



E-mail: [korrachinna@gmail.com](mailto:korrachinna@gmail.com)  
[korrachinna@kakatiya.ac.in](mailto:korrachinna@kakatiya.ac.in)

**Dr. KORRA CHEENA**  
**Assistant Professor & Chairperson BoS & TPO**  
**Member IEI (M-1761085), Project Coordinator UBA Unit**  
**Department of Electrical & Electronics Engineering**  
**University College of Engineering**  
**(Kakatiya University), Kothagudem**  
**BhadradriKothagudem Dist. Telangana, India - 507118**

## BIO-DATA

1. Name : KORRA CHEENA
2. Father's Name : KORRA BALYA
3. Qualifications : B.Tech (K.U), M.Tech (NIT), PhD (IIT)
4. Department & College : Electrical & Electronics Engineering  
University College of Engineering  
Kothagudem
5. Date of appointment in K.U. : 05-05-2010
6. Place of Birth : Kamepalli
7. Gender (Male/Female) : Male
8. Marital Status : Married
9. Community : Lambadi (ST)
10. Nationality : INDIAN
11. Address for correspondence : Quarter No:T-12, Professors Quarters  
University College of Engineering  
Kakatiya University  
M.E.Complex Kothagudem  
BHADRADRIKOTHAGUDEM (Dist),  
TELANGANA, INDIA, Pin: 507118
12. Permanent Address : H.No:2-21  
Korrathanda (Village)  
Kamepalli (Post & Mandal)  
KHAMMAM (Dist.), TELANGANA – 507122
12. Phone Numbers : Mobile : 8330952073,  
9985590968
13. E- Mail : [korrachinna@gmail.com](mailto:korrachinna@gmail.com)  
[korrachinna@kakatiya.ac.in](mailto:korrachinna@kakatiya.ac.in)
14. WhatsApp Number : 8330952073
15. Family Members :

1	Korra Baju	Mother
2	Korra Puthili Bai	Wife
3	Korra Phanindra Chowhan	Son



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### 1. Education:

Degree	Title	Date and Year of Award	Pass Division	University
Ph.D	Design of Efficient techniques for Wireless Sensor Networks based Smart Grids	08-08-2022	--	I.I.T(ISM) Dhanbad
M.Tech	Electrical Instrumentation & Control Systems	August 2006	First Class 7.20 CGPA	N.I.T Calicut KERALA
B.Tech	Electrical & Electronics Engineering	May 2002	First Class 64.48 %	Kakatiya University
Intermediate	MPC	April 1998	First Class 72.50 %	APRJC Krishnasagar
S.S.C	--	March 1996	First Class 75.84 %	ZPHS Kamepally

### 2. Appointments held prior to joining in the Kakatiya University

Designation	Name of Employer	Date of		Salary with Grade	Reason of leaving
		Joining	Leaving		
Assistant Professor	KITS Warangal	26-06-2006	04-05-2010	8000-15600	University

### 3. Posts held after appointment in the Kakatiya University

Designation	Department	Date of actual joining	
		From	To
Officer-in-charge	Building Maintenance	01-08-2010	31-07-2012
Nodal Officer Finance	TEQIP - II	05-09-2014	30-08-2016
Joint Director Hostel	Hostels	09-12-2016	28-12-2018
Head of Department	EEE	21-01-2017	21-08-2021
Officer-In-Charge	Electrical Maintenance	04-07-2017	03-07-2018
Member	BOS in EEE	2018-10-05	2020-04-10
Convener	TSECET & TSEAMCET-Admissions	05-10-2020	05-10-2021
Joint Director	Girls Hostel	06-01-2021	06-01-2022
Member	BOS in EEE	2020-10-05	2022-07-04
Project Coordinator	Unnat Bharath Abhiyan (UBA)	2021-04-06	Till Date
Chairperson	BOS in EEE	2022-07-05	Till Date
Placement Officer	TPO	07-01-2021	Till Date
<b>Member IEI (M-1761085)</b>	The Institution of Engineers (India)	24-06-2022	--



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### **Journals:**

- [1] Korra Cheena, Tarachand Amgoth, and Gauri Shankar, "Deep Q-probabilistic algorithm based rock hyraxes swarm optimization for channel allocation in CRSN Smart grids," *Wireless Networks (Q2)*, (Springer), 28, 2553–2565 (2022). <https://doi.org/10.1007/s11276-022-02985-z>. (IF: 2.602)
- [2] Korra Cheena, Tarachand Amgoth, and Gauri Shankar, "PID Controller Based Self-Healing of Distribution System Using Wireless Sensor Networks in Smart Grids," *International Journal of Communication Systems (Q3)*, (Wiley), <https://doi.org/10.1002/dac.5095>, (2021). (IF: 2.047)
- [3] Korra Cheena, Tarachand Amgoth, Gauri Shankar, "Emperor Penguin Optimized Self-Healing Strategy For WSN Based Smart Grids" *International Journal of Sensor Networks [IJSNET-262721]-2019*.
- [4] Korra Cheena, "Modeling, Analysis and Simulation of Active Magnetic Bearing for two axis position control of Shaft ," *International Journal of Advances In Electrical Power System And Information Technology (IJAEPSIT) ISSN (ONLINE): 2395-6151, VOLUME-2, ISSUE-2, vol. 25, no. 5, pp. 21–27, Feb. 2016*.
- [5] Velishala Ramu, Korra Cheena, "THD Analysis of Three Phase Cascaded Multilevel Inverter with Different PWM Techniques" *International Journal for Science and Advanced Research in Technology (IJSART)-Volume 4 Issue 3 – MARCH 2018 ISSN [ONLINE]: 2395-1052*
- [6] Korra Cheena, "Research Review: Self-healing Techniques in Smart Grid Environment" *International Journal of Research (IJR), VOLUME-8, ISSUE-6-June-2019-1, DOI:16.10089.IJR.2019.V8I6.285311.236444*.
- [7] Korra Cheena, "Self-Healing Besides Restoration Methods in Smart Grid Distribution Networks" *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN: 2278–3075 (Online), Volume-9 Issue-6, April 2020, Page No. 1123-1128. <http://www.ijitee.org/wp-content/uploads/papers/v9i6/E2938039520.pdf>
- [8] Korra Cheena, "Relative Performance of PI and MFFN Based IPFC on Damping of Power System Oscillations", *International Journal of Research* p-ISSN: 2348-6848 E-ISSN: 2348-795X , Volume 02, Issue 03, Pages 837-843, March 2015. <https://edupediapublications.org/journals/index.php/IJR>



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### ***Conference Paper:***

- [1] Korra Cheena, Tarachand Amgoth, and Gauri Shankar, “Deep learning-based black hole detection model for wireless sensor network in smart grid,”InCITe2022 (International Conference on Information Technology: Next Generation Technology Summit), Presented, Amity University, India.
- [2] Korra Cheena, “Modeling, Analysis and Simulation of Active Magnetic Bearing for two axis position control of Shaft”, in: 2016 in 15<sup>th</sup> International Conference on Instrumentation , Electrical and Electronics Engineering (ICIEEE 2016), pp. 20–25.

### ***Subjects Taught:***

1. Control System Engineering
2. Network Analysis and Synthesis
3. Power Electronics
4. Electrical Measurements
5. Digital Control System
6. Electrical Circuits - I & II
7. Circuit Theory
8. Power System Operation and Control
9. Basic Electrical Engineering
10. Smart Grid Technologies

### ***Research Scholars:***

1. Smt K. Sumalatha

Research Title : Modeling and control of hybrid AC/DC Micro Grids

### ***Gate 2004:***

Percentile Score: 70.25

All India Rank: 5567 / 19200 (EE)

### ***Programmes Participated:***

#### ***a. Orientation Course:***

Participated in a 4 weeks (24 Working days) UGC Sponsored “**36<sup>th</sup> Orientation Course**” from 18-11-2013 to 14-12-2013 and obtained “A” Grade at UGC-Academic Staff College, **JNTU Hyderabad**.

#### ***b. Refresher Courses:***

Participated in a 3 weeks (18 Working days) UGC Sponsored “*Integration Programme under Refresher Course Scheme of UGC on **Research Methodologies***” from 10-11-2014 to 29-11-2014 and obtained “A” Grade at UGC-Academic Staff College, **JNTU Hyderabad**.



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### **c. Faculty Development Programmes:**

- [1] Participated in the One Week National Training Programme on “**Wireless Sensor Networks**” from Dec 18, 2017 to Dec-22, 2017, under “Faculty Development Centre”, Organized by Department of Computer Science & Engineering, at **IIT(ISM) Dhanbad**.
- [2] Participated in the Course on “**Recent Trends in Wireless Sensor Networks and Internet of Things**” Under the auspices of *Professional Development Programme* from 21-01-2017 to 25-01-2017, Organized by Department of Computer Science & Engineering, at **IIT(ISM) Dhanbad**.
- [3] Attended MHRD-TEQIP-II Sponsored Faculty Development Programme on “**Security Assessment and Power management in Smart grid (SAMPS-2015)**” conducted during 15<sup>th</sup> to 19<sup>th</sup> June, 2015(One Week) in Department of Electrical Engineering at **NIT Calicut**, Kerala.
- [4] Participated in AICTE Sponsored Two Week Faculty Development Programme on “**Micro Grid & Distributed Generation**” Organized by the Department of Electrical & Electronics Engineering during 28-10-2013 to 09-11-2013 at **KITS Warangal**, TELANGANA.

### **d. Short Term Courses:**

- [1]. Attended a Short Term Course on “**Applications of Power Electronics to Renewable Energy (APERE-2k16)**” under the aegis of National Mission on Power Electronics Technology, an initiative by the Department of Electronics and Information Technology, Govt. Of India, and organized by the department of Electrical & Electronics Engineering, **NIT Goa** during 12<sup>th</sup> to 14<sup>th</sup> May 2016.
- [2]. Participated in AICTE Recognised TEQIP-II Sponsored Short term Training Programme on “**MATLAB Software with Control System**” conducted by Department of Electrical & Electronics Engineering from 02-11-2015 to 06-11-2015 (One Week) at **NITTTR Bhopal**.
- [3]. Participated in AICTE Recognised TEQIP-II Sponsored Short term Course on “**PEDAGOGY TRAINING (Basic Module)**” conducted by Education and Educational Management Department from 30-09-2013 to 04-10-2013(One Week) at **NITTTR Chandigarh**.
- [4]. Participated in Intensive Continuing Education Course on “**ENGINEERING PEDAGOGY**” conducted by Centre for Continuing Education at **I.I.Sc. (Indian Institute of Science) Bangalore** conducted during 28<sup>th</sup> and 29<sup>th</sup> April 2006 under EFIP of AICTE.

### **e. Workshops:**

- [1]. Participated the “**Awareness Workshop on OUTCOME BASED EDUCATION AND ACCREDITATION**” Conducted by National Board of Accreditation and Jawaharlal Nehru Technological University Hyderabad on 14<sup>th</sup> September 2015 held at **JNT University Hyderabad**, Kukatpally, Hyderabad under TEQIP-II, JNTUHCEH.



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- [2]. Participated in a Five Day Workshop on “**POWER ELECTRONIC APPLICATIONS**” Organized by Department of Electrical Engineering under TEQIP-II DURING 14<sup>th</sup> - 18<sup>th</sup> October, 2013 at **NIT Warangal**, TELANGANA.
- [3]. Participated in the TEQIP-II Sponsored Two Day National Workshop on “**Model-Based Digital PWM Control Techniques for Power Electronics Applications**” Conducted by Department of Electrical Engineering, National Institute of Technology, Warangal during 25<sup>th</sup> - 26<sup>th</sup> October, 2013 at **NIT Warangal**.
- [4]. Attended a Two Day National Workshop on “**Recent Trends in METERING & CALIBRATION**” Organized by the Department of Electrical Engineering, National Institute of Technology Calicut during 6<sup>th</sup> - 7<sup>th</sup> January 2006 at **NIT Calicut**, KERALA.
- [5]. Attended a Workshop on “**Soft Skills For Engineers**” held on 30<sup>th</sup> October, 2004 in the National Institute of Technology Calicut under the auspices of IEEE Student Branch at **NIT Calicut**, KERALA.

**f. Question Paper Settings:**

**(i) Kakatiya University:**

*Control system Engineering, Digital Control System, Network Theory, Power Electronics, Network Analysis & Synthesis, Electrical Technology and Electrical Measurements*

**(ii) Osmania University (Autonomy)**

*Advanced Control System, Electrical Measurements Electrical Circuits-I, Electrical Circuits-II,*

**(iii) Osmania University**

*Control system Engineering, Electrical Machines-I, Power Electronics and Electrical Measurements*

**(iv) Mahatma Gandhi University**

*Electrical Circuits, Control system Engineering, Power Electronics, Electrical Technology and Electrical Measurements*

**(v) KITS Warangal**

*Control system Engineering, Digital Control System, Network Theory, Power Electronics, Network Analysis & Synthesis, Electrical Measurements*

**(vi) Indu College of Engineering**

*Basic Electrical Engineering, Control Systems*

**g. Industry Visits:**

*NTPC Ramagundam, BHEL Hyderabad, Vizag Steel and KTPS Paloncha (Yearly Twice along with the Students)*