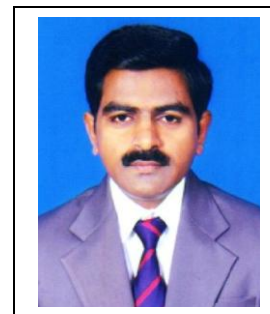


DATA SHEET



Name of the faculty : **Dr.S.TITUS**
Designation : **Professor & Head**
Department : **Electrical and Electronics Engineering**
Educational Qualification :

Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University
B.E	Electrical and Electronics Engineering	1997	Sathyabama Engineering College	University of Madras
M.E	Power Electronics and Drives	2001	Shanmuga Engineering College	Bharathidhasan University
Ph.D.	Power System	2009	Government College of Technology	Anna University

Academic Experience :

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Kumaraguru College of Technology.	Lecturer, Senior Lecturer	03.06.2002	31.03.2010	7	9	0
M.A.M. College of Engineering	Professor & Head	01.04.2010	Till Date	5	7	
			Total	13	4	

Industrial Experience :

Name of the Organization	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
CMTES Informatics Ltd., Trichy	Hardware Engineer	Maintenance	May 1997	July 2000	3	2	
Total					3	2	

Memberships: Technical

S.No	Description
1.	Life Member of Indian Society for Technical Education (ISTE)
2.	Member of Institute of Electrical and Electronics Engineering(IEEE)
3.	Member of Institute of Engineers (MIE)

Recognitions Awards / Titles:

S.No	Description
1.	Best Project Award for “Tracking of Baggage in airports using Radio Frequency Identification” during 2004 – 2005 in Kumaraguru College of Technology.
2.	Certificate of Appreciation, in reorganization of tireless pursuit of excellence and outstanding commitment to Pre-Republic day parade camp 2010 held at M.A.M. College of Engineering, between 11 th -20 th of Oct 2010. Govt of India, Ministry of Youth affairs and Sports, NSS Regional Centre, Chennai, 19/10/2010.
3.	Certificate of Appreciation, in reorganization of tireless pursuit of excellence and outstanding commitment to Training camp for Senior & Junior wing Girls NCC 2011 held at M.A.M. College of Engineering, between 08 th -17 th of Jan 2011. 4 (TN) Girls BN NCC, Trichirappalli-12.
4.	Certificate of Appreciation, for given guest lecture in AICTE sponsored staff development programme held on 25 th May 2011 at M.A.M College of Engineering, Trichirappalli-12.

Title of Ph.D. Thesis

:

S.No	Description
1.	Soft Computing Techniques for Hydrothermal Coordination Problem using Prohibited operating Zones

National Seminars, Workshops. Conferences Status Attended

S.No	Description
1.	Attended a Faculty Development Program organized by Career Development Academy, Kumaraguru College of Technology, Coimbatore on 4 th Feb 2004.
2.	Attended a one day workshop on “Bio-Medical Application of Mechatronics” organized by Dept of Mechatronics, Kumaraguru College of Technology, Coimbatore on 5 th March 2004.
3.	Attended a AICTE / ISTE Sponsored Two Weeks STTP Program on “Modern Aspects of DSP and Embedded Control” organized by Dept of EEE, Kumaraguru College of Technology, Coimbatore during 17- 29 th May 2004.
4.	Attended a one day workshop on “SRM Drives and Special Machines” organized by Dept of EEE, Kumaraguru College of Technology, Coimbatore on 27 th August 2005.
5.	Attended a staff Development Programme on “Orientation of Teachers in the area of DSP Applications” organized by Dept of EEE, Kumaraguru College of Technology, Coimbatore during 6 th to 19 th Nov 2005.
6.	Attended a Two-day workshop on “Intelligent Technologies in Bio-Medical Instrumentation” organized by Dept of EEE, Kumaraguru College of Technology, Coimbatore 17 th – 18 th Feb 2006.
7.	Attended a Two day workshop on “Embedded System Design Applications in Industry” organized by Dept of EEE, Kumaraguru College of Technology, Coimbatore on 25 th -26 th August 2006.
8.	Attended a National Seminar on “Power Quality and EMI Issues in Power Systems” organized by Dept of EEE, Kumaraguru College of Technology, Coimbatore on 21 st January 2006.
9.	Attended a AICTE Sponsored National level three day Entrepreneurship Development Training Programme on “Design and Development of Embedded Systems for Industry Applications” organized by Dept of EEE, Kumaraguru College of Technology, Coimbatore during 1 st - 3rd Feb 2007.
10.	Attended a National level one day Training Programme on “VLSI Design Flow and its Applications” organized by Dept of EEE, Kumaraguru College of Technology, Coimbatore 4 th October 2008.
11.	Attended One week Training programme on “Mission 10X-Teaching Skills” organized by Wipro Technologies, Bangalore, in M.A.M College of Engineering, Trichy, from 19 th to 23 rd July 2010.
12.	Attended Two day workshop on “Mission-10X Learning Approach Practitioners Certificate” organized by Wipro Technologies, Bangalore, in M.A.M College of Engineering, Trichy, during 8 th & 9 th October 2010.
13.	Attended Two Weeks AICTE sponsored Staff Development Programme on “Advanced Control Techniques in Power Electronics Drives and Controls” in M.A.M College of Engineering, Trichy, during 16 th to 29 th May 2011.

14.	Attended One Week AICTE sponsored Quality Improvement Programme (QIP) on “Operation and Management of Emerging Power Systems” from 21 st to 25 th November 2011 at IIT Kanpur.
15.	Attended 10-day ISTEworkshop on Solar Photovoltaics: Fundamentals, Technologies and Applications. Conducted under the National Mission on Education through ICT (MHRD, Govt. of India) and Ministry of New and Renewable Energy. NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI is one of the 35 Remote centres of IIT Bombay, spread all over India involved in conducting this workshop, from 12 th Dec to 22 nd December 2011.
16.	Attended Three day Trainingprogramme on NI Lab View Core-1 course from 4 th to 6 th December 2013. At M.A.M College of Engineering Tiruchirappalli.
17.	Attended Two Weeks AICTE sponsored Staff Development Programme on “Role of Power Electronics in Restructuring of Power System and Management” at M.A.M College of Engineering, Trichy, from 04 th to 17 th November 2013.
18.	Attended Two Weeks AICTE sponsored Staff Development Programme on “Role of Power Electronics in Future Power System” at M.A.M College of Engineering, Trichy, from 06 th to 19 th May 2013.
19.	Attended 4-days leadership workshop for Heads of the department from 18 th to 21 st August 2015 at Bangalore, conducted by MISSION-10X, WiproTechnologies Bangalore.

National Seminars, Workshops. Conferences Status Presented

S.No	Description
1.	S.Titus et, al “A High frequency energy efficient single phase wet type open well submersible monoset motor-pump system using efficient controller” national conference on power conversion and industrial control, NSS college of engineering palaghat, January 2003. Conference proceedings.
2.	S.Titus et, al “Fuzzy logic based drive for single phase monoset pump with energy efficient operation” conference on Recent trends in industrial electronics, drives and controls, march 22-23, 2003, Annamalai university. Conference proceedings.
3.	S.Titus et, al “An Accurate fast response PC based weld monitoring system for industrial application” conference on Recent trends in industrial electronics, drives and controls, march 22-23, 2003, Annamalai university. Conference proceedings.
4.	S.Titus, T.M Kameswaran “To improve the performance of power generation of wind mill farms” July 15 th to 17 th 2004, national conference on Energy management to meet the challenges of energy requirements, Kumaraguru College of technology, Coimbatore. Conference proceedings.

5.	S.Titus, A. Ebenezer Jeyakumar “Optimal Load Shedding using Fuzzy Logic in an Integrated Grid” NCEIS 2005, 9 th & 10 th March 2005, Government College of technology, Coimbatore 13. Conference proceedings.
6.	S.Titus et, al “Response of AGC to a fuzzy controller in an Inter-connected system after deregulation” in Academic open Internet Journal.
7.	S. Titus and S.P. Suresh Kumar “Design of an Energy efficient low power Wind Turbine system” INCOT 07, Karunya University, Coimbatore, 31 st March 2007
8.	S.Titus and T. Madhankumar “Direct Torque control of induction motor with torque ripple minimization using fuzzy logic control” PSNA Engineering College, January 2008.
9.	S.Titus and A.Gowri Shankar “A General PWM Strategy for Four-Switch Three Phase Inverter” NCACCA-09 at KSR College of Technology, April 2009.
10.	S.Titus and S.Edwin Jose “Modified Wavelet Transform Combined Neural Network for detection and classification of power quality disturbance” IPECS-2011, 18 th & 19 th March 2011.
11.	S.Titus and G.Anbalagan “Green Power Zone” in Innovations in power Electronics Controls and Systems, conference proceedings, pp-378- 383-IPECS-2011, 18 th & 19 th March 2011.
12.	S.Titus and N.Sivasankar, ” Simulation of Switched-Capacitor Structure for Transformer less DC–DC Buck-Boost converters” International conference on Advances in Engineering and Technology, E. G. S. Pillay Engineering College, Nagapattinam, proceedings, 27 th & 28 th May 2011.
13.	S.Titus and Nishanth, “Frequency Control Scheme Using Integrated Grid Inverter for Wind Mill Applications” conference proceedings, pp-49- 53-IPECS-2012, 16 th & 17 th March 2012.
14.	S.Titus and Vinoth Babu, “Power System Stability Enhancement under Three Phase Fault with FACTS Devices TCSC, STATCOM and UPFC” conference proceedings, pp-36-44-IPECS-2012, 16 th & 17 th March 2012.
15.	S.Titus and S.Edwin Jose, “Classification of Power Quality Disturbance Using Combined Adaptive Decomposition Structure and Neural Network” conference proceedings, pp-98-105-IPECS-2012, 16 th & 17 th March 2012.
16.	S.Titus and N.Rajalakshmi, “New Zero Current Transition PWM DC/DC Converter without Current Stress” IEEE-International Conference on Advances in Engineering, Science and Management (ICAESM-2012),IEEEExplore, 30 th and 31 st March 2012, pp-566-570.
17.	S.Titus and S.Edwin Jose, “Detection and Recognition of Power Quality Disturbances Using Lifting Wavelet Transform” International Conference Engineering and Applied science (EAS 2012), 27 th -29 th December 2012, Colombo, Sri Lanka, pp. 35-41.
18.	S.Titus and Pandiyan, “Reliability Issues on Grid Connected Wind Energy System” International Conference on Renewable Energy Utilization (ICREU-2014), January 08-10, 2014, pp.
19.	S.Titus and Ramprakash, “Performance Evaluation of Nine-level modified cascaded symmetric inverter with different PWM techniques” International Conference on Electrical Information and Communication Technology, (ICEICT-2015), 6 th & 7 th March 2015.

Publications (Technical)

S.No	Description
1.	Titus S., and Ebenezer Jeyakumar A., (2007), “Hydrothermal scheduling using an improved particle swarm optimization technique considering prohibited operating zones”, International Journal of Soft Computing, Medwell Journals., Vol. 2, No. 2, pp. 313-319.
2.	Titus S., and Ebenezer Jeyakumar A., (2008a), “A Hybrid EP-PSO-SQP algorithm for dynamic dispatch considering prohibited operating zones”, Electric Power Components and Systems., (Taylor and Francis), Vol. 36, No. 5, pp. 449-467.
3.	Titus S., and Ebenezer Jeyakumar A., (2008b), “Simulated Annealing based hybrid optimization approach for unit commitment problem considering prohibited operating zones”, in InSINET Journal.
4.	Titus S., Victoire T. A. A., and Ebenezer Jeyakumar A., (2008c), “Dynamic dispatch considering prohibited operating zones using hybrid computational algorithms”, Paper published in the Association for the advancement of modelling and simulation techniques in enterprises (AMSE) journal, Vol 29.Issue1, No.1-2.
5.	Titus S and Edwin Jose S, (2012) “Detection and Classification of Power Quality using Adaptive Decomposition Structure and Neural Network”, European Journal of Scientific Research (EJSR), Euro Journals, Vol. 89, No. 3, Oct 2012, pp. 477-489.
6.	Titus S and Nishanth, “Frequency Control Scheme Using Integrated Grid Inverter for Wind Mill Applications” International Journal of Innovative Technology and Research (IJTR), Vol. 1, No.1, Jan 2013, pp. 074-078.
7.	Titus S and Vinoth Babu, “Power System Stability Enhancement under Three Phase Fault with FACTS Devices TCSC, STATCOM and UPFC” International Journal of Innovative Technology and Research (IJTR), Vol. 1, No.1, Jan 2013, pp. 066-073.
8.	Titus S and Vinoth Babu, “Power System Stability Enhancement under Three Phase Fault with FACTS Devices” International Journal of Scientific and Research Publications, Volume 3, Issue 3, March 2013, pp. 01-06. ISSN 2250-3153.
9.	Titus S and Nishanth, “Frequency Control Scheme Using Integrated Grid Inverter for Wind Mill Applications” International Journal of Scientific and Research Publications, Volume 3, Issue 3, March 2013, pp. 01-05, ISSN 2250-3153.
10.	Titus S and Anand, “Analysis of Depth Based Routing Protocols in Under Water Sensor Networks” International Review on Computers and software (IREOCS) , Volume. 8, No.10, October 2013, pp.2389-2402.
11.	Titus S and Pandiyan R, “Intelligent control systems to improve the performance of PMDC Motor Drives” published in the Association for the advancement of modelling and simulation techniques in enterprises (AMSE) journal Vol.69, No.01, July 2014, pp.69-84.

Research Grants Received / Granting Authority / Purpose

S.No	Description
1.	PC Based Anemometer for measuring Wind Velocity, sponsored by Kumaraguru College of Technology, sum of rupees 45,000 /-.
2.	Erection and Commissioning of 5kw wind mill aero generator in Kumaraguru College of Technology Coimbatore, sponsored by Kumaraguru College of Technology, sum of rupees 3, 80,800 /-.
3.	Design of Small Wind Turbine System for Rural Application, Sponsored by RuTag – Chennai, sum of rupees 1, 00,000 Rs/-.
4.	Analysis and Fabrication of Electromagnetic Braking for small wind turbine, Sponsored by Tamil Nadu State Council for Science and Technology (TNSCST), sum of rupees 5,000/-.
5.	Design and Fabrication of Small Wind Turbine (500 Watts) for study purpose, sponsored by M.A.M College of Engineering, sum of rupees 83,200 /-.
6.	Two-Weeks AICTE-Sponsored Staff Development Programme on “Advanced Control Techniques in Power Electronics Drives and Systems” grant received from AICTE Rs. 7.0 - Lakhs.

7.	Erection of Solar Street Lightning for M.A.M Campus with 22 Watts CFL lamps for study purpose sponsored by M.A.M College of Engineering, sum of rupees 8.0-Lakhs.
8.	Two-Week AICTE-Sponsored Staff Development Programme on “Role of Power Electronics in Future Power System” Rs. 5.6 - Lakhs.(2012-2013).
9.	Fourth Two-Day National Conference on “Innovations in Power Electronics Controls and Systems” (IPECS-2013), Sponsored by Council of Scientific and Industrial Research (CSIR), New Delhi, Rs.30, 000/-.
10.	AICTE Sponsored, Modernisation and Removal Of Obsolescence Scheme (MODROBS-2013) for “Advanced Power Electronics and Drives Laboratory” Sanctioned Amount Rs. 10.85 – Lakhs.
11.	AICTE Sponsored, Modernisation and Removal Of Obsolescence Scheme (MODROBS-2013) for “Advanced Power Converter Design and Testing Laboratory” Sanctioned Amount Rs. 6.0 – Lakhs.
12.	Two-Week AICTE-Sponsored Staff Development Programme on “Role of Power Electronics in Restructuring of Power System and Management” Rs. 5.0 - Lakhs.(2013-2014).

Other Disclosures, if any: Guest Lecturers

S.No	Description
1.	Delivered lecture on “Energy Efficient Power System” during 26 th & 27 th July 2003, at Kumaraguru College of Technology, Coimbatore.
2.	Seminar on “Renewable Energy Sources” in M.A.M Polytechnic College, Siruganur, Trichy.
3.	Seminar on “Recent Trends on Renewable Energy Sources” in Rover Engineering College, perambalur.
4.	Guest Lecture on “Alternate Energy Sources-Wind Energy” in AICTE Sponsored Staff Development Programme in Advanced Control Techniques in Power Electronics Controls Drives and Systems during 16 th to 29 th May 2011. M.A.M College of Engineering, Trichy.
5.	Guest Lecture on “Reduction of CO2 Emission” 24th August 2011 in Department of Computer Science Engineering, M.A.M College of Engineering, Trichy.
6.	Guest Lecture on “Design of Small Wind Turbine” 6th August 2011 in Department of Electrical and Electronics Engineering at Syed Ammal Engineering College, Ramnad.
7.	Guest Lecture on “ Research Methodology” September 2011 in Department of Electrical and Electronics Engineering at M.A.M College of Engineering, Trichy.
8.	Guest Lecture on “Present Scenario in Electrical Power Sector-An Overview” 26 th March 2012 in Department of Electrical and Electronics Engineering at M.A.M School of Engineering, Trichy.
9.	Guest Lecture on “Innovative Research Methodology” July 2012 in Department of Electrical and Electronics Engineering at M.A.M College of Engineering, Trichy.
10.	Guest Lecture on “Hybrid Renewable Energy Sources” August 2012 in Department of Electrical and Electronics Engineering at M.A.M Polytechnic College, Trichy.
11.	Guest Lecture on “Role of Power Electronics in future Power Systems” AICTE sponsored Faculty Development Programme at M.A.M College of Engineering, Trichy, during May 2013.
12.	Guest Lecture on “Restructuring of Future Power System-An Alternate Energy Sources” AICTE sponsored Faculty Development Programme at M.A.M College of Engineering, Trichy, during May 2013.

