

FACULTY PROFILE

1. **Name** : Dr. S. N. V. Bramareswara Rao
2. **Designation** : Associate Professor
3. **Department** : Electrical and Electronics Engg.
4. **Date of Joining** : 22-06-2015
5. **Nature of Employment:** Regular
6. **Date of Birth** : 21-02-1987
7. **Unique ID (AICTE FID)** : 1-2658666442
8. **Email** : snvbrao.eee@gmail.com
9. **Phone** : +91-8106108690
10. **Address for communication:**



C/O S. Srinivasa Rao, Door No: 28-1-92, Vijayasri Apartment, Flat No-203, Santhi Nagar 4th Line, Eluru, Andhra Pradesh, India-534007.

11. Educational Qualifications:

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
Ph.D.	A U College of Engineering, Visakhapatnam	Andhra University	Microgrids (Electrical Engineering)	2022	--
PG (M.E)	Sir C R Reddy College of Engineering, Eluru.	Andhra University	Power systems and automation	2015	Distinction With 9.25 CGPA
UG (B.E)	Sir C R Reddy College of Engineering, Eluru.	Andhra University	Electrical and Electronics Engineering	2008	Distinction With 76.53%
Intermediate	KPR & JL Siddhartha Jr. college, Eluru.	Inter	M.P.C	2004	Distinction With 89.6%
SSC	St. Xavier's T.M High School, Eluru.	SSC	--	2002	Distinction With 83.3%

12. Thesis Details:

Ph.D. –“Study of Energy Management and Power Quality aspects of Interconnected Microgrids”.

M.E. – “Performance analysis and Placement of SFCL & FCC to mitigate Fault Currents in Smart Grids with Different types of Distributed Generation Sources”.

13. Work Experience:**Teaching: 14****Research: 5****Industry: 0****Total: 14**

Name of the Organization	Designation	Date From	Date To
Sir C R Reddy College of Engineering, Eluru.	Associate Professor	01-11-2022	Till date
Sir C R Reddy College of Engineering, Eluru.	Assistant Professor	22-06-2015	31-10-2021
Ramachandra College of Engineering, Eluru.	Assistant Professor	02-06-2014	15-06-2015
Sir C R Reddy College of Engineering, Eluru.	Assistant Professor	13-06-2008	07-12-2012

14. Courses taught:

S. No.	Name of the subject	UG/PG
1	Power System Analysis & Stability	UG
2	Power System Operation and Control	UG
3	Electrical Measurements	UG
4	Signals and Systems	UG
5	Digital Control systems	UG
6	Power Electronics	UG
7	Linear Integrated Circuits and its applications	UG
8	Pulse and Digital Circuits	UG
9	Instrumentation	UG
10	Advanced Drives and Control	PG

15. Administrative Responsibilities handled:

S. No.	Description	College/ Department
1	IQAC Coordinator	Department
1	Guest Lectures/Workshops In-charge	Department
2	Timetables In-charge	Department
3	Electrical workshop lab in-charge	Department
4	Techfest-2018 Department co-coordinator	College
5	Department Level coordinator of games	College
6	Anti-ragging Committee member	College
7	Alumni Coordinator	College

16. Research Guidance:

M. Tech.		Ph.D.	
Completed	On going	Completed	On going
03	NIL	NIL	NIL

17. Research ID's(Links):

<https://scholar.google.com/citations?user=UAXd788AAAAJ&hl=en> (**Google Scholar**)

<https://www.scopus.com/authid/detail.uri?authorId=57202995366> (**Scopus**)

<https://www.webofscience.com/wos/author/rid/AAI-5661-2021> (**Web of Science**)

<https://orcid.org/0000-0002-1538-2270> (**ORCID**)

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

S.No.	Author(s) Name	Title of the Paper	Name of the Journal	National/International	Month & Year	Vol., Issue, Pages	Index
1	S. N. V. Bramareswara Rao , Y. V. Pavan Kumar, Md. Amir, Furkan Ahmad	An Adaptive Neuro-Fuzzy Control Strategy for Improved Power Quality in Multi-microgrid Clusters	IEEE Access	International	Dec. 2022	vol. 10 128007-128021	SCIE
			https://doi.org/10.1109/ACCESS.2022.3226670				
2	S. N. V. Bramareswara Rao , N. Rama Narayana, T. Deepthi Prasanna, MSNL Narasimha Rao	Fault Detection in Cluster Microgrids of Urban Community using Multi-Resolution Technique based Wavelet Transforms	IJRER	International	Sep. 2022	vol. 12, Issue-3, 1204-1215	ESCI
			https://doi.org/10.20508/ijrer.v12i3.13129.g8505				
3	S. N. V. Bramareswara Rao , Y. V. P. K, Padma K, Pradeep DJ, Reddy CP, Amir M, Refaat SS	Day-ahead Load Demand Forecasting in Urban Community Cluster Microgrids Using Machine Learning Methods	Energies	International	Aug. 2022	vol. 15, issue-17	SCIE
			https://doi.org/10.3390/en15176124				
4	Kumar YVP, S. N. V. B. Rao , Padma K, Reddy CP, Pradeep DJ, Flah A, Kraiem H, Jasiński M, Nikolovski S	Fuzzy Hysteresis Current Controller for Power Quality Enhancement in Renewable Energy Integrated Clusters	Sustainability	International	April 2022	vol. 14, issue-8	SCIE
			https://doi.org/10.3390/su14084851				
5	S. N. V. Bramareswara Rao , Kumar YVP, Pradeep DJ, Reddy CP, Flah A, Kraiem H, Al-Asad JF	Power Quality Improvement in Renewable-Energy-Based Microgrid Clusters Using Fuzzy Space Vector PWM Controlled Inverter	Sustainability	International	April 2022	vol. 14, issue-8	SCIE
			https://doi.org/10.3390/su14084663				
6	S. N. V. Bramareswara Rao , Kottala Padma	ANN based Day-Ahead Load Demand Forecasting for Energy Transactions at Urban Community Level with Interoperable Green Microgrid Cluster	IJRER	International	Mar. 2021	vol. 11, issue-1, 147-157	ESCI
			https://doi.org/10.20508/ijrer.v11i1.11731.g8121				

7	S. N. V. Bramareswara Rao , Kottala Padma	Control of Grid Frequency under Unscheduled Load Variations: A Two Layer Energy Management Controller in Urban Green Building's	IJRER	Inter national	Dec. 2020	vol. 10, issue-4, 1951-1961	ESCI
https://doi.org/10.20508/ijrer.v10i4.11549.g8097							
8	S. N. V. Bramareswara Rao , Y. V. Pavan Kumar, Kottala Padma	Implementation of Minigrid with Hybrid Renewable Energy Sources for Urban Community Buildings	IJRTE	Inter national	Nov. 2019	vol. 8, issue-4, 10882-10992	Scopus
https://doi.org/10.35940/ijrte.D4412.118419							
9	T. D. Prasanna, S. N. V. Bramareswara Rao , P. Lalitha	An Efficient Hybrid Controller for ON Grid PV System with Improved Power Quality Features	IJR	Inter national	June 2019	vol. 8, issue-6, 6924-6931	UGC
10	S. N. V. Bramareswara Rao , Y. V. Pavan Kumar, Kottala Padma	Framework for Forming Minigrids by Interfacing Urban Community Buildings	IJPAM	Inter national	April 2018	vol. 118, issue-24, pp.1-19	UGC
11	Y. N. Mounika, J. Ayyappa, S. N. V. Bramareswara Rao ,	Modeling and Design of Hybrid Control Strategy for Power Quality Improvement in Grid Connected Renewable Energy Source	IJEAT	Inter national	Dec. 2017	vol. 7, issue-2, pp.75-82	UGC
12	S. N. V. Bramareswara Rao , Shyam Mohan S Palli	Analysis & Positioning of Resistive Super Conducting Fault Current Limiters in Smart Grids	IJEAR	Inter national	June 2014	vol. 1, issue-4, 72-76	UGC

***ESCI -Indexed in both Scopus and Web of Science**

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

S.No.	Author Name	Title of the Paper	Name of the Conference	National/ Inter national	Month & Year
1	Kottala Padma, S. N. V. Bramareswara Rao	A Hierarchical Multi Agent based Coordinated Control for the Interoperable Microgrids Cluster at Urban community	International Conference on Engineering Research & Technology Transfer, Ethiopia	Inter National	May 2021

2	S. N. V. Bramareswara Rao , Kottala Padma	A Review on Schemes for Interconnecting Microgrids of Urban Buildings	LNEE, Springer (Scopus)	Inter National	April 2021
			https://doi.org/10.1007/978-981-15-3828-5_45		
3	S. N. V. Bramareswara Rao , Shyam Mohan S Palli, Kottala Padma	Operation and control of wind/ solar/ diesel generator based hybrid microgrid in grid connected mode under fault conditions	IEEE Conference (Scopus)	Inter National	Aug. 2018
			https://doi.org/10.1109/ICECDS.2017.8389511		
4	S. N. V. Bramareswara Rao , Shyam Mohan S Palli	Placement of smart fault current controller to mitigate fault currents in smart grids with different DG's	National Conference in power systems	National	May 2014

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

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	One week online FDP on Hybrid Electric Vehicles	GMRIT, Rajam and V.R. Siddhartha Engg., college, Vijayawada	21-11-2022	25-11-2022
2	Five day online STC on Research Opportunities in Power Electronics	Tirumala Engineering College, Narsaraopet	26-06-2020	30-06-2020
3	Five day online FDP on Recent trends in Power Electronics and Energy Storage Systems	Vardhaman Engineering College, Hyderabad	10-06-2020	14-06-2020
4	A two week FDP on AI,ML,DL	Ramachandra college of Engg, Eluru	20-01-2020	01-02-2020
5	Effects of Wind on structural and Facade design and Simulation of actual atmospheric boundary layer and studies in the wind tunnels	SIRCRRCOE, Eluru	14-12-2018	
6	A three day workshop and evaluation of research works	SIRCRRCOE, Eluru	17-07-2019	19-07-2019
7	Instructional design and delivery system	SIRCRRCOE, Eluru	04-12-2017	09-12-2017
8	Fuzzy logic and Neural Networks	SIRCRRCOE, Eluru	12-07-2011	

21. Patents:

- 1) Arshad Md., S. N. V. Bramareswara Rao, M. A. Raheem, Mohd Hasham Ali, G. Ravi Kiran, " Multi Antenna Supporter", **Deign Indian Patent**, Application No. 380823-001, Cbr No. 202862, Cbr date 05/03/2023 (**Under Examination**)
- 2) S. N. V. Bramareswara Rao, N. V. S. R. Pavan Kumar, L. Vamsi Narasimha Rao, K. Kotaiah Chowdary, N. Rama Narayana, T. Deepti Prasanna, T. Kranti Kiran, A Durga Prasad, "Artificial Intelligence Based Load Demand Forecasting for Green Microgrid Cluster", **Indian Patent**, Application No. 202241076962 A, published date 06/01/2023.

- 3) Kottala Padma, S. N. V. Bramareswara Rao, A. Surya Prakasa Rao, Y. V. Pavan Kumar, M. Manogna, Satyanarayana B, G. Gantaiah Swamy, K. Ram Charan, "Hybrid Renewable Energy System Covering Energy Storage Device Coordination Method", **Indian Patent**, Application No.202241039576 A, published date 15/07/2022.

22. Reviewer of following journals:

- 1) Cybernetics and Systems (**SCIE**)
- 2) IEEE Access (**SCIE**)
- 3) International Journal of Ambient energy (**ESCI**)
- 4) Bulletin of Electrical Engineering and Informatics (**Scopus**)
- 5) Indonesian Journal of Electrical Engineering and Computer Science (**Scopus**)
- 6) International Journal of Power Electronics and Drive Systems (**Scopus**)

23. Professional Memberships:

S.No.	Name of the Professional Body	Membership No.	Membership Type
1	MISTE	LM 80737	Life Time

24. Fellowship Received:

- 1) MHRD stipend for doing **M.E.** from government of India.
- 2) Visvesvaraya Fellowship for completion of **Ph.D.** from Digital India Corporation, Government of India with unique ID: MEITY-PHD-2367.

25. Details of Personal Blogs/ Educational YouTube Channels/ e content (if any):

Personal Blog: Bramareswararao.blogspot.com

Power System Analysis playlist:

<https://www.youtube.com/playlist?list=PLdzhX8ESR4Xc9FvmnSXgnRgQ8MYyOVy0Z>

Signals and Systems playlist:

<https://www.youtube.com/playlist?list=PLokEvIN0a5sgd8CYZtzX3WTPAwPbhQag4>

26. Special Achievements (If any):

- 1) Qualified in Gate-2012.
- 2) Registered Ph.D. in Andhra University under Visvesvaraya Ph.D. fellowship scheme, supported by Digital India Corporation, Govt. of India.
- 3) Resource person in "Induction Training of Stipendiary cadet trainee police constables at DTC, West Godavari, A.P, India, 2018.
- 4) Ratified as an Assistant Professor in Andhra University, Visakhapatnam.
- 5) Ratified as an Assistant Professor in Jawaharlal Nehru Technological University, Kakinada.
- 6) Observer for AP SLPRB Examination 2023.