NAME : Dr. K.Ramalingeswara Prasad
DESIGNATION : Professor
EMAIL : krlp050581@gmail.com,
PHONE : 9010117116
DATE OF BIRTH : 05/05/1981
Educational Qualifications : B.Tech.M.Tech., Ph.D.

Degree	Branch/Specialization	College	University	Year of Admission	Year of Pass	% of marks
Ph.D.	EEE	ANUCET	ANU	2011	2017	Awarded
P.G-M.Tech	EEE	COEP,Pune	Pune	2003	2005	7.89
UG-B.Tech	EEE	SVHCE	ANU	1998	2002	70

- **Experience Summary: Teaching: 17 Years Industry: 1 Year Research: 5 Years**

S.No	College	University	Post held	Duration		Exp. in Years
				From	To	
1	LBRCE	JNTUK	Professor	01-07-17	Till Date	5.6
2	LBRCE	JNTUK	Assoc. Professor	01-07-11	30-06-17	06
3	LBRCE	JNTUK	Sr.Asst.Professror	01-06-10	30-06-11	01
4	LBRCE	JNTUK	Asst.Professror	11-12-06	30-05-10	3.5
5	SVIT	JNTUH	Asst.Professror	15 -12-05	10-12-06	01

PROFESSION BODY MEMBERSHIPS:

- Member of Institution of Electronics and Telecommunication Engineers (**IETE**) - M 236798
- Life Member of Indian Society for Technical Education (**ISTE**) - LM 95831
- Member of Institution of Engineers (India) (**IEI**) - M 1532345

AWARDS/ ACHIEVEMENTS:

- Ratifies as Professor by JNTUK, Kakinada in 2022
- Delivered an Expert Talk on "NAAC revised accreditation frame work" at LBRCE college, Mylavaram
- Delivered an Expert Talk on "NAAC revised accreditation frame work" at Raghu Engineering college, Vizag.
- Delivered an Expert Talk on "NAAC revised accreditation frame work" at Priyadarshini College engineering college, Nellore.
- Delivered an Expert Talk on "NAAC revised accreditation frame work" at Govt. Degree college, Mylavaram
- Delivered an Expert Talk on "NAAC revised accreditation frame work and OBE" at DIET, Vishakhapatnam
- NAAC Advisor Member for different engineering colleges at Andhra Pradesh.
- Best Teacher Award at LBRCE in Sep 2022,2018,2019 & 2017
- Elite (Top 5%) from NPTEL online certification course (8 Weeks) on "Control Engineering" conducted by IIT Madras in the year 2018.
- Certificate from NPTEL (SPOC-College was rated as 'AA') in the A.Y:2018-19
- Certificate from NPTEL(Elite for the course Outcome Based Pedagogic Principles for Effective Teaching)
- Got 94.9 percentile in GATE-2003
- One of research paper was selected as Best Paper in International Conference on Systamics Cybernetics and Informatics (ICSCI-2008).

ADVISORY AND ADMINISTRATIVE ROLES:

- Prof.In-Charge, Information Center
- **NAAC Central Coordinator since 2014**
- **NIRF Coordinator**
- **NBA Criterion-III & VII central coordinator**
- SPOC - AICTE and AISCHE
- **Department NBA Coordinator** (2008, 2014, 2019 and 2022)
- Member, IQAC
- **Member, Governing Body**
- Member, Academic Council
- Indo Euro Sync-ARC trained faculty
- Member in BoS, DAC, & PAC (Since 2014)
- Module Coordinator
- NPTEL – SPOC (2016-17 & 2017-18)
- Control Systems Lab In-charge
- B.Tech Major project Coordinator

COURSES HANDLED:

Electrical Circuits, Control Systems, Electro Magnetic Fields, Linear System Analysis, Power

Electronics, Digital Signal Processing, HVDC & Power Converters.

College Website link: https://www.lbrce.ac.in/fprofile.php?fpid=T316

PUBLICATIONS:

Journals (22):

- K.Rama Lingeswara Prasad et al.,, "Design of mobile robot navigation controller using neuro-fuzzy logic system", Computers and Electrical Engineering, Volume 101, July 2022, 108044 https://doi.org/10.1016/j.compeleceng.2022.108044
- K.Rama Lingeswara Prasad et al.,, "Intelligent Wearable Devices Enabled Automatic Vehicle Detection and Tracking System with Video-Enabled UAV Networks Using Deep Convolutional Neural Network and IoT Surveillance" Journal of Healthcare Engineering Volume 2022, Article ID 2592365, 14 pages https://doi.org/10.1155/2022/2592365
- K.Rama Lingeswara Prasad et al.,, "Machine Learning Enabled Techniques for Protecting Wireless Sensor Networks by Estimating Attack Prevalence and Device Deployment Strategy for 5G Networks" Wireless Communications and Mobile Computing Volume 2022, Article ID 5713092, 15 pages https://doi.org/10.1155/2022/5713092
- K.Rama Lingeswara Prasad et al.,, "Solar Based Soft Switching Isolated Dc-Dc Converter to Generate Five Regulated Dc Output Voltages" Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 , Volume 82, Page No. 16250 - 16255
- K.Rama Lingeswara Prasad et al.,, "Novel Field Oriented Direct Control Using SVPWM for Analysis of Induction Motor" Jour of Adv Research in Dynamical & Control Systems, Vol. 12, Issue02, 2020, Jan 2020, ISSN 1943-023X
- K.Rama Lingeswara Prasad et al.,, "Autonomous Robot with GPS navigation control and tracking system by wireless sensor networks" Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 3, 2020, April, 2020, Pages 399-406
- K.Rama Lingeswara Prasad et al.," Modelling and Simulation Analysis of Two-Diode PV module using MATLAB" Compliance Engineering Journal, ISSN NO: 0898- 3577, Volume 11, Issue 4, 2020, April, 2020, Pages 16-24.
- K.Rama Lingeswara Prasad et al.,, "FPGA Based Control of Single Phase Three Level Soft Switching Isolated DC-DC Converter" Test Engineering and Management, January - February 2020 ISSN: 0193 - 4120 , Volume 82, Page No. 11593 - 11599
- K.Rama Lingeswara Prasad et al.,, "Research on Single Input and Regulated Multiple Output Isolated Dc-Dc Soft Deviceing Converter" International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-2S3, July 2019
- K.Rama Lingeswara Prasad et al.,, "Enhanced Performance of Induction Motor with Direct Field Oriented Control Drive using Space Vector Pulse Width Modulation" International Journal of Recent Technology and Engineering (IJRTE), ISSN 2277-3878, Volume-8 Issue-2S8, August 2019
- K.Rama Lingeswara Prasad et al.,, "Linear Peak Current Mode Control of Two Level Isolated DC-DC Converter" International Journal Of Advanced Research In Dynamical

And Control Systems (JARDCS), ISSN No.1943-023X, Volume 10 , July 2018, Pages 42-57.

- K.Rama Lingeswara Prasad et al.,, “A High voltage gain flyback converter with soft switching for solar applications” Journal of Engineering & Technology -(ISSN 2395 - 0056), Volume: 03 Issue: 07 , July-2016,Impact Factor 5.181, pp. 1623-1626.
- K.Rama Lingeswara Prasad, Dr.K.Chandra Sekhar, “Control Strategies For Generator Side Converter Of Direct Driven Wind Energy Conversion System”, International Journal of Scientific and Engineering Research (IJSER) - (ISSN 2229-5518), Volume 6, Issue 7,July 2015,Impact Factor 3.2, Indexed in THOMSON REUTERS,DOI: 10.14299/000000 , pp. 124- 128.
- K.Rama Lingeswara Prasad, Dr.K.Chandra Sekhar , Fixed Frequency Sliding Mode Controller For Direct Driven Wind Energy Conversion System” International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering (IJIREEICE)-ISSN(Online)2321-2004,ISSN (Print) 2321-5526, Vol. 3, Issue 7, July 2015,Impact Factor 3.885,DOI: 10.17148, pp. 62-66.
- K. Ramalingeswara Prasad et al., “ A new sensorless control strategy for a variable speed PMSG wind energy system connected to grid”, International Journal of Electrical Engineering and Technology (IJEET), ISSN 0976 –6545 Volume 4, Issue 5, September – October (2013),Impact Factor 5.50, pp. 146-154.
- K. Ramalingeswara Prasad et al., “ Variable Structure Controller for Generator Side Converter of Variable Speed PMSG Wind Energy Conversion System”, International Journal of Computer Applications , Impact Factor 0.83, ISSN: 0975 – 8887, Volume 67– No.18, April 2013.
- K. Ramalingeswara Prasad et al., “ An Adaptive Sliding Mode Controller for High PowerFactor Boost Rectifier in Continuous Conduction mode”, International Journal of Computer Applications , ISSN: 0975 – 8887 ,Volume 41– No.14, Impact Factor 0.83, March 2012 .
- K. Ramalingeswara Prasad et al., “Control of High Power Factor Boost Rectifier based on Variable Structure Theory”, International Journal of Electronic and Electrical Engineering. ISSN 0974-2174 Volume 4, Number 1 (2011), pp.1-12
- K. Ramalingeswara Prasad et al., “Controlling of Buck Converter by using Variable Structure Theory in Continuous Conduction Mode”, International Journal of Research and Reviews in Electrical and Computer Engineering (IJRRECE). Science Academy Publisher, United Kingdom,ISSN: 2046-5149 ,Vol. 1, No. 3, September 2011.
- K. Ramalingeswara Prasad et al., “ Boost Compensator for Predictive Current Mode Control of High Power Factor Boost Rectifier”, International Journal of Computer Applications , ISSN: 0975 – 8887 ,Vol. 5(02),2010, Impact Factor 0.83, 28-32
- K. Ramalingeswara Prasad et al., “ Control of Non-Linear Systems Using Parallel Structure of Fuzzy PI+PD Controller”, International Journal of Engineering Science and Technology Vol.2(08),2010,3422-3433
- K. Ramalingeswara Prasad et al., “Effective Utilization of Solar Energy Using Tracking Circuit for Domestic Loads”, International Journal of Engineering Science and Technology Vol.2(12),2010,7142-7148

Conferences (08):

- S. Vijaya Madhavi , G.Tulasi Ram* Das, K. Ramalingeswara Prasad "CONTROL STRATEGIES FOR A HIGH EFFICIENCY FUEL CELL BASED CONVERTER – A COMPARISON" 2019 IEEE Region 10 Conference (TENCON 2019), PP.978-1-7281-1895-6.
- Mr.K.Ramalingeswara Prasad et al., "Isolated DC-DC converter with secondary side phase shiftig*"International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering - (ICRIEECE-July, 2018).*
- Mr.K.Ramalingeswara Prasad et al., "Control Strategies for Seven Level Cascade Multi-level Inverter Fed Induction Motor Drive", International Conference on Trends in Electronics and Informatics (ICOEI 2018-May, 2018).
- Mr.K.Ramalingeswara Prasad et al., "Analysis and Implementation of Three Phase Cascade Multi-Level Inverter Motor Drive", International Conference on Mterials, applied phiscs and Engineering (ICMAE 2018-June, 2018).
- Mr.K.Ramalingeswara Prasad et al., "Robust Supplementary Controllers for AVR & PSS", INDICON-2009; IEEE Conference conducted at DAIITCT Ahmedabad, Gujarat (published by IEEE).
- K.Ramalingeswara Prasad et al."Sliding Mode Control of High Power Factor Boost Rectifier" Power system analysis, control &optimization (PSAC0 - 2008)
- Mr.K.Ramalingeswara Prasad et al., Modeling and Simulation of High Power Factor Boost Rectifier. Power system analysis, control &optimization (PSAC0 - 2008)
- Mr.K.Ramalingeswara Prasad et al, International Conference on Systamics, "Boost Compensator for Predictive Current mode control of High power factor boost rectifier" Cybernetics and Informatics (ICSCI-2008)-Selected as Best Paper

Patents:Published-03

- Machine Learning And Iot Based Intelligent System For Monitoring Health Of Vehicle Battery-202211011330 A
- Conversion Based Fault Identifier in Three Phase Transformer using Wavelet Transformation Technique 202041047385 A
- Conversion of sliding mode controller to grid connected pv system for Boosting the power for inverter 202041048086 A

CERTIFICATION COURSES:

- Completed "AI for Every one" 4 weeks of study by Coursera.
- Got certified with **Topper** from **NPTEL online certification course** (8 Weeks) on "**Advanced Power Electronics "** conducted by **IIT Madras** in the year 2018.
- Got certified with **Elite(Top 5%)** from **NPTEL online certification course** (8 Weeks) on "**Control Engineering"** conducted by **IIT Madras** in the year 2018.
- Got certified with **NPTEL online certification course** (12 Weeks) on "**Basic Electrical Engineering"** conducted by **IIT Madras** in the year 2018.
- Certificate from NPTEL with **Elite** for the course "Outcome Based Pedagogic Principles for Effective Teaching"

WORKSHOPS/FDPS ATTENDED:

- 5 Days FDP on "ATAL on Robotics" organized by NITTR, Chandigarh during 02-05-2020 to 06-05-2020.
- 5 Days FDP on "STTP on IOT and Its applications" organized by Ramarao Adhik Institute of Technology and B&R automation Pvt.Lmtd, Pune during 08-06-2020 to 14-06-2020.
- One week FDP on "Online Learning and Assessment System" organized by IEI, during 18-06-2020 to 22-06-2020.
- Five Day Online FDP on "Integration of Renewable Energy Systems- Research Tools / Industrial Perspective" Organized by Department of Electrical and Electronics Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna(Dt),A.P. from 18.05.2020 to 22.05.2020.
- Three Day Faculty development program on "MOODLES AS ICT TOOL FOR TEACHING AND LEARNING PROCESS" from 1-09-2018 to 03-09-2018 at LBRCE, Mylavaram
- One week FDP on "Applied Robotics Control lab FDP:2.0" organized by APS GmbH European Center for Mechotronics, Achen, Germany from 05-08-2019 to 12-08-2019 at VIT, Vijayawada
- Two weeks FDP on "Applied Robotic Control Lab(ARC)" as part of Indo Euro Skilling Centres for Mechatronics and Industrial Robotics by APS GmbH European Center for Mechotronics, Achen, Germany from 16-05-2019 to 24-05-2019.
- Five-Day Training Program on "Metaheuristic Techniques – Applications to Power Engineering" from 07-05-18 to 11-05-2018 at LBRCE, Mylavaram.
- Five-Day Faculty Development Program on "ANSYS FOR ELECTRICAL ENGINEERING APPLICATIONS" at LBRCE, Mylavaram.
- Three Day Faculty Development Program on "Design and Analysis of Low Frequency Electromagnetics Using ANSYS" from 22-12-2016 to 24-12-2016 at LBRCE,Mylavaram
- Two day national level workshop Program on "Power Grid Trends-the future utility networks" from 28-12-2016 to 29-12-2016 at LBRCE, Mylavaram
- Two day Faculty Development Program on "Robotics & Automation" from 29-11-2016 to 30-11-2016 at LBRCE, Mylavaram
- Two day Faculty Development Program on "Advanced Matlab Tools and Simulink in Enginering Applications" from 20-09-2016 to 21-09-2016 at LBRCE, Mylavaram
- One week Faculty Development Program on "Advanced Industrial Automation Training " from 22-04-2015 to 27-04-2016 at LBRCE, Mylavaram
- One day Complimentary seminar on "MATLAB & Simulink for Engineering Education" on 05-02-2016, Vijayawada.
- One week Faculty Development Program on "Advancements in Power & Energy Systems and their Applications in Electrical Engineering" from 27-04-2015 to 2-05-2015 at LBRCE,Mylavaram
- AICTE sponsored seminar on "System Deregulation- Challenges And Solutions" from 28-10-2011 to 29-10-2011 at LBRCE,Mylavaram.
- IUCEE workshop on "Green Energy Systems" from 08-08-2011 to 12-08-2011 at LBRCE,Mylavaram.

- AICTE Sponsored SDP on “Advances in Power Electronics for renewable Energy systems” from 20-06-2011 to 25-06- 2011 at LBRCE,Mylavaram.
- Mission10X “High Impact Teaching Skills” from 18-04-2011 to 19-04-2011at LBRCE, Mylavaram.
- National Workshop on “Smart Electric Grids” on 20-12- 2010 at LBRCE,Mylavaram
- One day Workshop on “Research Opportunities for Women & Young Scientists in Engineering & Technology” on 18-12- 2010 at LBRCE,Mylavaram.
- National work shop on “Multi level inverters” on 6-10- 2010 at LBRCE,Mylavaram
- IUCEE workshop on “Sustainable Energy Sources” from 5-07-2010 to 9-07-2010 at LBRCE,Mylavaram
- Two day Workshop on “Applications of PSCAD in Electrical Engineering” from 20-02-2010 to 21-02-2010 at LBRCE,Mylavaram
- AICTE sponsored SDP on “ Transform techniques in signal processing” from 08-06-2009 to 28-06-2009 at LBRCE,Mylavaram
- Two day workshop on “Advances in Power Components and Systems” from 7-09-2007 to 8-09-2007 at LBRCE,Mylavaram
- “Recent Advances in Power Electronics & Drives” from 31st May to 2nd June 2007 at VEC, Vadlamudi.

WORKSHOPS / FDPS / STTPS / TRAINING PROGRAMS ORGANIZED:

- Organized AICTE sponsored 2 week FDP on “Internet of Things Based Green Energy Technologies” from 17-10-2022 to 29-10-2022 (Co-Coordinator)
- Organized SCAP Sponsored Program National Technology Day 2022 Organized by Internal Quality Assurance Cell (IQAC), Bharatiya Vijnana Mandala (BVM), Science City of Andhra Pradesh (SCAP), Govt. of AP. on 11th May 2022
- Organized five-day online program “Pedagogy Techniques for Effective Teaching Learning (PTETL-2021)”
- Organized a five day online workshop on “Pedagogy Techniques for Effective Teaching-Learning” organized by Internal Quality Assurance Cell (IQAC) during 8 - 12 June 2020.
- Faculty coordinator for ARC 1.0, ARC2.0 and ARC 3.0. and ARC trained faculty.
- One day workshop on “Artificial Intelligence techniques” on 24-11-2012 at LBRCE, Mylavaram.
- Worked as a Publication chair for IEEE International conference in 2012(APCET-2012)

PROJECTS SUPERVISED:

PhD Scholrs	: 01(Perusing)
M.Tech Major Projects	: 01
B.Tech Major Projects	: 34