

Curriculum Vitae

ACADEMIC PROFILE OF Dr. G. TULASI RAM DAS

Dr. Gaddam Tulasi Ram Das

Professor of Electrical & Electronics Engineering,
Jawaharlal Nehru Technological University Hyderabad,
Kukatpally, HYDERABAD
Telangana, INDIA

And

Former Vice-Chancellor (Nov2011-Nov2014)
JNTUK Kakinada.



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Academic Qualifications:

- Ph.D., in Electrical Engineering at Indian Institute Of Technology, Madras (1996)
- M.E., in Industrial Drives and Controls at Osmania University, Hyderabad – First Class (1986)
- B.Tech., in Electrical & Electronics Engineering at JNT University Hyderabad First Class (1983)
- Intermediate, Pragathi Maha Vidyalaya, Hunuman Tekdi, Sultan Bazar, Hyderabad.
- S.S.C., Asafia High School, Mumtaz College Campus, Malakpet, Hyderabad.

Professional Experience

Teaching Experience: (30 years):

- More than **30 years**, in different areas of Electrical & Electronics Engineering in the cadres of Assistant Professor, Associate Professor and Professor.
- Taught various subjects for B.Tech. and M.Tech. Courses.
- **Professor since 1999 (16 years as Professor)**
- Associate Professor from Oct. 1992 to Oct. 1999: (7 yrs)
- Asst. Professor from Sept. 1985 to Oct. 1992: (7 yrs)

Positions Held:

Administrative Experience: (15 years):

- **Vice-Chancellor, JNTUK Kakinada**, from Nov2011 to Nov2014.
- **Chairman, ECET Committee** for 2012, 2013 and 2014.
- **Registrar**, JNTUH, Kukatpally, Hyderabad from March 2010 to Nov 2011.
- **Convener**, ECET (FDH & B.Sc., (Maths)) – 2009-10 and 2010-11 (Two times)
- **Director**, Academic and Planning, JNTUH from September 2008 to March 2010.
- **Principal**, JNTU College of Engineering, Hyderabad from June, 2004 to June, 2006.
- **Vice-Principal**, JNTU College of Engineering, Hyderabad from February, 2002 to June, 2004.
- **Head**, Dept. of Electrical & Electronics Engineering, JNTU College of Engineering, Hyderabad from November, 2000 to March, 2002.
- **Officer-in-charge** of Power Electronics, Control Engg., Machines & Drives Labs from 1986 to 2006
- **Officer in charge** of Power Electronics Control of Drives Lab 2006-2008.
- **Officer-in-charge** of both Boys and Girls Hostels from Sept., 1998-2002 (4 years)
- **Deputy Warden** for Boys Hostel from 1996 to 1998 (2 years)

Research Guidance:

- Guided **18 Ph.D.** scholars in Electrical & Electronics Engineering. **(list in Annexure-II)**
- Thesis submitted by 3 Ph.D. students for evaluation.
- Presently 6 Ph.D. students are pursuing research.
- Awarded about 55 M.Tech. theses.
- Awarded more than 100 B.Tech. projects theses.

Research Publications:

- Published **151 Research papers** in Electrical Engineering at **National and International Journals and Conferences (Details are enclosed in Annexure – I)**

Editorial Board:

- Member in Editorial Board of 3 Journals.

Books Authored and Reviewed:

- Authored Power Electronics Lab Manual for B.Tech. IV year EEE – CCC
- Reviewed 3 Text Books in the area of Power Electronics, Electrical Circuits and Drives of M/s Pearson Education and M/s Tata McGraw Hill publications.

Awards Received:

- Recipient of “**STATE TEACHER AWARD – 2009**” from Government of Andhra Pradesh, presented by Hon’ble Chief Minister Shri. K. Roshaiah.
- Recipient of “**MOTHER THERESA SHIROMANI AWARD – 2013**”
- Recipient of “**EDUCATION ACUMEN AWARD – 2007**” from International Institute of Education and Management, New Delhi
- Recipient of “**EMINENT CITIZEN OF INDIA AWARD -2006**”
- Recipient of “**JEWEL OF INDIA AWARD - 2005**”

Research Projects of AICTE/ MHRD executed (Rs. 31.5 Lakhs):

- **Research Promotion Scheme (C-Type)** of AICTE/ MHRD: “*investigation, Design and Implementation of Robust Observer Based Vector Control of AC Machines*”-a 3 year project of **Rs: 18.5 Lakhs** – Completed.
- **Research and Development Project** of AICTE/ MHRD: “*Computational & Measurement of Re-ignition and current chopping for vacuum Circuit Breaker in Industrial Motor Systems*”- a 3 year project of **Rs: 7 Lakhs** – Completed.
- **AICTE- TAPTEC project** : “*Power Electronics Converters and Applications*”-a 3 year project of **Rs:6 Lakhs- Completed**

Association with Professional bodies of International and National Repute:

- Fellow of Institution of Engineers, INDIA (**FIE**).
- Member of Institute of Electrical & Electronics Engineering, USA (**MIEEE**)
- Fellow of Institute of Electronics & Telecommunication Engineers, INDIA (**FIETE**)
- Life Member of India Society for Technical Education, New Delhi (**I S T E**)
- Life Member of Solar Energy Society of India, New Delhi (**S E S I**)

Countries visited for presenting papers in IEEE International Conferences:

- Visited **USA** in the year 2013 (Texas, Illinois, Nevada, Arizona & California)
- Visited **Europe** in the year 2012 (Sweden, Finland, France & Switzerland)
- Visited **SRILANKA** in January 2011
- Visited Kingdom of **SOUDI ARABIA** (KSA) and **UNITED ARAB EMIRATES** (UAE) in the year 2010.
- Visited **USA** in the year 2007 (Florida, New Jersey, New York, Virginia & Washington DC)
- Visited **SINGAPORE** in the year 2003 and 2006
- Visited **MALAYSIA** in the year 2003 and 2005
- Visited **THAILAND**

Research Centers visited abroad: 3

- **Sugnith Technologies**, Virginia, USA in 2007
- **Curtis Technology Research Center**, Mount Kisko, New York, USA in 2007
- **Power Electronics Research Center**, UCF, Florida, USA in 2007

Universities visited abroad: 11

- **Chicago State University**, Chicago, Illinois, USA in the year 2013
- **US Flight Academy**, Midland, Texas, USA in the year 2013
- **HEIG Institute of Higher Education**, Switzerland in the year 2012
- **Blekinge Institute of Technology**, Karlskrona, Sweden in 2012
- **Rudgers University**, New Jersey, USA in 2007
- **University of Central Florida**, Orlando, Florida, USA in 2007
- **National University of Singapore**, SINGAPORE in 2006
- **Nanyang Technological University**, SINGAPORE in the years 2003 & 2006
- **University of Technology**, Johor, MALAYSIA in 2005
- **Institute of Technology**, Mara, Kuala Lumpur, MALAYSIA in 2003
- **Asian Institute of Technology**, Bangkok, Thailand

Expert Lectures Delivered on general topics: (40+)

- “Role of Engineers in the development of New State of Telangana”
- “Outcome based Engineering Curriculum”

- “Quality of Technical Education – Issues and Challenges”
- “Personality Development & Performance Enhancement”
- “Entrepreneurship Development – Issues and Awareness”
- “Effective Teaching and Research Methodologies”
- “Attitude and Art of Living”
- “Accreditation Process – Importance, awareness and preparations”
- “Industry Institute Interactions – Issues and Challenges”
- “Curriculum Design – few aspects”
- “Leadership Qualities” for NAAC Preparedness Workshop in Nizam College

Proficiency in Technical Software:

- PSPICE
- MATLAB & SIMULINK
- ATOSEC5 & SIMNON
- PSCAD

As Vice-Chancellor of JNTUK (Nov 2011–Nov2014) – Invited Speaker for following events and on the following topics:

- On October 2012 : Topic: ***“Role of Affiliating Universities in Improving the Quality of Engineering Education”***, - Joint Planning Commission Meet organized by Ministry of HRD, New Delhi.
- On Sept 2012 : Topic: ***“Creating Innovative Models in Education and Assessments: Best Practices and Next Practices”***, - eIndia Conference held in Convention Hall, Hitex, Hyderabad.
- On 26th July 2013 : Topic: ***“Educational Reforms in JNTUK based on ICT”***, - at Chicago State University, Chicago, Illinois, USA.
- On 16th November 2013 : ***“Effective use of Technology to Boost Teaching, Learning and Assessment”***, - at Digital Learning National Conference, KNOWLEDGE EXCHANGE, GOA.
- On 21st December 2013 : ***“Innovative Partnerships: The Way Forward”***, - at Employ Ability Conclave-Sustainable Models for Talent Transformation, organized by CII, AP, held in Hotel Taj Krishna, Hyderabad.
- On 4th July 2014 : Topic : ***“Curriculum Design, teaching-learning and evaluation: an outcome based approach”***, - at National Conference on Leadership in Higher Education-organized by ESCI, Institute of Engineers(India) at Gachibowli Campus, Hyderabad.
- On 8th July 2014 : Topic : ***“Campus and Corporate: How to bridge the gap”***, - National Conference organized by Technical Wing of ABVP at JNTUA, Anantapur, AP.

- On 23rd Jan 2015 : Topic : **“Role of Engineers in the development of New State of Telangana – A focus on Electrical Power Scenario, Challenges and Opportunities”** – National Workshop organized by Chaitanya Bharati Institute of Technology, Gandipet, Hyderabad, Telangana.

Participation in Policy Making Academic and Administrative Bodies:

- Chairman, ECET (FDH & B.Sc.) Committee-2012, 2013 and 2014.
- Member, SCRO, AICTE, Hyderabad from 2013.
- Chairman, UGC Committee for spot inspection of Private Universities in the country for more than 4 Universities.(during 2012-14)
- Chairman, AICTE Committee for spot inspection of Engineering, Management and Pharmacy programmes of Private Universities in the Country for more than 2 Universities.(during 2012-14)
- Convener, ECET (FDH) 2009 and ECET (FDH & B.Sc.) – 2010
- Member & Convener, Monitoring and Development Committee of JNT University Hyderabad since March 2010
- Presently Member, Governing Council of JNTUH College of Engineering, Hyderabad (Autonomous) for the year 2010-11 and 2011-12.
- Secretary of **Standing Committee of Academic Senate**, JNTUH from 2009 to till date.
- Member of **APPGECET-07** and **08** committee of AP State Council for Higher Education, Govt. of A.P.
- **Chairman**, Board of Studies in Electrical Engineering from 2004-05, 2005-06, 2006-07 and 2007-08 in JNTU.
- Member of **Academic Senate, JNT University for the year 2003-04, 2004-05 and 2005-06**
- Principal/Executive Officer for implementation of **World Bank aid under TEQIP (2004–05 and 2005-06)**
- Member of **Internal Quality Assurance Committee of NAAC** for JNTU during 2004 – 05 and 2005-06
- **Member-Secretary**, Governing Council of JNTU College of Engg., Hyderabad during 2004-05 and 2005-06
- Member of a sub committee of A.P. Engineering colleges co-ordination committee constituted by Hon’ble Minister of Technical Education in connection with **SONET** during 2004-05
- Member in **SONET** of Government of Andhra Pradesh

- Member of **Steering Committee** for **NAAC** and responsible for getting **A Grade** for JNTU in the year 2002-03 and 2003-04.
- Member of Expert Committee of **AICTE, New Delhi**
- Member of Accreditation Committee of **NBA of AICTE, New Delhi.**
- Member of **Selection Committees** of JNT University Kakinada, JNT University Anantapur, Kakatiya, Nagarjuna, Sri Venkateswara and Osmania Universities
- Member, Board of Studies in Electrical Engineering in various Universities in Andhra Pradesh
- As **Nodal officer**, monitored the conduct of University Examinations to 47- affiliated Engineering colleges during 2004-05 and 2005-06.
- Visited about **125** private Engineering colleges in the state affiliated to JNTU as Expert member & as a squad and as an Enquiry Committee.

Achievements and Developments during my leadership as Principal (2004-06):

- Awarded **Second Position** to JNTU College of Engineering, Hyderabad among 130 World Bank aided participated Institutions in the **Country by National Project Implementation Unit (NPIU), New Delhi.**
- Awarded **First Position** to JNTU College of Engineering, Hyderabad among 12 World Bank aided participated Institutions in the **State by NPIU, New Delhi.**
- All Six Engineering Departments of the College are accredited by **National Board of Accreditation (NBA)** of AICTE, New Delhi for Five Years / Three Years in the year 2004.
- Established **24x7 unmanned Computing Centre** with 50 Engineering application software with state-of-the-art Surveillance and Biometric Attendance System in the year 2006.
- Established **Campus Networking with Fiber Optic cable (FOC)** connecting all the departments of the College in the year 2004.
- Established **5 interactive e-class rooms** in the campus with Video conferencing facility in the year 2005.
- This is the First Institution to have the **Internet Protocol Telephones (IP Phones)** connecting all the Faculty Members, created this facility in the year 2005.
- First time in the University, Stock Verification and Written off the books are made in the college Library following due procedures, during my tenure as Principal in the year 2004 and appreciated by the Central Audit Team.
- First time in the college, damaged equipment, furniture and materials are condemned and auctioned in the college as per the procedure during my tenure as Principal in the year 2005.

Participation in Academic and Administrative activities at the College Level:

- **Officer in charge** of Electric Drives Lab 2008 to 2011.
- **Officer in charge** of Power Electronics Control of Drives Lab 2006-2008.
- **Officer-in-charge** of Power Electronics, Control Engg., Machines & Drives Labs from 1986 to 2007
- A separate building for **Civil Engineering Department** has been constructed which got inaugurated by the then Governor of Andhra Pradesh **His Excellency Shri Susheel Kumar Shinde** in the year 2005.
- Modernized all the Laboratories in the College with **state-of-the-art Technology**
- Inspection Committee Member for inspecting Private Engineering colleges affiliated to JNT University for B.Tech and M.Tech. courses
- **Secretary General** of JNTUCEH Alumni Association during years 1995-2002 (7 years)
- **Officer- in-charge**, Hostels : Sept., 1998-2002 (4 years)
- Election officer for college non-teaching staff Association elections in the year 2001
- **Students Advisor & Convener**: SPANDANA '97 and '99 a cultural fest of the college (2 years)
- **General Secretary** (elected) of JNTUCE Teacher's Association during years 1995-96 & 1998-99 (2 years)
- **Election officer** for Hostel mess Secretaries's elections : 1996-97 & 97-98 (2 years)
- Boys Hostel **Deputy Warden** : 1996 to 1998 (2 years)
- **Officer in charge, Campus Electrical Maintenance – 1987 – 1990.**

Summer/Winter schools / Workshops / Seminars / Conventions conducted at JNTUH UGC-Academic Staff College: (4).

- A 3 weeks refresher course on “*Advances in Power Electronics and Electric Drives*” during 9th – 28th August, 2010 organized by the Department of Electrical and Electronics Engineering, JNTU college of Engineering, Hyderabad.
- Three day workshop on “*Vector Control of Induction motor Drive*” by Department of EEE, JNTU CE Hyderabad with Dr. G. Tulasi Ram Das as Coordinator & Dr. N. Yadaiah as Co-coordinator, 2007.
- A 3 weeks refresher course on “*Advances in Power Electronics and their Applications to Drives and Power Systems*” during 7th - 26th November, 2005 organized by Electrical and Electronics Engineering, JNTU college of Engineering, Hyderabad.
- Conducted a workshop on “*Energy Systems*” Aug 2001 organized by UGC-Academic Staff College, JNT University, Hyderabad for the first time after its inception.

Summer/Winters schools/Workshops/Seminars/Conventions attended:

In INDIA: Attended : (10)

- Core Committee Member for 16th National Power Systems Conference – NPSC 2010 on Innovations for Smart Grids held on 15th – 17th December 2010.
- Chairman, National Conference on Library Security Management in Digital Era (NCLSM – 2011) conducted by the University Library, JNT University Hyderabad held on 4th and 5th February 2011.
- National convention of young scientist organized by AP Science Academy conducted at IICT, Secunderabad, 25-26th July, 1998.
- 4 Days workshop on “Recent trends in Power Electronics” conducted by Department of Electronics & Communication Engineering, College of Engineering, Osmania University, as part of IMPACT scheme, during 22-25th Jan 1996.
- 3 Days National workshop on “Recent trends on microprocessor and its applications” held at JNTUCE, Hyderabad by department of Electrical & Electronics Engineering, 25-27th Jan. 1990.
- 2 Days workshop on “Digital Communications” by UGC at JNTUCE, Hyderabad by Department of Electrical & Electronics Engineering 5-6th July, 1990.
- 3 Days workshop on “Microprocessors and its applications to Power Systems & Electric drives at JNTUCE, Kakinada, December 1989.
- ISTE – Summer School on “Microprocessor and its applications” – 2 weeks in N.S.S. College of Engineering, Phalghat, Kerala, 1988.
- 2 Days workshop on “Teaching Methodology and Communication Skills” conducted by JNTU, 1987.
- 7 Days workshop on “Reliability Engineering” sponsored by UGC and conducted at JNTUCE, Hyderabad by department of Electrical & Electronics Engineering – 22nd – 28th Dec. 1986.

In ABROAD : International Conferences attended and presented papers. (4)

- Sixth International Power Engineering Conference (IPEC-2003) at Nanyang Technological University, Singapore, 27-29 November 2003.
- Sixth International Conference on Power Electronics and Drives Systems, Johor, Malaysia, 28th Nov – 1st Dec 2005.
- First IEEE Conference on Industrial Electronics and Applications (ICIEA-2006), Singapore, 24-26th May 2006.
- IEEE International Conference on Power Electronics and Applications, Florida, USA, June 2007.

Articles appeared in Public News papers / TV Media /National Magazine :

- Interview in two episodes telecasted in HMTV in 2014.
- Article published on ‘On-line On-mark evaluation’ in Journalists magazine in 2014.
- Interview on Engineering Education in India published in Engineering Watch Magazine in 2013.
- Article on new initiatives in JNTUK in Athidi Magazine in 2013.
- Article on ICT practices in JNTUK published in Digital Learning Magazine in 2012.
- Youngistan program in ABN Andhra Jyothi Channel in 2012.
- Biography appeared in Sakshi News paper on 30th December 2010.
- Participated in **TV5 Focus Telecast discussion program** on *Recession and its impact on employment and awareness of Alternative Career Options in the year 2008.*
- Participated in “**Prathidhvani TV program**” as one of the Expert Speakers on the topic “*Sports Quota for admissions in professional courses– Opportunities and Threats*” in 2008.
- Participated in “**Prathidhvani TV program**” as one of the Expert Speakers on the topic “*Engineering Studies-Avenues for Higher Education and Placements in India and abroad*” in 2006.
- “*How to make preparations for studies in Engineering – 10 commandments*” article published in Telugu Daily under “**Chaduvu**” heading of EENADU in 2006.
- “*How to choose the disciplines of Engineering at the time of EAMCET-05 and their higher education prospects and placement opportunities*” Article published in Telugu Daily under “**Chaduvu**” heading of EENADU in 2005.

Social Activities and Responsibility:

- Organized **Automobile- training program** to youth of Hyderabad and distributed machine tools for their lively hood
- For the **women of KPHB colony**, organized painting on cloths and pottery, saree work, etc under Entrepreneurship development program with Bank assistance awareness program for starting cottage Industry
- Organized **computer awareness** program for the house wives of Kukatpally, Hyderabad
- Contributions of fund and cloths to **TSUNAMI affected people**
- Visited slums and conducted **hygienic & health awareness** programs
- Conducted **blood donation camps** from time to time
- Conducted **clean and green** programs

- Conducted **anti-ragging** camps
- Conducted **AIDS- awareness and prevention** programs
- Conducted **tree-plantation** programs
- Conducted **water-harvesting awareness** program

Charity Works activities:

- Regularly visiting Orphanage Centers and motivating them for education and giving support and donation of books, stationary, Rice, Dal, Blankets etc. (I spent 10% of my salary for charity works and visit along with my spouse)
- Regularly visiting few identified BC Welfare Hostels and motivating them to study well and help them to achieve their ambitions.
- Regularly visiting Old-age Homes and distribute cloths, fruits and spend half-a-day with them.
- Visiting rural Government Schools to motivate students to continue their education and minimize the school dropouts.
- This charity work gave me wonderful experience, knowledge and utmost satisfaction of life, to the service of the mankind.

Subjects Taught:

At U.G. Level

- | | |
|-----------------------------------|--|
| ❖ Power Electronics | ❖ Digital Electronics |
| ❖ Thyristor Controlled Drives | ❖ Systems Engineering |
| ❖ Electro mechanics- I ,II & III | ❖ Utilization of Electrical Engg. |
| ❖ Switching Theory & Logic Design | ❖ Industrial Applications of Power Electronics |

At P.G. Level

- | | |
|--|--|
| ❖ Solid State power converters-I & II | ❖ Modern Power Electronics |
| ❖ Simulation of Electrical systems | ❖ Analysis of Power Electronics converters |
| ❖ Machine Modeling & Analysis | ❖ Dynamics of Electrical Machines |
| ❖ Power Electronics Control of D.C. Drives | ❖ Special Control of Electric Motors |
| ❖ Power Electronics Control of AC Drives | ❖ Energy Efficient Motors |

Areas of Interest:

- Power Electronics, Power Semi-conductor controlled electric drives (IM, PMSM, & BLDCM), Resonant Converters, Multilevel Converters, Flexible AC Transmission Systems (FACTS), Power Quality and Solar PV Cell Technologies, and E-waste management.

Expert for M. Tech. / Ph.D. Thesis Evaluation and Examination:

- Evaluated 5-Ph.D. theses of Osmania University and JNT University Anantapur and Kakinada
- Evaluated 76 - M.Tech. Theses of REC Warangal, O.U., JNTUCEA and JNTUCEK
 - ❖ 40 Theses of REC Warangal – M.Tech. (EMID)
 - ❖ 16 Theses of Osmania University – M.E. (IDC)
 - ❖ 20 Theses of JNTU College of Engineering, Anantapur & Kakinada– M.Tech.

Expert Lectures delivered: 60+

- On “ Evolution of Hybrid Electric Vehicles” on 24th November, 2015 for a Teqip-II workshop organized by Department of Electrical Engineering, Osmania University, Hyderabad during 23rd -28th November, 2015.
- Lecture delivered on the topic of “*Teaching Methodology and Art of Living*” on 4th June, 2011 during Faculty Development Programme conducted by Guru Nanak Engineering College, Ibrahimpatnam, RR Dist.held 02.06.2011 to 06.06.2011.
- On “ Future Control Strategies for Induction Motor Drives” for BHEL R & D, Engineers on HRD-Day, 2010 at Vikas nagar campus, Hyderabad and for Two-day National Workshop conducted by KL University, Vijayawada on 19th December, 2010.
- On “PWM Controllers and Multi level Inverters” for one day workshop organized by Department of Electrical Engineering, CSI College of Engineering, Ketti, Ooty, Tamil Nadu in the year 2009.
- On “Resonant Converter” for Two-week AICTE workshop organized by Gokaraju Ranga Raju Institute of Engineering and Technology, in the year 2009
- On “Advances in Power Electronics” for one day workshop organized by Department of Electrical Engineering, Vivekananda Institute of Technology, Karimnagar, in the year 2008.
- On “Multilevel Inverters” for two day workshop organized by Electrical Engineering Department of Dr. B.V. Raju Institute of Technology and Engineering in the year 2007.
- On “Research Methodologies”, for one day faculty development programme organized by Aurora’s Engineering College, Bhongir, in the year 2007.

- On “Advance in Power Systems” for two day faculty development programme organized by Royal College of Engineering, Chevella in the year 2007.
- On “Role of Teachers and Effective Teaching” for two day faculty development programme organized by Noor College of Engineering & Moghul College of Engineering and Technology in the year 2007.
- On “Attitude & Art of Living” for 2-weeks Entrepreneur Development Awareness Programme for Women Organized by EDC, JNTU Hyderabad in the year 2007.
- On “Energy Conservation Techniques” for one-day workshop organized by Energy Conservation Mission of Institute of Engineers at Khairatabad in the year 2006.
- On “Pulse width modulation for inverters” for 3 day workshop on Vector Control of Induction Motor during Oct.20-22,2005 organized by Electrical and Electronics Engineering, JNTU college of Engineering, Hyderabad.
- On “Space Vector Modulation for Inverters” for a 3 weeks refresher course on Advances in Power Electronics and their Applications to Drives and Power Systems during 7th - 26th November, 2005 organized by Electrical and Electronics Engineering, JNTU college of Engineering, Hyderabad.
- On “Energy Systems” Aug 2001 organized by UGC-Academic Staff College, JNT University, Hyderabad.
- On “Variable Frequency Drives” Hyderabad Industries Ltd., Sanathnagar, in June 2000.
- On “Evaluation of Control methods for Permanent Magnet Synchronous Motors” for 2-day workshop organized by IEEE Power System Society, Hyderabad chapter, during 15-16th May, 1997.
- On “Permanent Magnet Machines” for 30 days U.G.C. Sponsored winter school for working Engineering Teachers organized by Department of Electrical Engineering, Anna University, Chennai, during December 1994.
- On “Simulation and Analysis of variable frequency inverter fed induction motor drives” for 3 day workshop organized by BHEL R&D for BHEL working Engineers, at Vikas Nagar, Hyderabad during July 1992.
- On “Control of Brushless DC Motors” for AICTE sponsored short term program conducted by N I S T, Bharampur, Orissa.

Expert Lectures Delivered in JNTUH UGC-ASC:

During 2011:

- Lecture delivered on the topic of “*Personality Development & Interpersonal Skills*” on 20.01.2011 during Refresher course on STC – Effective Communication and Soft Skills for Academicians from 17.01.2011 to 22.01.2011.
- Lecture delivered on the topic of “*Personality Development*” on 01.02.2011 during Refresher course on Modern Teaching Trends in Applied Chemistry from 24.01.2011 to 15.02.2011.

- Lecture delivered on the topic of “*Teaching Methodologies*” on 09.02.2011 during Refresher course on Basic Principles and Teaching Methods in Pharmaceutical Sciences from 07.02.2011 to 01.03.2011.
- Lecture delivered on the topic of “*Teaching Methodologies*” and “*Art of Living*” on 4th and 5th March, 2011 during 19th Orientation Course held from 28.02.2011 to 30.03.2011.
- Lecture delivered on the topic of “*Research Methodology*” and “*Personality Development*” on 9th June, 2011 as part of the Research Scholars audit course as per the UGC guidelines organized by Research & Development Cell (for 280 Ph.D. Research Scholars) during 6th – 11th June, 2011
- Lecture delivered on the topic of “*Teaching Methodology and Art of Living*” on 8th June, 2011 during 3-weeks UGC Refresher Course organized by CSE department during 30th May and 18th June, 2011.

During 2010:

- Lecture delivered during Short term course on “Effective communication and Soft skills for Academicians” from 17.01.10 to 22.01.10.
- Lecture delivered during orientation course from 02.03.10 to 31.03.10.
- Lecture delivered during Refresher course on “Manufacturing Strategy” from 08.03.10 to 31.03.10.
- Lecture delivered during orientation course from 31.05.10 to 26.06.10.
- Lecture delivered on the topic of “*Art of living*” on 01.10.2010 during Refresher course on “Introduction to Nano-materials: Synthesis, Characterization and their applications” from 13.09.10 to 04.10.10.
- Lecture delivered on the topics of “*BLDC Motor*” on 25.08.10 and “*Teaching and Research Methodologies*” on 28.08.2010 during Refresher course on “Advances in Power Electronics and Electric Drives” from 09.08.10 to 28.08.10.
- Lecture delivered on the topic of “*Research Methodologies*” on 04.11.2010 during orientation course from 20.10.10 to 18.11.10.

During 2009:

- Lecture delivered during orientation course on “Value Education” from 02.11.2009 to 30.11.2009.

During 2008:

- Lecture delivered during Refresher course on “Recent Advances in Digital Processing” from 03.03.2008 to 22.03.2008.
- Lecture delivered during Refresher course on “Advances in Power Electronics and their Application to Drives and Power Systems” from 10.11.2008 to 29.11.2008.
- On “Research Methodologies” for 3-week refresher course on advanced Power Electronics and applications to Power System conducted by Department of Electrical and Electronics Engineering, JNTUH CEH, during 7th – 25th Nov, 2008 in UGC – ASC.
- On “Multilevel Inverters” for 3-week refresher course on advanced Power Electronics and applications to Power System conducted by Department of Electrical and Electronics Engineering, JNTUH CEH, during 7th – 25th Nov, 2008 in UGC – ASC.

During 2003 to 2007:

- Lecture delivered during Refresher course on “Linear and Discrete System Analysis” from 03.12.2007 to 22.12.2007.
- Lecture delivered during Refresher course on “Simulation Tools for Electrical Engineering Applications” from 05.12.2005 to 24.12.2005
- Lecture delivered during Refresher course on “Simulation Tools for Electrical Engineering Applications” from 17.1.2004 to 07.12.2004.
- Lecture delivered during Refresher course on “Simulation Tools for Electrical Engineering Applications” from 10.02.2003 to 01.03.2003.

Research Papers – (Annexure – I)

Total : 151 (IJ: 51, NJ:22, IC:49, NC: 29 =73+78 =151)

List of Papers published in National and International Journals: (Int.J:51, Nat.J:22=73).

1. *International Journal of Applied Engineering Research (IJAER)* – “Switching in over voltages due to vacuum circuit breaker in high voltage induction motor”, – Vol.2 No.3, 2007 PP 108 to 111 – **G. Tulasi Ram Das, J.Amarnath, et al,**
2. *International Journal of Engineering & Applied Sciences , Asian Research Publishing Network (ARPN),* – “Suppression of over voltages in high voltage induction motor”, – April 2007. Vol. 2 -PP 519 - 534 – **G. Tulasi Ram Das, J.Amarnath, et al,**
3. *International Journal of Engineering & Applied Sciences, Asian Research Publishing Network (ARPN),* – “ANN based control patterns estimate for UPFC used in power flow problem”, – Vol.2, No.6, pp-10-19,2007.. – **G. Tulasi Ram Das and S.Tara Kalyani.**
4. *International Journal of Applied Engineering Research (IJAER), 2008.* – “IGBT based Unified power flow controller for stabilizing AC transmission system under fault conditions” – **G. Tulasi Ram Das and S.Tara Kalyani.**
5. *World Journal of Modeling & Simulation -2008.* – “Performance analysis of UPFC connected to a network”, – **G. Tulasi Ram Das and S.Tara Kalyani.**
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List of Papers presented and published in National and International Conferences:

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1. *International Conference on Electrical, Electronics and Data Communication (ICEEDC), Chennai* - “Closed loop PI control of two & three level diode clamped multilevel inverter fed PMSM using SVPWM” - .pp187-192. 10th March 2013 (ISBN: 978-93-82702-20-7) – G.Sree Lakshmi, S.Kamakshaiah, and **G.Tulasi Ram Das**.
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41. *Sixth International Conference on Power Electronics and Drive systems, Johor, Malaysia* 28th Nov. – 1st Dec., 2005 – “An Eight-level inverter system for an Induction Motor with Open-end windings” -. – **G. Tulasi Ram Das** and K.Chandrasekhar,
42. *International Seminar and tutorials at Central Power Research Institute, Bangalore* – “Design of PI & Fuzzy control strategies for Unified Power Quality Conditioner at load side”, - 20-22nd December, 2005 – **G.Tulasi Ram Das** and A. Jayalaxmi,
43. *Sept. 2005* – “Comparison of PI and FUZZY Control Strategies of Unified Power Quality Conditioner” - PP 15 – A. Jaya Lakshmi, Dr. **G. Tulasi Ram Das**, K. Uma Rao and 4 others
44. *Fifth International R&D Conference, Central Board of Irrigation & Power,* – “Multifunction of a Unified Power Flow Controller”, - 15th -18th February 2005, Bangalore. – **G.Tulasi Ram Das** and A.Jayalaxmi,
45. *International Conference on PEITSICON 2005,* – “Unified Power Quality Conditioner for improving different power quality problems” - 28th -29th January,2005 at Calcutta. – **G.Tulasi Ram Das** and A.Jayalaxmi,
46. *Second International Conference On Emerging Technologies (ICET-2004), Kalinga University, Bhubaneswar,* – “Design and Compensation Strategy for Unified Power Quality Conditioner” - 22nd -24th Dec.'2004. – **G. Tulasi Ram Das** and A.Jayalaxmi,
47. *4th IASTED International Conference on Power & Energy Systems, Rhodes, Greece* – “Design, Control and Simulation of Unified Power Flow Controller (UPFC) using MATLAB”, - 28-30 June, 2004. – **G. Tulasi Ram Das** and A.Jayalaxmi,
48. *IEEE PES International Conference on Power Systems, in Nepal* – “Analytical Solution to Determine Nash-Cournot Equilibrium in Coupled Constraint Power Markets”, - January, 2004. – **G.Tulasi Ram Das**, R.M.Soloman Dhanraj, and Shankarappa F Kodad,
49. *6th International Power Engineering Conference (IPEC 2003) at Nanyang Technological University, Singapore* – “FACTS controllers for Improvement of Transient Stability” - 27-29 November,2003 – **G.Tulasi Ram Das** and B.V.Sanker Ram..

50. *International Conference on Modeling and Simulation, held in California, USA – “Simulation and Analysis of Resonant Converters for DC series motor” in an IASTED - February 24-26, 2003 PP 143-148 – G. Tulasi Ram Das and K.Chennakesava Reddy.*
51. *International Conference on Energy, Automation and Information Technology EAIT-2001 held at IIT, Kharaghpur – “Detection of Transmission line faults using artificial neural networks” - Dec. '01 – G. Tulasi Ram Das, A.Jayalaxmi, et al*
52. *Int. IEEE Conference on PEDES'96 in New Delhi, – “On the analysis of Permanent Magnet Synchronous Motors” - Title No. 0-7803-2795-0, PP 286-292, Vol. I, Jan 1996. – G. Tulasi Ram Das & Vedam Subrahmanyam*
53. *Int. conference (IEEE) on PEDS'95 in Singapore, – “Evaluation of Control methods for permanent Magnet Synchronous Motor Drives” - Title No. : 0-7803-2423-4/95, PP 303-308, Feb '95. – G. Tulasi Ram Das & Vedam Subrahmanyam*
54. *Emerging Trends in power Sys. Operation and Control – Design, Control and Simulation of Unified Power Flow Controller” – A. Jaya Lakshmi, K. Uma Rao, and G. Tulasi Ram Das*
55. *Power Electronics and Instrumentation Engineering – 2011 – Analysis of Static Voltage Stability Using SVC STATCOM, TCSC & UPFC – SM Padmaja, and G. Tulasi Ram Das*
56. *Communicated to POWERCON 2008 : IEEE PES Conference, New Delhi, – “Determination of Wheeling charges by cooperative Game Theory”, - October 12-15, 2008. – G.Tulasi Ram Das, R.M.Soloman Dhanraj, and Shankarappa F Kodad,*
57. *National Conference on Information & Communication Technology in Electrical Science (ICTES-07), at Dr.MGR University, Chennai, – “Contributions of FPGA to Industrial Drives – a Review”,- 20-22nd Dec., 2007. – G.Tulasi Ram Das, Sarat Kumar Sahoo, and Vedam Subrahmanyam,*
58. *National Conference on Challenges of Power Sector in 21st Century at Jabalpur, – “Transient analysis of UPFC connected to Transmission line”, - Nov.,2007. – G.Tulasi Ram Das and S.Tara Kalyani,*
59. *National Conference on Challenges of Power Sector in 21st Century, Rajasthan, November 2007 – “Transient analysis of UPFC connected to a transmission line”, pp11 to 16 – G. Tulasi Ram Das.*
60. *RACE, conference, Bikaner, – “Development of Control Patterns for Power Flow Control in UPFC installed power system”, - March 24-25, 2007, – G.Tulasi Ram Das and K.Krishnaveni,*
61. *PV Modules, National Conference on –“Practicing Solar Energy Options – A Clean Initiatives’ - (Feb 17th & 18th 2007)” - Almanac publication by ASCI in Press – G.Tulasi Ram Das.*
62. *Photovoltaic Technologies, National Conference on “Practicing Solar Energy Options- A Clean Initiative” - (Feb 17th & 18th 2007). - Almanac publication by ASCI in Press. – G.Tulasi Ram Das, T.S.Surendran, and C.S.Rao,*

63. *Power India conf. - IEEE 2006 PP 7803 – 9525 – “Comparison of PI and ANN Control Strategies of Unified Shunt Series Compensator” – A. Jaya Lakshmi, G. Tulasi Ram Das, and 2 others*
64. *14th National Power Systems Conference, IIT, Rourkee, – “Comparative Evaluation of Control Strategies of Active Power Filters”, - 27-30 December, 2006 – G.Tulasi Ram Das and A. Jayalaxmi,*
65. *IEEE Power India Conference, New Delhi – “Comparison of PI & ANN controllers for Unified Series Shunt Compensator(UPQC)”,- 10-12th April, 2006. – G.Tulasi Ram Das and A. Jayalaxmi,*
66. *Department of Electrical Engineering, JNTU College of Engineering, Anantapur – “Design and control strategy of Dynamic Voltage Restorer”, Recent Advances in Electrical Engineering (EAR-2005), - 10th December 2005. – G.Tulasi Ram Das and A.Jayalaxmi,*
67. *The 39th annual ORSI Conference at IISc, Bangalore – “An Efficient Algorithm for solving Nucleolus of the cooperative TU games”, - Dec. 27-30, 2005. – G.Tulasi Ram Das, R.M.Soloman Dhanraj, and Shankarappa F Kodad,*
68. *68th Annual Meeting of Institution of Engineers (Khairatabad) – “Analysis & Simulation of Unified Power Quality Conditioner with various control strategies”, - 29th October 2005. – G.Tulasi Ram Das and A. Jayalaxmi,*
69. *Recent Advances of Computer Applications to Electrical Engineering, IIT Rourkee, Uttar Pradesh, India. – “Comparison of PI & Fuzzy control strategies of Unified Power Quality - Conditioner”, - 28-31 September 2005, – G.Tulasi Ram Das and A.Jayalaxmi,*
70. *37th annual ORSI Conference, at IIM, Ahmedabad, – “The F-Nucleolus of the Co-operative TU games: An approach for fair allocation”, - Jan. 8-11, 2005. – G.Tulasi Ram Das, R.M.Soloman Dhanraj, and Shankarappa F Kodad,*
71. *NSC 2005 Conference - Paper No.29 – “Simulation of Neural Network based HBPWM Current Controller” – Narri Yadaiah, A. Krishna Priya and G. Tulasi Ram Das*
72. *NPSC 2004 – “Adaptive Unified Power Flow Controller for improvement of Transient Stability Performance” - Pp 902 – A. Jaya Lakshmi, Dr. G. Tulasi Ram Das, and 5 others*
73. *Twelfth National Power System Conference (NPSC-2004) held at IIT, Chennai, – “Adaptive Unified Power Flow Controller for improvement of Transient Stability Performance” - 27-30th Dec.2004. – G.Tulasi Ram Das and A.Jayalaxmi,*
74. *Department of Electrical Engineering, JNTU College of Engineering, Anantapur – “Design and Control of Power Quality using Active Power Quality Conditioner”- Recent Advances in Electrical Engineering (EAR-2004), - 4th December 2004. – G.Tulasi Ram Das and A.Jayalaxmi,*

75. CSI National Conference on Digital Convergence for Quality Education, Guru Nanak Engineering College, Hyderabad – “Fuzzy Logic Based Controller for Three-Phase Solid state VAR Compensator System”- 19-20 December,2003. – **G.Tulasi Ram Das** and B.V.Sanker Ram.
76. CSI National Conference on Digital Convergence for Quality Education, Guru Nanak Engineering College, Hyderabad – “Control Strategy for Unified Power Flow Controller” - 19-20 December,2003. – **G.Tulasi Ram Das** and B.V.Sanker Ram.
77. National Conference on Emerging Trends in Power System Operation and Control at Gayathri Vidhya Parishad College of Engineering, Vizag, – “Design control and simulation of Unified Power Flow Controller” - Dec.'2003. – **G.Tulasi Ram Das** and A.Jayalaxmi.
78. Presented in poster session conducted by **DAAD** in Delhi in Feb'93 and selected as best paper of the session and a book grant of DM500 was awarded by DAAD. – “Current Control Schemes for permanent Magnet Synchronous Motor” – **G. Tulasi Ram Das & Vedam Subrahmanyam**.

Annexure - II

List of Ph.D. Scholars Awarded: 18 Ph.D theses under my Supervision.

Sl.No.	Title of Ph.D. Thesis	Name of Candidate	Ph.D. awarded
1.	“Heuristic approaches for Redundancy (Reliability) optimization of series systems”	<i>V.Dakshinamurthy</i>	June 2001 Awarded
2.	“Computer Aided generation of Canonic Passive Networks”	<i>S. Kesavan</i>	June 2001 Awarded
3.	“Simulation and analysis of Three-element Resonant Converter for dc series motor”	<i>K. Chennakesava Reddy</i>	December 2001 Awarded
4.	“Simulation and Analysis of controllers for FACTS”	<i>B.V. Sanker Ram</i>	November,2003 Awarded
5.	“Application of FACTS Controllers for Power Quality Improvement”	<i>Smt. A.Jaya Laxmi</i>	March, 2007 Awarded
6.	“Analysis of UPFC for AC Transmission System”	<i>Smt.K. Krishna Veni</i>	17 th Octo.'2007 Awarded
7.	“Control Strategies for Multi-level Inverters for open end winding Induction Motor”	<i>K.Chandra Sekhar</i>	June, 2008 Awarded

8.	“Design and Development of Fuzzy Logic Controller based Brushless DC Motor”	<i>Smt .M. Sasikala</i>	February, 2008 Awarded
9.	“Analysis of UPFC for AC Transmission Systems under fault conditions”	<i>Smt.S.Tara Kalyani</i>	16 th April 2008 Awarded
10.	“Study of Evaluation of Different PhotoVoltaic(PV) Technologies leading to GST reduction and increased life of PV modules ”	<i>T.S.Surendran</i>	22 nd May 2008 Awarded
11.	“Analysis of Disturbances in Power System using Wavelet Transforms”	<i>M. Sushama</i>	June, 2009 Awarded
12.	“FPGA controller for Direct Torque Control of Induction Motor Drive”	<i>Sarat Kumar Sahoo</i>	Aug. 2010 Awarded
13.	“Analysis of Six Phase Induction Motor”	<i>S. Siva Prasad</i>	Jan., 2011 Awarded
14.	“High Quality Rectifiers with Reduces THD for Enhanced Mains Power Quality”	<i>B. Anantha Reddy</i>	July., 2012 Awarded
15.	“Analysis of Solid Rotor Alternator”	<i>G. Suresh Babu</i>	Jan., 2012 Awarded
16.	“ Power Flow Control using FACTS devices and Analysis of Transients with Wavelets”	<i>K. V.Pavan Kumar</i>	April. 2013 Awarded
17.	“Development of Algorithms and software to solve NP hard power system optimization problems employing deterministic optimization techniques”	<i>R. M. Saloman Danaraj</i>	Oct., 2014 Awarded
18.	“Improved Techniques for Direct Torque Control of Induction Motors”	<i>Mr. Y.S.Kishore Babu</i>	Oct.2015 Awarded

- **List of Ph.D. Students submitted thesis for evaluation; (3)**

Sl.No	Title of Ph.D. Thesis	Name of Candidate	Ph.Ds submitted for evaluation
1.	“Reactive Power Management using Multilevel Inverter through FACTS devices”	<i>Ms.S.Mohini Padmaja</i>	viva-voce scheduled in Dec’ 15.

2.	“ Performance Evaluation and Energy Management System for Hybrid Electric Vehicle”	<i>Ms.M. Lakshmi Swarupa</i>	July 2013 submitted
3.	“Analysis of Multilevel Inverter for Permanent Magnet Synchronous Motors”	<i>Ms.G.Sree Lakshmi</i>	Jan., 2014 Submitted

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