

K. SANTHOSH KUMAR

Department: Electrical & Electronics Engineering,

College: Gudlavalleru Engineering College,

PHONE: 9490238940,

MAIL: Santhosh.santu201@gmail.com

RESIDENTIAL ADDRESS:

H.NO.15-109/6/3,BRINDAVAN COLONY,BEERAMGUDA,BHEL,HYDERABAD-502032

ACADEMIC QUALIFICATIONS:

Degree/Qualification	Institution	Year of passing	Aggregate	Division
Ph.D (pursuing)	JNTUH, Hyderabad	-	-	-
M.Tech(PEID)	JNTU College of Engineering, Hyderabad	2012	85%	Distinction
B.Tech (EEE)	Sindhura College of Engg&Tech.	2006	72.51 %	Distinction
Intermediate	Suresh Junior College.	2001	88.70 %	First Class
S.S.C	Kakatiya High School	1999	87.66%	First Class

PROFESSIONAL EXPERIENCE:

Designation	Name of the Institution	Date of joining	Date of leaving
Asst.Professor	Gudlavalleru Engineering College,Gudlavalleru.	June 2012	-----
Asst.Professor	Symbiosis Inst.of Tech &Science,Shamirpet.	July 2010	April 2012
Asst.Professor	Pujya Shri Madhavanji Inst.of Tech& Science, Maheswaram.	October 2008	July 2010
IT Associate	JKC (IEG), Gachibowli.	August 2006	June 2008

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
Nil	6	8

RECENT PUBLICATIONS/CONFERENCES:

International/ National Journals	International/ National Conferences
8	8

JOURNALS:

INTERNATIONAL JOURNALS:

1. “photo voltaic Module integrated ac inverter” in i-manager’s Journal on Instrumentation & control Engineering,. volume: 6, issue: 2, page No.10-20, May **2018**, ISSN : 2321-113X
2. “Computation Technique based hybrid multi level inverter using switched capacitor units” in SS International Journal Of Multidisciplinary Research (SSIJMR) ,volume: 2, issue: 8, page No.9-18, 20th November **2015**, e-ISSN : 2395-7964
3. “Over voltage and fault current limiting in PV systems using active SFCL” in International Journal Of Scientific Engineering And Technology Research (IJSETR) ,volume: 4, issue: 42, page No.9101-9105, 20th October **2015**, ISSN : 2319-8885
4. “Simulation Of Single Phase Switched Capacitor Multilevel Inverter” in International Journal Of Electrical And Electronics Engineering (IJEED) ,volume: 4, issue: 4, page No.308, 12th November 2014, ISSN : 2319-8885
5. “A Novel High voltage Gain Interleaved Converter for PV Fed standalone System Applications” in International Journal of Electrical & Electronics Engineering (IJEED),volume: 4,issue: 5,Page No.54, ISSN: 2319-8885
6. “A Novel High Performance Asymmetric Twin Converter Based D-STATCOM Applications To Induction Drive” in International Journal Of Power System Operation And Energy Management (IJPSOEM) ,volume 4,issue 3,Page No.20, ISSN(PRINT) : 2231-4407
7. “Implementation of a New Bidirectional DC-DC Converter and its Steady State Analysis” in International Journal of Electrical & Electronics Engineering Research(IJEER), volume:3,issue:4, page No.161, ISSN(Online):2278-943X , ISSN(Print):2250-155X.

8. "Power Quality Improvement through 24 pulse Diode Bridge Rectifier in Pico Hydro Power Generation" in International Journal of Emerging Technology & Advanced Engineering (IJETAE), volume: 3, issue: 3, page No.269, ISSN 2250-2459.

CONFERENCES:

INTERNATIONAL CONFERENCES:

1. "Limiting of Over Voltage and Fault current in PV Systems using Active SFCL" in International conference on Emerging Trends in Engineering Research ISBN:978-1511885-040, June,2015, Vijayawada ,Andhra Pradesh, India.
2. "Computation Technique based hybrid multi level inverter using switched capacitor units " in International conference on Emerging Trends in Engineering Research(ICETER-2015) ISBN:978-1511885-042 , May 2015 , Chennai ,Tamil nadu, India.
3. "An Interleaved Boost Converter Integrating With Switched Capacitor And Coupled Inductor For Renewable Energy Source" in International Conference on Current Innovations in Engineering and Technology (ICCIET) , International Association Of Engineering & Technology For Skill Development, October 2014, Rajahmundry, Andhra Pradesh, India.
4. " Single Phase Single stage Switched Capacitor Multilevel Inverter" in International Conference On Advancement In Engineering And Management (ICAEM-14), 10th &11th October 2014, RISE Krishna Sai Group of Institutions, Ongole, Andhra Pradesh, India.

NATIONAL CONFERENCES:

- 1 "Simulation of DSTATCOM with PI& FUZZY based DC link Voltage Controller" in the National Conference on Emerging Trends in Power Systems (NCETPS-2013), Supported by TEQIP-II, 7th & 8th March 2013, Vasavi College of Engineering, Hyderabad, Telangana.
- 2 "Power Quality Improvement through 24 pulse Diode Bridge Rectifier in Pico Hydro Power Generation" in the National Conference on Recent Developments in Electrical Engineering (NCRDEE-2013). Supported by TEQIP-II (PAPER ID: 2013 NCRDEE 213), 15th &16th March 2013, Aditya Institute of Technology & Management (AITAM), Tekkali, Andhra pradesh.
- 3 "Harmonic Reduction In conventional Stand-Alone Power Generation" in the National Conference on Recent Trends in Power Systems and Drives-2013 (RTPSD-2013), Supported by TEQIP-II.(PAPER ID:PED 105), 24th -25th January 2013, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana.

- 4 “Analysis of Custom Power Devices Using PSCAD/EMTDC” in the First National Conference on POWER SYSTEM EMERGENCIES (NPSEC-2012). ISBN No: 978-93-5104-288-4, 12th December 2012, Sri Chandrasekharendra saraswathi viswa maha vidyalaya, Kancheepuram, Tamil Nadu.

LIST OF WORKSHOPS /SEMINARS ATTENDED:

1. Attended a Five Day Workshop on “Effective teaching & Learning of artificial Intelligence techniques for smart grid applications” during 3rd April-7th April,2018 at National Institute of technology, Warangal.
2. Attended a Two day staff training programme on “MATLAB TOOLS FOR ENGINEERS-HANDS ON EXPERIENCE” held in Gudlavalleru Engineering College, Gudlavalleru on 10th & 11th January,2017
3. Participated in a Five day workshop on “Advanced Industrial Automation Training”, at Gudlavalleru Engineering College from 14th to 18th November 2016 in Association with INDWELL Automation, Pune.
4. Attended a One Day Seminar on “RENEWABLE ENERGY RESOUECES FOR SUSTAINABLE DEVELOPMENT” on 23rd July 2016 at Gudlavalleru Engineering College.
5. Attended a One Day Seminar on “RENEWABLE ENERGY RESOUECES FOR SUSTAINABLE DEVELOPMENT” on 24th February 2016 at Gudlavalleru Engineering College.
6. Attended a Two day Workshop on “Solar Photovoltaic Technology Jobs & Internship Opportunities” on 4th & 5th February 2016 at Gudlavalleru Engineering College, Conducted By Nirvana foundation, Bangalore
7. Attended One week faculty Development Program on “Emerging Trends in Research areas of Electrical Engineering” from Dec 7th to 11th 2015 at Gudlavalleru Engineering College
8. Acted as faculty coordinator for a two day workshop on “PCB DESIGN” on 8th & 9th September 2015
9. Attended One week faculty Development Program on “ETAP Software Training and Its Applications” from 2nd June to 8th June 2015 at Gudlavalleru Engineering College.
10. Acted as Co-Convener for A two week faculty development programme on “Pedagogy on power systems & Drives” on 18th May to 30th May 2015 organized by Department of E.E.E of Gudlavalleru Engineering College
11. Attended a Two-week NMEICT Workshop on “CONTROL SYSTEMS” in association with IIT Kharagpur during 2nd -12th December, 2014 Organized by Department of Electrical & Electronics Engineering of Gudlavalleru Engineering College.

12. Attended a Four day Refresher course on “Electric Circuit Analysis” during 09th -12th June, 2014 organized by Department of E.E.E of Gudlavalleru Engineering College..
13. Attended a Five-day Workshop on “Power Electronic Applications” during 14th -18th October, 2013 Organized by Department of Electrical Engineering of NIT Warangal
14. Attended a One Week Workshop on “Training Teachers for Excellence” on 29th April - 04th May 2013 organized by Gudlavalleru Engineering College, Conducted By Dr.B.G.Barki, Former Director, NITTTR, Chennai.
15. Attended a two day complementary Training/Orientation on MATLAB, Simulink & Related Tool Boxes for Engineering Education in Gudlavalleru Engineering College on 3rd and 4th April 2013.
16. Attended a Two Day ISTE Workshop on “Aakash For Education” on 10th -11th November 2012 organized by Indian Institute Of Technology Bombay, Held under the National Mission On Education through ICT(MHRD).
17. Attended a Two Day Workshop on “Advanced Power System Protection-Hands on Experience” on 6th -7th November 2012 organized by Department of E.E.E of Gudlavalleru Engineering College.
18. Attended a Two Day National Workshop on “Emerging Trends in Control of Electric Drives” on 22nd -23rd June 2012 organized by Department of E.E.E of Gudlavalleru Engineering College

MEMBERSHIPS:

1. Associate Member of Institution of Engineers, India (IEI) (Membership No. AM165926-2)
2. Member of International Association of Engineers (**IAENG**), Hongkong (No: 124526).
3. Member of International Association of Engineering & Technology for Skill Development(IAETSD),India(Membership No.IAETSD14001440)

GUEST LECTURES DELIVERED: NIL

MEMBERSHIP IN PROFESSIONAL BODIES: IAENG, IAETSD,AMIEI

CONSULTANCY ACTIVITIES: NIL

GRANTS FETCHED: NIL