

PAVAN KUMAR AGARWAL

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QUALIFICATION HIGHLIGHTS:

University of Texas at Arlington <i>Master of Science in Mechanical Engineering</i>	GPA: 3.0/4.0	2016 (Expected)
Jawaharlal Nehru Technical University <i>Bachelor of Engineering in Mechanical Engineering</i>	GPA: 3.7/4.0	2014

EXPERIENCE:

Started working as project research assistant at University of Texas at Arlington.

PROJECTS:

A project on Convection Heat Transfer with the help of Mathematica To determine the heat transfer coefficient of air on a flat diffuser surface at various angles by considering different velocities.	2015
“Adaptive Headlight and Drive alert System” for Automotive safety. Designed an adaptive head light system on an automobile by using rack and pinion mechanism to direct the movement of headlight with the help of steering to cast he beam in the direction of curve and to ensure better visibility on winding roads and alert the driver when he is sleepy.	2014
Seminar on “Refrigeration Process” for Ice-cream Production Did a case study on the manufacturing and refrigeration process of ice-cream at varun industries Pvt. Ltd	2013

AREAS OF EXPERTISE:

Subjects:	Finite Element Methods, Heat Convection and conduction, Engineering Analysis, Engineering Mathematics, Thermodynamics, Mechanics, Electronic Packaging, Analytical Methods in Engineering, Heat Conduction, Operational Research, Machine Design, Robotics.
Software:	MS Office - Word, Excel, PowerPoint, Photoshop & Picasa Engineering - AutoCAD, Mathematica, Matlab, & SolidWorks

AWARDS AND HONORS:

- Received Certificate of Excellence Robotics & Computer Applications Institute of America Techhnophilia 2013

ACADEMIC ACCOLADE

- Paper presentation AVISHKAR 2011
- Workshop IC ENGINE ANATOMY 2012

ACTIVITIES:

Organized a National level symposium on robotics under the college department branch-AUTOMAAC