

## SELF ASSESSMENT REPORT

Full Name : Sankranthi Anusha  
Father's Name: S Krishnaiah  
Mother's Name: S Suguna  
Address : H.No.28-4-834-1,  
Madhura Nagar,  
JNTU College Road,  
Ananthapuramu -515001



Aadhar Number : 425898783506

PAN Card Number :BHDPA4277L

Personal e-mail Id:[sankranthi.anusha2425@gmail.com](mailto:sankranthi.anusha2425@gmail.com)

Official e-mail Id : nil

Mobile No. : 9160542333

### **Qualifications:**

<b>Course</b>	<b>Name of the Institution</b>	<b>Duration</b>	<b>Percentage</b>
M.Tech- Power Industrial Drives	JNTU College of Engineering, Anantapur.	2015-2017	7.6 (CGPA)
B.Tech- Electrical and Electronics Engineering	Srinivasa Ramanujan Institute of Technology, Anantapur.	2010-2014	72%
Higher Secondary Education- Class XII (A.P. State Board)	Narayana Junior College, Anantapur.	2008-2010	78%
Secondary School Education- Class X (A.P.State board)	L.R.G High School, Anantapur.	2007-2008	86%

### **Work Experience:**

<b>S.No.</b>	<b>Name of the Organization</b>	<b>Position held</b>	<b>Years of Experience</b>	<b>Nature of work done</b>
1	JNTUA College of Engineering, Ananthapur	Teaching Assistant	3 years	Teaching

## **Publications:**

### **a)International Journals:**

1. Anusha, S. (2017). “Fuzzy Based Solar PV-Powered SRM Drive for Electric Vehicles”, International Journal of Innovative Research in Science, Engineering and Technology, Vol.06, pp: 2347-6710
2. Anusha, S. (2017). “Speed Control and Parameter Variation of Induction Motor Drives using Fuzzy Logic & ADRC Controllers”, International Research Journal of Engineering and Technology, Vol.04, pp: 2395-0072
3. Anusha, S. (2018). “Speed Control of Oscillation Free IM Drive Using Adaptive-Fuzzy Sliding Mode Control”, International Journal of Science, Engineering and Technology Research, Vol.07, pp: 2278-7798
4. Anusha, S.(2018). “Open Ended Winding Motor Drive Using A Floating Bridge Multi-Level Converter”, International Journal of scientific research in Science and technology, Vol.04, pp: 2395-6011
5. Anusha, S.(2019). “Improvement of Dynamic Response and Steady State performance of Induction Motor Using Fuzzy based Predictive Torque Control”, Journal of Adv. Research in Dynamical & Control Systems, Vol.11.

### **b) Conferences/Workshops:**

1. Participated in a five day Online Workshop on “Intellectual Property Rights” held during 08<sup>th</sup> – 12<sup>th</sup> June, 2021 by Gates Institute of Technology, Gooty, Anantapur.
2. Participated in a six day Online International Faculty Development Program on “Research Innovations and emerging Advances in electrical Engineering” held during 14<sup>th</sup> – 19<sup>th</sup> June, 2021 by Easwari Engineering College, Ramapuram, Chennai.
3. Participated in a one week Online Faculty Development Program on “Renewable and Clean Energy Conversion Technologies and Materials” held during 04<sup>th</sup> – 08<sup>th</sup> January, 2021 under TEQIP – III twinning program under University College of Engineering and Technology, Bikaner and JNTUA CEA, Anantapur.
4. Participated in an Online Program on “Research Training” held during 18<sup>th</sup> – 29<sup>th</sup> January, 2021 by Ministry of Micro, Small and Medium Enterprises – Technology Development Center (PPDC), Government of India.

5. Participated in a one week Short term Online Training Program on “Recent Challenges & Emerging Opportunities in Electric Vehicles” held during 07<sup>th</sup> – 12<sup>th</sup> December, 2020 by Pragati Engineering College, E.G.District, A.P.
6. Participated in a one week Faculty Development Program on “AC-DC Drives” held during 29/09/2020 to 03/10/2020 by Andhra Pradesh State Skill Development Corporation.
7. Participated in a one week Short term Online Training Program on “Challenges in Electric Vehicular Battery Charging & Grid Integration Issues” held during 24<sup>th</sup> – 30<sup>th</sup> September, 2020 by RGM College of Engineering & Technology, Nandyal.
8. Participated in a five day Faculty Development Program on “Awareness on Electric/Hybrid Vehicle Engineering” held during 21<sup>st</sup> – 25<sup>th</sup> January, 2020 at JNTUA College of Engineering, Anantapuramu.
9. Participated in a short term course on “Machine Learning for Engineering Applications” held during 9<sup>th</sup> – 13<sup>th</sup> December, 2019 at Indian Institute of Technology Delhi.
10. Participated in a one day workshop on “Recent Trends in Smart Grid” held on 19<sup>th</sup> October, 2019 at JNTUA College of Engineering, Anantapuramu.
11. Participated in a one week Faculty Development Program on “Power Converters Design” held during 25<sup>th</sup> – 29<sup>th</sup> September, 2019 at JNTUA College of Engineering, Anantapuramu.
12. Participated in a one week Faculty Development Program on “Research Methodology and Data Ananlysis” held during 23<sup>rd</sup> – 28<sup>th</sup> September, 2019 at JNTUA College of Engineering, Anantapuramu.
13. Participated in a one week Faculty Development Program on “Leadership Skills” held during 19<sup>th</sup> – 14<sup>th</sup> August, 2019 at JNTUA College of Engineering, Anantapuramu.
14. Participated in a one week Faculty Development Program on “Design and Development of MOOCS through SWAYAM” held during 18<sup>th</sup> – 23<sup>rd</sup> January, 2019 at JNTUA College of Engineering, Anantapuramu organized by the E&ICT Academy, NIT, Warangal.
15. 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.
16. 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.

17. Participated in a one day workshop on “Awareness on IEEE/IET Electronic Digital Library Sources” held on 30<sup>th</sup> November, 2018 at JNTUA College of Engineering, Anantapuramu.
18. Participated in a two day workshop on “Big Data Applications in Power Systems” held on 28-29 September, 2018 at JNTUA College of Engineering, Anantapuramu.
19. 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.

M.Tech/B.Tech

Subjects Courses taken/labs/Projects guiding

Academic Year	I Semester	II Semester
2018-19	M.Tech: <ul style="list-style-type: none"> <li>• Advanced Power Semiconductor Devices (for 1-1)</li> <li>• Power Electronics &amp; Drives Lab (for 1-1)</li> </ul> B.Tech: <ul style="list-style-type: none"> <li>• Electrical Circuits-II(for 2-1)</li> <li>• Electric Circuits &amp;Simulation Lab (for 2-1)</li> </ul>	M.Tech: <ul style="list-style-type: none"> <li>• Advanced Power Converters (for 1-2)</li> <li>• Power Electronics &amp; Drives Simulation Lab (for 1-2)</li> </ul> B.Tech: <ul style="list-style-type: none"> <li>• Electrical Machines-II (for 2-2)</li> <li>• Electrical Machines Lab-I (for 2-2)</li> </ul>
2019-2020	M.Tech: <ul style="list-style-type: none"> <li>• Advanced Power Semiconductor Devices</li> <li>• Power Electronics &amp; Drives Lab</li> </ul> B.Tech: <ul style="list-style-type: none"> <li>• Instrumentation (for 4-1)</li> <li>• Electric Circuits &amp; Simulation Lab (for 2-1)</li> </ul>	M.Tech: <ul style="list-style-type: none"> <li>• Advanced Power Converters</li> <li>• Power Electronics &amp; Drives Simulation Lab</li> </ul> B.Tech: <ul style="list-style-type: none"> <li>• Computer Aided Power System Analysis (for 3-2)</li> <li>• Electrical Machines Lab-I (for 2-2)</li> </ul>

2020-2021	M.Tech: <ul style="list-style-type: none"> <li>• Modern Control Theory</li> </ul> B.Tech: <ul style="list-style-type: none"> <li>• Electrical Circuits – II (for 2-1)</li> <li>• Power Electronics Lab (for 3-1)</li> <li>• Electric Circuits &amp; Simulation Lab (for 2-1)</li> </ul>	M.Tech: <ul style="list-style-type: none"> <li>• Advanced Power Converters</li> <li>• Research Methodology</li> <li>• Power Electronics &amp; Drives Simulation Lab</li> </ul> B.Tech: <ul style="list-style-type: none"> <li>• Power Electronics Lab (for 2-2)</li> </ul>
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Academic Projects Guiding: 06

Administrative works supported:

<b>Academic Year</b>	<b>Work supported</b>
2018-2019	<ul style="list-style-type: none"> <li>• Performed Invigilation duties for different exams (End semester examinations).</li> <li>• Regular actives in Department</li> <li>• NBA work related activities.</li> </ul>
2019-2020	<ul style="list-style-type: none"> <li>• Performed Invigilation duties for different exams (End semester examinations).</li> <li>• Regular actives in Department</li> <li>• NBA work related activities.</li> <li>• NAAC work related activities.</li> </ul>
2020-2021	<ul style="list-style-type: none"> <li>• Performed Invigilation duties for different exams (End semester examinations).</li> <li>• Regular actives in Department</li> <li>• NBA work related activities.</li> <li>• NAAC work related activities.</li> </ul>

Signature of Faculty

Signature of HEED

