

## PROFILE of Prof. Ch. Chengaiah

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### Objectives:

- To be a part of Creative team with enthusiasm in the journey towards the development.
- Understanding the total work existing in the entrusted organization.
- Dividing the total work in to different departments with all analysis.
- Entrusting the work to each individual having skill and ability
- Thereby reaching the target with co-operation from the colleagues and thus achieving the development with all motivation and co-ordination from staff and infrastructural facilities in an innovative manner and standing in the global competition and elevating the departments at the top reaching the heights divine securing name and fame at the international level.



Being an academician and intellectual having gained sufficient experience in academic programs and administration with all sincerity, dedication, hard work and faith in the Almighty, I have crossed several milestones for reference of the authorities.

With all confidence gained as such I assure you sir, that I will discharge my duties and responsibilities to the 100% satisfaction of my authorities, if I am chosen for a remarkable development in any organization of your choice. The beneath presented details are a few of my achievements made in my career for your kind consideration.

### I. PERSONAL DETAILS:

1. Name : **Dr. Ch. Chengaiah**
2. Designation : **Professor & Head, Dean (SCDC)**
3. Date of Birth : 10-03-1972
4. Address: Dept.of EEE, S.V.U College of Engineering, S. V. University, Tirupati-517502, Chittoor (Dist) – A.P
5. Contact Phone number : 0877-2249900 (o) +919440403023 / 7013083281
- E-mail id : [chinthapudisvu@gmail.com](mailto:chinthapudisvu@gmail.com) / [chchangaiah@svuniversity.ac.in](mailto:chchangaiah@svuniversity.ac.in)

### **6. Academic Credentials**

Degree	University	Year	Field of Specialization
Ph.D	S.V. University	2013	Power Systems Operation and Control
M.E	National Institute of Technology (REC), Tiruchirappalli, (T.N).	2000	Power Systems
B.Tech	S.V. University	1999	E.E.E.

Other Degrees/Diploma	S.B.T.E & T	1994	DEEE
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## 7. Teaching Experience

Organization	Designation	Period
Bapatla Engineering College (BEC), Nagargjuna University	Lecturer	June 2001 to July 2003.
N.B.K.R.I.S.T, Vidyanagar	Assistant Professor	July 2003to July 2007
S.V.U.C.E, S.V. University	Associate Professor	3 <sup>rd</sup> July 2007to July 2013
S.V.U.C.E, S.V. University	Professor	July 2013 onwards

## 8. Research Area/ Experience

### Research areas:

Power system Operation and Control  
Power Electronics drives and Control Systems  
Renewable Energy Sources, Electric Vehicles

**No of Ph.D's . Guided : 05 (Awarded)**  
**08 (Under Progress)**  
**02 (Co-Supervisor)**

**No of M.Tech projects guided – 38**

## 9. Research and Development Project Details

S. No	Title of the Project	Sponsored Organization	Status / INR
1.	Investigation of Maximum Cell Efficiencies for Dye Sensitized Solar cells	TEQIP Phase-II	Sanctioned / 2.97 lakhs
2.	Solar PV and GPRS based led display system for Environmental monitoring, street lighting and pumping	UGC (Major Project) New Delhi	Applied/ 28.62 lakh
3.	Investigation of Maximum Cell Efficiencies for Dye Sensitized Solar cell in Photovoltaic System	UGC (Minor Project) Regional Office Hyderabad.	Applied/ 4.52 lakh

## 10. Memberships in professional bodies:

S.No	Membership Details
1.	Life member of SVUTA (Sri Venkateswara University Teachers Association)
2.	IEEE Membership (Faculty)
3.	Institution of Engineers Society member ship

## 11. Academic Excellence

Received **Best Paper Award** for the paper entitled “**Electrical Transmission System: Optimum Power Flow Assessment through Contingency**” in International Conference – CISCON 2011, organized by Manipal Institute of Technology, Manipal University, on Nov- 2011 at Manipal.

## 12. Foreign Visits:

Presented a paper on “**A novel approach for contingency ranking through voltage stability indices to assess the security in a power network**” in International Conference on “Computer Science and Systems Engineering”- (CSSE2014) at **Hong Kong** during September 21-22, 2014.

## 13. Books Published:

1. Ch.Chengaiiah & G.V.Marutheswar published a Book entitled “**Control Systems A comprehensive Lab Manual**” BS Publications, ISBN: 978-93-5230-158-4, 2017.

## 14. Administrative Experience :

1. Served as **warden** for SVUCE, **MEN’S Hostel** from Oct-2007 to April 2010.
2. Served as **In-Charge Officer Maintenance (Electrical)** SVUCE campus from 1<sup>st</sup> Aug 2011 to September 2013.
3. Appointed as **Deputy-Director** for Directorate of Admissions S.V.University, for the Period of one Year 19 March 2013 to 2014.
4. Appointed as **Liaison Officer, Special Cell** for the period of one year i.e Dec-2015 to Dec-2016 S V University Tirupati.
5. Appointed as Warden for S.V.U.C.E Boys hostel, S.V.University, Tirupati from 30-01-2019 to 01-09-2019.
6. Appointed as **Dean, Student Career Development & Counselling (SCDC)**, S.V.University, Tirupati from 03-04-2017 to till date.

## 15. Other Administrative and Academic Positions served:

1. Appointed as **Observer** for EAMCET-2011 on 22 May 2011, in Tirupati Regional Centre.
2. Appointed as a **Confidential Team Member** for JNTUH-EAMCET- 2011 from 23<sup>rd</sup> May to 01<sup>st</sup> June 2011.
3. Appointed as the **In- charge of Workshop &High Voltage Engineering Lab** by Head of the department from on **14<sup>th</sup> Oct, 2011** onwards.

4. Served as **Verification Officer** for **Paramedical Counselling** -2012, from 11<sup>th</sup> to 17<sup>th</sup> September,2012
5. Appointed as External BOS (UG&PG/EEE) Member in Yogi Vemana University, Kadapa from 2017 onwards and also Member of S.V. University BOS(UG&PG/EEE) from March 2012 onwards.
6. Appointed as a **Observer and Confidential Team Member** for **Graduate Entrance Test(APGENCO) -12**, Examinations on 12<sup>th</sup> August 2012 at Tirupati.
7. Appointed as **Procurement Committee** for **TEQIP –Phase –II**, from 5<sup>th</sup> March 2012.
8. Appointed as **Course Co-ordinator** for M. Tech Program for the year 2012-13 onwards.
9. Appointed of **Central Observer** at Hyderabad for conducting APGENCO-2013 Exam July2013.
10. Deputed as one of the **Member in NASSCOM** Programme held on 30<sup>th</sup> November 2013 at S.V.U College of Engineering.
11. Appointed as **Special Observer** for SVU-DDE (PG) Exams of 29<sup>th</sup> Sep to 01<sup>st</sup> Oct 2012 at Tekkali.
12. Appointed as **Convener** for **Exam. Committee (UG)** 1<sup>st</sup> March 2013 onwards.
13. Appointed by Honorable Vice-Chancellor as a **Dual Degree Programme Committee Member** for 6 Year Integrated B. Tech & M. Tech on April 2014.
14. Appointed as a **Department Co-ordinator** for EEE of 6 Year Integrated B. Tech & M. Tech Dual Degree Course for a period of One Year from 17-09-2014 to 16-09-2015.
15. Appointed as a **Additional Chief Superintendent** for 6 Year Dual Degree Course from 28-10-2014 onwards.
16. Appointed as **Regular Ragging Vigilance Committee Member** to prevent incidents of ragging in the SVUCE Campus in Sep 2010 onwards.
17. Appointed as a **Member of Board of Studies (BOS) for PG and PASS (UG)** for the Period of Three years i.e 29-05-2015 to 20-05-2018.
18. Appointed as a **Member of Board of Studies (BOS) for PG** for the Period of Three years i.e 23-03-2022 to 23-03-2025.

**16. Publications: 56**

**Indian Patent Publication:**

S.No	June 2021 to Jan 2022
1	<b>Dr.Ch.Chengaiah, B.Venkatesh Reddy &amp; K.Jagadeesh “An AI Based EV Battery Charging Controller with Enhanced Battery Managment”</b> with application number:202141050407 A published in Indian Patent Journal dated 19/11/2021.

**List of Papers published in National/International Journals**

S.No	January2008 to December2010
1	<b>Ch.Chengaiiah ,G.V.Marutheswar &amp; Dr. R.V.S.Satyanarayana, “Control setting of unified power flow controller through load flow calculation, <i>ARPN Journal of Engineering And Applied Sciences</i>, vol.3, no.6, Dec-2008.(I) ISSN: 1819-6608 Citation-10</b>
2	<b>Ch.Chengaiiah, G.V.Marutheswar, Dr. R.V.S.Satyanarayana, “Voltage SAG compensation using Interline Dynamic voltage restorer”, <i>inter national journal on electrical and electronics engineering</i>, vol.01, Nov 2008-jan 2009.(I)ISSN :0974-2042</b>
3	<b>N.vijaya Simha, Ch.Chengaiiah “Evaluation of Fault analysis in transmission lines using relay settings”, <i>journal of theoretical and applied information technology</i>, vol.14, no.02, April 2010.(I) ISSN:1992-8645, Impact Factor 1.71</b>
4	<b>MG Amith kumar, Ch. Chengaiiah “optimal power flow using particle Swarm optimization technique” <i>I manager’s journal on electrical engineering</i>, vol.4, no.1, July-september 2010. (N) ISSN: 0973-8835, Referred journals</b>
5	<b>B.Srikanth, Ch.Chengaiiah, “Evaluation of first Swing Stability of a large power system using UPFC”, <i>I manager’s journal on electrical engineering</i>, vol.4, no.1, July-September 2010.(N) ISSN: 0973-8835, Referred journals</b>
	<b>January2011 to December2013</b>
6	<b>Ch.Chengaiiah, R.V.S.Satyanarayana,“A comparative study of 5-bus and 14 bus system with UPFC:a power flow perspective” The IUp journal of electrical and electronics engineering, vol.Iv, NO.1, Jan 2011.(I) ISSN : 0974- 1704, Referred journals.</b>
7	<b>Ch.Chengaiiah, R.V.S.Satyanarayana“Improvement of optimal power flow and system security using Fuzzy based contingency ranking “, <i>IFRSA’S international journal of computing</i>, vol.1, issue 3, July 2011. (I) ISSN : 2231 – 2153, Referred journals</b>
8	<b>Ch.Chengaiiah and K.Mani,”Distance protection of transmission lines using WAVELET Transform” Journal of Innovation in Electronics and communiationVolume 2,Issue 2,ISSN:2249-9946, January 2012, Referred journals.</b>
9	<b>Ch.Chengaiiah, R.V.S.Satyanarayana, G.V.marutheswar,” Location of UPFC in electrical transmission system: Fuzzy contingency Ranking and optimal power flow”, <i>Inter national journal of engineering Research and development</i>, vol.1, issue: 12, July 2012.(I) ISSN : 2278 – 067X. Referred journals</b>
10	<b>Ch.Chengaiiah, “The role of economic analysis with FACTS technology: A transmission system Development”, <i>international journal of computer science information and Engg, Technologies</i>, vol.1, issue.3, April 2013.(I) ISSN : 2277 – 4408, Referred journals</b>
11	<b>Ch.Chengaiiah and I.Siva Prasad,” Performance of on Induction motor drive by in direct vector controlled method using PI and Fuzzy controllers”, <i>IJSE &amp;T-Vol-2</i>, No-3, June, 2013, pp 457-469 ISSN 2278-3687(O)., Referred journals</b>
12	<b>Ch.Chengaiiah, P.Jyoshna ,” Allocation of Transmission Losses in a Deregulated power system “Global Journal of Researchers in Engineering (GJRE) Vol.13 Issue 12 Version 1.0 September 2013, Referred journals</b>
13	<b>Ch.Chengaiiah and S.K.Zakeer Hussain ,”Voltage and Frequency Control strategy for a stand Alone Micro Grid System”, <i>IJRIET-Vol-1</i>, Issue 2,ISSN:2347-6850,pp31-36, December-2013., Referred journals</b>
	<b>January 2014 to till date</b>
14	<b>Ch.Chengaiiah and K. Venkateswaralu, “Comparative Study on DC Motor Speed Control using Various Controllers“,IJAREEIE-Vol-3, Issue 1, ISSN:2320-3765,pp 6918-6925, January-2014. Impact Factor 5.016</b>
15	<b>P.Sudheer and Ch.Chengaiiah, “Development of an Microcontroller Based Eco –</b>

	<b>Friendly Automatic Photovoltaic Irrigation System for Agriculture</b> ", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 6 (2015)., Referred journals
16	<b>B.Girish Krishna, Ch.Chengaiyah and A.Immanuel, "Differential Evolution based Optimal Power Flow in the Presence of UPFC"</b> , GJTE-vol -2, Issue 3, e-ISSN:2393-9923, March 2015., Impact Factor- 1.456
17	<b>A.Hari, Ch.Chengaiyah and A.Immanuel, "Optimal Power flow in Electrical Transmission system with FACTS Devices using Particle Swarm Optimization"</b> , GJTE-vol -2, Issue 3, e-ISSN:2393-9923, March 2015. Impact Factor- 1.456
18	<b>A.Immanuel and Ch.Chengaiyah, "Optimal Power Flow with UPFC Using Fuzzy-PSO with Non-Smooth Fuel Cost Function"</b> , IJERA-vol -5, Issue 5, ISSN:2248-9622, May 2015. Impact factor- 1.69
19	<b>A.Immanuel and Ch.Chengaiyah, "A comprehensive literature survey on recent methods of optimal power flow"</b> IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE) e-ISSN: 2278-1676, p-ISSN: 2320-3331, Volume 10, Issue 5 Ver. II (Sep – Oct. 2015), PP 01-12 , Impact factor- 1.419
20	<b>K.Niteesh Kumar and Ch.Chengaiyah, "Reducing Generation Cost in Transmission System Using Facts Devices"</b> in SSRG International Journal of Electrical and Electronics Engineering (SSRG-IJEEE) ISSN: 2348-8379, Volume 2, Issue 11 Nov. 2015.
21	<b>G RAVINDRA, CH.CHENGAIYAH, CHANDRA SEKHAR B, "Control of the Reactive power supplied by a WECS based on an Induction generator fed by a Matrix converter "</b> , The Journal of CPRI, CPRI Bangalore, ISSN No. 0973-0338, Volume 11, issue no. 3, September, 2015, Page.529-544.
22	<b>A.Immanuel and Dr.Ch.Chengaiyah, Published a paper on "A Novel Hybrid Optimization Algorithm for Optimal Power Flow with Unified Power Flow Controller"</b> , IJAERS-vol -3, Issue-6, ISSN: 2349-6495, June, 2016. SJ Impact Factor: 4.072, TRRID: P-3738-2015.
23	<b>P.Sudheer and Ch.Chengaiyah, Modelling and simulation of Hybrid transformer less grid tied Inverters for Dye-sensitized Photo-Voltaic system"</b> published in Computer science procedia ELSEVIER Journal.
24	<b>A.Immanuel and Ch.Chengaiyah, Published a paper on "An Adaptive Hybrid Optimization Algorithm for Multi-Objective Security Constrained OPF With FACTS Device"</b> , ARPN Journal of Engineering and Applied Sciences, vol. 11, no. 23, ISSN:1819-6608 December 2016.(SCOPUS Indexed)
25	<b>P.Sudheer and Ch.Chengaiyah, "Maximum Power Point Tracking algorithms for solar power System-Review"</b> , International Research Journal of Engineering and Technology ISSN 2395-0056 Volume 4, Issue 1 (January 2017).
26	<b>C.dolly Madhuri and Ch.Chengaiyah, Published a paper on "Modeling and simulation of new hybrid boosting converter for photovoltaic systems"</b> , International Journal Advanced Research Electrical, Electronics and Instrumentation Engineering ISSN 2320-3765 Volume 5, Issue 12 (December 2016)., Referred journal
27	<b>G RAVINDRA, CH.CHENGAIYAH, "Reactive Power Management In Islanded Micro grid using proportional power sharing control method"</b> , International conference on Green Power Technology In Power Grid:Issues , Challenges And Control (ICGPTPG-2016), S.V.U.COLLEGE OF ENGINEERING, S.V.UNIVERSITY, TIRUPATI, November, 2016.
28	<b>P.Sudheer &amp; Ch.Chengaiyah, Published a paper on "Hybridization of perturb and observe method using PSO and ABC for photovoltaic grid connected system"</b> International Journal of Control Theory and Applications, ISSN 0974-5572 Volume 10, Issue 6 (2017), SCOPUS Indexed Journal
29	<b>A.Immanuel ,P.Sudheer &amp; Ch.Chengaiyah Published a paper on "An advanced Power conditioning unit of power management in grid connected PV systems"</b> International Journal of Control Theory and Applications, ISSN 0974-5572 Volume 10, Issue 6 (2017), SCOPUS Indexed Journal.

30	<b>G.Ravendra Ch.Chengaiiah, “Regulation of frequency in the wind plants integrated grid by H-infinity approach “ , international IEEE conference on Energy, Communication,Data Analytics and Soft Computing (ICECDS)-2017, SKR Engineering College, Poonamalle, Tamilnadu, August, 2017, Page: 398-403.</b>
31	<b>P.V.Narendra Kumar, Dr Ch.Chengaiiah, J.V.K.Prasad, “ Issues of Unit Commitment and Load Scheduling: A Fuzzy Dynamic Programming Approach”, International Journal of Pure and Applied Mathematics (IJPAM), Vol. 114, No.9, 2017, Page No.157-165, ISSN: 1311-8080 (PRINTED Version); ISSN: 1314-3395 (On-line version), url: <a href="http://www.ijpam.eu">http://www.ijpam.eu</a></b>
32	<b>P V Narendra kumar, Ch.Chengaiiah,”Issues of unit commitment and load scheduling:A Fuzzy dynamic Programming Approach”, vol 114 No.9,Issue ISSN:1314-3395, 2017.</b>
33	<b>P.V.Narendra Kumar, Dr Ch.Chengaiiah, J.V.K.Prasad, “Estimation of Generation Cost for Multi Capacity Thermal Power Generators using MATLAB”, International Journal of Engineering Research and Development (IJERD), Vol. 14 and Issue No.5 (May Ver. I 2018), PP. 38-44. E-ISSN: 2278-067X, p-ISSN: 2278-800X, url: <a href="http://www.ijerd.com">http://www.ijerd.com</a></b>
34	<b>P.V.Narendra Kumar, Dr Ch.Chengaiiah, G.Kiran Kumar, “Cost Management of a CFBC Boiler in a Thermal Power Plant”, International Journal of Engineering and Technology(UAE),(IJET), Science Publishing Corporation, ISSN: 2227-524X, url: <a href="http://www.sciencepubco.com&gt;ijet">http://www.sciencepubco.com&gt;ijet</a></b>
35	<b>Syeda TasneemBanu, P.Jyoshna, Ch.Chengaiiah, Published a paper on” Real power Loss Minimization using Brain Storm optimization Algorithm”in Journal of Emerging Technologies and Innovative Research, Vol-5, issue 11, ISSN: 2349-5162, November 2018.</b>
	<b>Raju, V. Bala, and Ch Chengaiiah. “Hybrid Renewable Energy Grid Connected Systems: A Review” <i>International Journal of Management Technology and Engineering (IJMTE)-A PEER REVIEWED/REFERRED JOURNAL: 2018</i></b>
36	<b>M.Priyanka ,P Jyoshna Ch.Chengaiiah published a paper on “Minimization of Real Power Loss using TLBO Algorithm in Transmission Systems” in International Journal of Technical Innovation in Modern Engineering &amp; Science (IJTIMES) Impact Factor: 5.22 (SJIF-2017), e-ISSN: 2455-2585 Volume 4, Issue 12, December-2018.</b>
37.	<b>Raju, V. Bala, and Ch Chengaiiah. "Power Enhancement of Solar PV Arrays Under Partial Shading Conditions with Reconfiguration Methods." <i>2019 Innovations in Power and Advanced Computing Technologies (i-PACT)</i>. Vol. 1. IEEE, 2019.</b>
38.	<b>Raju, V. Bala, and Ch Chengaiiah. "Performance Analysis of Conventional, Hybrid and Optimal PV Array Configurations of Partially Shaded Modules." <i>International Journal of Engineering and Advanced Technology</i> 9.1 (2019): 3061-3073.</b>
39.	<b>Raju, V. Bala, and Ch Chengaiiah ”Modeling and Relative Research of Solar Photovoltaic Array Topologies under Partial Shading Conditions” <i>IJITEE -2019</i></b>
40.	<b>Raju, V. Bala, and Ch Chengaiiah <b>Performance Analysis of Conventional, Hybrid and Optimal PV Array Configurations of Partially Shaded Modules – <i>IJEAT-2019</i></b></b>
41.	<b>Kumar, PV Narendra, et al. "A Hybrid Technique for the Performance Optimization in the Combustion Process of a Power Plant Boiler: An Efficient ANNSSA Technique." <i>Distributed Generation &amp; Alternative Energy Journal</i> (2019): 75-96.</b>
42.	<b>Raju, V. Bala, and Ch Chengaiiah “Improvement of Power under Shading Conditions by Re-arrangement of Modules in Hybrid PV Array Configurations.” <i>IJAST-2020</i></b>
43.	<b>Raju, V. Bala, and Ch Chengaiiah “A Novel T-C-T Solar Photovoltaic Array Configurations using Rearrange-ment of PV Modules with Shade Dispersion Technique for Enhancing the Array Power”- <i>IJRTE:-2020</i></b>

44.	<b>Raju, V. Bala, and Ch Chengaiah</b> "Modeling and Relative Research of Solar Photovoltaic Array Topologies under Partial Shading Conditions" <i>IJITEE -2019</i>
45.	<b>BALARAJU, V., and Ch Chengaiah.</b> "A Comprehensive Study on Re-arrangement of Modules Based TCT Configurations of Partial Shaded PV Array with Shade Dispersion Method." <i>Trends in Renewable Energy</i> 6.1 (2020): 37-60.
46.	<b>BALARAJU, V., and Ch Chengaiah.</b> "Mathematical Analysis of Solar Photovoltaic Array Configurations with Partial Shaded Modules." <i>Trends in Renewable Energy</i> 6.2 (2020): 131-155.
47.	<b>Chandrareddy, E. Sarath, Ch Chengaiah</b> "A100 kw single stage grid-connected PV system with controlled DC-link voltage." <i>Materials Today: Proceedings</i> (2021).
48.	<b>BalaRaju, V., and Ch Chengaiah.</b> "Mathematical Evaluation of Solar PV Array with TCT Topology Under Different Shading Patterns." <i>Advances in Systems, Control and Automations: Select Proceedings of ETAEERE 2020.</i> Springer Singapore, 2021.
49.	<b>Raju, V. Bala, and Ch Chengaiah.</b> "Enhance the Output Power of a Shaded Solar Photovoltaic Arrays with Shade Dispersion based TCT Configuration." <i>Trends in Renewable Energy</i> 7.1 (2021): 1-23.
50.	<b>Murali, Ch, and Ch Chengaiah.</b> "Direct Torque Control for Five-Phase Squirrel Cage Induction Generator In wind energy conversion systems based on Slip Angle." <i>2021 6th International Conference on Communication and Electronics Systems (ICCES).</i> IEEE, 2021.
51.	<b>C. Murali and C. Chengaiah,</b> "Direct Torque Control for Five-Phase Squirrel Cage Induction Generator In wind energy conversion systems based on Slip Angle," <i>2021 6th International Conference on Communication and Electronics Systems (ICCES), Coimbatore, India, 2021,</i> pp. 107-110, doi: 10.1109/ICCES51350.2021.9489128
52	<b>Raju, V. Bala, and Ch Chengaiah.</b> "Performance of series-parallel and total cross tied type of solar PV array Configurations under different fault conditions" <i>Juni Khyat (UGC Care Group I Listed Journal,</i> Vol. 1. 2021
53	<b>B. Venkatesh Reddy and Dr. Ch. Chengaiah</b> "A Review of Efficient Power Converters in Electric Vehicle Charging" <i>International Journal of Mechanical Engineering (IJME – 2022)</i> ISSN: 0974-5823, vol 7, Jan 2022 ( <b>SCOPUS INDEXED</b> )
54	<b>Chandrareddy, E. Sarath, Ch Chengaiah</b> "Flexible Active Power Control Strategy for Photovoltaic System Based on Current Limiting Control Method." <i>International Journal of Innovative Technology and Exploring Engineering (IJITEE),</i> Volume 11, Issue 2 Pages 37-42.
55	<b>B. Venkatesh Reddy and Dr. Ch. Chengaiah</b> "Renewable Energy Based EV Charging Station Model and Technical Issues" in <i>Dogo Rangsang Research Journal,</i> Vol.12, Issue. 06, No 3, June 2022, Pp. 120-127. ISSN: 2347-7180. ( <b>UGC-Care List I</b> )
56	<b>Mrs. G.L.S.Sandhya and Dr. Ch. Chengaiah</b> "A Comprehensive Review On Transmission Loss Allocation Restructured Power System" <i>Journal of Emerging Technologies and Innovative Research (JETIR)</i> ISSN: 2349-5162 September 2022, Volume 9, Issue 9 pages 244-253.
57	<b>K. Jagadeesh and Dr. Ch. Chengaiah</b> "A comprehensive review - Partial shading issues in PV system" <i>AIP Conference Proceedings</i> 2640, 020030 (2022); <a href="https://doi.org/10.1063/5.0112913">https://doi.org/10.1063/5.0112913</a> Published Online: 30 September 2022.
58	<b>A Sathish Kumar, Dr. Ch. Chengaiah,</b> "Performance Analysis of PV System Under Partial Shading Conditions" <i>Journal of Emerging Technologies and Innovative Research (JETIR)</i> ISSN: 2349-5162 December 2022, Volume 9, Issue 12 pages f19-f28.
59	<b>Chekuri Murali and Chintapudi Chengaiah,</b> <b>Indirect Vector Control for Five-Phase Asynchronous Generator Using Three Level Rectifier in Wind Energy Systems,</b> "International Journal of Electrical and Electronics Research", Volume 10, Issue 4   Pages 1206-1212   e-ISSN: 2347-470X, December 2022



60	<b>S Hima Teja, Dr. Ch. Chengaiah, “MPPT FOR PV SYSTEMS BASED ON OPTIMIZATION TECHNIQUES”,</b> International Journal of Creative Research Thoughts ISSN : 2320-2882 December 2022, Volume 10, Issue 12 Pages e200-e204.
61	<b>N Anusha, Dr. Ch. Chengaiah, “PMSG Based Wind Turbine Control Using MPPT and Pitch Angle Control at Variable Speeds”</b> Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162 January 2023, Volume 10, Issue 1 pages b89-b98.
62	<b>B Venkatesh Reddy, Dr. Ch. Chengaiah, “Wind Energy fed Electric Vehicle Charger using MPPT at variable wind speed”,</b> International Journal of Engineering Research and Applications, ISSN: 2248-9622, February 2023, pp. 09-12.
63	<b>K Neelima, Dr. Ch. Chengaiah, “PV BASED EV CHARGING STATION WITH ANFIS CONTROLLER”</b> Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162 February 2023, Volume 10, Issue 2 pages c289-c296.

#### 17. Papers presented in National / International Conferences: 41

S.No	List of Paper Details
	<b>January 2008 to December 2010</b>
1.	<b>Ch.Chengaiah,</b> Presented a paper on <b>“Power Quality Improvement Using Interline Dynamic Voltage Restorer”</b> Proceedings of the National Conference on Power Electronics and Drives, June 28-29, 2008. pp 110-116.
2.	<b>Ch.Chengaiah,</b> Presented a paper on <b>“bus bar and power transformer protection in EHT substation</b> “on April 2010, organized by Vivekananda College of engineering for women, Tamilnadu
	<b>January 2011 to December 2013</b>
3.	<b>Ch.Chengaiah,</b> Presented a paper on <b>“.Electrical Transmission System: Optimum Power Flow Assessment through Contingency”</b> An International Conference – CISCON-2011, Nov 3-6 <sup>th</sup> , 2011, pp 132-137.
4.	<b>Ch.Chengaiah,</b> Presented a paper on <b>“Power Flow Assessment in Transmission Lines Using Simulink Model With UPFC”</b> An IEEE International Conference – ICCEET-2012, Mar- 21- 22 <sup>nd</sup> , 2012, pp (IEEE Explorer)
5.	<b>Ch.Chengaiah,</b> Presented a paper on <b>“Study on Effect of UPFC device in Electrical Transmission system:Power Flow Assessment”,</b> in International Conference on Electrical and electronics Engineering (ICEEE-2012) at Tirupati on 9 <sup>th</sup> June, 2012.
6.	<b>Ch.Chengaiah,</b> Presented a paper on <b>“Loss Reduction in Electrical Transmission System by Using FACTS Devices”</b> organized by L.B.R.C.E, Mylavaram. Aug 2012.
	<b>January 2014 to till date</b>
7.	<b>A.Immanuel &amp; Ch.Chengaiah,</b> Presented a paper on <b>“A novel approach for contingency ranking through voltage stability indices to assess the security in a power network”,</b> in 2014 International Conference on Computer Science and Systems engineering (CSSE-2014) in Hong Kong on September 21 <sup>st</sup> & 22 <sup>nd</sup> , 2014.
8.	<b>P.Sudheer &amp; Ch.Chengaiah,</b> Presented a paper on <b>“Development of an Microcontroller Based Eco –Friendly Automatic Photovoltaic Irrigation System for Agriculture”,</b> in International Conference on Green Technologies for Power Generation, Communication & Instrumentation (ICGPC’15) at St.Peter’s Institute of Higher Education& Research, Chennai during February 26 <sup>th</sup> & 27 <sup>th</sup> , 2015.
9.	<b>A.Immanuel &amp; Ch.Chengaiah,</b> Presented a paper on <b>“A Hybrid Optimization Technique for Optimal Power Flow in a Power Network with FACTS Device”</b> in National Conference on “Energy Security through New & Renewable Energy Resources” at S.V.U.C.E Organized by IET, Tirupati during July 27-29, 2015.
10.	<b>P.Sudheer &amp; Ch.Chengaiah,</b> Presented a paper on <b>“Performance Analysis of Photo Voltaic Systems using Different MPPT Techniques”</b> in National Conference

	on “Energy Security through New& Renewable Energy Resources” at S.V.U.C.E, Tirupati Organized by Institution of Engineers, Tirupati during July 27-29, 2015.
11.	<b>P.Sudheer &amp; Ch.Chengaiiah</b> , Presented a paper on” <b>Smart Energy Management techniques for Smart green photovoltaic technology for Smart cities in India</b> ” in Digital India workshop at NIT Trichy on 18/08/2015.
12.	<b>P.Sudheer &amp; Ch.Chengaiiah</b> , Presented a paper on” <b>Eradicating Proverty in India by sun Using Dye-sensitized Photo-Voltaic Technology</b> ” in 6 <sup>th</sup> International Seminar of Regional Network on Poverty Eradication , organized by Dept. of Economics, S.V.University Tirupati, on 13- 15 <sup>th</sup> Nov -2015.
13.	<b>A.Immanuel &amp; Ch.Chengaiiah</b> , Presented a paper on” <b>An Adaptive Hybrid Optimization Algorithm for OPF for Non-Smooth Fuel Cost Functions With Facts Device</b> ” in 2 <sup>nd</sup> International conference on emerging trends in electrical, communication and Information Technologies-2015. Organized by SRIT, Anantapuramu on 19 <sup>th</sup> -21 <sup>st</sup> December-2015.
14.	<b>C.Venkatesh and Ch.Chengaiiah</b> , “Energy Storage System in Wind Power Distribution” 6 <sup>th</sup> International Conference on “Regional Network on Poverty Eradication”, 13 <sup>th</sup> to 15 <sup>th</sup> November 2015.
15.	K.N.Dwarakanath and <b>Ch.Chengaiiah</b> , “A Noval Method For Reduction of Leakage Currents in Transformerless Grid-Tied Inverters” 6 <sup>th</sup> International Conference on “Regional Network on Poverty Eradication”, 13 <sup>th</sup> to 15 <sup>th</sup> November 2015.
16.	<b>A.Immanuel &amp; Ch.Chengaiiah</b> , Presented a paper on” <b>An Adaptive Hybrid Optimization Algorithm for Multi-Objective OPF With Facts Device</b> ” in Biennial International conference on Power & Energy Systems:Towards Sustainable Energy-PESTSE-2016, Organized by Amritha school of Engineering,Bengaluru on 21 <sup>st</sup> -23 <sup>rd</sup> January-2016.
17.	<b>P.Sudheer &amp; Ch.Chengaiiah</b> , Presented a paper on” <b>Modelling and simulation of Hybrid transformer less grid tied Inverters for Dye-sensitized Photo-Voltaic system</b> ” in ELSEVIER International conference on Computational Modelling and Security(CMS-2016), organized by R.L Jalappa Institute of Technology, Dodballapur, Banglore on 11- 13 <sup>th</sup> February -2016.
18.	<b>P.Sudheer&amp; Ch.Chengaiiah</b> , Presented a paper on “ <b>Modelling and simulation of Grid connected photovoltaic system with conventional and intelligent Maximum Power Point Tracking Techniques</b> , in 1 <sup>st</sup> International Conference on Green Power Technology in Power Grid: issues, challenges & control(ICGPTPG-2016) during 16 - 18 November 2016 organized by Dept. of EEE, SVU College of Engg,Tirupati.
19.	<b>A.Immanuel &amp; Ch.Chengaiiah</b> , Presented a paper on “ <b>Reduction in generation costs for the economic feasibility of application of FACTS Devices</b> , in 1 <sup>st</sup> International Conference on Green Power Technology in Power Grid: issues, challenges & control(ICGPTPG-2016) during 16 -18 November 2016 organized by Dept. of EEE, SVU College of Engg, Tirupati.
20.	<b>I.Muniraja &amp; Ch.Chengaiiah</b> , Presented a paper on “ <b>Reactive power management in Grid connected DFIG based wind form by using Statcom</b> ”, in 1 <sup>st</sup> International Conference on Green Power Technology in Power Grid: issues, challenges & control(ICGPTPG-2016) during 16 -18 November 2016 organized by Dept. of EEE, SVU College of Engg, Tirupati.
21.	<b>V.Krishnaveni&amp;Ch.Chengaiiah</b> , Presented a paper on “ <b>Electrical Tracking for Maximum power using Hybrid perturb and observe method in Grid connected Photovoltaic system</b> ”,in 1 <sup>st</sup> International Conference on Green Power Technology in Power Grid: issues, challenges & control(ICGPTPG-2016) during 16 -18 November 2016 organized by Dept. of EEE, SVU College of Engg, Tirupati.
22.	<b>K.Chandrika &amp; Ch.Chengaiiah</b> , Presented a paper on “ <b>Design and analysis of PV System for power quality enhancement using H6 based Filter plug in Vehicles</b> ”, in 1 <sup>st</sup> International Conference on Green Power Technology in Power Grid:issues, challenges & control(ICGPTPG-2016) during 16 -18 Nov 2016 organized by Dept.of EEE, SVUCE, Tirupati.

23.	<b>C.Bhavana&amp;Ch.Chengaiiah</b> , Presented a paper on “ <b>Transformerless inverter topologies with a three port DC-DC Bidirectional converter for Grid tied Photovoltaic System</b> ” in 1 <sup>st</sup> International Conference on Green Power Technology in Power Grid: issues, challenges & control (ICGPTPG-2016) during 16 -18 November 2016 organized by Dept. of EEE, SVU College of Engg,Tirupati.
24.	<b>Ch.Chengaiiah</b> , Presented a paper on “ <b>Regulation of Frequency in the wind plants Integrated Grid by H-infinity Approach</b> ” in the International Conference on Energy, Communication, Data Analytics and Soft computing (ICECDS)-2017, during August 1 <sup>st</sup> -2 <sup>nd</sup> 2017, organized by S.K.R Engineering College, Poonamallee, Tamilnadu.
25.	P.V.Narendra Kumar, <b>Dr Ch.Chengaiiah</b> , G.Kiran Kumar, “Generation Cost for Multi Capacity Thermal Power Stations using MATLAB”, First International Conference on ‘Green Power Technology in Power Grid: Issues, Challenges & Control (ICGPTPG-2016)’ during 16 <sup>th</sup> – 18 <sup>th</sup> November 2016 at Sri Venkateswara University, Tirupati, Andhra Pradesh, India.
26.	<b>P.V.Narendra Kumar, Dr Ch.Chengaiiah</b> , J.V.K.Prasad, “ Issues of Unit Commitment and Load Scheduling: A Fuzzy Dynamic Programming Approach”, Joint International Conference on ‘Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017) & Power, Circuit and Information Technologies (ICPCIT-2017)’ held on 27 <sup>th</sup> – 29 <sup>th</sup> April 2017 at Madanapalli Institute of Technology & Science, Madanapalli, Andhra Pradesh, India.
27.	<b>P.V.Narendra Kumar, Dr Ch.Chengaiiah</b> , G.Kiran Kumar, “Cost Management of a CFBC Boiler in a Thermal Power Plant”, First International Conference on ‘Computational and Intelligent Techniques for Automation of Engineering Systems (CITAES-2018)’ during 30 <sup>th</sup> November to 1 <sup>st</sup> December 2018 at Gudlalleru Engineering College, Gudlalleru, Krishna District, Andhra Pradesh, India.
28.	<b>P.Jyoshna, Prof.Ch.Chengaiiah</b> , Presented a paper on “ <b>Transmission losses allocation using PFT and DMLA algorithms in a deregulated power system</b> ”, in 2018 International Conference on Inventive systems and control (ICISC-2018) in Pichatur on January 19th & 20th, 2018.
26.	<b>P.Jyoshna, Ch.Chengaiiah</b> , Published a paper on “ <b>Transmission loss Allocation in Deregulated power system with optimal placement of TCSC Device using optimization Algorithm</b> ” in Second International Conference on Research Trends in Engineering, Applied Science and Management(ICRTESSM-2018) ON 23 <sup>rd</sup> September-2018 in Osmania University, Hyderabad.
27.	<b>P Jyoshna Ch Chengaiiah</b> , presented a paper “ <b>Comparison of optimal Algorithms for reducing the transmission losses in Deregulated power system</b> ” in IEEE ICECEIC conference on 30,31 <sup>st</sup> January 2019.(IEEE Conference)
28.	<b>P Jyoshna Ch.Chengaiiah</b> presented a paper “ <b>Transmission Loss Allocation With TCSC Using BSO Algorithm In Deregulated Power System</b> ”in ICRCT-18, on 31st January 2019 in AITS, Tirupathi.
29.	<b>Raju, V. Bala, and Ch Chengaiiah</b> "Power Enhancement of Solar PV Arrays under Partial Shading Conditions with Reconfiguration Methods", VIT Vellore, <i>i-Pact 2019</i>
30.	<b>Raju, V. Bala, and Ch Chengaiiah</b> “Modeling of solar PV array topologies under different partial shading conditions”, <i>ECEIC-2019</i>
31.	<b>Raju, V. Bala, and Ch Chengaiiah</b> “Optimal Interconnections of T-C-T PV Array Configuration Under Various Shading Scenarios” - <i>SVEC 2019</i> .
32.	<b>Raju, V. Bala, and Ch Chengaiiah</b> “Modeling and performance analysis of hybrid photovoltaic array configurations under non uniform irradiance conditions” - <i>SVU2019</i>
33.	<b>Raju, V. Bala, and Ch Chengaiiah</b> “Power Loss Analysis of Solar PV Array Configurations Under Different Shading Conditions”- <i>VIT -ICARE 2019</i>
34.	<b>B. Venkatesh Reddy and Dr. Ch. Chengaiiah</b> “Electrical Vehicle Charging Station Technology and Prospective Research Directions” International Conference on

	Recent Challenges in Engineering Science and Technology (ICRCEST – 2021) organized by Institute of Engineering Research and Publication (IFERP) 27-28 Aug 2021
35	<b>Jagadeesh.K and Dr. Ch.Chengaiiah “A Comprehensive Review – Partial Shading Issues in PV Systems”</b> 2 <sup>nd</sup> International Conference on Industrial Electronics, Mechatronics, Electrical & Mechanical Power (IEMPOWER-2021 ) organized by Institute for Engineering & Management 26-28 Nov 2021
36	<b>E. S. Reddy and C. Chengaiah,</b> "Flexible Power point Tracking of Photovoltaic System by Power Limiting Control," 2022 2nd International Conference on Power Electronics & IoT Applications in Renewable Energy and its Control (PARC), 2022, pp. 1-6, doi: 10.1109/PARC52418.2022.9726609.
37	<b>B. Venkatesh Reddy and Dr. Ch. Chengaiah</b> Participated in National Conference on Electrical Sciences – 2021 organized by Annamacharya Institute of Technology and Sciences, Rajampet on 11 January 2022 and presented a paper entitled <b>“Comparison of Recent Convertor Topologies for Electric Vehicle Charging and Discharging”</b> .
38	<b>B. Venkatesh Reddy and Dr. Ch. Chengaiah “An Optimal Design of DC Charging Station For Electric Vehicles Using Solar-wind Hybrid Source”</b> in Global Summit on Sustainable Energy by Adamas University, Kolkata to be held on 15-16 September 2022
39	<b>Jagadeesh.K and Dr. Ch.Chengaiiah “Power Electronic Converter Optimization in Electric Vehicles – A Perspective”</b> . in Global Sustainability Summit (GS3T-2021) organized by ADAMAS University on 15th and 16th Sep 2022.
40	<b>Jagadeesh.K and Dr. Ch.Chengaiiah “Design and Evaluation Metrics for Hybrid Solar PV Configurations Under Partial Irradiation Scenarios”</b> . in Global Sustainability Summit (GS3T-2022) organized by ADAMAS University on 15 <sup>th</sup> and 16 <sup>th</sup> Sep 2022.
41	<b>B. Venkatesh Reddy and Dr. Ch. Chengaiah “A Renewable Energy Based EV Charging Station Model using MATLAB Simulink”</b> in National Conference on Recent Advances in Technology and Engineering (CRATE-2022) organised by Vemu Institute of Technology, Chittoor Dt, during 14-15 October 2022.
42	<b>Jagadeesh. K and Dr. Ch. Chengaiah “SCN Based Solar PV Array Reconfiguration Technique”</b> in National Conference on Recent Advances in Technology and Engineering (CRATE-2022) organised by Vemu Institute of Technology, Chittoor Dt, during 14-15 October 2022.
43	<b>Jagadeesh K and Chengaiah Ch,</b> <b>“Power Enhancement in Solar PV configurations under partial irradiation scenarios using FSD method”</b> , International conference on Recent Trends in Materials, Manufacturing and Machine Learning (RAMML-2023), Organised by Yeshwantrao Chavan College of Engineering, Nagpur, 02 – 04 February 2023
44	<b>B. Venkatesh Reddy and Dr. Ch. Chengaiah, “A Modified P&amp;O Technique for Solar based EV Charging with SEPIC”</b> , Fifth IEEE International Conference on Electrical, Computer and Communication Technologies, Organised by Velalar College of Engineering & Technology, Erode, 22-24 February 2023.

#### 18. Workshops / Training Programmes / Seminars Attended:

S.No	Details of Workshops/Training Programmes
	January 2005 to December 2007

1	Participated a short term course on <b>“Instructional Design and Delivery”</b> On Oct 2005, Organized By N.B.K.R Institute Of Science And Technology, Vidyanagar.
2	Participated workshop on <b>“Emerging trends in VLSI Design”</b> on Jul 2007, organized by S.V.U.College of Engineering, Tirupathi
3	Participated a training programme on <b>“Induction Programme for the New Faculty”</b> on Aug 2007 organized by S.V.U.College of Engineering, Tirupathi.
	<b>January2008 to December2010</b>
4	Participated workshop on <b>“Modeling, Simulation and Control of Power Converters”</b> On June 2008, organized by S.V.U.College of Engineering, Tirupati.
5	Attended workshop on <b>“power quality analysis and improvement techniques”</b> on March 2009, organized by University College of Engineering, JNTU Kakinada.
6	Attended workshop on <b>“Embedded systems”</b> on Oct 2009, organized by S.V.U.College of Engineering, Tirupathi.
	<b>January2011 to December2013</b>
7	Attended workshop on <b>“Cloud Computing”</b> on Nov 2011, organized by S.V.University, Tirupathi.
8	Attended workshop on <b>“Advanced Technologies In Industrial Automation”</b> on Nov 2011, organized by Manipal university, Manipal.
9	Attended <b>ISTE</b> Workshop on <b>“Basic Electronics”</b> on June 2011, organized by IIT Bombay.
10	Participated a training programme on <b>“Instructional Design and Delivery Systems”</b> on Nov 2011 organized by S.V.U.College of Engineering, Tirupathi.
11	Attended <b>ISTE</b> Workshop on <b>“introduction to Research Methodologies”</b> on June 2012, organized by IIT Bombay.
12	Attended workshop on <b>“Research Methodologies”</b> on Sept 2012, organized by S.V.U.College of Engineering, Tirupathi.
13	Attended <b>ISTE</b> Workshop on <b>“Akash for Education”</b> on Nov 2012, organized by IIT Bombay.
14	Attended <b>ISTE</b> Workshop on <b>“writing effective conference papers”</b> on Feb 2012, organized by IIT Bombay.
15	Participated faculty development programme on <b>“Student Outcomes-Based Engineering Education for Enhanced Employability”</b> on Jan 2013 organized by S.V.U.College of Engineering, Tirupathi.
16	Participated faculty development programme on <b>“VLSI DESIGN FLOW USING SYNOPSYS EDA TOOLS”</b> on April 2013 organized by S.V.U.College of Engineering, Tirupathi.
17	Participated in Two- week ISTE Workshop on <b>“Database Management Systems”</b> by IIT Bombay at SVUCE, Tirupati during 21/05/2013 to 31/05/2013.
18	Participated faculty development programme on <b>“Student Outcomes-Based Engineering Education for Enhanced Employability”</b> on 5 <sup>th</sup> Jan 2013 organized by S.V.U.College of Engineering, Tirupathi.
	<b>January2014 to till date</b>
19	Attended a two week Faculty Development Programme on <b>“Foundation skills in information technology(FSIT)”</b> during 20 <sup>th</sup> to 30 <sup>th</sup> January, 2014, organized by Department of EEE, SVUCE, Tirupati.
20	Attended workshop on <b>“Intellectual property Rights”</b> on 15/04/2014, sponsored by

	PIC,APCOST Hyderabad organized by SVUCE, Tirupati.
<b>21</b>	Attended workshop on <b>“Intellectual property Rights”</b> on 08/07/2014, organized by SVUCE, Tirupati.
<b>22</b>	Attended workshop on <b>“Initiatives for quality improvement in Engineering Education”</b> during 15/11/2014 to 16/11/2014, organized by SVUCE, Tirupati.
<b>23</b>	Attended workshop on <b>“Research &amp; Teaching methodologies in Electrical Engineering”</b> during 11/12/2014 to 12/12/2014, organized by IIT, Hyderabad.
<b>24</b>	Attended workshop on <b>“Wavelet transforms in signal processing”</b> during 14/03/2015 to 15/03/2015, organized by SVUCE, Tirupati.
<b>25</b>	Attended workshop on <b>“Management capacity Enhancement Programme”</b> during 30/03/2015 to 04/04/2015, organized by IIMU, Udaipur.
<b>26</b>	Attended TEQIP-II 1.2 sponsored Faculty Development Programme on <b>“Intellectual Property Rights (IPR)”</b> during 18/11/2015 to 20/11/2015, organized by SVUCE, S.V.University, Tirupati.
<b>27</b>	Attended National level workshop on <b>“Electrical CAD”</b> during 29/07/2016 to 30/07/2016, organized by SVUCE, Tirupati.
<b>28</b>	Attended a two week Faculty Development Programme on <b>“Recent Advances In Electrical Engineering Research”</b> during 20 <sup>th</sup> February to 2nd March, 2017, organized by Department of EEE, SVUCE, and Tirupati.
<b>29</b>	Attended National level workshop on <b>“SAKSHAM-TEACHING WITH TECHNOLOGY TRAINING”</b> during 14/09/2018 to 15/07/2018, organized by SVUCE, Tirupati.
<b>30</b>	Attended

#### **19. Conferences and Workshop’s Organized:**

1. Organized an one day National Level workshop on **“SMART GRID TECHNOLOGIES- ISSUES AND CHALLENGES (SGTIC-11)”** on Aug 2011.
2. Organized a two days National Level Workshop on **“ADVANCES IN POWER SYSTEMS”** on July 2013.
3. Organized a Three days National Level workshop on **“RESEARCH METHODOLOGY AND REPORT WRITING”** during April 21-23 2016 at SVUCE, S. V. University under TEQIP-II 1.2.
4. Organized a Two day seminar on **“CAREER GUIDANCE AND APTITUDE SKILLS (CGAS-2017)”** during 3<sup>rd</sup> & 4<sup>th</sup> March, 2017 at SVUCE, S. V. University under TEQIP-II 1.2.
5. As a liaison Officer of S.V University Celebrated **125<sup>th</sup> Birth Anniversary of Dr.B.R.Ambedkar**, on **14<sup>th</sup> April-2016** at **Srinivasa Auditorium**, S V University.
6. As a Dean, Student Career Development & Counselling (SCDC) of S V University Celebrated **126<sup>th</sup> Birth Anniversary of Dr.B.R.Ambedkar**, on **14<sup>th</sup> April-2017** at **Srinivasa Auditorium**, S V University.

7. As a Dean, Student Career Development & Counselling (SCDC) of S.V.University organized a three day national workshop on “**Industrial Applications of Electrical Engineering**” on **19<sup>th</sup> - 21<sup>st</sup>, July 2018** at S.V.University.
8. As a Dean, Student Career Development & Counselling (SCDC) of S.V.University organized a two day seminar on “**Role of Digital Technology for National Development**” On **26<sup>th</sup> and 27<sup>th</sup> October, 2018** at S.V.University.
9. As a Dean, Student Career Development & Counselling (SCDC) of S.V.University organized an Essay writing Competition on “**Eradicate corruption – Build a New India** “on **2<sup>nd</sup> November-2018** at S.V.University.
10. As a Dean, Student Career Development & Counselling (SCDC) of S.V.University organized a Programme on “**Rural Electrification corporation** “on **3<sup>rd</sup> November-2018** for III<sup>rd</sup> and IV- B.Tech Students of S.V.U.C.E, at S.V.University.
11. As a Dean, Student Career Development & Counselling (SCDC) of S.V.University organized a Programme on “**Unleash the Power of Mind and power of Habits**” for Ist year B.Tech Students of S.V.U.C.E, on **3<sup>rd</sup> November-2018** at S.V.University.
12. As a Dean, Student Career Development & Counselling (SCDC) of S.V.University organized a Programme on “**Unleash the Power of Mind**” for 2<sup>nd</sup> year B.Tech Students of S.V.U.C.E, on **3<sup>rd</sup> November-2018** at S.V.University.
13. As a Dean, Student Career Development & Counselling (SCDC) of S.V.University organized a Programme on “**AP Rural Electrification Innovation Training Programme** for B.Tech Students of S.V.U.C.E, from 01-02-2019 to 03-02-2019 at S.V.University

## **20. Extra Co-Curricular Activities: 02**

1. Serving in Institutional Co-curricular activities for students such as field studies/ Educational tours, industry-implant training and placement activity.
2. Students and Staff related socio cultural and sports programs act as **Regular Co-ordinator Cum Judge for RAPSODY EVENT -2012**, onwards.

## **21. Invited for Different National level Events: 10**

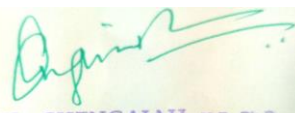
1. Act as **Judge** for National level Students conference- **SIGMOID2K-12 on 28<sup>th</sup> January 2012** organized by SVUCE, Tirupati.
2. Serving as a **Regular Organizing Committee Member** for Dept. National level event i.e **SPARX, from 2012** onwards in Department of EEE,S V U College of Engg, Tirupati.
3. Appointed as a **Jury Member** for **National Level Technical Symposium** on March 2013 organized by S.V.P.C.E.T, puttur.
4. Appointed as **Judge** to **adjudge** of the conference on “**NCCECP** ” on **9<sup>th</sup> Nov 2013**, organized by Dept of EEEE, ASCET, Gudur.

5. Invited as a Chair for “**TECHNO PRAH 2K14**”, 3<sup>rd</sup> National level Technical Symposium 7<sup>th</sup> March 2014 conducted by GATE INSTITUTE OF TECHNOLOGY Gutti, Ananthapuramu.
  6. Attended as a chief Guest and Key note Addresses to the symposium and also acted as Judge for “Technovation-2K14” a National level technical symposium organized by Priyadharshini College of Engineering, Sullurpet held on 10/03/2014.
  7. Invited as a Chair for student Symposium in national level technical fest “**PRAYAG-2014**” held on 19-04-2014 organized by ADISANKARA COLLEGE OF ENGINEERING AND TECHNOLOGY.
  8. Invited as a Judge for “**Mohan Mantra a National Level Techno Cultural Fest- 2014**” at Sree Vidhyanikethan Educational Institutions Tirupati on 30<sup>th</sup> Oct 2014.
  9. Invited as a Resource person for a three day national workshop on “**MATLAB applications in Electrical & Electronics Engineering**”, during 21<sup>st</sup> to 23<sup>rd</sup> July, 2016 organized by Sir Vishveswaraiah Institute Of Science and Technology, Madanapalle, Chittoor dist.
  10. Invited as a Resource person for a one week foundation course on “**MATLAB AND LATEX**”, during 5<sup>th</sup> -9<sup>th</sup> December, 2016 organized by Department of Electrical Engineering, A U College of Engineering, Andhra University, and Visakhapatnam.
  11. Attended as a chief Guest and Key note Addresses Two Day National Level Seminar on Challenges involving in Size, Weight and Power (SWaP) in an UAV” during 21<sup>st</sup> and 22<sup>nd</sup> August 2023 organised by the Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology and Science (Autonomous) and DRDO.
- 22. Invited for Different International level Events:**
1. Invited as a **Session Chair person** in the **International Conference on Energy, Communication, Data Analytics and Soft computing (ICECDS)-2017**, during August 1<sup>st</sup> -2<sup>nd</sup> 2017, organized by S.K.R Engineering College, Poonamallee, Tamilnadu.

**Declaration:**

I declare that to the best of my knowledge and belief the particulars in the form are correct.

Signature of the Teacher



Dr. Ch. CHENGALAH, M.E., Ph.D.  
Professor & Dean (SCDC)  
Dept. of Electrical & Electronics Engg.  
S.V. University College of Engineering  
TIRUPATI - 517 502