

KARPAGAM COLLEGE OF ENGINEERING (Autonomous)

S.F.No.758, 759, 760, Othakkal Mandapam

Coimbatore - 641032. Tamil Nadu

FACULTY PROFILE

Name	Dr. K. Ramash Kumar
Designation	Professor
Department	Electrical and Electronics Engineering
Qualification	Ph.D (Power Electronics)
Experience	14 .5Years



Publications in Journals

a) National	-
b) International	34
c) Conference	15

Books Published -

Book Name : Advanced Engineering Research and Application

Chapter 18: Design, Analysis, Simulation Study and Corroboration of Classical Controller for Negative Output KY Boost Converter

Publisher: RI publication, India.

Editor: B.S. Ajaykumar and D. Sarkar

ISBN: 978-93-84443-48-1

Book Name : Electronics and Electrical: New Findings

Chapter 1: Design and Implementation of Proportional Integral Controller for a KY Positive Output Boost Converter

Publisher: Meta Research Press, India

Editor: Rajeev Ahuja

ISBN: 978-93-87388-14-7

No. of Doctorate Students Guided: 2

Any Other Achievements

Funding Received:

Scheme: Workshop

Workshop Title: Bloom Box – The Future Energy in India

Name of the Funding Agency: Council of Scientific & Industrial Research (CSIR), Ministry of Science & Technology, Govt. of India

Amount: Rs. 20, 000

Project Title (U.G Student Project): Design and fabrication of 120Watts solar tree for LED street lighting application

Name of Funding Agency: Management, Karpagam College of Engineering, Coimbatore.

Project Status: Completed (2017-2018)

Amount: Rs. 19, 000

Editorial Board Member:

– Open Journal of Engineering Research and Technology

(link: <http://www.ojert.com/editorial%20board.aspx>)

– International Journal of Electronics Engineering (Research India Publication)

Reviewer Assignments:

– IET Power Electronics

– Elsevier (International journal of power and energy system)

– Taylor and Frances (Electric Power Component and System)

– International Journal of Power Electronics (IJPElec) Indescience Publishers

– WASET

- International Transaction on Electrical Energy System (Wiley Publisher)
- IEEE Transaction on Industrial Electronics
- IEEE Transaction on Power Electronics

MEMBERSHIPS:

- Active Member of the Institute of Electrical and Electronic Engineers (IEEE) in Power Electronics Society.
- International Association of Engineers (IAENG)
Membership Number: 192965
- Active Member of the Institute of Research Engineers and Doctors (IRED)
Membership Number: SNM10100058486
- International Society For Research and Development
Membership Number: F3140900686

Technical Talks:

- **“Industrial application for fuzzy logic control”**, ONE DAY WORKSHOP PROGRAMME, Department of Electrical and Electronics Engineering, D.M.I Engineering College, poonthamalli, Chennai. October 2009.
 - **“Matlab/Simulink in Electrical Engineering”**, One day workshop programme, Department of Electrical and Electronics Engineering, Tagore Engineering College, Chennai. August 2010.
 - **“Matlab/Simulink to Application of Electrical Engineering”**, One day workshop programme, Department of Electrical and Electronics Engineering, A.M.S.College of Engineering, Chennai. Feb. 23rd 2011.
 - **“Matlab/Simulink to Application of Electrical Engineering”**, One day workshop programme, Department of Electrical and Electronics Engineering, Dr.SJS Paul Memorial College of Engineering and Technology, Pondicherry. Jan. 30th 2012.
 - **“Introductions to Matlab/Simulink”**, Guest Lecture, Department of Electrical and Electronics Engineering, Sree Sastha Institute of Engineering and Technology, Poonamallee, Chennai, Feb. 15th 2012.
 - **“Application of Controller in various systems”**, Guest Lecture, Department of Electrical and Electronics Engineering, Sree Krishna Engineering College, Chennai, 2013.

- **Two days Workshop on "Applications of Soft Computing Techniques in Electrical Engineering using MATLAB" on October 9th and 10th 2015**, Department of Electrical and Electronics Engineering, Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh.
- **"Development of Variable Structure Controller for Contemporary DC-D Converters and Introduction to Multiple Control Structure,"**, Guest Lecture in *QIP Sponsored STC on PESCOON'16*, Department of Electrical and Electronics Engineering, Pondicherry Engineering College, Pondicherry, December 23rd, 2016.
- **"Development of Controller for DC-D Converters,"**, Guest Lecture in *CSIR Sponsored Two Days Seminar on Control Techniques and Soft Computing Mehtodologies in Power Electronics –A Recent Perspective*, Department of Electrical and Electronics Engineering, Sri Ramakrishna Institute of Technology, Coimbatore, 15th September, 2017.
- **Guest Lecturer in Two days Workshop on Design Consideration, Analysis and Fabrication Techniques for Team Griffin Rider on 15th November, 2017**, Department of Mechanical Engineering, Karpagam College Engineering, Coimbatore.
- **Resource person in Three days** FDTP on Design and development of feedback controllers for power electronics converters based systems from 23.11.2017 to 25.11.2017, Department of Electrical and Electronics Engineering, Karpagam College Engineering, Coimbatore.
- **Resource person in Three days** National Level Faculty Development Program on Application of MATLAB/Simulink to Electrical Systems from 7th December 2017 to 8th December 2017, Department of Electrical and Electronics Engineering, Bapatla Engineering College, Andhra Pradesh.
- **Resource person** in Three days National Level Workshop on MATLAB/Simulink Based Hands on Training on Power Engineering and Control Aiding Topologies from 03.01.2018 to 05.01.2018, Department of Electrical and Electronics Engineering, Karpagam College of Engineering, Coimbatore.
- **Resource person** in One day National Level Workshop on Recent Trends in Smart Electrical Drives on 20.01.2018, Department of Electrical and Electronics Engineering, Karpagam College of Engineering, Coimbatore.

Chair/Co-Chair Person (Conferences) Acted:

- Acted as Co-Chair Person, Fourth International Conference on Electrical, Electronics, Intrumentation and Computer Communication, 2017, **Department of Electronics and Instrumentation Engineering, Karpagam College of Engineering, Coimbatore.**
- Acted as Chair Person, 7th National Conference on Electronics, Intrumentation, Automation and Control on 16.03. 2018 and Computer Communication, 2017, **Department of Electronics and Instrumentation Engineering, Karpagam College of Engineering, Coimbatore.**

- Acted as Chair Person, International Conference on Electronics and Telecommunication Systems on 22.03.2018 **Department of Electronics and Telecommunication Engineering, Karpagam College of Engineering, Coimbatore.**

Co-ordinator:

- **“Design and Development of Feedback Controllers for Power Electronics Converters Based Systems”**, Three Days National Level Faculty Development Training Programme from 23.11.2017 To 25.11.2017, Department of Electrical and Electronics Engineering, Karpagam College of Engineering, Coimbatore.
- **“MATLAB/Simulink Based Hands on Training on Power Engineering and Control Aiding Topologies”** Three Days National Level Workshop 03.1.2018 To 05.1.2018, Department of Electrical and Electronics Engineering, Karpagam College of Engineering, Coimbatore.
- **Two Days International Conference on Contemporary Topics in Electrical and Electronics Engineering (ICCTEEE’18) from 27.02.2018 to 28.02.2018**, Department of Electrical and Electronics Engineering, Karpagam College of Engineering, Coimbatore.
- Center for Research and Development Laboratory, A.M.S.College of Engineering, Department of Electrical and Electronics Engineering, Avadi, Chennai-55.
- Annual Day College Magazine SP-ECSTASY 2013.
- One day Workshop MatLab/Simulink Application to Electrical Engineering on 23rd Feb. 2011, A.M.S.College of Engineering, Department of Electrical and Electronics Engineering, Avadi, Chennai-55

Programmes Organized:

- **“Inaugural Function of Electrical Association (ELECTRA)”** on Jan. 25th 2012, Department of Electrical and Electronics Engineering, Dr.SJS Paul Memorial College of Engineering and Technology, Puducherry.
- **“Matlab/Simulink to Application of Electrical Engineering”**, One day workshop programme on Jan. 30th 2012, Department of Electrical and Electronics Engineering, Dr.SJS Paul Memorial College of Engineering and Technology, Puducherry.
- **“Adaptation of Various Control Methodology for Power Electronics in Power Systems”**, One day workshop programme on July, 17th 2012, Department of Electrical and Electronics Engineering, Dr.SJS Paul Memorial College of Engineering and Technology, Puducherry.
- **“Recent Trends in Power Systems”**, One day workshop programme on March, 08th 2013, Department of Electrical and Electronics Engineering, Dr.SJS Paul Memorial College of Engineering and Technology, Puducherry.
- **“Recent Trends in Power Systems and Electrical Drives”**, One day workshop programme on March, 10th 2014, Department of Electrical and Electronics Engineering, Dr.SJS Paul Memorial College of Engineering and Technology, Puducherry.
- **“MATLAB/Simulink Training”**, One day workshop programme on February, 10th 2015, Department of Electrical and Electronics Engineering, Dr.SJS Paul Memorial College of Engineering and Technology, Puducherry.
- **“Design and Development of Feedback Controllers for Power Electronics Converters Based Systems”**, Three Days National Level Faculty Development Training Programme from 23.11.2017 To 25.11.2017, Department of Electrical and Electronics Engineering, Karpagam College of Engineering, Coimbatore.

- **“MATLAB/Simulink Based Hands on Training on Power Engineering and Control Aiding Topologies”** Three Days National Level Workshop 03.1.2018 To 05.1.2018, Department of Electrical and Electronics Engineering, Karpagam College of Engineering, Coimbatore.
- **Two Days International Conference on Contemporary Topics in Electrical and Electronics Engineering (ICCTEEE'18) from 27.02.2018 to 28.02.2018**, Department of Electrical and Electronics Engineering, Karpagam College of Engineering, Coimbatore.