Assistant Professor
Manakula Vinayagar Institute of
Technology, Madagadipet,
Puducherry, Pin code – 605 107.
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D.BALAJI

PROFESSIONAL OBJECTIVE:

Seeking a challenging position to utilize my skills and abilities in area of teaching and education that offers a professional growth while being resourceful, innovative and flexible.

CAREER PROFILE:

To work in an organization that is challenging and provides me with ample opportunities and aids me in professional as well as personal development and to contribute constructively to the Organization.

EDUCATIONAL QUALIFICATION:

POST GRADUATE- M.Tech

Specialization: Electrical Drives and Control
Institute: Pondicherry Engineering College, Pondicherry University.
Completed year: May-2009

UNDER GRADUATE – B.Tech

Major: Electrical and Electronics Engineering
Institute: Rajiv Gandhi College of Engg & Technology, Pondicherry University
Completed year: May- 2007

WORK EXPERIENCE: (starting from present position)

Sl.No.	Employer	Designation	Period of Service	Nature of Work
01	Manakula Vinayagar Institute Of Technology, Puducherry-605107	Assistant Professor	From June-2010 to till date	Teaching and other curricular activities
02	E.S.College of Engineering and Technology	Lecturer	From July-2009 to April -2010	Teaching and other curricular activities

TEACHING ACTIVITIES: (Subjects Taught)

(i) Under Graduate:

1. Basic Electrical and Electronics Engineering
2. Electric Circuit Analysis
3. Electrical Engineering (ECE)
4. Electrical and Electronics Engineering (MECH)
5. Energy Machines – I & II
6. Electrical Machine Design
7. Special Electrical Machines
8. Measurement and Instrumentation
9. Linear Control System
10. Solid State drives
11. Protection and Switchgear
12. Control Engineering (MECH)

(ii) Post Graduate: Nil

(ii) Laboratories handled:

1. Basic Electrical and Electronics Engineering Lab
2. Electrical Engineering Lab
3. Electrical Machines lab – I & II
4. Measurement and Control Lab
5. Power Electronics Lab

CONSULTANCY AND SPONSORED RESEARCH ACTIVITIES:

Name of the Scheme	Project Title	Duration	Amount Sanctioned	Status Completed/ Ongoing
AICTE Sponsored Two weeks FDP	Analysis and modeling of motors using FEM package [ANSYS]	18th Nov to 30th Nov 2013	5,00,000	Completed

PAPER PUBLICATIONS / PRESENTATION:

Journal/Conference	Published	Accepted	Communicated	Total
International Journal	07	-	-	07
National Journal	-	-	-	-
International Conference	01	-	-	01
National Conference	01	-	-	01

FDP/STTP/WORKSHOPS ATTENDED: 25
REVIEWER FOR THE JOURNALS: Nil
RESEARCH GUIDANCE: Nil
PROJECT GUIDANCE: 11
GUEST LECTURES DELIVERED: Nil
PROFESSIONAL MEMBERSHIP: Life Member of ISTE

ANNEXURE

FDP/STTP/WORKSHOPS ATTENDED:

- Attended two days FDP, titled "10 Attributes of High Impact Teachers" on 16-17th July 2018 conducted by ICT Academy.
- Attended one day IEEE workshop, titled "Industrial Automation Using IoT" on 7th July 2018 organized by MVIT.
- Attended three days Professional development workshop, titled "TEACH – Transform Empower and Change" on 15th June to 17th June 2017 organized by MVIT.
- Attended in CSIR Sponsored two days workshop on "Recent Trends in Hybrid Power Generation" at MIT from 31.06.2017 to 01.07.2017.
- Attended a one day FDP on "Electro Magnetic Transient Program (EMTP-RV) for power System Applications" at AMET University 22.09.2017, Chennai.
- Attended one day workshop titled "Energy conservation and its methodology" on 19th Nov 2017 organized by Puducherry HR Circle & MVIT.
- Attended ISTE one week STTP titled "Contemporary World of Electricity - Solar Energy" on 27th Nov to 1st Dec 2017 Organized by MVIT.
- Attended the ICTACT sponsored program titled "Emotional Intelligence" from 22nd Nov 2017 to 23rd Nov 2017.
- Attended the workshop on "CRIO for Renewable Energy" at Annamalai University from 2nd Dec to 3rd Dec 2017.
- Attended Two Days Workshop on "Understanding Mathematics in Engineering Perspective" at MVIT on 12-12-16 & 13-12-16.
- Attended Three Days Workshop on "Hands On Training in Applications of Power Electronics And Control Systems" at National Institute of Technology, Pondicherry on 18-05-2017 to 20-05-2017.
- Participated one day seminar on Accreditation –Norms, Standards, Implementation in Technical Education Dr.Alagumurthy, Professor, Pondicherry engineering college 4th June 2016.
- Attended AICTE QIP sponsored one week FDP on "Challenges on Insulation Reliability in Smart Grid Applications" on 23rd to 27th November 2015 at PEC, Pondicherry.
- Participated in Three days Faculty Development Program on E-Literacy Level II (Advanced Teaching Techniques) at ICTACT, Puducherry.
- Attended ISTE sponsored one day workshop on "Comprehensive Hands on Training Program Using Embedded System and Development" on 20th November 2015 at MVIT.
- Attended ISTE sponsored one day workshop on "Research and Development in Engineering Institutions" on 14th Sept 2014 at MVIT.
- Attended AICTE sponsored two days National Technical seminar on "Power Electronics Applications in Renewable Energy Sources" on 19th & 20th Dec 2013 at Mailam Engg. College.

- Attended AICTE Sponsored Two weeks FDP on "Analysis and modeling of motors using FEM package [ANSYS] on 18th Nov to 30th Nov 2013 at MVIT.
- Attended One day workshop on "National Programme on Technology Enhanced Learning" (NPTEL) on 21 Dec 2012 at MVIT.
- Attended One day workshop on "Virtual Simulation for Power Converter using MATLAB" on 6th Oct 2012 at Prist University, Puducherry.
- Attended ISTE sponsored one day workshop on "High Impact Teaching Skills" on 14th to 16th June 2010 at MVIT.
- Attended One week Mission 10X workshop on "High Impact Teaching Skills" on 18th to 22nd Oct 2010 at SMVEC.
- Attended Pre-Conference Tutorial on "Power Electronics and Wind Energy" on 19th March 2009 at SSN College of Engineering.
- Attended GAIL & ONCC sponsored Two days Workshop on "Advances in Modeling, Simulation & Control for Power Electronics Drives" from 20th to 21st Sep 2007 at PEC.

PAPER PUBLICATIONS / PRESENTATION:

- Presented a paper entitled "Linear Modeling of Switched Reluctance Motor based on Matlab/Simulink & SRDas Environment" at National Conference on Recent Trends in Power Energy and Communication Engineering "RTPECE'10" held on 10th April 2010.
- Published a journal entitled "Speed Regulation of Switched Reluctance Motor" at International journal of advanced research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) on May 2014.
- Published a journal entitled "Analysis of cuk convertor for power factor application" at International Journal of Engineering Research & Technology (IJERT) on May 2014.
- Published a journal entitled "THD Analysis Of Different Cascaded Multilevel Inverter Topologies With Dc Measurement Algorithm For Drive Applications," International Journal of Research in Engineering and Technology, vol-05,iss-5, April-2016.
- Published a journal entitled "Gradient Descent Algorithm Based Harmonic Elimination for Ac to Ac Converter," International Journal of Applied Engineering Research, vol-10, no.51, June-2015.
- Published a journal entitled ,"Linear Modeling Of Switched Reluctance Motor Based On Matlab/Simulink and SRDAS Environment" International Journal of Mechanical Engineering & Technology (IJMET), Scopus Indexed Journal, Volume 08, Issue 5, May 2017.

- Published a journal entitled, "Comparative Analysis of Facts Controller For IG Based Wind Farms in Grid Connected System" International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume VI, Issue VI, June 2017 | ISSN 2278-2540.

- Published a journal entitled, "High Torque to Weight Ratio and Cost Estimation of Cage Induction Motor with Finite Element Method for Hybrid Vehicle" International Conference on Innovative Research in Electrical Sciences. (IICIRES-2017), June 2017.

PROJECT GUIDED FOR UNDER GRADUATE STUDENTS

- A Quasi-Z-Source Direct Matrix Converter Based On Induction Motor Adjustable Speed Drive
- Minimization Of Dc Component In Transformer less Three Phase Grid Connected Photovoltaic Inverter
- Analysis of 3Φ SPWM control strategies for VSI using DSPIC microcontroller
- Implementation of Distributed power flow controller (DPFC) to power quality improvement
- Solar stove
- Design and analysis of solar fed super-lift luo converter fed to BLDC motor