

Sripranesh V

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ACADEMIC DETAILS				
COURSE	INSTITUTE/COLLEGE	BOARD/COURSE	SCORE	YEAR
Bachelors	SRM Institute of Science and Technology	Aerospace Engineering	CGPA:6/10	2023
Class XII	Srinivasa vidyalaya mat hr sec school	CBSE	Marks:312/600	2019
Class X	ANUGRAGHA international	CBSE	CGPA:9.6/10	2017

PROFESSIONAL EXPERIENCE	
DETAILS	DURATION
Intern, IITM RESEARCH PARK. Chennai, India. <ul style="list-style-type: none">Learned how to make a rocket by using chloroplast materials, oxidizer, and fuel within one month.	June 2022 - July 2022
SAE INTERNATIONAL <ul style="list-style-type: none">Worked as a team member in a team with fourteen people and there are two teams one team is regular and another is micro. I have made two aircraft and got first prize in the best innovation category and cash rewards of up to ten thousand.	February 2022 – May 2022

PUBLICATION	
DETAILS	DURATION
Power Harvesting Using Piezoelectric Materials from Aircraft Body. DOI: 10.35940/ijeat.A3817.1012122 Publication: IJEAT. <ul style="list-style-type: none">when compared to the other materials, PZN-9PT provides the highest o/p on load application.The normal piezoelectric material can produce 90-120 C/N. An array of PZT strips is used to make PZT cells so that the distributed pressure and vibration in any area covered by these strips can be used properly.To get an extra amount of output, a PZT cell can be sandwiched in between the skin of metal and honeycomb of the lower surfaces of wings and fuselage	June 2022- September 2022

PROJECT	
DETAILS	DURATION
A Potential energy harvester in the aviation sector <ul style="list-style-type: none"> The project was conducted to find out the most favorable piezoelectric material that can act as an energy harvester in a typical aircraft. The main theme of the project is to harvest the vibrational energy that comes from the normal vibrations of an aircraft. Reduce the dependency on Auxiliary Power Units (APUs) in aircraft. 	July 2022-November 2022
Fabrication & Mechanical Characteristics of Fiber Reinforced Geopolymer <ul style="list-style-type: none"> Fiber-reinforced geopolymer composites [FRGC] help to prevent crack propagation, improve toughness and reduce deformation. The main theme of this project is to fabricate 2 types of FRGCs of similar kind and carry out TGA analysis and mechanical characteristics testing on the respective composites 	January 2023-May 2023

CERTIFICATIONS	
NAME	CERTIFYING AUTHORITY
Space mission design and analysis	Swiss space center (offered by edx)
Digitalization in space research	Technische universitat munchen(offered by coursera)
Digitalization in the Aerospace industry	Technische universitat munchen (Offered by Coursera)
Digitalization in Aeronautics	Technische universität München (Offered by Coursera)

LEADERSHIP & VOLUNTEER EXPERIENCE	
DETAILS	DURATION
NSS –Volunteer <ul style="list-style-type: none"> As NSS volunteers we perform the role of mediator between the education system and the community which is helpful for nation-building. Coordinated with a team to promote events related to graduate entrance examinations. 	July 2019-December 2019