

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)
Date of Joining	16.06.2017
Nature of Association	Regular
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: Competed (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 (IJElec) 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 PESCON'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.