**Ali Raza Butt (Jan ‘25 – Jun ’25):**

* Modification of geometry module for geometry calculation and generation of Horizontal Tail
* Automating geometry generation as per limitations of MnS analysis modules (Aero2S, BDAP)
* Modifying and integrating Athena’s input files for stability analysis
* HSTD-40 Validation on MnS (Configuration 5 and 7)
* Modifying and debugging Athena’s code for fuselage generation of all types of models for stability analysis
* Generating the MnS user guide
* Modification of geometry and aerodynamic module to include Canopy and pods for analysis
* F-16 VSP geometry generation
* F-16 validation on MnS
* Documentation of MnS framework and module wise updates

**Courses and workshops**

* CFD and Turbulance Modelling
* Aircraft Familiarization Course
* Workshop on Physical Security
* Workshop on Network Security