# FACULTY PROFILE

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| Name of the Faculty: | **Dr Ravi Kumar Goli** | |
| Designation: | **Professor** | |
| Department: | **EEE** | |
| Date of Birth: | **25/03/1966** | |
| AICTE – ID: | **1-426938018** | |

| Education | • B.Tech in Electrical Engineering from Andhra University College of Engineering in 1993<br>• M.Tech in Advanced Power systems Specialization from JNT University college in 2007.<br>• PhD in _Electrical Power systems__ specialization from JNT University Kakinada in 2014. |
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| Experience | Teaching: 18.5Years | Industry: 10.6 Years | **Total: 29.2 Years** |
|---|---|---|---|
| | Research: 9.2_Years | Others: _____Years | |

| Research Specialization | **Bio-Inspired algorithm applications to Power systems, Economic Load dispatch, Smart grid Protection using Wavelet-Machine Learning Approach, Wide Area Networks** |
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| Courses taught | **1.Power systems -PSA, Ps-I, PS-II, TD, AIPS**<br>**2.Network Analysis**<br>**3.Microprocessors and microcontrollers**<br>**4.Metaheuristics, Operation Research,** |
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## Research contributions

### International/national peer reviewed journals

### Books published

| S. No. | Title of the book | Publisher | year |
|---|---|---|---|
| 1 | Nill | | |

### Book chapters Published

| S.No. | Title of the Chapter | Book title | Publisher | year |
|---|---|---|---|---|
| 1 | Nill | | | |

### Details of Patents (Filed & Granted)

| S. No. | Applications number | Title of the patent | Date of filing/publishing | Published/granted |
|---|---|---|---|---|
| 1 | 202141028520 | **Power Quality and Intelligent digital Protection Relays in Microgrids** | 25/06/2021 | **Published** |

| 2 | **202241016231** | Detection of stator incipient faults and identification of faulty phase in three-phase induction motor | 23/03/2022 | **Granted** |
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## Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

| S.No. | Name of the event | Role | Dates |
|---|---|---|---|
| 1 | National conference on system Modelling and system Dynamics-2020(AICTE Grant) | Convener | 24th -28th October,2020 |
| 2 | One Week Short Term Program on "Design, Implementation and Control of Electrical Systems using MATLAB". | Resource person | 03rd -7th , Jan,2023 |
| 3 | Three Day Workshop on "New Trends in Electrical Power System". | Resource Person | 1st–3rd March,2023 |
| 4 | One Week Online STTP on "Soft Computing Techniques in Electrical Systems". | Resource Person | 14th -19th March,2022 |
| 5 | A 5-Day Faculty Development Program on" Grid Integration of Renewable Energies and Block Chain Technologies", at Andhra Loyola Institute of Engineering and Technology, Vijayawada | Resource Person | 23rd -27th Jun 2022 |

## Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

| S.No. | Name of the event | Organized by | Dates |
|---|---|---|---|
| 1 | | | |

## Awards/recognitions/achievements

| S.No. | Name of the Award | Awarding body/Society/Organization | Year |
|---|---|---|---|
| 1 | Gold medal award for Best paper | Union Ministry of Energy-Department of Power, 31st Indian Engineering Congress | **2016** |

## Details of project proposals submitted/sanctioned/completed.

| S.No. | Title of the Project | Funding body | Submitted/ Sanctioned/ Completed | Amount | Year/ duration |
|---|---|---|---|---|---|

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## Consultancy contribution

| S.No. | Year | Amount | Details |
|---|---|---|---|
| 1 | | | |

## Student Project/research guidance

| S.No | Level | Total number | |
|---|---|---|---|
| 1 | UG | Completed: 20 | Ongoing: 2 |
| 2 | PG | Completed: 6 | Ongoing: 0 |
| 3 | PhD | Completed: 3 | Ongoing: 1 |

## Administrative experience

| S.No. | Role | Duration (From – to) |
|---|---|---|
| 1 | Head of The Department | Feb 2022 – April 2023 |

## Research credentials

| Index/database | ID/Link |
|---|---|
| Google Scholar | https://scholar.google.com/citations?user=JpRZpSMAAAAJ |
| SCOPUS | **Goli, Ravi Kumar - Author details - Scopus Preview** |
| Web of Science | |
| Vidwan ID | |

## Any other relevant information

(Name)

(Date)

**Research Publications: (79)**

|  | Category | No. Of publications |
|---|---|---|
|  | International Journals | 38 |
|  | International & National conferences | 41 |
|  | Total | 79 |

| Sno | Journal Papers | year |
|---|---|---|
| 1 | **Goli, R.K**., Sree, Y.M. & Priya, G.V. Neuro-Wavelet Protection Scheme for PV-Wind Energy Source Integrated 6-Terminal Power Network with IoT-Based Smart Environment. J. Inst. Eng. India Ser. B 103, 2035–2048 (2022) | 2022 |
| 2 | K.V. Dhana Lakshmi1, P.K. Panigrahi1 and **Ravi kumar Goli**" Fault Analysis of Microgrid with Grid-Connected and Islanded mode Using IoT-Wavelet Approach" Journal of Electrical Systems, ESR Group,(Scopus) | 2022 |
| 3 | K.V. Dhana Lakshmi1, P.K. Panigrahi1 and **Ravi kumar Goli** "Machine learning assessment of IoT managed microgrid protection in existence of SVC using wavelet methodology" AIMS Electronics and Electrical Engineering, 6(4):370–384. DOI: 10.3934/electreng.2022022(Scopus),P370-384. | 2022 |
| 4 | Y. Srinivasa Rao, **G. Ravikumar**, P. Srinivasa Varma" A New Algorithm for The Classification Of Faults In Multi-Terminal Transmission Network Using Wavelet Morphology" International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Volume-7, Issue-6, March 2019. | 2019 |
| 5 | S.Chandra Shekar, **G.Ravi Kumar**, S.V.N.L Lalitha" A transient current based micro- grid connected power system protection scheme using wavelet approach" International Journal of Electrical and Computer Engineering (IJECE) Vol. 9, No. 1, February 2019, pp. 14~22.(Scopus). | 2019 |
| 6 | Y. Srinivasa Rao , **G. Ravi kumar** , P. Srinivasa Varma" Combination of MW and Deep Neural Network based Fault location Identification for Multi-terminal transmission systems", International Journal of Simulation: Systems, Science and Technology, - Volume 19, Number 6, Page 2, December 2018(Scopus) | 2018 |
| 7 | S. Chandra Shekar, **G. Ravi Kumar** and Svnl Lalitha" Wavelet Based Fault Analysis of Hybrid Energy Source Micro-Grid Connected Multi Terminal Transmission System Protection Scheme" Jour of Adv Research in Dynamical & Control Systems, Vol. 10, No. 4, 2018.(Scopus) | 2018 |
| 8 | S.Chandra Shekar, **Dr.G.Ravi Kumar**, Dr.S.V.N.L. Lalitha" Transmission Line Protection Scheme In Presence Of Microgrid Using Neuro-Wavelet Analysis" International Journal of Pure and Applied Mathematics Volume 120 No. 6 2018, 551- 565.(Scopus). | 2018 |
| 9 | S.Chandra Shekar, **G.Ravi Kumar**, S.V.N.L Lalitha" Renewable Energy Integrated Multi- Terminal Transmission System Using Wavelet Based Protection Scheme" International Journal of Power Electronics and | 2018 |

| | | |
|---|---|---|
| | Drive System (IJPEDS) Vol. 9, No. 3, September 2018,(Scopus). | |
| 10 | Y. Manju Sree, **G. Ravi Kumar** and R. Kameswara Rao" Wavelet-Based Protection Scheme for SVC Compensated Multi-terminal Transmission System with Hybrid Generation" Springer Nature Singapore Pte Ltd. 2018, Lecture Notes in Electrical Engineering 434, DOI 10.1007/978- 981-10-4280- 5_27 (Scopus) | **2018** |
| 11 | S. Chandra Shekar, **G. Ravi Kumar** and Svnl Lalitha" Neuro-Wavelet Based Transmission Line Protection Scheme in Presence of Microgrid" I J C T A, 10(5) 2017, pp. 455-462. | **2017** |
| 12 | Y Srinivasa Rao, **G. Ravi Kumar**, G. Kesava Rao" Interconnected Transmission Line Fault Detection Using Wavelet Transform and a Novel Machine Learning Algorithm" Jour of Adv Research in Dynamical & Control Systems, Vol. 9, No.12, 2017.(Scopus) | **2017** |
| 13 | Y Srinivasa Rao, **G. Ravi Kumar**, G. Kesava Rao" A New Approach for Classification of Fault in Transmission Line with Combination of Wavelet Multi Resolution Analysis and Neural Networks" IJPEDS, a Scopus indexed journal. Vol 8,No.1,2017. | **2017** |
| 14 | J. Uday Bhaskar,**G . Ravi Kumar**, S.S. Tulasi Ram "Wavelet-Fuzzy Based Digital Protection Scheme Of Four terminal Transmission System In The Presence Of Upfc" i-manager"s Journal on Electrical Engineering, Vol. 10 1 No. 3 1 January - March 2017,18- 29. | **2017** |
| 15 | Satyanarayana Gorantla, **Goli Ravi Kumar**" Harmonic Elimination Using STATCOM for SEIG Fed Induction Motor Load" International Journal of Power Electronics and Drive System (IJPEDS)Vol. 8, No. 3, September 2017, pp. 1026~1034 ISSN: 2088-8694, DOI: 10.11591/ijpeds. v8i3.pp1026-1034. | **2017** |
| 16 | Satyanarayan Gorantla, **Goli Ravi Kumar**" Harmonic Compensation using STATCOM for SEIG Feeding Single-Phase Load Connected between Different Phases" Indonesian Journal of Electrical Engineering and Computer Science Vol. 6, No. 3, June 2017, pp. 489 ~ 496. .(Scopus) | **2017** |
| 17 | Y Manju Sree, **Ravi kumar Goli**, V.Ramaiah" Wavelet Based Protection Scheme for Multi Terminal Transmission System with PV and Wind Generation" IOP Conf. Series: Materials Science and Engineering 225 (2017)12207 doi:10.1088/1757- 899X/225/1/012207,(Scopus) | **2017** |
| 18 | Satyanarayana Gorantla and **Goli Ravi Kumar**" Statcom For Compensation Of Seig Feeding Single-Phase And Three-Phase Loads" International Journal of Electrical and Electronics Engineering Research (IJEEER) ISSN (P): 2250- 155X; Vol. 7, Issue 5, Oct 2017, .(Scopus) | **2017** |
| 19 | S Chandra Shekar, **G Ravi Kumar**, Svnl Lalitha" Wavelet Based Transient Fault Detection and | **2016** |

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|---|---|---|
| | Analysis of Microgrid Connected Power System" International Journal of Power Systems, ISSN: 2367-8976 46 Volume 1, 2016. | |
| 20 | S Chandra Shekar, **G Ravi Kumar**, Svnl Lalitha" Wavelet Based Multi-Terminal Transmission Line Protection with MicroGrid"Wseas Transactions On Power Systems, E-Issn: 2224-350x ,Volume 11, 2016. | **2016** |
| 21 | **G.Ravi kumar**,M.Vaidehi " Wavelet Approach for Transient Current based Multi Terminal Transmission System Protection Scheme" International Journal of Engineering Research & Technology (IJERT),ETE - 2016 Conference Proceedings, Vol -3,issue 4. | **2016** |
| 22 | G.Satyanarayana, **G.Ravi kumar**" MATLAB Modelling of Singly Excited Induction Generator" International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering Vol. 5, Issue 5, May 2016, 1-8. | **2016** |
| 23 | G.Satyanarayana, **G.Ravi kumar** "SRF Theory Based Statcom For Compensation Of Reactive Power and Harmonics" International Journal of Electrical Engineering & Technology (IJEET) Volume 7, Issue 5, September–October, 2016, pp.32–43. | **2016** |
| 24 | J.Uday Bhaskar, S.S.Tulasiram,G.Ravi Kumar, S. Ramya Lakshmi "Analysis Of Faults On Svc Compensated Three Terminal Transmission System Using Wavelet Fuzzy Approach" International Journal of Engineering Applied Sciences and Technology, 2016 Vol. 2, Issue 2, ISSN No. 2455-2143, Pages 44-54. | **2016** |
| 25 | J.Uday Bhaskar, **G.Ravi Kumar** and S.S.Tulasi Ram"A Transient Current BasedWavelet-Fuzzy Approach for the Protection of Six-Terminal Transmission System "International Journal of Exploration in Science and Technology Vol. 1 Issue 3 (December 2016), .(Scopus) | **2016** |
| 26 | **G.Ravi kumar**, Shaik Abdul Gafoor, S.S.Tulasiram" Fuzzy – Wavelet Based Double Transmission Line Transmission System Protection Scheme in The presence of UPFC" Elsevier Editorial System(tm) for International Journal of Electrical Power and Energy, 70 (2015) 91–98 | **2015** |
| 27 | **G. Ravi Kumar**, K.Sushmitha, M. Dhatri Durga and M.V.Harika"A Transient Current Based Transmission Line Protection in the Presence of Interline Power Flow Controller using Neuro-Wavelet Approach" IJCTA, Vol.8, No.1, Jan-June 2015, Pp.23-33 (Scopus). | **2015** |
| 28 | **G. Ravikumar**, M. Vaidehi & R. Kameswara Rao "Neuro-Wavelet Approach For Transient Current Based Multi Terminal Transmission System Protection Scheme" TJPRC: Journal of Signal Processing SystemsVol. 1, Issue 1, Dec 2015, 51-62. | **2015** |
| 29 | **G.Ravikumar**, Shaik Abdul Gafoor, S.S.Tulasiram" Fuzzy – Wavelet Based Double Transmission Line Transmission System Protection Scheme in The presence of SVC" Journal | **2014** |

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|---|---|---|
| | Of Institution of Engineers (India) Series B-Springer Publishers.9th july 2014. .(Scopus) | |
| 30 | **G.Ravi Kumar**, A.Hari Prasad, N.Satya Saketha, K.Saichandana"A New Innovative Design principle of Grid Interactive Roof Top Solar Photovoltaic Power Generation "International Journal of Education and applied research, IJEAR Vol. 4, Issue Spl-1, Jan - June 2014. | **2014** |
| 31 | GV Raghavendra Reddy, A. Hari Prasad, **Dr.Goli Ravikumar**" MATLAB Simulation of a High Step-Up DCDC Converter for a Micro Grid Application" International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering ,Vol. 3, Issue 9, September 2014 | **2014** |
| 32 | **G.Ravi kumar**, S.Tejasri,Ch.Pavani,P.Sajitha"Neuro-Wavelet Approach for Transient Current Based Transmission line Protection Scheme"I-Manager"s Journal of Circuits and SystemsVol.1,No2,march-May 2013. | **2013** |
| 33 | **G.Ravi kumar**, Shaik Abdul Gafoor, S.S.Tulasi Ram "Fault Analysis of Double line Transmission System with STATCOM Controller Using Neuro-Wavelet Based Technique", International Journal of Engineering and Technology (IJET),Volume 2 No. 6, June, 2012 | **2012** |
| 34 | **G.Ravi Kumar**, Shaik Abdul Gafoor, S.S.Tulasiram" Wavelet based fault detection, classification in transmission system with UPFC" International Journal of Advances science and technology, Vol.3No.3, Sept, 2011. | **2011** |
| 35 | **G. Ravi Kumar**, R. Kameswara Rao, S. S. Tulasi Ram," Harmonic Analysis of 6- Pulse converter in DTC induction Drives using UPQC" International Journal of Scientific Engineering and Research (IJSER) Vol 2 IssueNo.10 Oct. 2011. | **2011** |
| 36 | **G. Ravi Kumar**, R. Kameswara Rao, S. S. Tulasi Ram," Effective Harmonic Mitigation Techniques using Wavelets based analysis" International Journal of Engineering Science and Technology (IJEST)Vol 3 No.8 Aug 2011. | **2011** |
| 37 | **G. Ravi Kumar**, R. Kameswara Rao, S. S. Tulasi Ram," Harmonic Mitigation Techniques for IEEE 13-Bus Medium Voltage Distribution System" International Journal of advances in Science and Technology (IJAST)Vol 3 No.4 Oct. 2011 | **2011** |
| 38 | **G.Ravikumar**, Shaik Abdul Gafoor, S.S.Tulasiram" Wavelet based fault analysis of transmission systemwith STATCOM Controller" International Journal of Integrated Energy systems"No.2 (2011) July-Dec2011. | **2011** |
| | **Conference paper title** | |
| 1 | **G.Ravi Kumar,** Shaik.Karishma, Patcha Anusha T, Chandini "Multi- Terminal Transmission System with Distributed Generation Protection Scheme Using Wavelet Analysis" ICETPSPE-045, Acharya Nagarjuna University, Guntur,13-14th March,2020. | **2020** |
| 2 | M. Vaidehi, **G.Ravikumar**, R.Kameswara Rao"Wavelet Approach for Transient Current based Multi Terminal Transmission System Protection Scheme in the presence of | **2020** |

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|---|---|---|
| | Shunt Compensating Devices"NCSMSD-2020,BEC,Bapatla,24th 28th October,2020. | |
| 3 | Karra pranathi,**Goli Ravi kumar**, G.Vamsi Priya "Distinguish between WTT and wavelet morphing technique in the presence of a multiterminal system"NCSMSD-2020,bapatla Engineering college, Bapatla,24th 28th October,2020. | **2020** |
| 4 | Karra Pranathi,**Goli Ravi Kumar**" Wavelet based fault analysis on multi- terminal system in presence of with and without islanding connected system" NCSMSD-2020,bapatla Engineering college,Bapatla,24th 28th October,2020. | **2020** |
| 5 | K.V. Dhana Lakshmi,S.S TulasiRam,**G. Ravi kumar**, JBV. Subbrah manyam "Micro-grid protection schemes and the role of UPFC Controller" NCSMSD- 2020, bapatla Engineering college, Bapatla,24th 28th October,2020. | **2020** |
| 6 | G.Anilkumar, **Goli ravikumar**, B.Vijayakrishna" Performance analysis of 72- pulse gto-based generalized unified power flow controller under power quality problems" NCSMSD-2020,bapatla Engineering college, Bapatla,24th 28th October,2020. | **2020** |
| 7 | **Goli Ravi Kumar**, Pavan Karthik G.Gnana Prakash," Data science Based Secure Healthcare Framework for COVID-19" NCSMSD-2020,bapatla Engineering college, Bapatla, 24th 28th October,2020. | **2020** |
| 8 | G.Gnana Prakash,**G.Ravi Kumar**,K.Kishan Chand, V.Sheela supriya" Transmission Power Minimization for IOT Based Fully Connected Cluster Using Implementation of PSO Technique" NCSMSD-2020,bapatla Engineering college, Bapatla,24th 28th October,2020. | **2020** |
| 9 | **Goli Ravi kumar**, Karra Pranathi, G.Vamsi Priya" "A Transient current based two area power transmission system protection using wavelet morphing technique" CETPSPE045,Acharya Nagarjuna University, Guntur, 13-14th March,2020. | **2020** |
| 10 | **G.Ravi kumar**, K.Pranathi,G.Vamsi Priya "Wavelet based fault analysis of two area power system network in presence of wind system" International Conference on Smart Energy Systems and Electric Vehicles (ICSESEV-2020) January 8 th -10th, 2020.V.R Sidhardha Engineering college, Vijayawada | **2020** |
| 11 | **G.Ravi kumar**, K.Pranathi,G.Vamsi Priya "Wavelet based fault analysis of two area power system network in presence of PV source" international conference on green power technology in power grid: issues, challenges & control (ICGPTPG-2019) 19th – 21st , December 2019.sri Venkateswara University,Tirupathi | **2019** |
| 12 | Manjusree Y, **Ravi Kumar Goli**, Vamsi Priya G and Ramaiah V "A Four terminal transmission line protection by Wavelet approach in the presence of SVC using Hybrid generation" to the IEEE (i-PACT 2017, 21 & 22 April 2017 at Vellore Institute of Technology, Vellore. | **2017** |
| 13 | **Goli Ravi Kumar**, Allaparthi Rohith, Ganapavarapu Priyanka and Goli Vamsi Priya "Multi-Objective Optimal Economic Emission Power Dispatch using Bat Algorithm" to | **2017** |

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| | the IEEE (i-PACT 2017) 21 & 22 April 2017 at Vellore Institute of Technology, Vellore. | |
| 14 | G.Raja Rajeswary, **G.Ravi kumar**, G.Jaya Sampurna Lakshmi and G.Anusha,"Fuzzy- Wavelet Based Transmission Line Protection Scheme In The Presence Of TCSC" IEEE- ICEEOT conference, DMI college of Engineering Chennai, Tamilnadu, India [3rd -5th March,2016. | **2016** |
| 15 | Y.Manju Sree, **G.Ravi kumar**, M.Vaidehi and G.Vamsi Priya "Wavelet Approach for Transient Current based Multi Terminal Transmission System Protection Scheme in the presence of SVC" IEEE-ICEEOT conference, DMI college of Engg, Chennai, India[3rd - 5th March,2016. | **2016** |
| 16 | Y.Manju Sree **G.Ravi kumar** Abdul Gafoor ShaikMulti-Terminal Transmission Line Protection using Wavelet Based Digital Relay in the Presence of Wind Energy Source "IEEE-ICEEOT, DMI college of Engineering Chennai, Tamilnadu, India [3rd -5th March,2016. | **2016** |
| 17 | S Chandra Shekar, **G Ravi Kumar**, SVNL Lalitha "Wavelet based Transient Fault Detection and Analysis of Micro Grid Connected Power System" 15th international conference on instrumentation, measurement, circuits and systems (imcas '16) Bali, Indonesia May 7-9, 2016. | **2016** |
| 18 | J.Uday Baskar, G.Vamsi Priya, **G.Ravi Kumar**, S.S.Tulasi Ram "Current Sample Based Wavelet-Fuzzy Protection Scheme for STATCOM Compensated Three-Terminal Transmission System".32nd National Convention of Electrical Engineers, IEI Pune, November-2016. | **2016** |
| 19 | Y Manju Sree, **Ravi kumar Goli**, V.Ramaiah"Wavelet Based Protection Scheme For Multi Terminal Transmission System With Pv And Wind Generation" International Conference on Advanced Material Technologies (ICAMT)-2016 27-28,December 2016 Dadi Institute of Engineering and Technology , Visakhapatnam, Andhra Pradesh, India. | **2016** |
| 20 | **G.Ravi kumar** ,M.Vaidehi "Wavelet Approach for Transient Current based Multi Terminal Transmission System Protection Scheme" Emerging Technologies in Electrical & Electronics Engineering (ETE)" during 29th & 30th January, 2016 at Shri Vishnu Engineering College for Women (Autonomous) Bhimavaram. | **2016** |
| 21 | **G.Ravi kumar**, M.Vaidehi, R.Kameswara Rao "Neuro-Wavelet Approach for Transient Current based Multi Terminal Transmission System Protection Scheme "2nd International Conference On Power System Analysis Control And Optimization (ICPSACO-2015)10th-12th ,Dec,2015. | **2015** |
| 22 | **G.Ravi kumar**, D.Sucharitha, V.SaiPratyusha, M.Murali Priya" Modeling of Induction Motor drive System Powered by Photo voltaic with MPPT" National Conference on emerging technologies in electrical and Electronics engineering under Tequip II ,7th- 8Th 2014, Sri Vishnu Engineering college for women, Bhimavaram. | **2014** |
| 23 | **G.Ravikumar**, M.Renu Avinash, D.Indrasena Reddy, K.Anjaneya Bhargav, "Simulated Annealing Approach to Solution of Multi-Objective Optimal economic | **2013** |

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| | Dispatch"(ISCO 2013) Jan 04- 05,2013, Coimbatore, Tamilnadu, India. | |
| 24 | **G.Ravikumar**, B.Deekshita, M.Pooja Aswini, "Differential Evolution approach to solution of multi objective optimal economic Dispatch"2nd World conference on Applied Sciences, Engineering & technology, 8-9th March, 2013, Gitam university, Hyderabad. | 2013 |
| 25 | **G. Ravikumar**, Y.C.L. Priyanka, V.H.L. Mallika,"Multy objective optimal economic dispatch Problem using Swarm Intelligent Approach" 2nd World conference on Applied Sciences, Engineering &technology,8-9th March,2013,Gitam university, Hyderabad. | 2013 |
| 26 | **G.Ravikumar**, Sk.Rasululla,G.Sumana, Md.Nusrath Sultana, V.Karthik "A Transient Current Based Transmission line protection Using Fuzzy- Wavelet Approach" (ICIEES - 2013), PSG College , Coimbattor [Dec 14, 2013] | 2013 |
| 27 | K.Saichandana, **G.Ravi kumar**, D.Ananda, Vardhini, D.Anupama "A Transient Current Based Transmission line Protection Using Neuro-Wavelet Approach" National Conference on Emerging and Innovative trends in electrical Engineering (NEITE) 27th - 28th sept, 2013. | 2013 |
| 28 | **G.Ravi kumar**,S.Tejasree, CH.Pavani P.Sajitha"Neuro-Wavelet Approach for Transient Current based Transmission line Protection Scheme" Recent Trends in Power Systems and Drive 2013, 24th -25th Jan 2013, CBIT, Hyderabad. | 2013 |
| 29 | **G.Ravikumar**, Shaik Abdul Gafoor,S.S.Tulasiram " Wavelet Based Fault Analysis of Double line Transmission System with STATCOM Controller" IISM '12, 12-14 July 2012,RVS College of Engineering & Technology, Coimbatore, Tamilnadu, India. | 2012 |
| 30 | **G.Ravikumar**, Shaik Abdul Gafoor, S.S.Tulasiram," A Transient Current Based Transmission Line Protection Using Neuro-Wavelet Approach in the Presence of Static Var Compensator " (ICAI 2012, July 16-19, USA) LosVegas, USA. | 2012 |
| 31 | **G.Ravikumar**, V.Sailakhmi, A.Susrutha "Wavelet based Double Line Transmission System protection with Static Var Compensator" SCRTEEE-2012 Githam University, Visakhapatnam On 24-25th Feb 2012. | 2012 |
| 32 | **G.Ravikumar**, R.Kameswara Rao, Shaik Abdul Gafoor, Dr.S.S.Tulasi Ram" A wavelet Analysis for Limitation of Transmission Line Faults currents with the UPFC" International conference on Power and Energy systems (ICEPES 2010) at NIT, Bhopal on Aug 26-28, 2010. | 2010 |
| 33 | **G.Ravikumar**, R.Kameswara rao, S.S.Tulasiram "Hormonic Analysis and simulation of CC-VSI for grid interactive PV system use wavelet Technique "at Dec 10-12, IEEE Conference, TENCON2010, Japan. | 2010 |
| 34 | **G.Ravikumar**, A.Deepti, D.Naveen kumar, A.Anusha"The Impact of STATCOM on distance relay using Wavelet Analysis", NSC2010, Dec 10-12, 2010 at NIT, Surathkal. | 2010 |
| 35 | **G.Ravikumar**, R.Kameswara Rao, Dr.S.S.Tulasi Ram, K.MadhusudanRao " Multi objective Dispatch for | 2010 |

| | | |
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| | Active and Reactive Power balance using particle Swarm Optimization" at PST2010,jun 29-30,Andhra University. | |
| 36 | **G.Ravikumar**, Shaik Abdul Gafoor, N.Karthik "Swarn Intelligence Approach to Solution of Multiobjective Optimal Economic Power Dispatch" ICEESPEE 2009 at SRM University, | **2009** |
| 37 | R.Kameswar Rao, **G.Ravikumar**, S.S.TulasiRam "Swarm Intelligence Approach to Solution of Multiobjective Optimal Economic Dispatch" International conference on Artificial Intelligence(ICAI¨09) ,Losvegas, USA. | **2009** |
| 38 | **G.RaviKumar**, N.karthik, B.Shanker,"Multiobjective Economic power dispatch using Genetic Algorithm" at PSOC 2009, Annamalai University, Annamalainagar. | **2009** |
| 39 | **G.Ravikumar**, R.KameswarRao, S.S.Tulasi Ram "Power flow control and transmission loss minimization with TCSC and SVC for Improving System Stability and security" ICIIS-2008 IEEE Region 10, ICIIS, at IIT, khargpur. | **2008** |
| 40 | **G.Ravikumar**, K.Ramesh" Fuzzy Set based Contingency Ranking Algorithm and Digital Simulation"in AECT 2008 at Manipal University,Manipal. | **2008** |
| 41 | **G.Ravikumar**, R.Kameswara rao,"Visual Basic Power System Security Simulator" National Conference NRAEE-2007, Vignan¨s Institute Information Technology,Visakhapatnam. | **2007** |