

## **SELF ASSESSMENT REPORT**



1. Full Name : Devaraju Kalyani
2. Father's Name : Devaraju Obulapathy
3. Mother's Name : Devaraju Padmavathi
4. Address : Door No: 8/177,  
Behind Shanthi theatre,courtroad, Anantapur  
– 515001.
5. Email id (Personal) : devarajkalyani@gmail.com
6. Emailid (Office) : devarajkalyani.eee@jntua.ac.in
7. Mobile No. : 8330983173
8. Aadhar Number : 898317729942
9. PANCardNumber : DVJPP1281D
10. Qualifications : M.Tech,(PhD)

Course	Board/ University	Institution	Year Of Passing	% of marks obtained
SSC	Board of Secondary Education,A.P	CVR Memorial E.M school,Ananthapuramu	2009	88.3
Intermediate	Board of Intermediate Education,A.P	Nalanda junior college,Ananthapuramu	2011	89.6
B.Tech	Jawaharlal Nehru technological university Ananthapuramu	Intell Engineering college,Ananthapuramu	2015	67.69
M.Tech	Jawaharlal Nehru technological university Ananthapuramu	JNTUACollegeOf Engineering, Ananthapuramu	2017	8.23 (CGPA)

## 11. Work Experience:

S.No.	Name of the Organization	Position held	Year of Experience	Nature of work done
1	JNTUA College of Engineering, Ananthapuramu	Assistant Professor (Adhoc)	6 years 8 months	Teaching
2	JNTUA College of Engineering, Ananthapuramu	Research Scholar	4 Years	Part Time Research Scholar

## 12. Publications:

### International Journals:

- Devaraju Kalyani, P. Bharath Kumar, P. Sujatha “**PSO BASED PID CONTROLLER DESIGN FOR TWO AREA INTER-CONNECTED HYDRO THERMAL POWER SYSTEMS**”, International Journal Of Electronics, Electrical And Computational System (IJECS) VOL.6, ISSUE.9, SEPTEMBER 2017, ISSN:2348-117X.
- Prapatla Harish Kumar Reddy, Devaraju Kalyani “**FUZZY LOGIC CONTROL BASED GRID CONNECTED WIND PV COGENERATION USING BACK TO BACK VOLTAGE SOURCE CONVERTERS**”, The international journal of analytical and experimental modal analysis, volume XIII, Issue III, March 2021, ISSN NO:0886-367.
- M. Ramesh Reddy, Devaraju Kalyani “**VOLTAGE SAG MITIGATION IN ON-GRID HYBRID POWER SYSTEM USING BATTERY AND SMES BASED MULTILEVEL DYNAMIC VOLTAGE RESTORER**” The International journal of analytical and experimental modal analysis, ISSN NO: 0886-9367, Volume XV, Issue I, January/2023.
- S. Farasha Chesmi, Devaraju Kalyani “**VOLTAGE POSITIVE FEEDBACK BASED ISLANDING DETECTION ALGORITHM FOR POWER QUALITY ASSESSMENT**” ISSN: 0011-9342, Year 2021 Issue: 9, Pages: 1165 - 1180.
- V.G. Kireeti Kumar, Devaraju Kalyani “**A NOVEL APPROACH FOR ISLANDING DETECTION FOR GRID CONNECTED PV SYSTEM USING ANFIS CONTROLLER**” Journal of Systems Engineering and Electronics, ISSN NO: 1671-1793, Volume 34 ISSUE 6 2024.
- B. Tirupathamma, Devaraju Kalyani “**MODELING AND ANALYSIS OF MPPT CONTROL FOR GRID-CONNECTED SOLAR PV SYSTEM USING ARTIFICIAL NEURAL NETWORK CONTROLLER**” Journal of Systems Engineering and Electronics, ISSN NO: 1671-1793, Volume 34 ISSUE 6 2024.

## 13. Workshops/Training Programs/FDPs:

- Participated in a One week FDP on “**Electric Vehicle Technology**” held on 26-31 August 2024 organized by ATAL Academy at PVKK Institute of Technology, Ananthapuramu,
- Participated in a One Week PDP on “**EV Design and Applications to Aerospace Systems**” held on 25-29 November 2024 Organized by JNTUA College of Engineering (Autonomous) Ananthapuramu, Andhra Pradesh.
- Participated in a One Week Virtual FDP “**Python for Electrical & Electronics Engineering: A Faculty development program on Python applications**” held on 27-31 March, 2023 Organized by Rajeev Gandhi Memorial College of Engineering & Technology (Autonomous), Nandyal.
- Participated in a One Week Virtual FDP “**Recent Trends in Green Energy Initiatives and Soft Computing Techniques**” held on 11-15 July, 2023 Organized by Mahatma Gandhi Institute of Technology (Autonomous), Gandipet, Hyderabad.
- Participated in a One Week Virtual FDP “**Emerging Technologies in Generation, Operation and Control of Electrical Systems**” held on 06-11 June, 2022 Organized

by Sree Rama Engineering College RamiReddy Nagar , Karakambadi road ,Tirupathi-517507.

- Participated in a One day training program on" **Microsoft Azure Fundamentals**"at JNTUA Ananthapuramu on 20 June 2022.
- Attended One week Short term course on “**Machine Learning for Engineering Applications**” held on 9-13 December,2019at IIT Delhi.
- Participated in a a one-week faculty development programme on “**Design and development of MOOCS through SWAYAM**” held on 18-23 January,2019 at JNTUA College of Engineering, Anantapuramu.
- Participated in a one-week faculty development programme on “**Soft Skills and personality Development**” held on 10-14 December, 2018 at JNTUA College of Engineering, Anantapuramu.
- Participated in a one day workshop on “**Awareness on IEEE/IET Electronic Digital Library Sources**” held on 30 November, 2018 at JNTUA College of Engineering, Anantapuramu.
- Participated in a two day workshop on “**Pedagogical Skills for Outcome Based Education**” held on 16-17 November, 2018 at JNTUA College of Engineering, Anantapuramu.
- Participated in a two day workshop on “**BigData Applications in Power Systems**” held on 28-29 September, 2018 at JNTUA College of Engineering, Anantapuramu.
- Participated in a one day workshop on “**Benefits of Engaging with International Organizations (IEEE)**” held on 4<sup>th</sup> August, 2018 at JNTUA College of Engineering, Anantapuramu.
- Attended one week course on “**Allen Bradley PLCs & Ladder Programming**” held on 9-13 January, 2017 at Advanced Training Institute, Ramanthapur, Hyderabad.
- Attended one week course on “**Industrial Applications Using Allen Bradley PLCs**” held on 16-20 January, 2017 at Advanced Training Institute, Ramanthapur, Hyderabad.

#### 14.Achievements:

Completed online courses offered by SWAYAM/NPTEL

S. No.	Title of the online certificate course completed	Offered by the organization/platform	Duration, specify dates
1.	Smart Grid:Basics to Advanced Tecnologies	NPTEL	Jul-Oct 2024
2.	Advance Power Electronics and Control	NPTEL	Aug-Oct 2023
3.	Ethics in Engineering Practice	NPTEL	Jul-Sep 2023

#### 15.Administrative works supposed:

- Performed Invigilation duties for different exams (End semester examinations & Government Exams)
- Involved in handling works regarding NAAC, NBA and NIRF activities.
- Involved in servicing database of 2023-24 of all EEE Students and Helped in organizing Alumni Annual Meet
- Assisted in Admission Counseling process of JNTUA-BTH collaborated programme under the Directorate of FA&AM,JNTUA,Ananthapuramu during August,2024.

## 16.Subjects(Coursestaken/Labs/ProjectsGuided)for B.Tech and M.Tech:

### a) Subjects Handled:

- Electrical Technology (for II B.Tech - ECE)
- Electro Magnetic Fields (for II B.Tech - EEE)
- Power Electronics(for III B.Tech-EEE)
- Instrumentation(for III B.Tech-EEE)
- IOT Applications in Electrical Engineering
- Basic Electrical Engineering
- Basic Electronics Engineering
- Power System Wide Area Monitoring & Control (for M.Tech I year-EPS)
- SmartGridDesignand Analysis (for M.Tech I year-EPS)
- ReliabilityOptimization(for M.Tech I year-RE)
- ResearchMethodology(for M.Tech I year-EPS)
- PLC &Automation (for M.Tech I Year CS)

### b) Labs Handled:

- Electrical Technology lab (for II B.Tech -ECE)
- Electrical Circuits & Simulation Lab (for II B.Tech -EEE)
- ElectricalMachinesLab-I (for II B.Tech -EEE)
- Power Electronics andsimulation lab (for III B.Tech EEE)
- Power System and Simulation Lab (for IV B.Tech EEE)
- BEE lab (for I B.Tech CSE,Civil,ECE&Mechanical branches)
- Electrical and Electronics Engineering workshop(for I B.Tech EEE)
- Power System and Simulation Lab (for I M.Tech EPS)
- Renewable Energy Systems Lab (for I M.Tech EPS)
- Machines & Power Systems Lab (for I M.Tech EPS)

### c) Projects Guided:

S.No.	Course	No of Projects Guided
1.	M.Tech	06
2.	B.Tech	04

*D. Kalyani*

Signature of the Faculty

(DEVARAJU KALYANI)



