

EDUCATIONAL DETAILS :

- PhD. in Mechanics and Design, Department of Mechanical and Aerospace Engineering, IIT Hyderabad, Telangana. (2020–Present)
- M.Tech in Computer Integrated Design and Manufacturing, Department of Mechanical Engineering, National Institute of Technology, Jamshedpur, Jharkhand. (2018-2020)
- B.Tech in Automobile Engineering, Department of Mechanical Engineering, M.V.S.R Engineering, Hyderabad, Telagana. (2013–2017)

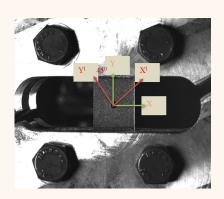
RESEARCH AREA

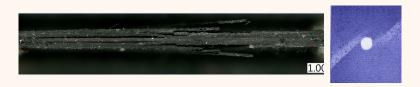
1 Experiments

Studying the damage initiation and propagation in composite laminates under multi-axial static and fatigue loading.

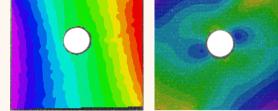
Tension	
	➤ Shear mbined tension and sh



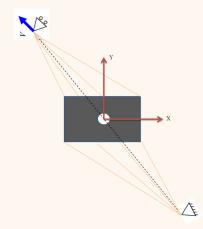




Digital microscope and IR-NDT images of open hole specimens subjected to tension-shear(45 degree) loading .

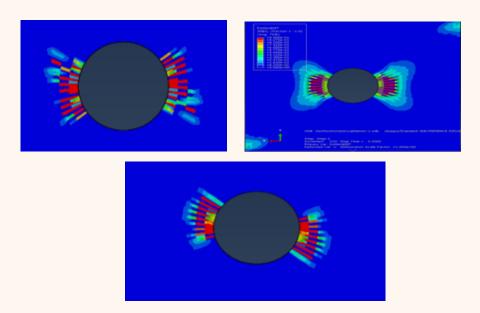


3D DIC Displacement and strain contours in open hole specimens subjected to tension-shear loading .



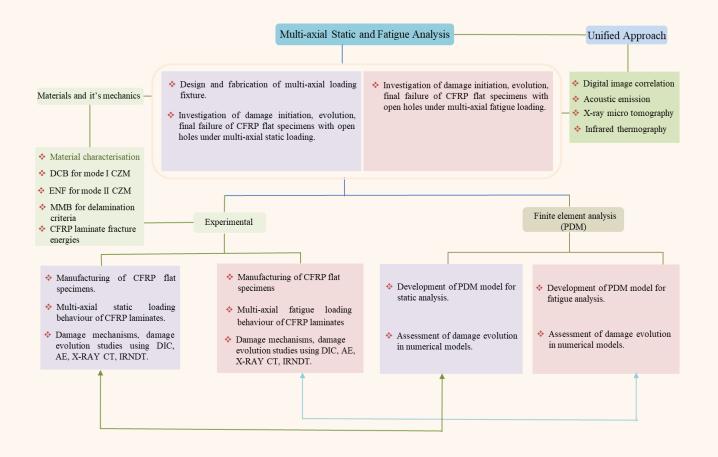
2 Numerical Simulations

Developing a generic PDM for simulating the damage evolution and failure mechanism in the composite laminates under multi-axial static and fatigue loading.





OVER ALL SCOPE





RESEARCH INTERESTS

- Finite Element Analysis
- Composite Structures
- damage Mechanics
- Non-Destructive testing