Impact Factor Journals?**’ in the Colloquium on Research Practices conducted by Karunya University on 27<sup>th</sup> February 2016.
7. Delivered a lecture on ‘**Compressed Sensing in Smart Grid**’, in the TEQIP-II Center of Excellence – Alternate Energy Research sponsored One Week Faculty Development Programme on “Smart Grid & Smart City”, conducted at Government College of Technology, Coimbatore on 13<sup>th</sup> November 2016.
8. Delivered a lecture on “**Measurement and Scaling**” in the Research Methodology course for the research scholars of Karunya University on 16<sup>th</sup> September 2017.
9. Handled session on “Simulation of Wind Energy Conversion Systems” for the Certificate Course on “**Computer Simulation of Electrical Systems**”, conducted during the odd semester 2016-17 at Karunya University.
10. Delivered a special lecture on “**Predictive Analytics in Smart Grid**” in AICTE sponsored Two Day Seminar on “Smart Grid and Cyber Security” conducted at Government College of Technology, Coimbatore on 7<sup>th</sup> December 2017.
11. Delivered the Key Note Address on “**Predictive Analytics**” in the AICTE Sponsored 3rd International Conference on INNOVATIONS IN POWER ELECTRONICS CONTROL AND SYSTEMS (IPECS 2017), organized by the Dept. of EEE, MAM College of Engineering, Tiruchirapalli during 18-19 December 2017.
12. Delivered a lecture on ‘**Wireless Sensor Networks based Instrumentation and Control**’ in TEQIP-III sponsored One Week Faculty Development Programme on “Secured Communication for Instrumentation and Control” conducted at Government College of Technology, Coimbatore on 17<sup>th</sup> May 2018.
13. Delivered a lecture on ‘**Research: A Way of Thinking**’ in the Research Methodology Workshop at Karunya Institute of Technology & Sciences on 7<sup>th</sup> September 2018

#### **WORKSHOPS ATTENDED:**

1. Attended a Faculty Development Programme on “**Conquering Inhibitions and Creativity in Teaching**”, organized by Karunya Institute of Technology, Coimbatore, during 14<sup>th</sup> & 15<sup>th</sup> June, 2004.

2. Attended a **Faculty Training Programme**, organized by Karunya University, Coimbatore, during 12<sup>th</sup>-16<sup>th</sup> November, 2007.
3. Attended a One Day Workshop on “**Data Mining using PASW Modeler**” organized by SPSS South Asia and Department of Computer Application, National Institute of Technology, Tiruchirapalli on 24<sup>th</sup> August 2009.
4. Attended a Faculty Development Programme on “**Data Mining Using PolyAnalyst and MATLAB**”, organized by Department of Computer Applications, Karunya University, Coimbatore, during 29<sup>th</sup> – 30<sup>th</sup> September 2009.
5. Attended a UGC Sponsored “**Capacity Building of Women Manager in Higher Education – Sensitivity/ Awareness/ Motivation Workshop**”, organized by Avinashilingam University for Women, Coimbatore 641 043, during 14<sup>th</sup> – 18<sup>th</sup> December 2009.
6. Attended a Faculty Development Programme on “**Natural Computation in Engineering**”, organized by IEEE Madras Section at Velammal Engineering College, Chennai, during 6<sup>th</sup>-7<sup>th</sup> February 2010.
7. Attended a “**Three Day Intensive Training Programme on LABVIEW**”, organized by the Department of EEE, Karunya University, Coimbatore- 641 114 in collaboration with National Instruments, Bangalore – 560103 during 25<sup>th</sup> – 27<sup>th</sup> February 2010.
8. Attended a One day Workshop on “**Green Energy Technologies**”, organized by Energy Cell, Department of Electrical & Electronics Engineering, Dr. Mahalingam College of Engineering and Technology, Pollachi – 642 003 on 20<sup>th</sup> August 2010.
9. Attended a Three Day Workshop on “**Power Electronics in Green Engineering**”, organized by the Department of EEE, School of Electrical Sciences, Karunya University, Coimbatore, during 25<sup>th</sup>-27<sup>th</sup> August 2010.
10. Attended a One Day Pre-Conference Tutorial on “**Wind Energy Systems – Modeling and Design**”, organized by Department of Electrical & Electronics Engineering, Coimbatore Institute of Technology, Coimbatore, jointly with Oklahoma State University, Stillwater, USA, on 11<sup>th</sup> February 2011.
11. Attended a One Day Workshop on “**Pattern Recognition and Data Mining with WEKA**”, organized by the Department of Information Technology, Dr. Mahalingam College of Engineering & Technology, Pollachi – 642 003 on 26<sup>th</sup> March 2011.
12. Attended a National Level Workshop on “**Wind Energy Systems**”, conducted by the Department of Electrical & Electronics Engineering, PSG College of Technology, Coimbatore – 641 004, during 12<sup>th</sup> & 13<sup>th</sup> of August 2011.
13. Attended Faculty Development Programme on “**Intelligent Control Using MATLAB**” organized by a IEEE Madras Section at Kumaraguru College of Technology, Coimbatore during 16<sup>th</sup> & 17<sup>th</sup> of December 2011.
14. Attended a “**Two days Training Programme on PSIM Software**” at Karunya University during 16<sup>th</sup> & 17<sup>th</sup> of January 2012.

15. Attended the **3<sup>rd</sup> International Wind Conference and Exhibition** (WE20 by 2020) organized by Indian Wind Power Association and World Wind Energy Association on 6<sup>th</sup> and 7<sup>th</sup> February 2012 at Codissia Trade Fair Complex, Coimbatore.
16. Attended “**Two day National Workshop on Real Time Applications in Electrical Engineering using LabVIEW**” organized by the Department of Electrical and Electronics Engineering, Karunya University, Coimbatore – 641 114, in collaboration with National Instruments, Bangalore – 560 103, during 23<sup>rd</sup> and 24<sup>th</sup> of February 2012.
17. Attended a National Level Seminar on “**Research Challenges of Renewable Energy in Smart Grid**”, organized by the Department of Electrical and Electronics Engineering, Karunya University, Coimbatore – 641 114, during 13<sup>th</sup> and 14<sup>th</sup> of September 2012.
18. Attended the **REENERGY, COIMBATORE 2013 SEMINAR**, Conference & Expo on Renewable Energy, held at CODISSIA Trade Fair Complex, Coimbatore on January 24<sup>th</sup> and 25<sup>th</sup> 2013.
19. Attended “**Latex Workshop**” offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt of India on 6<sup>th</sup> May 2013, at Karunya University, Coimbatore.
20. Attended “**Workshop on SPSS**”, conducted by Department of Mathematics, School of Science and Humanities at Karunya University, Coimbatore.
21. Attended a National Level Workshop on “**Role of Power Electronics Converters for Renewable Energy Sources**”, organized by the Department of Electrical and Electronics Engineering, Karunya University, Coimbatore – 641 114, during 7<sup>th</sup> & 8<sup>th</sup> August 2014.
22. Attended a National Workshop on ‘**Emerging Smart Grid Technologies and Research Directions**’, organized by Department of EEE, Amrita School of Engineering, Coimbatore, Amrita Vishwa Vidyapeetham, India, during 16<sup>th</sup> – 18<sup>th</sup> April 2015.
23. Attended a Faculty Development Workshop on “**Effective Teaching Learning Methodology for Engineers**”, organized by the Department of Electrical Technology, Karunya University, Coimbatore – 641 114 on 23<sup>rd</sup> June 2016
24. Attended a National Level Workshop on “**Evolutionary Computing & Biologically Inspired Algorithms using MATLAB**”, organized by the Department of Electronics & Communication Engineering, PSG College of Technology, Coimbatore – 641 004, during 18<sup>th</sup> & 19<sup>th</sup> of August 2016.
25. Attended a Faculty Development Program entitled, “**Lecture Capturing**”, organized by Karunya Competency Development Center, Karunya University, on 23<sup>rd</sup> August 2016.
26. Attended a National Level One Day Workshop on “**Wind Tunnel Testing: Measurement and Flow Visualization Techniques**”, conducted by the Department of Aerospace Engineering, Karunya University, Coimbatore- 641 114 on 14<sup>th</sup> October 2016.

27. Attended a National Workshop on “**Application of Graph Theory in Engineering**,” conducted by the Department of Mathematics, Karunya University, Coimbatore- 641 114 on 28<sup>th</sup> April 2017.
28. Attended a One Day “**Workshop on Intellectual Property Rights Regime in India – IPRR 17**”, organized by the IPR Cell, Karunya University on 18<sup>th</sup> September 2017.
29. Attended a one day National workshop on “**Internet of Things – Limitless Possibilities**”, organized by Department of Electrical Sciences and Alumni Affairs, Karunya Institute of Technology and Sciences, Coimbatore, on 2<sup>nd</sup> February 2018.
30. Attended a Two day National Workshop on “**Artificial Intelligence and Deep Learning**”, organized by Revert Technology, E-Summit, IIT Roorkee held at PSG College of Technology, Coimbatore – 641 004, during 23-24 June 2018.

### **PERSONAL DETAILS:**

Date of Birth	: 9 <sup>th</sup> June, 1980
Sex	: Female
Marital Status	: Married to G. Edwin Prem Kumar Blessed with 2 daughters
Address for Communication	: H2 – 603, TDI Kingsbury, Kundli, Sonapat – 131 028, Haryana
Permanent Address	: A Block, 308, Sree Daksha Sanshray Phase-II Thondamuthur Road, Coimbatore – 641 046
Interests & Hobbies	: Reading, Listening to music
Languages Known	: Tamil, English, Hindi

**(M. LYDIA)**