

Ramesh

Venuachari

Contact

Present Address:

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Skills

- ANSA
- HYPERMESH
- LSDYNA
- METAPOST
- EPILYSIS
- MS-OFFICE

Education

Mechanical Engineering: - 2006-2010
Malnad College of Engineering, Hassan KA

Experience

Company	Role	Period
Brose India Automotive India Pvt Ltd, Pune	Senior Engineer	Feb 2015 - till now
Satyam ventures Engineering Services, Chennai	Analyst	March 2012 - Feb 2015
Auto soft India Pvt Ltd, Bangalore	CAE Engineer	September 2011 - March 2012
Jindal Aluminium Ltd, Bangalore	Management Trainee	January 2011 - July 2011

About Me

- CAE Analyst with 9.5 years of Experience in Performing Structural Analysis of Full vehicle crash /Seating Systems and Product Development
- Providing structural analysis support by developing LS-DYNA FE models to simulate Linear static and Dynamic Nonlinear load cases to support product development from RFQ phase to PV phase as Per ECE and FMVSS Regulations
- Having Good Experience in Preparing Seat structure for Modal analysis and Frequency Response
- Having Good Experience in Debugging the FE Model for Different Load cases and fixing the ERRORS in LS-DYNA.
- Have Good Skills for evaluation of results and documentation and presenting to Design team to discuss about the improvements.
- Have Good Communication skills and Ability to learn new technology tools and simulation packages in Minimum time.

Present Experience

Senior Engineer - 02/2015 to Present

Brose India Automotive Systems Pvt Ltd, Pune, India

- Leading the Program by preparing timeline for complete CAE Support, preparing input requirements, resource planning and guiding of team members (CAE and Sr. CAE Engineers) to perform the identified tasks
- Responsibilities include model preparation, integration, load case setup using „ANSA”, Analysis using „LS-Dyna”, evaluate results using „METAPOST” and preparing detailed reports and communicating design competencies to Design team and documenting all work for better transparency of Program.
- Successfully Handled Complete Programs individually from RFQ to PV Stage, Load cases performed for regulations such as ECE and FMVSS.

Personal Details

Date of Birth	13-11-1988
Gender	Male
Marital Status	Married
Language known	<ul style="list-style-type: none">EnglishHindiKannadaTamil
Permanent Address	S/O Venuachari K #10 1 st Cross Keshvapura Badavani Gandhi Nagar, Bhadravathi Shimoga, Karnataka 577301
Notice Period	90 Days

- Below are the Analysis Performed in various Seat Programs.
 - Frontal Impact
 - Luggage Retention
 - Seat Belt Anchorage Test
 - Rear Impact
 - Seat Back Strength Test
 - ISOFIX Test
 - Non-Regulatory Tests
 - Modal Analysis
 - Frequency Response Analysis
- Initiated review meeting with testing team, Design team to create centralized document to avoid any loss of information between teams.
- Worked as a team member for preparing Global best practice and guidelines for both Crash and NVH model build up activities and Analysis
- Worked closely with Design team to find out spots and suggested various design changes to improve performance of Seat Structure for both Crash and NVH Simulations

Previous Experience

Analyst - 03/2012 to 02/2015
Satyam Ventures Engineering Services, Chennai, India
Onsite deputation to Ford Technology Services India, Chennai

- Leading full vehicle model build up support for Durability and NVH analysis.
- FE modelling of BIW and Closure.
- Generation of trim mass from buck and updating in Full vehicle.
- Performing modal analysis for integrity checks.

Previous Experience

CAE Engineer - 09/2011 to 03/2012
Auto soft India Pvt Ltd, Bangalore, India

- FE modelling of Automotive parts using ANSA

Previous Experience

Management Trainee - 01/2011 to 07/2011
Jindal Aluminum Ltd, Bangalore, India

- Quality check interms of hardness, dimension, and composition of Aluminium extruded parts