Short Bio-data

Name: Dr (Ms) Manju Nanda

Designation: Chief Scientist

Division: ALD

Area of Expertise: Safety critical embedded system and software design-development, enabling software technologies, and certification

Specialization: Design development of safety systems, software technologies for critical systems, model-based systems engineering, formal methods, and developing certification framework

Publications:

Journal – 8

Conference Paper publication - 49

Subject area willing to guide the student: **Computer Science / Electronics**

Technical Documents:

- Published 500 documents related to Safety Critical Aerospace Projects

Case Studies Published:

- Case Study titled "Model-Based Validation of Algorithm for Safety-Critical Systems" published on NI website http://sine.ni.com/cs/app/doc/p/id/cs-17612, authored by J. Jayanthi, Manju Dr. Nanda, G. Shamsundar Dhage, Kushal K S, John Atlan

- "Model-Based Design for DO-178B Flight Software Development", showcased in the Matlab Expo, 21st August 2013. Published at http://www.mathworks.in/company/user_stories/National-AerospaceLaboratories-ProvesBenefits-of-Model-Based-Design-for-DO-178B-Flight-Software-Development.html.