

# NARAYANAM RAGHUNADH

Electrical and Electronics Engineering

## PERSONAL INFO

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## SKILL SET

### TECHNICLA SKILLS

- Good knowledge of MS Office and Google Workspace including Excel VBA
- Write and run programs in MATLAB/SIMULINK
- Good Knowledge of Python

### SOFT SKILLS

- Team working
- Adaptable
- Self-motivated

## EXAMS QUALIFIED

- Qualified a GATE exam in all 6 attempts with a best rank of 2181 in GATE-2021.

## CERTIFIED EXAMS

- Ranked 31 (as of 10<sup>th</sup> January 2022) in **MathWorks CODY**, which is a real-time worldwide MATLAB coding challenge where there are more than 6 lakh participants.
- Received **GUINNESS WORLD RECORD** for participation in **Most users to take an online computer programming lesson in 24 hours** conducted by GUVI and AICTE-India.

## WORK EXPERIENCE

- Working as Assistant Professor in **PACE Institute of Technology and Sciences**, Ongole from September 2020.
- Developed subject material, content notes, MCQ's for Quizzes.
- Taken part in quality improvement of college as Coordinator of Internal Quality Assurance Cell (IQAC).
- Given technical support for three National Level events by collecting registration data, sending personalized confirmation mails, generating, and sending certificates with QR authentication immediately on feedback submission.
- Organized more than 5 college level events for the students as a IEI Co-Ordinator.

## EDUCATION

### Master of Technology

- In **Andhra University, Visakhapatnam** in 2019, in **Power Systems and Automation** with a 7.86 GPA.

### Bachelor of Technology

- In **Bapatla Engineering College, Bapatla** in 2016 in Electrical and Electronics Engineering with an 8.12 GPA.

### Intermediate

- In **NRI Junior College, Guntur** in 2012 with 88.70 percentage.

### Secondary School Certificate

- In **Z P HIGH SCHOOL, J Panguluru** in 2010 with 83.83 percentage.

## AREAS OF INTEREST

- Renewable Energy
- Electric Vehicles
- Smart Grids
- AI

## CONFERANCES ATTENDED

- **"A novel maximum power point tracking (MPPT) algorithm for wind energy"** was presented in the Virtual International Conference on Recent Trends in Power Systems and Power Electronics– 2K21 (NEC-VICPSPE-2K21) held at Department of EEE, Narasaraopeta Engineering College, Narasaraopet during 28<sup>th</sup> & 29<sup>th</sup> July, 2021.
- **"Mitigation of harmonics in grid-connected to microgrids by using fuzzy logic method"** was presented in the Virtual International Conference on Recent Trends in Power Systems and Power Electronics– 2K21 (NEC-VICPSPE-2K21) held at Department of EEE, Narasaraopeta Engineering College, Narasaraopet during 28<sup>th</sup> & 29<sup>th</sup> July, 2021.

## PAPERS PUBLISHED

- **"Energy management of smart homes equipped with energy storage systems considering the par index based on real-time pricing"** was published in Bulletin Monumental (Web of Science Journal) Volume 22 (2021), Issue 5 (MAY), Page 93-106.
- **"V-f and P-Q Control of Solar Photovoltaic Generators with MPPT and Battery Storage"**, was published in International Journal and Magazine of Engineering, Technology, Management, and Research (IJMETMR) Volume 6 (2019) Issue 8 (August), Page 89-101.

## BOOK CHAPTERS PUBLISHED

- Published a book chapter titled **"Hybrid Storage System for Dynamic Power Quality Improvement"** in the edited book entitled **Dynamic Research Trends in Engineering and Management** published in December 2021 with ISBN no 978-93-90631-50-6.
- Published a book chapter titled **"Analysis of Power Quality in Microgrids In Grid Connected And Standalone mode"** in the edited book entitled **Dynamic Research Trends in Engineering and Management** published in December 2021 with ISBN no 978-93-90631-50-6.
- Published a book chapter titled **"Enhancement of low Voltage Ride through Capability for Grid-Connected photovoltaic Power Plant"** in the edited book entitled **Dynamic Research Trends in Engineering and Management** published in December 2021 with ISBN no 978-93-90631-50-6.
- Published a book chapter titled **"Medicine Reminder using Arduino"** in the edited book entitled **Multidisciplinary Subject for Research-XII (Vol-2)** published in October 2021 with ISBN no 978-1-7948-8891-3.

## BOOKS EDITED

- Worked as Editor for **Dynamic Research Trends in Engineering and Management published** in December 2021 with ISBN no 978-93-90631-50-6.
- Worked as Associate Editor for **Multidisciplinary Subject for Research-XII (Vol-2)** published in October 2021 with ISBN no 978-1-7948-8891-3.