



Name: **Dr. G.V. Prasanna Anjaneyulu**

Designation: **Associate Professor**

Mail-ID: **anjaneyulu@rvrjc.ac.in**

Extension number: **407**

Date of Birth: **11/07/1981**

Date of Joining: **06/06/2019**

Educational qualifications: **B.E.,M.Tech.,Ph.D**

Professional Memberships: **MIE, MISTE, MIAENG**

Experience: **17 Yrs 6 MONTHS**

Industrial Experience: **1 Yr**

Teaching Experience: **17 Yrs 6 MONTHS**

Research Interests: **Power Quality Issues, FACTS - controllers**

**Research work / Research papers published:**

**Journals:**

- Mallipeddi Anitha, Gonugunta Venkata Prasanna Anjaneyulu, Praveena Bai Desavathu Yarlagadda Mallikharjuna Rao, “Design of low voltage high output resistance current mirror” International Journal of Experimental Research and Review (IJERR), copy right by International Academic Publishing House (IAPH), ISSN: 2455-4855 (online) Vol. 30: 57-62 (2023) [Scopus Indexed]
- Sai Ram Inkollu, G.V. Prasanna Anjaneyulu, Kotaiah NC, Nagaraja Kumari.CH “An Application of Hunter-Prey Optimization for Maximizing Photovoltaic Hosting Capacity Along with Multi-Objective Optimization in Radial Distribution Network” International Journal of Intelligent Engineering and Systems (IJIES), Vol.15, No.4, 2022, ISSN:2185-310X pp: 575-584. (Scopus Indexed)
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju “Performance Evaluation of Eight Bus System Employing Unified Power Quality Conditioner” International Journal Of Electronics Circuits And Systems IJECS, ISSN : 2277 – 5870, Vol 5, issue 1, Jan 2016, pp. 8-15.

- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju “Power Quality Improvement in fourteen bus system using UPQC” International Journal of Electrical Engineering, ISSN 0974-2158, Volume 8, Number 4 (2015), pp: 419-431.
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju “Improvement of the Voltage Stability in the Thirty Bus System Employing Wind Generation using UPQC” International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 17 (2015) pp 37373-37378.
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju “Modelling and Simulation of Fifty Bus system with Solar Based Multiple UPQC’s” IOSR Journal of Electrical and Electronics Engineering, e-ISSN: 2278-1676.Vol.11, Issue 5, Ver-1 (Sep-Oct 2016), pp: 51-58.
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju, “ Fuzzy Logic Controlled Inter Leaved Boost Converter fed Unified Power Quality Conditioner System” International Journal of Electrical Engineering & Technology (IJEET) IAEME Publication, Volume 8, Issue 3, May-June 2017, pp. 15–23.
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju, “Proportional Resonant controller based Inter Leaved Boost Converter fed Unified Power Quality Conditioner System” International Journal of Engineering and Technology ISSN print: 2319-8613, ISSN Online: 0975-4024, Vol 9 No 3 Jun-Jul 2017, pp: 2628-2636.
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju “Comparison of Two Inductor Boost Converter and Interleaved Boost Converter Based Unified Power Quality Conditioner” Journal of Science and Technology *Volume 2, Issue 8*, pp: 01-12.
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju “Comparison of Time Responses of PI and Fractional Order PID Controlled ILBC Fed UPQC Systems” International Journal of Control Theory and Applications, ISSN: 0974-5572, Volume:10, No. 39, 2017, pp: 251- 259.
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju, “ *Steady State Comparative Performance Analysis Of ILBC-UPQC System With PI And PR Controllers*” International Journal of Research in Advent Technology, Special Issue, March 2019 E- ISSN: 2321-9637, pp: 83-88.
- G V Prasanna Anjaneyulu,R. Hothri, Sk. Johny Begam, “ *UPQC Based Two - Bus System Harmonic Analysis Comparison With UPFC*” International Journal of Research in Advent Technology, Special Issue, March 2019 E-ISSN: 2321-9637, pp: 559-562.

#### **Book-series Publications (Through Conference):**

- G.V. P. Anjaneyulu, “Transient Response Performance-Based Comparative Studies of TBC Fed UPQC in Multibus-Based System with Conventional Converter” Smart and Intelligent Systems (SIS), pp 581–590, DOI: 10.1007/978-981-16-2109-3\_53, Print ISBN: 978-981-16-2108-6, Online ISBN: 978-981-16-2109-3, 31 August 2021(Springer)

## Patents:

SN o	Patent No	Title of the Patent	Details of Applicants & Inventors	Status
1	202141056444 A	Method for automatically upgrading a Power tool system integrated with a cloud server and IOT module	DR. G.V. PRASANNA ANJANEYULU, MRS. V. SARAYU, SRI. CH. RANGA RAO, SRI. N. DHARANI KUMAR, SRI. B. SARATH CHANDRA, SRI. NAVEED SUHAIL, MS. T.R. CHANDNI, SRI. Y. MALLIKARJUNARAO, SRI. L.V. RAMANA MURTHY, DR. J.V. SATYANARAYANA	Published [10/12/2021]
2	202241004657 A	Method and system for providing IOT enabled Smart electrical meters for predicting electrical power reliability	DR. G.V. PRASANNA ANJANEYULU, MRS. V. SARAYU, SRI. CH. RANGA RAO, SRI. N. DHARANI KUMAR, SRI. B. SARATH CHANDRA, SRI. NAVEED SUHAIL, MS. T.R. CHANDNI, SRI. Y. MALLIKARJUNARAO, SRI. L.V. RAMANA MURTHY	Published [04/02/2022]
3	202341080263 A	Artificial intelligence (AI) based high-efficiency DC-DC converter for Dynamically charging electric vehicles	1)Dr. K RADHA RANI 2)Dr. N. CHAITANYA 3)Dr. A. RAMA KOTESWARA RAO 4)Dr. G. V.P ANJANEYULU	Published 22/12/2023

## International Conferences Participated:

- G Manjith, Dr.G V Prasanna Anjaneyulu, “STATCOM design for T-linesWINDFARM using MATLAB” 2nd International Conference on Recent Trends in Power Systems & Power Electronics, Organized by EEE Department, NEC, 22-23 July 2022 , ISBN: 978-93-91420-06-2, vol-1, pp: 31-36
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju “*Harmonic Reduction in Fourteen Bus System by Using Unified Power Quality Conditioner*” 3<sup>rd</sup> International Conference on Recent Innovations in Science Engineering and Management (ICRISEM-16) ISBN: 978-81-932074-1. 27<sup>th</sup> February 2016, pp: 433-438.
- G.V. Prasanna Anjaneyulu, SK Abdul Kalam, “BLCL ULTRA EFFICIENCY DUAL ENERGY OUTPUT (MOTOR & GENERATOR) WITH 12V DC” in International Conference on Electrical, Electronics and Optimization Techniques (ICEEOT-2016) with IEEE, ISBN: 978-1-4673-9939-5 [16], 3<sup>rd</sup> to 5<sup>th</sup>, March 2016, pp:2240-2244.
- G.V. Prasanna Anjaneyulu, Dr. P. Sangameswara Raju “*Design of Fifty Bus System with Multiple UPQCs*” International Conference on Recent Trends in Science, Technology and Management, (ICRTSTM-16) ISBN: 978-93-86171-05-4. 4<sup>th</sup> September -16, pp: 198- 206.

## **AWARDS/CITATIONS**

- Acted as Reviewer in International Conference on Advancement in Science, Technology and Management (ICASTM-2021) on 23 and 24 December, 2021. The conference is in association with Indian Society for Technical Education (I.S.T.E), Institution of Engineers (India) (IEI, Nagpur Chapter) and The Institution of Electronics and Telecommunication Engineers (I.E.T.E, Nagpur Chapter)
- Received “Best Doctorial Thesis” Award Presented by India Independence Award – 2019 and granted by International Association or Research and Development Organization on 18th August 2019, at The International Centre Goa (INDIA).
- For Services as Assoc. Professor in EEE Department to the Tirumala Engineering college, “**Best Teacher for the academic year 2012-13**”.

### **Research Project:**

- ❖ Dr. Tripura Pidikiti, Dr. P V Kishore Babu, Dr. G.V. Prasanna Anjaneyulu “Design and prototyping of PV assisted IoT enabled Charging topologies.

### **Workshops /Seminars / Courses Participated:**

- ❖ G V Prasanna Anjaneyulu has actively participated in the five day online International Faculty Development Program on “The Role of Artificial Intelligence in Renewable Energy Applications from 01/08/2022 to 05/08/2022 conducted by EEE Department, KPR Institute of Engineering and Technology, Coimbatore, Tamilnadu, India.
- ❖ G V Prasanna Anjaneyulu has completed One week National level FDP on “ELECTRIC VEHICLES-TECHNOLOGICAL ADVANCEMENTS AND TRENDS” from 20th february 2023 to 25th february 2023 organized by the department of ELECTRICAL & ELECTRONICS ENGINEERING of VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY in collaboration of IEI LOCAL STUDENT’S CHAPTER.
- ❖ G V Prasanna Anjaneyulu has successfully completed Gustavoalley Technovation’s Online Internship on Industry 4.0 which was conducted from 03/02/2022 to 05/03/2022.
- ❖ G V Prasanna Anjaneyulu has completed One week National level Intercollegiate Online Faculty Development Program on Outcome Based Education & Bloom’s Taxonomy organised by the Internal Quality Assurance Cell of Ramakrishna Mission Vivekananda Centenary College (Autonomous), Kolkata in association with ipsr solutions limited 08 November 2021 to 15 November 2021.

- ❖ G V Prasanna Anjaneyulu participated in A One week National Level Online Faculty Development Program on RECENT TRENDS IN ELECTRICAL ENGINEERING organized by Department of Electrical and Electronics Engineering of Geethanjali Institute of Science and Technology, Nellore from 16-08-21 to 23-08-21.
- ❖ G V Prasanna Anjaneyulu participated in one week Short Term Training Program (STTP-Phase-III) on “Simulation Tools for Electrical Engineering & its real time applications” organized by Department of Electrical and Electronics Engineering, Kallam Haranadhareddy Institute of Technology, Guntur from 28th June to 3rd July 2021.
- ❖ Participated in one day work shop on “The NPTEL Workshop” conducted on 19<sup>th</sup> Jan- 2019 by IIT Madras at IC & SR. IIT-MADRAS.
- ❖ Participated in one day work shop on “SWAYAM – NPTEL awareness Workshop” Jointly organized by NPTEL – IIT Madras & RVRJC College of Engineering Guntur, 7<sup>th</sup> December, 2018.
- ❖ Participated in one day Seminar on “NI Engineering Education & Research Seminar” at Fortune Murali Park, 40-1-28, MG Road, Labbipet, Vijayawada on 29<sup>th</sup> June 2018..
- ❖ Participated in five day Work shop on “Real Time Control of Electrical Machine Drives with DSPACE and FPGA” Organized by Department of Electrical Engineering, VFSTR University, Vadlamudi, Guntur, A.P., 1<sup>ST</sup> to 5<sup>th</sup> June, 2016.
- ❖ Participated in three day Work shop on “*Recent Trends in Power System Protection*” Organized by Department of Electrical Engineering, NIT Warangal by TEQIP-II, 27-29, November 2014.
- ❖ Participated in three day workshop under TEQIP – II “*Recent Trends in Renewable Energy Sources and Grid Integration Issues*” Organized by Department of Electrical & Electronics Engineering, SVECW, 26 – 28 December 2013.
- ❖ Participated in two day national work shop on “*Model Based Design for Power Electronics & Embedded Systems*” conducted by Department of Electrical & Electronics Engineering, R.V.R & J.C College of Engineering, Guntur, A.P., 12-13 December 2013.
- ❖ Participated in one day national level work shop on “*SMART GRID TECHNOLOGIES, ISSUES AND CONCLUSIONS (SGTIC)*”, conducted by Department of Electrical and Electronics Engineering, S.V. University College of Engineering, S.V. University, Tirupathi, A.P., Aug 20<sup>th</sup>, 2011.

### **Administration At college:**

- Working as Assoc. Professor in EEE Department from 06/06/2019 to till date.
- Acting as Assistant controller of Exams in special section from 01/04/24.
- Member in Board of studies in Electrical & Electronics Engineering, R.V.R& J.C College of Engineering (Autonomous). 16.04.2020 to till date.
- Acting as Class In charge for Y20 batch ( EEE-sections A,B,C)
- Acting as ISO internal auditor since 12/06/2019