

RESUME



Dr. Yadlapalli Ravindranath Tagore

S/o Yadlapalli Madhavarao

D.No: 4-105

Thullur (P.O) & (M.D)

Guntur (District)

Andhra Pradesh - 522237

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Educational Qualifications:

Degree/Course	Board/University	Year of Passing	CGPA/ % MARKS
Ph.D.	JNTU-Hyderabad	2018	-
M.Tech. (Power Electronics & Power systems)	IIT Madras	2004	8 /10
B.E. (EEE)	GITAM Andhra University (AU)	2001	75
Diploma (EEE)	SMVM Polytechnic, Tanuku (SBTET, A.P)	1997	88
S.S.C.	KVR ZPPHS, Thullur, (Board of Secondary Education, A.P)	1994	87

Achievements:

Technical:

- **SELECTED FOR INDIAN ENGINEERING SERVICES (IES) - 2005**
- **GATE - All India 18th rank in 2001**
- **ECET - State 99th rank in 1997**
- **CEEP- State 134th rank in 1994**

School Level:

- Selected for **National Merit scholarship (NMS) in SSC**
- Selected for **Telugu Vignana Parithoshakam**

Teaching Experience: 19.5 Years

Experience Details:

Associate professor	RVR & JC College of Engineering	May 2019 to till date
Associate professor	Vignans Lars Institute of Technology and Science (VLITS),Vadlamudi	Sep. 2015 to May 2019
Associate professor & HOD EEE	Vignans Nirulla Institute of Technology and Science (VNITS), Pedapalikaluru	Nov. 2013 to Sep. 2015
Associate professor	Vignan's Engineering College (VEC), Vadlamudi (From 2009 onwards Vignan's Deemed to be University)	June 2006 to Nov. 2013
Assistant Engineer (AE)	AP GENCO	Mid of Jan. 2006 to May 2006
Assistant professor	VNR Vignana Jyothi Institute of Engineering and Technology (VJIET), Hyderabad	July 2005 to Jan. 2006
Lecturer	Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC), Vijayawada	July 2004 to May 2005

Research Interests:

- Power Electronics & Drives
- FACTS Controllers
- Renewable energy sources

Projects Guided:

- B.Tech. Projects - 18
- M.Tech. Projects - 8

Guest Lectures Given:

- Delivered expert Lecture on “**Career and academic guidance**” in the Department of Electrical and Electronics Engineering, *Sasi Institute of Technology and Engineering* on 16th April 2015.

As a reviewer for international journals:

- International Journal of Power Electronics (**IJPELEC**)
- International Journal of Circuit Theory and Applications (**IJCTA**)
- International Journal of Energy Research (**IJER**)
- Journal of Engineering Science and Technology Review (**JESTR**)

Active participation in College and Departmental activities

- **Departmental activities**
 - ✓ BOS Member.
 - ✓ Actively participated in syllabus framing as per R-20 Regulations: 11 Subjects.
 - ✓ VIDYUT TARANG 27th February 2020 - A National Level Technical Symposium - coordinator for INNOVARENA project exhibition.
 - ✓ NBA & NAAC Work
 - EE TECH Evolution Hub files preparation.
 - NAAC, Criteria-6 files preparation.
 - NBA-2023 COMPLIANCE REPORT preparation for B.TECH. Projects.
- **College level activities**
 - Research policy preparation in 2019.
 - ISO Auditor.

Details of UNPAID/FREE Publications:

International Journals:

	Total Publications	As a First Author	SCIE Indexed	SCOPUS Indexed	After Ph.D.
International Journals	32	25	6	26	24
International Conferences	7	3	-	7	1

	Highest H-INDEX	Highest IMPACT FACTOR	Highest CITE SCORE
ELSEVIER ScienceDirect International Journal	248 <i>(International Journal of Hydrogen Energy)</i>	9.4 <i>(Journal of Energy Storage)</i>	10.3 <i>(Journal of Energy Storage)</i>

1	RamaKoteswaraRao Alla, Kandipati Rajani, Yadlapalli Ravindranath Tagore , Sarayu Vunnam, Monocrystalline photovoltaic material based symmetrical and unsymmetrical Triple-Series Parallel-Ladder configuration for harvesting maximum power under partial shading conditions, <i>Results in Optics</i> , 2024,100682, https://doi.org/10.1016/j.rio.2024.100682 .
2	Yadlapalli Ravindranath Tagore : Fuzzy based MPPT Control for solar PV Applications. <i>Int. J. Innovative Computing and Applications</i> . Vol.14, No. 4, 2023, pp. 220 - 229. (SCOPUS)
3	Alla Ramakoteswara Rao, Kandipati Rajani, Yadlapalli Ravindranath Tagore : Design of FOPID controller for higher order MIMO systems using model order reduction, <i>International Journal of System Assurance Engineering and Management</i> . Vol. 14, No. 5, 2023, pp. 1660 - 1670. (SCOPUS)
4	Yadlapalli Ravindranath Tagore , Kandipati Rajani, Chandra Sekhar Koritala: Analysis, design and simulation of high gain dc-dc converters for fuel cell applications. <i>Int. J. Power Electronics</i> , Vol. 18, No. 3, 2023, pp. 314-345. (SCOPUS)
5	Yadlapalli Ravindranath Tagore , Kandipati Rajani, Alla Ramakoteswara Rao: Performance: Analysis of a Two-Stage Converter for Solar PV Systems. <i>Journal of Engineering Science and Technology Review</i> . Vol. 16, No. 3, 2023, pp. 52 - 60. (SCOPUS)
6	Yadlapalli, R.T., Kotapati, Anuradha : Analysis and design of dc-dc converter for electric vehicle applications, <i>Suranaree Journal of Science and Technology</i> . Vol. 29, No. 4, 2022, 010146 (1-10). (SCOPUS/ESCI)
7	Yadlapalli, R.T., Rajani, K., Kotapati, Anuradha : Dynamic Analysis of Solar Powered Two-Stage DC-DC Converter with MPPT and Voltage Regulation, <i>International Journal of Dynamics and Control</i> . Vol. 10, No. 6, 2022, pp.1745-1759. (SCOPUS)
8	Attuluri Rakada Vijay Babu, D.K Dheer, Y.R. Tagore , Sathish Kumar T.M, Sadulla Shaik, Gorantla Srinivasa Rao: A review on the progress of intermetallic solid-state hydrogen storage material for fuel cell vehicles, <i>Eur. Chem. Bull.</i> 2022, 11(1), 17-29. (SCOPUS)
9	Ravindranath Tagore Yadlapalli , RamaKoteswara Rao Alla, Rajani Kandipati, Anuradha Kotapati , Super capacitors for energy storage: Progress, applications and challenges, <i>Journal of Energy Storage</i> , Volume 49, 2022, 104194. (ELSEVIER ScienceDirect)

	<p align="right">(Science Citation Index Expanded (SCIE)/SCOPUS) JOURNAL IMPACT FACTOR: 9.4 JOURNAL CITE SCORE: 10.3 JOURNAL H-INDEX: 81</p>
10	<p>Ravindranath Tagore Yadlapalli, Anuradha Kotapati, Rajani Kandipati, Chandra Sekhar Koritala, A review on energy efficient technologies for electric vehicle applications, <i>Journal of Energy Storage</i>, Volume 50, 2022, 104212. (ELSEVIER ScienceDirect)</p> <p align="right">(Science Citation Index Expanded (SCIE)/SCOPUS) JOURNAL IMPACT FACTOR: 9.4 JOURNAL CITE SCORE: 10.3 JOURNAL H-INDEX: 81</p>
11	<p>Yadlapalli, R.T., Kotapati, Anuradha., B. Srinivasa rao: Fuzzy logic control based high step up converter for electric vehicle applications, <i>Int. J. Innovative Computing and Applications</i>. Vol. 13, No. 1, 2022, pp. 41-56. (SCOPUS)</p>
12	<p>Y. Ravindranath Tagore, A. R.Vijay Babu, Y. Srinivasarao, P. Manoj Kumar, Kotapati Anuradha: Experimental Validation of Fuel Cell Powered Energy Efficient Gallium Nitride Multilevel Inverter for Industrial Applications, <i>Journal of New Materials for Electrochemical Systems</i>. Vol. 24, No. 3, 2021, pp. 159-165. (Science Citation Index Expanded (SCIE)/(SCOPUS)</p> <p align="right">JOURNAL IMPACT FACTOR: 0.9 JOURNAL CITE SCORE: 1.9 JOURNAL H-INDEX: 44</p>
13	<p>Yadlapalli, R.T., Kotapati, Anuradha., Rajani. K: Advancements in power conditioning units for electric vehicle applications: a review. <i>International Journal of Electric and Hybrid Vehicles</i>. Vol. 13, No. 1, 2021, pp. 81-115. (SCOPUS/ESCI)</p>
14	<p>Y. Ravindranath Tagore. Modeling and Control of Hybrid Power Sourced High Gain DC-DC Converter. <i>Journal of Engineering Science and Technology Review</i>. Vol. 14, No. 1, 2021, pp. 119 - 127. (SCOPUS)</p>
15	<p>Yadlapalli R.T, Kotapati Anuradha, Kandipati R, Balusu SR, Koritala CS. Advancements in energy efficient GaN power devices and power modules for electric vehicle applications: a review. <i>International Journal of Energy Research</i>. 2021; 45:12638-12664. (WILEY)</p> <p align="right">Science Citation Index Expanded (SCIE)/(SCOPUS)/(Web of Science) JOURNAL IMPACT FACTOR: 4.672 JOURNAL CITE SCORE: 7.2 JOURNAL H-INDEX: 110</p>
16	<p>Yadlapalli, R.T., Kotapati, Anuradha.: Analysis, design and implementation of a fixed frequency PWM-based sliding-mode controller for quadratic buck converter. <i>Int. J. Power Electronics</i>, Vol. 13, No. 1, 2021, pp. 66-82. (SCOPUS)</p>
17	<p>Yadlapalli, R.T., Kotapati, Anuradha. Modeling and control of laptop computer voltage regulator module with multiple power sources. <i>Journal Européen des Systèmes Automatisés</i>, Vol. 53, No. 3, 2020, pp. 421-427. https://doi.org/10.18280/jesa.530313. (SCOPUS)</p>
18	<p>Yadlapalli R.T, Narasipuram R.P, Kotapati Anuradha. An overview of energy efficient solid state LED driver topologies. <i>Int J Energy Research</i>. Vol. 44, No. 2, 2020, pp. 612-630. (WILEY)</p> <p align="right">Science Citation Index Expanded (SCIE)/(SCOPUS)/(Web of Science) JOURNAL IMPACT FACTOR: 4.672 JOURNAL CITE SCORE: 7.2 JOURNAL H-INDEX: 110</p>
19	<p>Yadlapalli, R.T., Kotapati, Anuradha.: Modeling, Design and Implementation of Quadratic Buck Converter for low power applications. <i>Int. J. Power Electronics</i>, Vol. 11, No. 3, 2020, pp. 322-338. (SCOPUS)</p>
20	<p>Yadlapalli, R.T., Kotapati, Anuradha.: Implementation of fuzzy logic controller-based quadratic buck converter for LED lamp driver applications, <i>Int. J. Innovative Computing and Applications</i>, Vol. 11, Nos. 2/3, 2020, pp. 159-166. (SCOPUS)</p>
21	<p>Yadlapalli, R.T., Kotapati, Anuradha, Rajani. K: Performance Analysis of Quadratic Buck Converter for Electric Vehicle Battery Charging Applications. <i>International Journal of Electric and Hybrid Vehicles</i>. Vol. 11, No. 4, 2019, pp. 346-357. (SCOPUS)</p>

22	Yadlapalli, R.T. , Narasipuram, R.P. and Dodda, A. ‘Development of Fuzzy Logic Controller for Improved Interline Unified Power Quality Conditioner’, <i>Int. J. Innovative Computing and Applications</i> , Vol. 10, No. 2, 2019, pp. 86–99. (SCOPUS)
23	Y. Ravindranath Tagore., K. Anuradha. , Atluri R Vijay Babu., P. Manoj kumar: Modelling, Simulation and Control of Fuel cell Powered Laptop Computer Voltage Regulator Module. <i>International Journal of Hydrogen Energy</i> , vol. 44, no. 21, 23 April 2019, pp. 11012-11019. (<i>ELSEVIER ScienceDirect</i>) Science Citation Index Expanded (SCIE)/(SCOPUS)/(Web of Science) JOURNAL IMPACT FACTOR: 7.2 JOURNAL CITE SCORE: 12.1 JOURNAL H-INDEX: 248
24	Narasipuram.R.P. Yadlapalli.R.T. ‘Performance analysis and design optimisation of 3-Ø Packed U Cell inverter for industrial drive applications’, <i>Int. J. Mathematical Modelling and Numerical Optimisation</i> , Vol. 9, No.3. 2019, pp. 309-337. (SCOPUS)
25	Narasipuram, R.P. S. Chaitanya, Yadlapalli, R.T. ‘Efficiency analysis of maximum power point tracking techniques for photovoltaic systems under variable conditions’, <i>Int. J. Innovative Computing and Applications</i> , Vol. 9, No. 4, 2018, pp. 230–240. (SCOPUS)
26	Ravindranath Tagore YADLAPALLI, Anuradha KOTAPATI , “Switching Frequency Effects and Efficiency Analysis of Quadratic Buck Converter for Low Output Voltage and High Current Applications,” <i>Journal of electrical engineering</i> , vol. 16, no. 3, 2016, pp. 262-271. (SCOPUS)
27	Ravindranath Tagore YADLAPALLI, Anuradha KOTAPATI , “Comparative study of switched-mode power supplies for low voltage and high current applications,” <i>Journal of electrical engineering</i> , vol. 16, no. 1, 2016, pp. 316-329. (SCOPUS)
28	Ravindranath Tagore YADLAPALLI, and Anuradha KOTAPATI , “Simulation of hybrid power sources for industrial LED lighting systems,” <i>Journal of electrical engineering</i> , vol. 15, no. 4, 2015, pp. 156-167. (SCOPUS)
29	G. Ganesh, G. Vijay Kumar, AR Vijay Babu, G. Srinivasa Rao, Y. R .Tagore : Performance analysis and MPPT control of a standalone hybrid power generation system. <i>Journal of electrical engineering</i> , vol. 15, no. 1, 2015, pp. 334-343. (SCOPUS)
30	Yadlapalli, R.T., Kotapati, Anuradha. :An efficient sliding-mode current controller with reduced flickering for quadratic buck converter used as LED lamp driver. In: <i>Int. J. of Power Electronics</i> , Vol. 6, No. 4, 2014, pp.345-375. (SCOPUS)
31	Yadlapalli, R.T., Kotapati, Anuradha. : A fast-response sliding-mode controller for quadratic buck converter. In: <i>Int. J. of Power Electronics</i> , Vol. 6, No. 2, 2014, pp.103-130. (SCOPUS)
32	Srinivasa Rao Gorantla, G. Kesava Rao, S. Siva Naga Raju, Y. R. Tagore : Design & implementation of Automated Regenerative Braking system for Electric /Hybrid Electric Vehicle. In: <i>International Journal of Electric and Hybrid Vehicles</i> , Vol.4, No. 3, June 2012. pp 1-11. (SCOPUS)

International Conferences:

1	M. Narendra Kumar and Y. Ravindranath Tagore , “Comparison of carrier based PWM technique for active neutral point clamping multilevel inverter,” <i>IEEE International Conference on Intelligent computing and control systems</i> , Madurai, May 2020, pp. 1888-1892.
2	R. T. Yadlapalli and Anuradha Kotapati , “Dynamic Performance Enhancement of Full Bridge Converter as CPU VR,” 2018 Fourth <i>IEEE International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB)</i> , Chennai, Feb. 2018, pp. 156-160.

3	R. T. Yadlapalli and Anuradha Kotapati , “ <i>Efficiency Analysis of Quadratic Buck Converter for LED Lamp Driver Applications</i> ,” In proc. IEEE International Conference on Trends in Electronics and Informatics (ICEI'17), Tirunelveli, May 2017, pp. 210-214.
4	R. T. Yadlapalli and Anuradha Kotapati , “ <i>Dynamic performance comparison of Quadratic buck converter with analog and Digital average current-mode controllers</i> ,” 2017 Third IEEE International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB), Chennai, Feb. 2017, pp. 173-177.
5	N. Rajanand Patnaik, Y. Ravindranath Tagore and S. Chaitanya, “ <i>Advanced Seven Level Transformer-Less Multilevel Inverter Topology for PV Application</i> ,” 2017 Third IEEE International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB), Chennai, Feb. 2017, pp. 111-116.
6	Y. S. Kishore Babu, Y. Ravindranath Tagore , Tripura Pidikiti: <i>Sliding Mode Control of ZVS Buck Converter</i> . IEEE conference on Machine Intelligence and Research Advancement (ICMIRA), 2013, pp 95-99.
7	T. Rajesh, Y. S. Kishore Babu, Y. R. Tagore : <i>Performance Evaluation of Indirect Vector Controlled Induction Motor Sensor less Drive</i> . IEEE computational intelligence and communication networks (CICN), 2012, pp. 656-60.

Patents published:

- Dr. Korrapati Radha Rani, Dr. Nimmagadda Chaitanya, **Dr. Yadlapalli Ravindranath Tagore**, etc. “*Bidirectional DC-DC Power Converter Circuit to Reduce Current Ripples*.” Application No.202041052197 A, Date of filing of Application: 01/12/2020, Publication Date: 11/12/2020.
- Dr.G. Sambasiva Rao, Dr. N. China Kotaiah, **Dr. Y. Ravindranath Tagore**, Dr. M. Anitha. “*Method for Fabricating Flexible Electronic Devices via Assembly of Inorganic Structures of Varied Dimensions for Nano, Micro, and Chip-scale Integration*” Application No. 202441004717 A, Date of filing of Application: 23.01.2024, Publication Date: 09.02.2024.

Research Projects:

- Successfully accomplished the industry collaborated sponsored project with a research grant of Rs. 2,75,000/- from INCAP LIMITED, Vijayawada as a Co-principal investigator (Co-PI).

Workshops/Seminars/Courses Participated:

1	A One Week Online short term course on “ <i>Advanced Control Systems and Experiments</i> ” Organised by <i>NIT Kurukshetra</i> from 18-07-2022 to 23-07-2022.
2	An Online elementary FDP on “ Control Techniques in Electric Vehicles and Battery Management ” Organised by <i>VNR Vignana Jyothi Institute of Engineering and Technology</i> , Hyderabad, Telangana from 04/10/2021 to 08/10/2021.
3	An Online FDP on “ Systems Engineering ” Organised by <i>APSSDC in association with Dassault systems</i> , Government of Andhra Pradesh from 17-05-2021 to 22-05-2021.
4	A One Week AICTE Training And Learning (ATAL) Academy Online FDP on “ Energy Storage ” Organised by <i>Jawaharlal Nehru National (JNN) College of Engineering</i> , Shivamogga, Karnataka from 2020-10-5 to 2020-10-9.
5	A One Week AICTE Training And Learning (ATAL) Academy Online FDP on “ Electric Vehicles ” Organised by <i>J.N.N CE</i> , Shivamogga, Karnataka from 2020-11-2 to 2020-11-6.
6	A one week online FDP on “ Recent Trends and Emerging Technologies in Distributed generation Systems ” conducted by Dept. of EEE, <i>J.N.N CE</i> , Shivamogga, Karnataka in association with The Institution of Electronics and Telecommunication Engineers (IETE) held from August 24 th to 28 th 2020.

7	A one week online FDP on " Recent Trends and Emerging Technologies in Solar and Wind Energy Conversion Systems " conducted by Dept. of EEE, <i>J.N.N CE, Shivamogga</i> , Karnataka in association with IETE held from August 10 th to 14 th 2020.
8	A Five Day online FDP on " Emerging Trends in Electrical Engineering-A Research Perspective " organized by EEE Department, <i>LBS College of Engineering</i> , Kasaragod, Kerala from 27/07/2020 to 31/07/2020.
9	A Five Day online Short Term Course on " Power Electronics Application in smart Grid and Electric Vehicle " organized by Department of EEE, <i>Sri Ramakrishna Engineering College (SREC)</i> , Coimbatore, Tamil Nadu from 03/08/2020 to 07/08/2020.
10	A One Week online National Level Workshop on " Research Challenges and Application of Computational Tools in Electrical Engineering " conducted by Department of EEE, Vignan's Nirula Institute of Technology and Science (VNITS), Guntur, A.P from 10 th -15 th August 2020.
11	A One Week online National Level FDP on " Current Research Trends in Power Systems and Power Electronics " conducted by Department of EEE, VNITS, Guntur, A.P from 20 th - 25 th July 2020.
12	A One Week online Workshop on " Introduction to PLECS Tool for Power Electronics Applications " Organised by Department of EEE, <i>VRSEC</i> , Vijayawada, A.P, India in association with PLEXIM Switcherland and Sponsored by AICTE-Margadarshan Scheme held during 2 th – 6 th , July 2020.
13	A One Week AICTE Sponsored STTP-III on " Integration, Storage and Control in Hybrid Energy Storage Systems (HES) " conducted by Department of EEE, <i>Geetanjali College of Engineering and Technology (GCET)</i> , Hyderabad, T.S from August 31 th - 5 th Sep. 2020.
14	A One Week AICTE Sponsored STTP-II on " Integration, Storage and Control in Hybrid Energy Storage Systems (HES) " conducted by Department of EEE, <i>GCET</i> , Hyderabad, T.S from August 17 th - 22 th August 2020.
15	A One Week National Institute of Technical Teachers' Training and Research (NITTTR), Bhopal Certified Faculty Development Programme (FDP) on " Learner Centric Methods & Outcome Based Learning " Organised by <i>VFSTR Deemed to be University</i> , Vadlamudi, Guntur from 28 th May - 2 nd June, 2018.

Incentives:

- Got a research incentive of Rs. **36,300/-** for the publication of SCI Expanded /Scopus indexed *International Journals* from the honorable R.V.R. & J.C. College of Engineering Management during the consecutive academic years from 2019-2020, 2020-2021 & 2021-2022.

Personnel Details:

Name : Yadlapalli Ravindranath Tagore
 Father Name : Yadlapalli Madhavarao, Farmer
 Mother Name : Late Jawahar Lakshmi
 Sex : Male
 Date of Birth : 24-07-1979
 Marriage Status : Married
 Permanent Address : D.No: 4-105, Thullur (P.O) & (M.D), Guntur (Dist.), Andhra Pradesh, 522237
 Language Known : Telugu, English, Hindi.

I hereby declared that the above particulars about me are true to the best of my knowledge and belief.

Dr. Y. Ravindranath Tagore