

PROFILE



- Name** : Dr.V.S.R.Pavan Kumar.Neeli
- Date of Birth** : 15-05-1988
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Satramapdu, Eluru, W.G.Dist, A.P, Pin: 534007
- Educational Qualifications:**

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
Ph.D. (Full-Time)	GITAM Institute of Technology	GITAM (Deemed to be University)	Power Systems and Control	2021	-----
PG	SIR C R Reddy College of Engineering	Andhra University	Power Systems and Automation	2013	First Class with Distinction
UG	Sri Vasavi Engineering College	JNTU Kakinada	Electrical and Electronics Engineering	2009	First Class with Distinction
Inter/Diploma	Sri Chaitanya Junior College	Board of Intermediate Education	M.P.C	2005	First Class with Distinction
SSC	St.Xavier's (EM) School	Board of Secondary Education	S.S.C	2003	First Class with Distinction

8. Work Experience:

Teaching: 9 years 10 months

Research: 3 years 5 months

Industry: NIL

Total: 9 years 10 months

Name of the Organization	Designation	Date From	Date To
SIR C R Reddy College of Engineering	Associate Professor	01-04-2022	Till date
SIR C R Reddy College of Engineering	Assistant Professor	01-06-2012	31-03-2022
GITAM(Deemed to be University)	Research Scholar	11-04-2017	20-09-2020
Eluru College of Engineering and Technology	Assistant Professor	07-12-2009	16-11-2010

9. Courses taught:

S.No.	Name of the subject	UG/PG
1.	Electrical Machines	UG
2.	Electrical Power Generation and Utilization	UG
3.	Power Systems-I	UG

4.	Utilization of Electrical Energy	UG
5.	Digital Control Systems	UG
6.	Digital Signal Processing	UG
7.	Signals and Systems	UG
8.	Electronic Devices and Circuits	UG
9.	Intelligent Systems and Control	PG

10. Administrative Responsibilities:

S.No.	Description	College/ Department level
1.	NBA Criteria Coordinator	Department level
2.	Techfest 2021 Coordinator	Department level
3.	External Lab Time table Member	Department level
4.	Internal Examination Memeber	Department level
5.	Anti-Ragging Committee Member	Department level

11. Research Guidance:

M.Tech.		B.Tech	
Completed	Ongoing	Completed	Ongoing
03	01	07	01

12. Research Publications in Journals (National/International):

S.No.	Author(s) Name	Title of the Paper	Name of the Journal	National/ International	Month & Year	Volume, Issue No, Page Nos	UGC/ Web of Sciences / Scopus/ SCI/Others
1.	Neeli VSR Pavan Kumar, and Nerella Sameera	Frequency Stabilization of Multi Area Autonomous Hybrid Power System Using Single and Multi-Objective ALP Swarm Algorithm	i-managers Journal on power systems engineering	International	2021	Vol. 8, No.4, ISSN: 2321-7499	UGC
2.	Nerella Sameera and V.S.R.Pavan Kumar.Neeli	INDIA's Warfare with COVID - The Invisible Enemy	European Journal of Molecular & Clinical Medicine (EJMCM)	International	2020	Vol. 7, Issue 10, pages 9-16	Scopus
3.	Neeli, VSR Pavan Kumar, and Nerella Sameera.	JAYA Algorithm Based Frequency Regulation of Thermal	Solid State Technology	International	2020	Vol.63, Issue.6 ISSN: 12535-12542	Scopus

		Power System Interconnected with Micro Grid					
4.	Neeli VSR Pavan Kumar, and Nerella Sameera	Automatic generation control of hybrid two area power system using whale optimization algorithm	i-manager's Journal on Electrical Engineering	International	2020	Vol. 14, No. 2, ISSN:0973-8835, pages-21-30	UGC
5.	Neeli VSR Pavan Kumar, and U.Salma	Fuzzy PID plus double Integral controller for Multi area Deregulated Hybrid Power system using Multi objective SSA	International Journal of Advanced Science and Technology (IJAST)	International	2020	Volume-29, Issue-4, ISSN: 2005-4238, pages: 3291-3313	SCOPUS
6.	Neeli VSR Pavan Kumar, and U.Salma	Load frequency control (LFC) Multi area Restructured Hybrid power system on Multi objective SSA	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	International	2019	Volume-9, Issue-2S3, pp.395-402, ISSN. 2278-3075	SCOPUS
7.	Neeli VSR Pavan Kumar, and U.Salma	AGC of Multi area Hybrid power system based on Multi objective optimization	International Journal of Scientific and Technology Research (IJSTR),	International	2019	Volume-8, Issue-12, pp.2532-2546, ISSN. 2277-8616,	SCOPUS
8.	Neeli VSR Pavan Kumar, and U.Salma	Automatic Generation control for Autonomous Hybrid power system using single and multi objective Salp swarm algorithm	Advances in Intelligent systems and computing (AISC)	International	2019	Volume-1039, pp.624-636,ISSN:2194-5357	SCOPUS
9.	Neeli VSR	Tuning of 2DOFPID Controller for Autonomous	International Journal of Recent Technology		2019	Volume-8, Issue-1, pp. 93-100,	SCOPUS

	Pavan Kumar, and U.Salma	Hybrid Power system: A Multi objective optimization Approach”,	and Engineering (IJRTE),	International		ISSN. 2277-3878	
10.	Neeli VSR Pavan Kumar, and U.Salma	Robust Multi Objective Control of Autonomous Hybrid Power System	International Journal of Engineering and Advanced Technology (IJEAT)	International	2019	Volume-8 Issue-4, pp.612-619, ISSN. 2249-8958	SCOPUS
11.	Neeli VSR Pavan Kumar, and U.Salma	Automatic Generation Control of Autonomous Hybrid Power System using 2DOFPID Controller	Journal of Advanced Research in Dynamical and Control Systems (JARDCS)	International	2019	Volume-11, Issue-4, pp. 2095-2106, ISSN. 1943-023X	SCOPUS
12.	Neeli VSR Pavan Kumar, and U.Salma	Differential Evolution algorithm based TID controller for Autonomous Hybrid power system	i-manager’s Journal on Electrical Engineering,	International	2019	Volume-12, Issue-2, pp.15-23, (2018)	UGC
13.	Neeli VSR Pavan Kumar	Power system stability enhancement using tilt-integral-derivative controller (TID)	IJRAET, New Engineering Journal,	International	2017	ISSN 2455-0876	Google Scholar
14.	Neeli VSR Pavan Kumar	A Novel of Primary Distribution Networks with Multiple Distributed Generator placement for Loss reduction”	International Journal of Professional Engineering Studies	International	2016	Volume-7, Issue-5, pp: 290-297,	Google Scholar
15.	Neeli VSR Pavan Kumar	Improvement of Power Quality by Employing Dual UPQC	International Journal of Advanced Technology and	International	2015	Volume-7, Issue-18, ISSN 2348-2370, pp:	Google Scholar

		with Fuzzy logic controller	Innovative Research			3671-3681	
16.	Neeli VSR Pavan Kumar	Damping of Low frequency of oscillations Using Population based Techniques for Power System Stabilizer	Elsevier Procedia Engineering	International	2012	Volume-38, pp. 1077-1083	UGC

13. Research Papers in Conferences (National/International):

S.No.	Author(s) Name	Title of the Paper	Name of the Conference/Journal	National/International	Month & Year	Page Nos
1.	Neeli VSR Pavan Kumar, Nerella Sameera, and K.Kotaiah Chowdary	Design of Load Frequency controller Using Whale optimization Algorithm	4 th International Conference on Smart Grids Structures and Materials (ICSGSM-2022)	International	2022	Yet to be Published
2.	Neeli VSR Pavan Kumar, Nerella Sameera, and Ganta Chamundeswari	Stock market Prediction using reinforcement learning-A Survey	International Conference on Contemporary Innovations in Engineering & Management in Data Sciences IOT & Computational Tecniques	International	2022	Yet to be Published
3.	Neeli VSR Pavan Kumar, and Nerella Sameera	Spotted Hyena Optimized PI-PD Controller for Frequency Control of Standalone μ -Grid Incoprating Electric Vehicles	International Conference on Emerging Technologies in Electrical Engineering	International	2021	Yet to be Published
4.	Neeli VSR Pavan Kumar, and U.Salma	Load Frequency Control (LFC) of a Multiarea Restructured	National Conference on Advances in Communication	National	2019	

		Hybrid Power system on Multiobjective SSA	Technologies			
5.	Neeli VSR Pavan Kumar, and U.Salma	Automatic Generation Control of Autonomous Hybrid Power System Using 2DOFPID Controller	Interational Conference on Advances in Signal Processing, Power, Embedded, Soft Computing, Communication and Control Systems	International	2019	
6.	Neeli VSR Pavan Kumar, and U.Salma	Optimal Tuning of PID controller for Autonomous Hybrid Power System using Swarm Intelligence techniques”	International Conference on Computational and Intelligent Techniques for Automation of Engineering Systems	International	2018	
7.	Neeli VSR Pavan Kumar	Improvement of Stability in Multi machine systems with Fuzzy logic based power system stabilizer	International Conference	International	2013	
8.	Neeli VSR Pavan Kumar	Enhancement of power system stability using fuzzy logic based Power system stabilizer	National Conference (CONCON-2012)	National	2012	
9.	Neeli VSR Pavan Kumar	Design and Dynamic Stability Enhancement Using Population Based Techniques for Power System Stabilizer	National Conference	National	2012	

14. Workshops/ FDPs/STTPs/ etc., (Attended):

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1.	One Week Faculty Development Programme on “Research Opportunities in Electrical Power Engineering”	P V P Siddhartha Institute of Technology, Vijayawada	23 rd March 2022	27 th March 2022
2.	One week online faculty development program on “Recent Advancements in Generation and control in Modern Power Systems”	GMR Institute of Technology & V R Siddhartha Engineering College	7 th March 2022	12 th March 2022
3.	One week national level online faculty development program on “Signals, Systems and Transform Techniques”	Maturi Venkata Subba Rao (MVSRR) Engineering College (Autonomous), Hyderabad.	22 nd Novemeber 2021	27 th November 2021
4.	One Week Faculty Development Programme on “Vibration and Condition Monitoring (VACM-2021)”	Vasavi College of Engineering, Hyderabad	20 th September 2021	24 th September 2021
5.	One day Webinar on “Research Metrics and Software Tools”	Research and Development Cell, Lakireddy Balireddy college of Engineering	20 th September 2021	20 th September 2021
6.	National level Webinar on “A Complete Pathway of Research for Young Researchers”	Sri Venkteswara college of Engineering and Technology, Etcherla, Srikakulam, Andhra Pradesh 30 th June 2021	30 th June 2021	30 th June 2021
7.	International Webinar on “How to publish in A grade/SCI indexed journals”	GSSS Institute of Engineering and Technology for Women, Mysuru in Association with IEEE Mysore Sub Section and IEEE Bangalore Section	14 th June 2021	14 th June 2021
8.	One Week Short Term Training Program on “Automation and Intelligent Control of Electrical Systems-Phase-IV”	Gudlavalleru Engineering college, Gudlavalleru	15-03-2021	20-03-2021
9.	AICTE sponsored Two Week Online Faculty Development Programme (Phase-I), on	Rajeev Gandhi Memorial College of Engineering and	15-02-2021	

	"Renewable Energy Intervention In Industry, Commercial And Domestic Application"	Technology, Nandyal, Andhra Pradesh		27-02-2021
10.	Two day Webinar on "Energy Efficient Distribution Systems (EEDS-2021)"	Dept of EEE, Silicon Institute of Technology, Bhubaneswar in association with IEEE PES chapter from 8 th -9 th th January 2021.	08-01-2021	09-01-2021
11.	AICTE Sponsored One Week National Level Online Short Term Training Program on "Recent Trends and Challenges in Power Market with Smart Grid Technology (Phase-II)"	V R Siddhartha Engineering College, Vijayawada	28/12/2020	02/01/2021.
12.	AICTE Sponsored Six days Online Short Term Training Program on "Technical writing and Research Methodology"	Chaitanya Bharathi Institute of Technology, Proddatur	28/12/2020	03/01/2021.
13.	AICTE One week Online Short Term Training Program (Phase-3) on "Electrical Vehicles: A Green Approach for Sustainable Development of Transportation in INDIA"	Vasireddy Venkatadri Institute of Technology, Nambur	14-12-2020	19-12-2020
14.	AICTE One week Online Short Term Training Program (Phase-2) on "Recent Trends in Power Electronics & IoT Applications to Electrical Vehicles"	Vasireddy Venkatadri Institute of Technology, Nambur	23-11-2020	28-11-2020
15.	Webinar on "Recharge Yourself"	Arasu college of Education for women and Ponkalamman College of education, Karur	20-11-2020	20-11-2020
16.	Two day National level Webinar on "Smart Grids in Electrical Engineering (SGEE-2020)"	Andhra University College of Engineering, Visakhapatnam,	25-09-2020	26-09-2020
17.	Online Short Term Training Program (Sponsored by TEQIP-III) on "Power Electronic Applications to Industrial Systems"	National Institute of Technology (NIT) Silchar, Assam	07-09-2020	11-09-2020
18.	Five Day Online Workshop on "The Development of the Energy Internet of Things (eIoT) in Green Energy Infrastructure"	National Institute of Technology (NIT) Silchar, Assam	01-09-2020	05-09-2020
19.	Oneday Webinar on "Python for Machine Learning, Artificial	GITAM School of Technology,	06-09-2020	

	Intelligence and Data Science”	Bengaluru		06-09-2020
20.	Webinar on “Cyber Threats and Data Breaches ”	SRKR Engineering College, Bhimavaram	29-08-2020	29-08-2020
21.	Faculty Development Program on “Intellectual Propert Rights”	Organized by TCS	26-08-2020	28-08-2020
22.	Webinar on “Industrial Electrical Systems in association with L&T Electrical & Automation”	SIR C R Reddy College of Engineering, Eluru	27-06-2020	27-06-2020
23.	One day National Workshop on “Transition of Power Sector in INDIA to Meet Futuristic Energy Needs, Challenges and Issues”	GITAM (Deemed to be University), Visakhapatnam,	21-02-2019	21-02-2019
24.	One week Hands on Training Program on “Photovoltaic Systems and DC Microgrids”	Andhra University College of Engineering, Visakhapatnam	17-12-2018	21-12-2018
25.	Two Day Hands on workshop on “Metaheuristic Optimization in Multidisciplinary Research”	Andhra University College of Engineering, Visakhapatnam,	26-10-2018	27-10-2018
26.	Two Day workshop on “Green Energy & Smart Grids”	PVP Siddhartha Institute of Technology, Vijayawada	20-07-2018	21-07-2018
27.	Two Day workshop on “MATLAB FOR ENGINEERING APPLICATIONS”	SIR C R Reddy college of Engineering,Eluru	12-02-2016	12-02-2016
28.	One Day workshop on “PLC Programming & Applications”	HITECH Automation, Vijayawada and conducted at SIR C R Reddy college of Engineering	01-03-2015	01-03-2015

15. No of Patents (Filed/Granted):

S.No.	Title	Application Number	Year	Filed/Granted
1.	Hybrid AI architecture for analysis of charging profile of Electric Vehicles	202131040276	2021	Filed

16. Professional Memberships:

S.No.	Name of the Professional Body	Membership No.	Membership Type
1.	Associate Member of Institute of Engineers (INDIA) (AMIE)	AM1638354	LifeTime

17. Special Achievements (If any):

- Completed Research Work (Ph.D) in three years with good publications.
- Filed an Indian Innovation Patent named “Hybrid AI architecture for analysis of charging profile of Electric Vehicles ”
- Acted as a Department Staff Co-ordinator for the online Techfest 2K21.
- Participated and won First place in 44th A.P.College Teacher’s Badminton (Shuttle) Tournament held at SIR C R Reddy College of Engineering, Eluru on 28th & 29th January 2017.
- Secured 26th rank in Visvesvarayya Ph.D scheme-2016
- Ratified faculty from Andhra University.
- Stood as Class topper for 1st year at Post Graduation (M.E) level
- Stood as Class topper for 3rd year at Graduation (B.Tech) level.
- Mini project named “Advance Drive Motor and its Control Through PLC” was done at Visakhapatnam Steel Plant at college level.
- Mini project named “Manufacturing of Stator Coils” was done at BHEL, Hyderabad at college level.
- Member of LEE association at college level.

18. Personal Details:

- (a) Father’s Name : (Late) N.Koteswara Rao
- (b) Mother’s Name : N.Venkata RajyaLakshmi
- (c) Gender : Male
- (d) Marital Status : Married
- (e) Religion : Hindu
- (f) Nationality : INDIAN
- (g) Languages Known : English, Telugu, Hindi
- (h) Hobbies : Reading research papers, Listening Music

Signature