

CURRICULUM VITAE

Mr. RAGHAVENDRAN. P. R

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A dynamic and accomplished professional in the field of automotive engineering, with a fervent passion for innovation and excellence. With a rich educational background and a wealth of experience, I have consistently demonstrated a deep commitment to my work and a thrive to contribute meaningfully in the field of mobility.

With an ongoing pursuit of a PhD in Mechanical Engineering at Amrita Vishwa Vidyapeetham, I have showcased my dedication to advancing knowledge and pushing the boundaries of my expertise. My academic journey has been marked by outstanding achievements and accolades.

OBJECTIVE:

To work in a challenging and creative environment and effectively contribute towards the goal of the organization. To implement all my ideas and knowledge to a reputed organization and co-ordinate with a team of highly experienced professionals for my personal as well as corporate growth.

EDUCATIONAL QUALIFICATION:

COURSE	SCHOOL/COLLEGE	BOARD/ UNIVERSITY	YEAR OF PASSING	(%)
PhD	Amrita School of Engineering - Chennai	Amrita Vishwa Vidyapeetham	In-Progress	93%
M. Tech in Automobile	Hindustan Institute of Technology and Science	HINDUSTAN UNIVERSITY	(Apr-2015)	93%
B. Tech in Automobile	SRM Institute of Science & Technology	SRM UNIVERSITY	(Dec -2012)	71%
DIPLOMA in Automobile Technology	Sri Ram Polytechnic College	DOTe	(Apr -2009)	80%

WORK EXPERIENCE:

DESIGNATION	INSTITUTION	FROM	TO
Assistant Professor	Karpaga Vinayaga College of Engineering and Technology	01-07-2015	01-02-2016
Assistant Professor	Hindustan University	22-02-2016	31-03-2019
Assistant Professor (S S)	Hindustan University	01-04-2019	18-04-2022
Assistant Professor	Amrita Vishwa Vidyapeetham	06-06-2022	Till Date

SOFTWARE EXPOSURE:

PACKAGES : Optimum Lap, GT Suite, Simulink, ADAMS & COMSOL.

AREA OF INTEREST:

- Electric and Hybrid Vehicles.
- Vibration and Noise Control.
- Automotive Engines and Transmission Systems.
- Motorsports.
- Vehicle Dynamics.

STRENGTHS AND SKILLS:

- Flexible in dealing with people diplomatically.
- Positive Motivator to attain the goal.
- Can easily learn and adapt to any work, according to the situation.
- Excellent verbal and communication skills.

PROJECT DETAILS

PhD : Investigation of the impact of charging speeds on the battery life of E-scooters for degradation, range anxiety & pack deformation.

M.TECH: Dynamic Analysis of Active Suspension Using MSC Adams. (Awarded 2nd Best in ARAI SPPC NVH Category in SIAT 2015).

B. TECH: Optimization of Esterification Process from Castor Oil Based on The Free Fatty Acid Content in The Fuel and Testing Bio-Fuel for Comparing the Performance with Diesel

ACADEMIC RESPONSIBILITIES HANDLED:

- Head - Motorsports Division in Hindustan University from 2016.
- Faculty advisor for BAJA SAE India and BAJA SAE International.

ACADEMIC ACHIEVEMENTS:

- One among the Top 5 in the FDP program conducted by ARAI in NVH sponsored by SIEMENS PLM INDIA.
- Developed Motorsport Fabrication Facility for Hindustan University within 3 months of time and signed MoU with Alisha Abdullah Racing Academy from providing Training programs for Students on Vehicle Tuning, 2 & 4-Wheeler Racing.
- Applied “A NEW PASSAGE TO INDIA - INDO - GERMAN UNIVERSITY COOPERATION 2019-23, Project worth Rs. 397 Lakhs has been successfully granted and under progress.

CONFERENCE AND PUBLICATIONS:

- Presented a poster on “Half Car Semi-Active Suspension using Time Advanced Fuzzy Logic Control” in SIAT 2015 conducted by ARAI and SAE in Pune.
- Presented a paper and published on “Simulation of Semi Trailing Arm Suspension of an ATV Using AISI 4130 Material and Its Effect On von-Mises Stress’ in International Journal of Science and Innovative Engineering & Technology, Volume 3 May issue 2017, ISBN 978-81-904760-9-6.
- Presented two papers on “Improvement in Ride Comfort and Vehicle Road Characteristics of Quarter Car Model” & “Improvement of Ride Comfort of Half Car Model Using Various Control Strategies” in National Conference on "Current Research Outcomes in Mechanical Engineering (NC-CROME'19)" on 15th & 16th March 2019 in SRMIST, Vadapalani Campus, Chennai.
- Published a journal titled “Investigation on heat transfer enhancement of conventional and staggered fin solar air heater coated with CNT-black paint—an experimental approach” in Renewable Energy and Water Sustainability in September 2020.
- Presented a paper and accepted for publication at a conference titled “Design and optimization of rear wheel assembly for all-terrain vehicles”. EDiMo 2020 (Electrification and Digital Mobility 2020) and published in August 2021.
- Presented two papers titled “Design and analysis of customized steering stem for two wheelers” & “Design and Impact analysis of Bumper Beam and crash box” at ICIMES 2021 (International Conference on Intelligent Manufacturing and Energy Sustainability).

PERSONAL PROFILE

Name: Mr. Raghavendran P R

Name of Father: Mr. P R Ravi Ramachandran (Late)

Date of birth: 03-April-1989

Age: 34 yrs.

Blood Group: AB⁺ve

Languages known: English, Telugu (Mother Tongue), Tamil, Hindi.

Permanent Address: Door No: 87, Pillaiyar Koil Street, Pagalmedu village,
Vengal post – 601103, Thiruvallur District.

Future Plan: To Establish a Skill enhancement and development hub for rural
community.

Highest Qualification: M. Tech (Automobile)

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge.

DATE: 16-08-2023

PLACE: PAGALEMDU

(RAGHAVENDRAN. P.R)