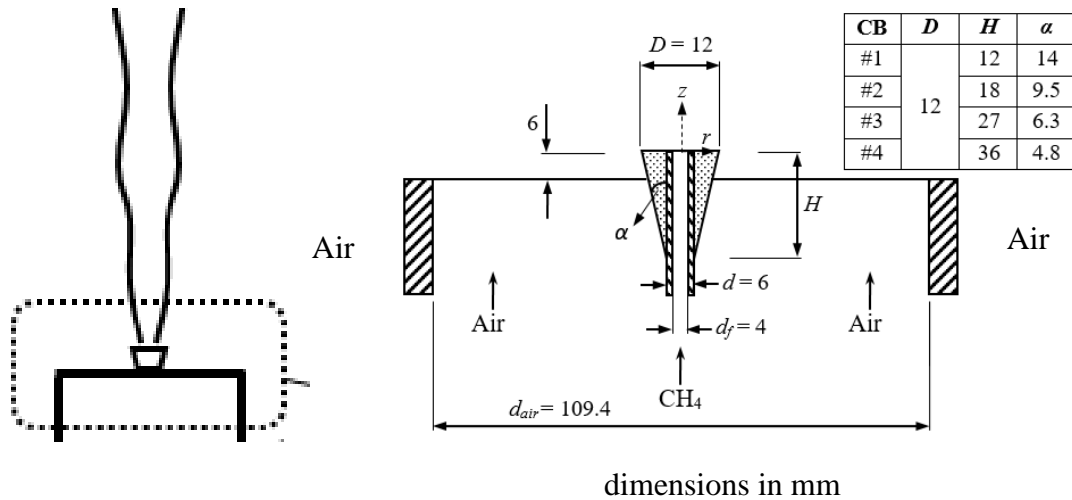


## TERM PROJECT – MECHANICS OF TURBULENCE



- 1) At the burner exit, the fuel (methane) velocity is 15 m/s and the flow rate of the coflowing air 7.6 m/s. Make LES analyses of the nonpremixed methane flame developing downstream of a conical buff-body using the open source platform, **openFoam** with in-built library. Use **snappyHexMesh** for meshing.
- 2) Submit a complete report including the following sections: Abstract / Introduction and Literature Survey / Governing Equations / Numerical Methods and Mesh Details / Results and Discussions / Conclusions. Reports should be written in **LaTeX**.