ASWINI NARAYANA PRASAD

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EDUCATION

Massachusetts Institute of Technology — Cambridge, MA
School of Engineering & Sloan School of Management — Sep '16- *(Expected completion: Jan '18)*
M.S., Engineering Management

- Specialization: Manufacturing and Supply chain, systems thinking, technology management
- Thesis: Risk analysis & Mitigation solutions for Electric vehicle Li-ion batteries
- Action Projects under progress:
  - Competitive benchmarking & market strategy for ISEE, a Boston startup for Autonomous driving s/w solution
  - Trade space analysis and operational strategy for autonomous charging stations for GM

Indian Institute of Technology Delhi — New Delhi, India
M.Tech. Design Engineering — Jun '09 – July '11

- Thesis: Computationally Efficient Structural Analysis of Composite Fuselages (Won DAAD scholarship to undertake thesis work at RWTH Aachen University, Germany for 9 months)
- 3 international publications in Computational Design and Analysis

College of Engineering Guindy, Anna University — Chennai, India
B.E. Manufacturing — Jun '05 – May '09

EXPERIENCE

Research Assistant | MIT, Cambridge | Aug '16 – Present

- Program Manager for Industrial Consortium at MIT for modeling of Electric Vehicle Li-Ion batteries

Engineering Team Lead, Vehicle Electrical Business | Eaton India Innovation Center | Mar '14– July'16

- Lead & Program Manager for development of power distribution and power conversion products for heavy duty vehicles – demonstrated timely product launches by close collaboration with manufacturing and supply chain teams – Toll gate and agile program management
- Led VAVE projects for cost out & part consolidation across global manufacturing plants - demonstrated cost savings over $30K per year per product line
- Reduced product testing cost >20% by replacing physical tests by FEA and analytical modeling

Senior Engineer, Vehicle Powertrain Business | Eaton India Innovation Center | Aug'13-Feb'14

- Designed the exhaust energy recovery system for heavy duty diesel vehicles – demonstrated nearly 8% reduction in fuel consumption
- Design and optimization of conventional and electric boosting solutions (superchargers) for light duty engines using GT-Suite software

Engineer, Technology Advancement Team | Eaton India Innovation Center | Aug '11-Aug '13

- Part of Eaton's Engineering Technology Leadership Program (ETLP) - 2 years rotational program – recognized as one among top 5% candidates at Eaton India.
- Established in-house computational modeling and testing capabilities for composite materials by working closely with supply chain and purchase teams to establish vendors and external test lab partnership.
- Pioneered Fuel Economy simulation for light duty and heavy duty vehicles using GT-Suite software

OTHER ORGANISATIONAL INVOLVEMENTS

- Co-led strategic initiative at Eaton "Building an Integrated Innovation Framework" – Won Eaton APAC award (2012) for Continuous Improvement
- Core organizer of annual global technical event of Eaton India with 200+ global participants – first of its kind to bring engineering, manufacturing and marketing leaders and experts together to focus on regional innovation (2013)
- Green Belt certified in Design for Six Sigma – Also organization wide mentor, reviewer and trainer for Design for Six Sigma