

Curriculum Vitae

ARJUN BALIYAN
Ph.D. (Pursuing)
Jamia Millia Islamia
Mob - 9625608865

Mail-ID- arjunbaliyaneee@gmail.com



OBJECTIVE

To work with a growing organization for a challenging and responsible position that utilizes and nurtures my technical, managerial and analytical skills, providing ample opportunity for personal growth

FIELD OF INTEREST

- Power System, Basic Electrical Engineering
- Network Analysis & Synthesis, Control Systems

SCHOLASTIC ACHIVEMENTS

- GATE Qualified in a Electrical Engineering Discipline in Year 2013 & 2016 with a good percentile.
- Awarded with certificate of merit in 2nd year of B. Tech and cleared 8th NIIT aptitude test with 98 percentiles.
- Got **Elite Certificate** for clearing the course “**Control Engineering**” conducted by NPTEL in Year 2019.
- Got **Elite Certificate** for clearing the course “**Fundamentals of Electrical Engineering**” conducted by NPTEL in year 2019.
- Got **Elite Gold Certificate** for clearing the course “**Automatic Control System**” conducted by NPTEL in year 2021.

QUALIFICATION

Course	Institution	Board/ University	Passing Year	Aggregate Percentage
Ph.D. (Pursuing)	Jamia Millia Islamia	Jamia Millia Islamia	-	78
MTech Power Systems	Birla institute of Technology Mesra, Ranchi	BIT Mesra (Jharkhand)	2013-15	79.50
B.Tech. Electrical & Electronics	Krishna Engineering College, Ghaziabad, UP	UPTU, Lucknow	2008-12	70
Intermediate	Ch. Chhabil Dass Public School Ghaziabad (U.P.)	CBSE	2006-07	70.02
High School	Ch. Chhabil Dass Public School Ghaziabad (U.P.)	CBSE	2004-05	82.20

SOFTWARE/ HARDWARE EXPOSURE

MATLAB, OPAL-RT SIMULATOR, Dspace DS 1104 Controller

EXPERIENCE DETAILS (6.1 YEARS)

- Worked as a Teaching Assistant at Birla Institute of Technology, Mesra.
- 3 Years 7 months of experience as an Assistant Professor in Inderprastha Engineering College, Ghaziabad.
- Working as an Assistant Professor in Ajay Kumar Garg Engineering College, Ghaziabad from July'19.

INTERNATIONAL CONFERENCES

- Presented **Elsevier** paper in International conference on “*Intelligent computing, communication & convergence*” in Dec'14.
- Presented **IEEE** paper in ICIIECS'15 on “*Efficient Prediction of Short-Term Load Demand using Chebyshev Functional Link Artificial Neural Network*” in March 2015.
- Presented a paper in International Conference **ICAEDC'17** on “*Smart Building Energy Management: A Review*” in April 2017.
- Presented a paper in **IEEE** International Conference on “*Adaptive Particle Swarm Optimization Based Maximum Power Point Tracking in Grid Connected Solar PV System*” in Delhi Technological University, Oct' 2018.
- **Arjun Baliyan**, Majid Jamil, and M. Rizwan, “*Power Quality Improvement Using Harmonic Passive Filter in Distribution System*” **Lecture Notes in Electrical Engineering, Scopus Indexed, Springer Publication**, August 2020.
- **A. Baliyan**, M. Jamil and M. Rizwan, “*PSO Based Intelligent Approach for Battery Charging & Scheduling Integrated with Solar Photovoltaic Systems*,” 2021 **2nd International Conference for Emerging Technology (INCET)**, 2021, pp. 1-5, doi: 10.1109/INCET51464.2021.9456232

INTERNATIONAL JOURNAL (UGC/SCOPUS)

- Presented a paper in **ICCCPT'15** on “*Short Term Load Forecasting Using Functional Link Artificial Neural Network*” and got published in IJARE.
- Got a paper published in **UGC approved journal** on “*Maximum Power Point Tracking and Power Fluctuation Control in Grid-Connected Solar Photo-voltaic Systems: A comprehensive Review*” in May'19.
- **A. B. M. J. M. Rizwan**, “An Efficient and cost-effective configuration of PV System in Smart Grid Environment”, IJAST, vol. 29, no. 3, pp. 4263 - 4278, Feb. 2020. (**Scopus**)

INTERNATIONAL JOURNAL (SCI/SCIE)

- **Arjun Baliyan**, Majid Jamil, M. Rizwan, Ibrahim Alsaidan and Muhannad Alaraj “*An Intelligent PI Controller based Hybrid Series Active Power Filter for Power Quality Improvement*,” Mathematical Problems in Engineering, vol. 2021, pp. 1-10, 2021.
- Arjun Baliyan, Isaka J. Mwakitalima, Majid Jamil, M. Rizwan, “*Intelligent Energy Management System for a Smart Home Integrated with Renewable Energy Resources*”, International Journal of Photoenergy, vol. 2022, Article ID 9607545, 6 pages, 2022. <https://doi.org/10.1155/2022/9607545>

NATIONAL CONFERENCE

- Presented a paper in NCRTEEE18 on “*Maximum Power Point Tracking in Solar Photovoltaic Systems: A comprehensive Review*” in June'18.

ACADEMIC PROJECT

Ph.D

Objective: Control of Grid integrated PV inverter using dSPACE RT 1104

Brief Description- In this project I have worked on a hardware that consists of a dSPACE RT 1104, a three phase 4 leg inverter stack and a boost converter that is used to boost the input dc voltage and it further consists of a voltage sensor and a current sensor to run the MPPT technique that is based on a particle swarm optimization technique.

M.Tech

Object- Short Term Load Forecasting using Evolutionary Artificial Neural Network.

Brief Description- In this project work I have undergone the load forecasting of the area of BIT, Mesra. First, the load forecasting was done using conventional single layer Perceptron technique. The new technique involved in this project was Functional Link Artificial Neural Network technique. Comparisons were also made between the different techniques.

PERSONAL SKILLS

- I have a strong determination with positive attitude and I can work both as a team as well as team leader.

INTERESTS

- Reading, Travelling, Movies and Sports.

FACULTY DEVELOPMENT ORGANISED/ATTENDED

- Attended a Faculty development Programme (**F.D.P**) at I.T.S Engineering College on “*Innovative and Advance Practices in Power System & Control*” in May 2016.
- Attended a Faculty Development Programme (FDP) at R.K.G.I.T Engineering College on “*Developments in the field of Power systems*” in October 2016.
- Attended a Faculty Development Programme (FDP) at ABES EC on “Human Values and Professional Ethics” on 23rd-30th June’18.
- Attended a Faculty Development Programme (FDP) at Gautam Buddha University on “*Future Technologies on Renewable Energy, Smart Micro grid*” on 13-17th Mar’19.
- Attended a Faculty Development Programme (FDP) at KIET Ghaziabad on “*Emerging Trends and Challenges in Grid Connected Renewable Power Generation*” in July’19.
- Attended a Faculty Development Programme at AKGEC Ghaziabad on “*Power Systems Operations & Control*” from 13 to 17th Jan’20.
- Attended a AICTE Sponsored One week FDP on “Advances in Electric Vehicles” organized by Department of Electrical Engineering, RV college from 21st to 26th Dec’2020.

CONFERENCE/WORKSHOP ORGANISED/ATTENDED

- Member of organizing committee of *National Conference on “Recent Trends in Electrical & Electronics Engineering”* held at IPEC, 2017.
- Participated in a workshop on Autonomous Robotics in IIT Roorkee.
- Participated in a workshop on “Virtual-Labs” in Inderprastha Engineering College.
- Participated in Embedded System workshop organized by Cetpa Infotech, Noida.
- Attended a One Day Seminar on “Applications of Soft Computing Techniques to Distributed Energy Resources in a Smart Grid” organized by JSSATE, Noida.
- Member of organizing committee of *National Conference on “Recent Trends in Electrical & Electronics Engineering”* held at IPEC, 2018.

PERSONAL PROFILE

Name	:	Arjun Baliyan
Father's name	:	Mr. Anang Pal Baliyan
Date of birth	:	August 24 th , 1990
Gender	:	Male
Languages known	:	Hindi and English.
Nationality	:	Indian
Address	:	M.P 180, Mahendra enclave, Shastri Nagar, Ghaziabad.

DECLARATION

I hereby declare that above information is correct to best of my knowledge and belief.

Date:

Place: GHAZIABAD

(ARJUN BALIYAN)