

MOHAMMED RIYAZ AHMED

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OBJECTIVE

Looking for responsible and challenging opportunities and willing to put the best effort also to be involved in work where I can be able to utilize my skill set to the fullest and grow professionally in achieving corporate goals and contributes to the growth of the organization.

EDUCATION

Course	Board/University	Institute	Degree /Sem	Year	Percentage/ GPA	Aggregate
M.TECH Automobile Engineering (2020-2022)	VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	VelTech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	Sem-1	2020	8.27	7.87
			Sem-2	2021	8.32	
			Sem-3	2021	7.91	
			Sem-4	2022	7.00	
B.TECH Mechanical Engineering (2015-2019)	K L University	Koneru Lakshmaiah Education Foundation	Sem-1	2015	6.48	65.6%
			Sem-2	2016	6.32	
			Sem-3	2016	6.51	
			Sem-4	2017	6.65	
			Sem-5	2017	6.77	
			Sem-6	2018	6.99	
			Sem-7	2018	7.22	
Schooling	Andhra Pradesh State Board	Sri Chaitanya Juinor college	HSC	2015	72.6%	75%
		Sri Krishnaveni Talent School	SSC	2013		

ACADEMIC PROJECT WORK

Studies on Mechanical Properties of Rice Husk Powder Reinforced Epoxy Composite

A hybrid composite reinforced with rice husk powder as reinforcing filler and epoxy resin as the matrix. Four levels of filler loading were designed in order to study the effect of filler content on the mechanical properties (tensile, flexural & impact strength) of composite prepared by hand layup technique results are obtained from the test conclude that the addition of rice husk results in the decrease of tensile strength and a slight increase in flexural strength. (B. TECH Dec 2018 - May 2019)

Study on Performance of DCI and HCCI

Four-stroke single cylinder diesel engine and it is modified to operate in HCCI mode while other operates in DI CI mode. By comparing both the output parameters the result it shows that by varying speed the pressure starts decreasing and HCCI is less the DI CI. The result of the DI CI and HCCI mode are compared with each other in simulation software. (M. TECH Sep 2020 - Mar 2021)

Design and optimization of liquid cooled Battery Thermal Management

Performed a conjugate heat transfer analysis on 3D steady state on a battery model containing the cooling plate and Li-ion battery cells. Specifically discussed the temperatures of the batteries maximum cell temperature and minimum cell temperatures and the difference of temperatures of each cell and the overall battery pack CFD simulation and analysis of different cooling mediums and different velocities. (ARAI ACADEMY Aug 2021 - Dec 2021)

Design of battery cooling system for Lithium-ion battery

Developed a prototype and design cooling system battery pack for forced air cooling and the aim of the battery cooling system is to keep up the battery pack at an optimum average temperature of between 15°C and 35°C, while the non-uniformity in temperature should be lower than 5°C. (ARAI ACADEMY Jan 2022 - July 2022)

AREAS OF INTEREST

- | | |
|-----------------------------|----------------------|
| • Electric & Hybrid Vehicle | • BTMS & BMS |
| • Product design | • CFD & CAE Analysis |

STRENGTHS

Leadership, Flexible/Adaptable, Teamwork

TRAININGS/ WORKSHOPS ATTENDED/INTERSHIP

- Attended 2 days workshop on “**Build your dream race car**” organised by Leo Motorsports, K L University, AP 11th March to 12th March 2016
- Attended a 2-month programme on “**SAP Material Management**” course organised by SAP SEED, Pune 10th April to 10th June 2018
- Attended a webinar on “**Waste to Energy Perspective**” on 26th August 2021 organized by The Automotive Research Association of India”
- Attended a 1-month workshop in “**South Central Railway**” 15th May to 15th June 2017

SKILL SETS

- **Modelling Software:** AutoCAD, SolidWorks, Catia.
- **Simulation Software:** ANSYS, Hyper mesh.
- **Programming Language:** C, MATLAB and Simulink.

PERSONAL INFORMATION

- **DOB:** 11th May 1997
- **Languages:** English, Urdu, Hindi, Telugu.
- **Hobbies:** Travelling, Cooking.
- **Marital Status:** Single.

DECLARATION

I hereby accept that all the information furnished above is true to my knowledge.

Sign:



Place: Pune, Maharashtra

Date: