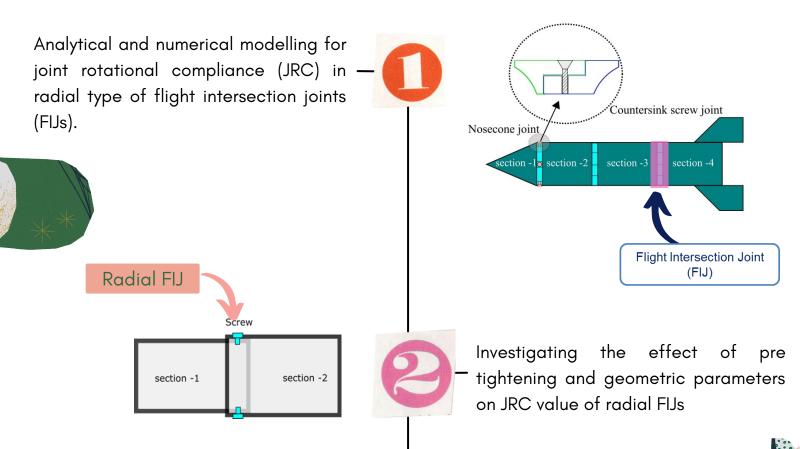
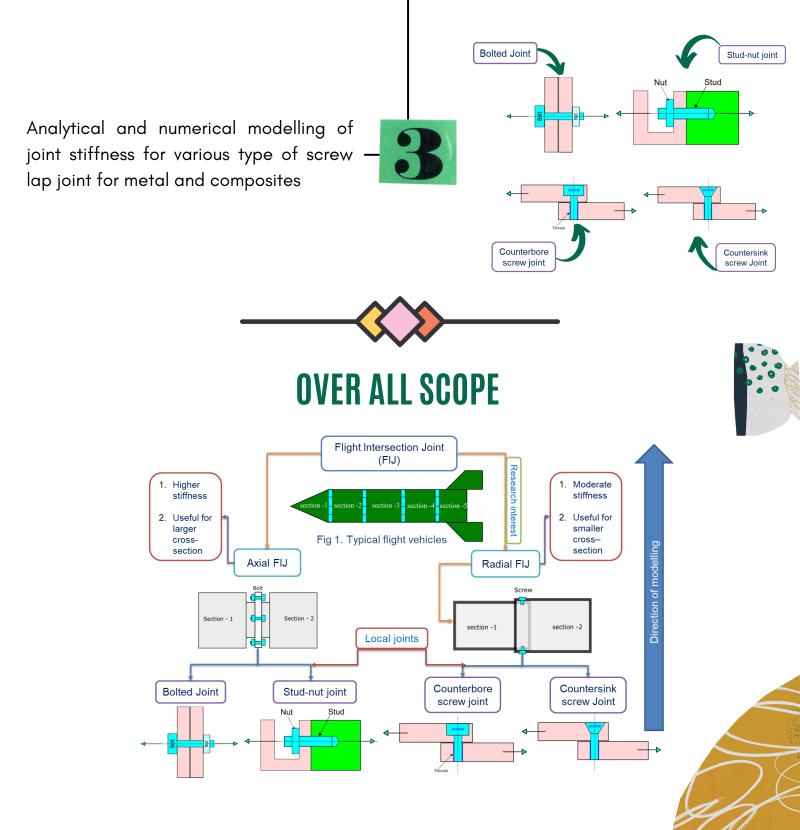


ABOUT: I am a MHRD-DRDO-Ph.D. student at Indian Institute of Technology, Hyderabad; working with Dr.Ramji Manoharan and Dr. Vijayabaskar N (DRDO). EDUCATIONAL DETAILS :

- PhD. in Mechanics and Design, Department of Mechanical and Aerospace Engineering, IIT Hyderabad, Telangana. (2020-Present)
- M. Tech in Design and dynamics, Department of Mechanical Engineering, College of Engineering Technology, Bhubaneswar, Odisha. (2018-2020)
- B.Tech in Mechanical Engineering, C. V. Raman College of Engineering, Bhubaneswar, Odisha. (2013–2017)

RESEARCH AREA





MODELLING OF LOCAL SCREW LAP JOINT (LOCAL JOINTS)

Analytical Model:

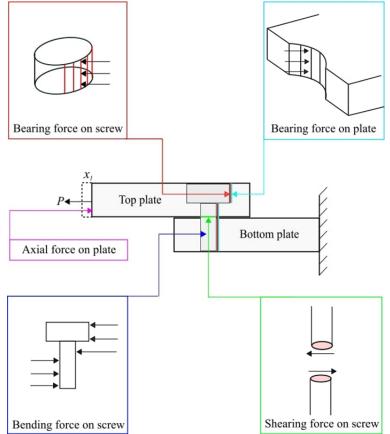
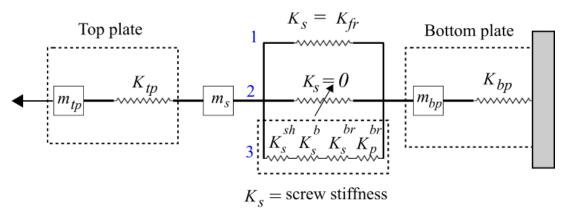


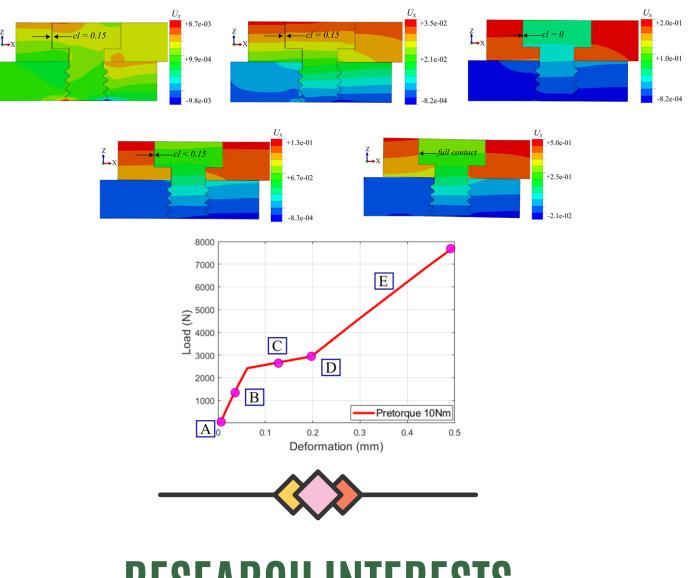
Figure: Various force acting on screw lap joint when it loaded by external force P



1 : Initial stage, 2 : Middle stage, 3 : Final stage

Figure: Spring mass model of screw lap joint

Finite element Model:



RESEARCH INTERESTS

- Mechanical joints: Bolted and screw
- Composite structures
- Joints in Launch vehicles