BIO-DATA

1. **Name and full correspondence address**
   Dr.K.Harinadha Reddy,
   Professor, EEE,
   Laki Reddy Bali Reddy College of Engineering, LB Nagar, Mylavaram,
   Krishna (Dt), Andhra Pradesh - 521230, India.

2. **Email(s) and contact number(s)**
   Email: kadapa.hari@gmail.com
   Contact number: +91 9885078932

3. **Institution**
   Laki Reddy Bali Reddy College of Engineering, LB Nagar, Mylavaram,
   Krishna (Dt), Andhra Pradesh - 521230, India.

4. **Date of Birth**
   02/07/1974

5. **Gender (M/F/T)**
   Male

6. **Category Gen/SC/ST/OBC**
   Gen

7. **Whether differently abled (~~Yes~~/No)**

8. **Academic Qualification (Undergraduate Onwards)**

	Degree	Year	Subject	University/Institution	% of marks
1.	B.Tech	1997	Electrical and Electronics Engineering	Karnataka	65 % - First Class
2.	M.Tech	2006	Electrical Power Systems-HV	JNTU-Kakinada	76 % - First Class with Distinction
3.	Ph.D	2012	Electrical Power Systems	Andhra University	'A' Grade

9. **Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.**
   Ph.D thesis title: ADAPTIVE POWER SYSTEM STABILIZER BASED ON HYBRID FUZZY-GENERALIZED REGRESSION NEURAL NETWORK
   Guide's Name: Dr.K.R.Sudha
   Institute/Organization/University: Andhra University
   Year of Award: 2012

10. **Work experience (in chronological order).**

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Graduate Engineer Trainee	G.R.Cables Ltd, Balanagar (Md), Mahaboob Nagar(Dt), A.P.	May1997	Oct1998	8000

S No					
2	Lecturer	Vazir Sultan College of Engg, Khammam Dt, A.P.	Oct1998	Oct2003	8000-275-13500
3	Assistant Professor	L.B.R College of Engineering(A), Mylavaram, Krshna Dt, A.P.	Nov 2003	June2006	8000-275-13500
	Associate Professor		Jun2006	May2011	12000-420-18,300
	Professor		Jun2011	Oct 2015	16400-450-20900-500-22400
4	Professor	K L University, Green Fields, Vaddeswaram, Guntur Dt, A.P.	Oct 2015	Jun 2017	15600-39,100(AGP:6000)
5	Professor	L.B.R College of Engineering(A), Mylavaram, Krshna Dt, A.P.	Jun 2017	Till Date	16400-450-20900-500-22400

11. **Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.**

S.No	Name of Award/ Certificate, Fellowship	Awarding Agency	Year
	Ph. D Guided		
1	**Supervisor for Ph. D scholar**	**Ph. D awarded by KL university**	**2022**
	Fellowship received		
1	IEEE Membership	IEEE (VALUED IEEEMEMBER FOR7YEARS VALID THROUGH 31 DECEMBER 2022)	2022
2	IETE Fellowship	IETE	2011 (Life time)
3	IE(I) Associate Membership	Institute of Engineers	2011 (Life time)

12. **Publications (List of papers published in SCI Journals, in year wise descending order).**

S. No	Author(s)	Title	Name of the Journal	Volume, Issue	Page	Year
1.	K. Harinadha Reddy	Soft computing fuzzy set through knn−ML to identify islanding state of integrated electrical grid at different operational events	International Journal of Electrical Power & Energy Systems **(Elsevier-Impact Factor 4.63)**	vol. 136	107615	2022
2.	K. Harinadha Reddy	Maximizing energy tracking in photovoltaic grid-connected system through modified tunicate swarm	Energy Sources, Part A: Recovery, Utilization and Environmental	vol. 44, no. 1	1620-1639	2022

		algorithm – control on environmental effect of irradiance conditions	Effects **(Taylor and Francis - Impact Factor 3.44)**			
3.	Ch. Rami Reddy, K. Harinadha Reddy, Flah Aymen, B. Srikanth Goud, M. Bajaj, M. J. Abdulaal and A.H. Milyani	Hybrid ROCOF Relay for Islanding Detection	Journal of Electrical Engineering & Technology **(Springer-Impact Factor 1.06)**	vol. 44, no. 1	51-60	2022
4.	K. Harinadha Reddy	Modified SRFPLL harmonic support island detection in integrated electric grid	Electrical Engineering **(Springer-Impact Factor 1.83)**	online (22nd Jul, 2020)	online	2021
5.	K. Harinadha Reddy	Machine learning soft computing fuzzy set to identify ubiquitous integrated network state at different AM operations	International Journal of Ad Hoc and Ubiquitous Computing (Inderscience-**Impact Factor 0.65)**	vol. 38, no. 4	219-230	2021
6.	K. Harinadha Reddy	Variable converter Pulse Island test in integrated distributed generation of electrical energy system	International Transactions on Electrical Energy Systems **(John Wiley & Sons, Inc.- Impact Factor 2.86)**	vol. 31, no. 7	e12930	2021
7.	Raghu Thumu, Kadapa Harinadha Reddy and Chilakala Rami Reddy	Unified power flow controller in grid-connected hybrid renewable energy system for power flow control using an elitist control strategy	Transactions of the Institute of Measurement and Control **(SAGE Journals - Impact Factor 1.649)**	vol. 43, no.1	228-247	2021
8.	K. Harinadha Reddy and S.Govinda Raju	Enhancing energy system security and stability–a novel approach using PSO support islanding detection in a grid connected distributed energy system and environmental effects of	Energy Sources, Part A: Recovery, Utilization and Environmental Effects **(Taylor and Francis - Impact**	online (22nd Jul, 2020)	online	2020

		grid faults	Factor 3.44)			
9.	Ch. Amarendra and K. Harinadha Reddy	Performance analysis intelligent-based advanced PSO algorithm and testing of real-time matrix converter electrical system	Soft Computing **(Springer-Impact Factor 3.05)**	vol. 24, no. 18	14209-14220	2020
10.	Ch. Rami Reddy and K. Harinadha Reddy	A New Passive Islanding Detection Technique for Integrated Distributed Generation System Using Rate of Change of Regulator Voltage Over Reactive Power at Balanced Islanding	Journal of Electrical Engineering & Technology **(Springer-Impact Factor 0.736)**	vol. 14, no. 2	527-534	2019

13. Detail of patents.

S.No.	Patent Title	Name of the Applicants(s)	Patent No.	Award Date	Agency/ Country	Status
1.	KMC-ML BASED HPCSP ISLANDING DETECTION ALGORITHM TO ESTIMATE THE DG INTEGRATED NETWORK STATE	K.Harinadha Reddy	2021410 54714	Published on Jan 2022	India	Published
2.	ECONOMIC ASPECT DESIGNING OF PROTOTYPE LABORATORY MULTIPHASE INDUCTION MACHINE AND VALIDATION OF PERFORMANCE ANALYSIS	K.Harinadha Reddy, B. Jyothi,	2020410 45361	Published on March 2021	India	Published

14. Books/Reports/Chapters/General articles etc.

S.No.	Title	Author's Name	Publisher	Year of Publication
1	Balanced Islanding Detection of Integrated Distributed Generation	K.Harinadha Reddy	LAMBERT Academic Publishing	2018
2	Harmonic Compensation with Power Converter based DG : A Detailed Study	K.Harinadha Reddy	LAMBERT Academic Publishing	2020

15. **Any Other Information (maximum 500 words)**

i) Worked as Dean R&D, HOD/EEE, in present institution i.e. LBR College of Engineering

ii) Controller Examinations in LBR College of Engineering (2013-15): Autonomous status was fulfilled for 2 UG/PG programmes.

iii) BOS chairman (2011-2013): Syllabus and structure of B.Tech/EEE programme was developed association with board of studies member.

iv) CAC Member Secretary (2013-15): 10 point grade system was developed and approved by academic council members. Many other policy matters (dean posts, modifications in grade system and so on) approvals had been done.

v) Leading many committees like

Research committee

Discipline Committee

Examination Reformation Committee

Professional body Membership Committee

Central Library Reformation Committee

ACT AS RESOURCE PERSON FOR WORKSHOPS:

- Resource Person to deliver guest lecture on Artificial intelligence techniques for integrated renewable energy systems, Andhra Loyola Institute of Engineering and Technology, vijayawada, Vijawada, Krishna District, on 29 Jun 2021.

- Resource Person to deliver guest lecture on Integration of Renewable Energy Systems- Research Tools / Industrial Perspective, Lakireddy Bali Reddy College of Engineering (Autonomous), Mylavaram, on 18, May 2020.

- Resource Person to deliver guest lecture on Advanced methods in power System Engineering, Universal College of Engineering, Guntur, Guntur District, on 14 Dec 2018.

- Resource Person to Seminar on Fuzzy Systems in Electrical Engineering applications, Chalapati Institute of Technology, Guntur District, on 04 March 2017.

- Resource Person to deliver guest lecture on AI Techniques for Electrical Engineering applications, Kallam Haranadha Reddy Institute of Technology, Guntur District, on 23 Dec 2016

- Acted as resource person for workshop on "Research Tools in Electrical Engineering", November 2014, LBRCE.

- Acted as resource person for workshop on "Teacher Trainning Programme", November 2012, LBRCE.

- Acted as resource person to deliver guest lecture on "Use of FACT Devices in Power System Operation", March 2005, VSCE, Khammam.