

## Self-Assessment Report (SAR)

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### 7. Qualifications:

Course	Name of the University	Year of graduation	% of marks obtained
SSC	Board of Secondary Education	2005	78.3
Intermediate/Diploma	Board of Intermediate Education	2007	81.3
B. Tech/B.E.	Jawaharlal Nehru Technological University Ananthapuramu	2011	58.9
M.Tech/M.E	Jawaharlal Nehru Technological University Ananthapuramu	2015	73.67

### 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)	2.8	Teaching
2.	GATES Engineering College, Gooty	Assistant Professor	5	Teaching

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

**International Journal:**

- i. **P. Swathi**, J. Sreenivasulu & Dr. N.Visali, “SFCL Positioning feasibility Analysis fault effects in DC & AC micro grid current reduction ”, International Journal of Technology and engineering, Volume 2, Issue I, Jan. 2015, ISSN No. 2236-6124.
- ii. S. Reshma & **P. Swathi**, “GA based PID controller for Bidirectional inductive power transfer system”, International Journal of Technology and engineering science ,Volume 4, Issue 2, Nov. 2016, ISSN No. 8057-8065.
- iii. **P. Swathi**, M.Naga Chaitra & Abdul Rahiman “Reinstatement of symmetrical/asymmetrical voltage Sags with active and reactive power insertion control Scheme for multilevel inverters” GIS Science Journal, Volume 9, Issue 8, Aug.2022. ISSN No.1869-9391.

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

- Three days online faculty development program on “**Real time hardware-in-the-loop simulation for power electronics and Power systems**” from 27th to 29th May 2020 by Anurag University.
- Five day faculty development program on “**Power electronics applications it smart grid and electric vehicles**” from 26th to 31st May 2020 by shantiram Engineering College..
- One week faculty development programme on “**Spoken tutorial free open sources software I.e latex**” Organised by centre for virtual learning Dr NGP arts and science College Coimbatore Tamil Nadu during 4th to 10th May 2020.
- One week faculty development programme on “**Principles of modern radar**” organised by Rise Krishna SaiPrakasam group of institution during 3rd to 7th June

- One week faculty development programme on “**Design of solar PV system using PVSYST software**” organised by vaagdevi Engineering College from 9th to 13th June 2020.
- One day faculty development programme on “**Research methodology "the art of writing persuasive project proposals"**” organised by shantiram Engineering College on 14th June 2020.
- Three days faculty development programme on “**Emerging trends in electrical engineering**” from 2nd to 4th July 2020 organised by kavikulguru institute of technology and Engineering Nagpur.
- Three days National level faculty development program on “**Design costing and establishment of green energy system**” from 31st July to 3rd August 2020 by bits institute of technology and sciences Hindupur.
- Three days faculty development programme on “**Industry academia interactions bridging the gap**” organised by Sri manakulaVinayagar Engineering and technology Puducherry from 10th to 12th September 2020.
- Five days faculty development programme on “**Renewable energy for sustainable development opportunities and challenges**” organised by Government Engineering College Raipur from 8th to 12th September 2020.
- One week faculty development programme on “**Management of online teaching learning and assessment in higher education**” organised by JNTUCEA University Anantapur during 12th to 16th September 2020.
- Four days online faculty development program on “**Challenges and opportunities of energy and sensor applications**” during 23rd to 26th September 2020 organised by JNTUCEA Anantapur under TEQUIP III.
- One week short term training program on “**Recent challenges and emerging opportunities in electric vehicles**” from 7th to 12th December 2020 organised by Pragati Engineering College surampalem East Godavari district.
- Three days workshop on “**NAAC assessment and accreditation: step by step process**” during 28 to 30th may 2020 organised by Gates institute of technology Gooty.
- One day webinar on “**Power converter topologies in renewable energy sources**” on 6th June 2020 organised by nadimpalliSatyanarayanaRaju Engineering and technology.
- Three days “**International webinar on communicative English skills for engineering students and faculty**” from 28th to 30th June 2020 organised by MBIT.
- National level E-quiz on “**Control systems**” organised by nallaNarasimha Reddy Engineering College Hyderabad on July 12th 2020 with scored of 95%.

- National level E- quiz on **“Power Electronics”** organised by nallaNarasimha Reddy Engineering College Hyderabad on July 12th 2020 with scored 80%.
- One day National webinar on **"NEP-2020 challenges in implementation"** organised by Sri krishnadevaraya University management Anantapur on 28 November 2020.
- Two days workshop by Quarbz info system on **"Microgrid and electric vehicles"** by JK lakshmi pat University Jaipur during December 2nd to 3rd 2020.
- One day webinar on **“Research Aspects on medical device development”** held on 8<sup>th</sup> July 2020 at NallaNarasimha Reddy Education Society Group of Institutions, Hyderabad.
- Four day Faculty Development Program on **“Challenges and opportunities of energy and sensor Applications”**, held on 23<sup>rd</sup> -26<sup>th</sup> September, 2020 at JNTUA College of Engineering, Anantapur.
- One week e-STTP on **“Future perspective of Electrical power system”** held on 9<sup>th</sup> -13<sup>th</sup> October, 2020 at Engineering college, Ajmer.
- One day webinar on **“Recent developments in solar based renewable energy systems”** held on 20<sup>th</sup> October 2020 at Government Engineering college, Bharuch
- Two day workshop by Quarbz Info System on **“Microgrid and electric vehicles”** held on 2<sup>nd</sup> -3<sup>rd</sup> December, 2020 at JK Lakshmi pat University, Jaipur.
- One week faculty development programme on **“Recent Trends in Electrical Engineering”** held on 16<sup>th</sup> – 23<sup>rd</sup> August, 2021 at Geethanjali Institute of Science & Technology, Nellore.
- Five days faculty development programme on **“Recent Advances in Electrical Engineering”** held on 21<sup>st</sup> – 25<sup>th</sup> March, 2022 at GATES Engineering College, GOOTY.
- One Day Workshop on **“Microsoft Security, Compliance and Identity Fundamentals”** held on 22<sup>nd</sup> June, 2022 at JNTUA and Microsoft Corporation India with APSCHE, ANANTAPUR.
- One Day Workshop on **“Microsoft Azure Fundamentals”** held on 21<sup>st</sup> June, 2022 at JNTUA and Microsoft Corporation India with APSCHE, ANANTAPUR.
- One Day Workshop on **“Microsoft Azure Fundamentals”** held on 20<sup>th</sup> June, 2022 at JNTUA and Microsoft Corporation India with APSCHE, ANANTAPUR.
- Five days faculty development programme on **“Recent Advances in Electrical Engineering”** held on 17-21 October 2022 at G.Pulla Reddy Engineering College, Kurnool.

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

--	I Semester*	II Semester*
<b>2019-20</b>		M.Tech. - <ul style="list-style-type: none"><li>• Maintenance Engineering &amp; Management Science</li></ul> B.Tech. - <ul style="list-style-type: none"><li>• Data Structures</li><li>• Data Structures Lab</li></ul>
<b>2020-21</b>	B.Tech. - <ul style="list-style-type: none"><li>• Fundamentals of Electrical Circuits</li><li>• Fundamentals of Electrical Circuits Lab</li><li>• Electrical Circuit Analysis Lab</li></ul>	B.Tech. - <ul style="list-style-type: none"><li>• C &amp; Data Structures</li><li>• C &amp; Data Structures Lab.</li><li>• Basic Electrical Engineering (Chemical)</li><li>• Basic Electrical Engineering Lab(Chemical)</li><li>• M.Tech. –</li><li>• Maintenance Engineering &amp; Management Science</li></ul>

<b>2021-22</b>	B.Tech. - <ul style="list-style-type: none"> <li>• Fundamentals of Electrical Circuits</li> <li>• Fundamentals of Electrical Circuits Lab</li> <li>• Python Lab</li> </ul>	B.Tech. - <ul style="list-style-type: none"> <li>• Modern Control Theory</li> <li>• C &amp; Data Structures</li> <li>• C &amp; Data Structures Lab.</li> <li>• JAVA Lab</li> </ul>
<b>2022-23</b>	B.Tech. - <ul style="list-style-type: none"> <li>• Fundamentals of Electrical Circuits</li> <li>• Fundamentals of Electrical Circuits Lab</li> <li>• Digital Signal Processing Lab</li> </ul> M.Tech. – <ul style="list-style-type: none"> <li>• Research Methodology IPR</li> </ul>	

12. Academic Projects Guided/Guiding: 03

13. Administrative works supported:

<b>Academic Year</b>	<b>Work Supported</b>
<b>2019-20</b>	<ul style="list-style-type: none"><li>• Performed Invigilation duties for different exams (End semester examinations &amp; CET examinations)</li><li>• Physical Verification of books in Library.</li><li>• Board of Studies</li><li>• Supported for getting data for NBA application.</li></ul>
2020-21	<ul style="list-style-type: none"><li>• Performed Invigilation duties for different exams (End semester examinations &amp; CET examinations)</li><li>• Supported for getting data for NBA application.</li></ul>
2021-22	<ul style="list-style-type: none"><li>• Performed Invigilation duties for different exams (End semester examinations &amp; CET examinations)</li><li>• Board of Studies.</li><li>• Supported for getting data for NAAC application.</li></ul>
2022-23	<ul style="list-style-type: none"><li>• Performed Invigilation duties for different exams (End semester examinations &amp; CET examinations)</li><li>• Supported for getting data for NAAC application.</li><li>• Supported for getting data for NIRF application.</li></ul>