

Self-Assessment Report (SAR)

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7. Qualifications:



Course	Name of the Institution studied	Name of the University	Year of graduation	% of marks obtained
SSC	L.R.G English Medium High School, Ananthapuramu	Board of Secondary Education	2004	65.32
Intermediate/Diploma	Nalanda Junior College, Ananthapuramu	Board of Intermediate Education	2006	62.80
B. Tech/B.E.	S.K.D College of Engineering, Gooty	Jawaharlal Nehru Technological University Ananthapuramu	2010	61.38
M.Tech/M.E	JNTUA College of Engineering, Ananthapuramu	Jawaharlal Nehru Technological University Ananthapuramu	2014	70.68

8. Work Experience:

S.No.	Name of the Organization	Position held	Years of Experience	Nature of work done
1.	JNTUA CEA, Ananthapuramu	Asst. Professor (Adhoc)	7	Teaching

9. List of Publications (IJ, IC, NJ, NC):

International Conference:

- i. U. Mallesh, **P. Rizwan**, “Reliability Analysis of Wake Effect in Wind Farm Layout using Modified Binary PSO” 4th International Conference on Recent Challenges in Engineering and Technology (ICRCET-18) held at Pune, Maharashtra, during 2nd – 3rd April 2018, pp 98-103.

International Journal:

- i. P. Vamsi Krishna, J. Sreenivasulu & **P. Rizwan**, “Symbiotic Operation of Renewable Energy Resources to High Voltage Grid for Power Generation Connected”, International Journal of Research, Volume 7, Issue VIII, Feb. 2019, ISSN No. 2236-6124.
- ii. P. Ravi Kumar, J. Sreenivasulu & **P. Rizwan**, “VSC HVDC connected offshore wind farm for reducing switch count”, International Journal of Research, Volume 7, Issue VIII, Feb. 2019, ISSN No. 2236-6124.

10. Conferences/Workshops/Training Programs/FDPs attended:

Workshops

- One day workshop on “**Effects of Partial Shading and its Mitigation Techniques**” held on 29th June 2020 at Easwari Engineering College, Chennai.
- One day workshop on “**Power Enhancement Techniques in Photovoltaic Power System**” held on 29th June 2020 at Francis Xavier Engineering College, Tamil Nadu.
- One day workshop on “**Solar-Wind Hybrid System Design and Sizing of Essential Components**” held on 27th June 2020 at Sri Venkateswara College of Engineering, Tamil Nadu.
- One day workshop on “**Photovoltaic Energy an Overview**” held on 26th June 2020 at Easwari Engineering College, Chennai.
- One day workshop on “**Patenting your Innovations**” held on 16th June 2020 at St. Peters Engineering College, Hyderabad.
- One day workshop on “**Introduction to Robotics**” held on 15th June 2020 at Dept. of EEE, Surya Group of Institutions School of Engineering & Technology, Chennai.

- One day workshop on **“Intellectual Property Rights & its importance in Academia”** held on 13th June 2020 at Dept. of EEE, MVGR College of Engineering.
- One day workshop on **“Artificial Intelligence and Research Aspects in Machine Learning”** held on 10th June 2020 at Stella Marys College of Engineering, Chennai.
- One day workshop on **“Simulation Driven Innovation for e-Mobility”** held on 10th June 2020 by Altair India at KLE Technological University.
- Two day workshop on **“Handshaking of IoT and Machine Learning”** held during 6th & 7th June 2020 at Jai Shriram Engineering College, Chennai.
- One day workshop on **“Home Electrical Energy Management”** held on 5th June 2020 at Sir C.R. Reddy College of Engineering, Eluru, West Godavari.
- One day workshop on **“Industrial Applications of Power Electronics Systems”** held on 1st July 2019 at Dept. of EEE, JNTUA College of Engineering.
- One day workshop on **“Awareness on Career Growth Prospects for Reliability Engineering professional with Industry Collaborations”** held on 21st June 2019 at Dept. of EEE, JNTUA College of Engineering.
- One day workshop on **“Awareness on IEEE/IET Electronic Digital Library Sources”** held on 30th Nov., 2018 at Dept. of EEE, JNTUA College of Engineering.
- Two day workshop on **“Pedagogical Skills for Outcome Based Education”** held on 16th & 17th Nov., 2018 at Dept. of EEE, JNTUA College of Engineering
- Two day workshop on **“Big Data Applications in Power Systems”** held on 28th & 29th Sept., 2018 at Dept. of EEE, JNTUA College of Engineering.
- One day workshop on **“Benefits of Engaging with International Organizations (IEEE)”** held on 4th Aug., 2018 at Dept. of EEE, JNTUA College of Engineering.
- One day workshop on **“21st Century Teaching Strategies”** held on 16th Sept., 2017 at Dept. of EEE, JNTUA College of Engineering Ananthapuramu.
- One day Didactical Programme on **“Crafting Powerful Questions”** held on 16th July 2016 at Dept. of EEE, JNTUA College of Engineering Ananthapuramu.

- Two week orientation program on **“Research Methodology and Intellectual Property Rights”** during 13th – 25th June 2016 at JNT University Ananthapuramu.
- One day workshop on **“Solar Power Technologies”** held on 20th April 2016 at Dept. of EEE, JNTUA College of Engineering.
- One day workshop on **“Wind Energy Conversion Systems”** held on 13th April 2016 at Dept. of EEE, JNTUA College of Engineering.
- One day workshop on **“Awareness on Power Systems Simulation Analysis using Mi Power Software”** held on 22nd Sept., 2015 at Dept. of EEE, JNTUA College of Engineering.

FDPs

- Online 1 week FDP on **“Recent Trends in Electrical Engineering”**, during 16th – 23rd Aug., 2021 organized at Geethanjali Institute of Science and technology, Nellore.
- Online 5 day FDP on **“Challenges and Opportunities of Energy Sensor Applications”**, during 23rd – 26th Sept., 2020 organized by Dept. of EEE, JNTUA CEA.
- Online 4 day FDP on **“Automation in Industrial Revolution”** held during 29th – 1st June 2020 at Kalasalingam Institute of Technology, Chennai.
- Online 1 week FDP on **“Integration of Green Energy with Smart Power Systems”** held during 22nd – 27th June 2020 at Sathyabama Institute of Science & Technology, Tamil Nadu.
- Online 5 day FDP on **“Harnessing Solar Energy for Reducing Carbon Footprint”** held during 16th – 20th June 2020 at Shri Shankaracharya Technical Camus, Bhilai.
- Online 1 week FDP on **“Industrial Relevance of Electrical Engineering”** held during 15th – 20th June 2020 at BVRIT College of Engineering for Women, Hyderabad.
- Online 5 day FDP on **“Recent Innovations and Technologies in Electric Vehicles”** held during 8th – 12th June 2020 at GATES Institute of Technology, Ananthapuramu.

- Online 5 day FDP on “**Advances and Challenges in Industrial Automation, E-vehicles, Product and Process Controls Manufacturing in Electrical and Electronics Engineering**” held during 3rd – 7th June 2020 at QIS College of Engineering and Technology, Ongole.
- Online one month FDP on “**Data Science**” held during 1st – 30th June 2020 at Dept. of skill Development & Training of Andhra Pradesh.
- Participated in 5 day FDP on “**Basics of PLC**”, held during 2nd – 6th March 2020 at SIEMENS center of Excellence in collaboration with APSSDC, JNTUA College of Engineering, Anantapur.
- Participated in 4 day FDP on “**Basics of Low Voltage Switch Gear**”, held during 25th – 28th Feb., 2020 at SIEMENS center of Excellence in collaboration with APSSDC, JNTUA College of Engineering, Anantapur.
- 5 Day FDP on “**Awareness on Electric/Hybrid Vehicle Engineering**”, during 21st – 25th Jan. 2020 organized at Prof. S. Tiruvengalam Memorial Seminar Hall, Department of EEE, JNTUA CEA.
- Participated in 3 Day International Conference on “**System Automation, Reliability, Quality Control, Safety, Maintenance & Management (IC SARQCSMM -19)**”, during 11th – 13th Dec., 2019 at JNTUA CEA.

NPTEL FDPs

S. No.	Duration	Course Name
1.	July – Sept. 2019	DC Microgrid
2.	Sept. – Nov. 2020	Introduction to Smart Grid

11. Subjects (Courses taken/Labs/Projects Guided) for B. Tech and M. Tech:

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2014-15	M.Tech. - <ul style="list-style-type: none"> • Power System and Stability Control 	B.Tech. - <ul style="list-style-type: none"> • Principles of Power Quality
2015-16	B.Tech. - <ul style="list-style-type: none"> • Reliability Engineering and its Applications to Power Systems • Electrical & Electronics Engineering (for Chemical Engg.) 	B.Tech. - <ul style="list-style-type: none"> • Electrical Power Generating Systems • Electrical Machines I – Lab M.Tech. – <ul style="list-style-type: none"> • Reliability Optimization

	<ul style="list-style-type: none"> Electrical and Electronics Measurement Lab M.Tech.- <ul style="list-style-type: none"> Power System Wide Area Monitoring & Control Machines and Power Systems Lab 	<ul style="list-style-type: none"> Power Systems & Simulation Lab
2016-17	B.Tech. - <ul style="list-style-type: none"> Renewable Energy Sources (Open Elective) Power Systems and Simulation Lab M.Tech.- <ul style="list-style-type: none"> Power System Stability Control Machines and Power Systems Lab 	B.Tech. - <ul style="list-style-type: none"> Electrical Power Generating Systems Electrical Machines I – Lab M.Tech. – <ul style="list-style-type: none"> Reliability Optimization Reliability Testing Lab
2017-18	B.Tech. - <ul style="list-style-type: none"> Renewable Energy Sources (Open Elective) Power Systems and Simulation Lab M.Tech. – <ul style="list-style-type: none"> Distributed Generation and Micro Grid Reliability Tools Lab 	B.Tech.- <ul style="list-style-type: none"> Switch Gear and Protection Electrical Machines Lab - I M.Tech.- <ul style="list-style-type: none"> Reliable and Fault Tolerant Computing Reliability Testing Lab
2018-19	B.Tech.- <ul style="list-style-type: none"> Transmission of Electric Power Power Systems and Simulation Lab M.Tech. – <ul style="list-style-type: none"> Distributed Generation and Micro Grid Reliability Tools Lab 	B.Tech.- <ul style="list-style-type: none"> Introduction to Power Quality Electrical Machines Lab – I M.Tech. – <ul style="list-style-type: none"> Reliable and Fault Tolerant Computing Reliability Testing Lab
2019-20	B.Tech.- <ul style="list-style-type: none"> Introduction to HVDC Transmission and FACTS Power Systems and Simulation Lab M.Tech. – <ul style="list-style-type: none"> Software Reliability Reliability Tools Lab 	B.Tech.- <ul style="list-style-type: none"> Electrical Power Generating Systems Electrical Machines Lab - I M.Tech. – <ul style="list-style-type: none"> Smart Grid Design & Analysis Reliability Testing Lab
2020-21	B.Tech.- <ul style="list-style-type: none"> High Voltage DC Transmission Power Systems and Simulation Lab M.Tech. – <ul style="list-style-type: none"> Power System Wide Area 	B.Tech.- <ul style="list-style-type: none"> Basic Electrical Engineering Lab (Mech.) M.Tech. – <ul style="list-style-type: none"> Smart Grid Design & Analysis Reliability Testing Lab

	Monitoring and Control	
2021-22	B.Tech.- <ul style="list-style-type: none"> • Power Systems and Simulation Lab 	

*Enclose Blue books, Lecture Schedules and Mid Question papers

12. Academic Projects Guided/Guiding: 06

13. Administrative works supported:

Academic Year	Work Supported
2013-14	<ul style="list-style-type: none"> • Performed Invigilation duties for different exams (End semester examinations & CET examinations). • Physical Verification of books in Library.
2014-15	<ul style="list-style-type: none"> • Performed Invigilation duties for different exams (End semester examinations & CET examinations).
2015-16	<ul style="list-style-type: none"> • Performed Invigilation duties for different exams (End semester examinations & CET examinations) • Physical Verification of books in Library. • Board of Studies • Supported for getting data for NAAC-2016 application. • Supported for getting data for NBA application.
2016-17	<ul style="list-style-type: none"> • Performed Invigilation duties for different exams (End semester examinations & CET examinations)
2017-18	<ul style="list-style-type: none"> • Performed Invigilation duties for different exams (End semester examinations & CET examinations)
2018-19	<ul style="list-style-type: none"> • Performed Invigilation duties for different exams (End semester examinations & CET examinations) • Supported for getting data for NBA application.
2019-20	<ul style="list-style-type: none"> • Has worked at Office of General Chair towards documentation Preparation of Proceedings and entire process for the International Conference SARQCSMM 2019.