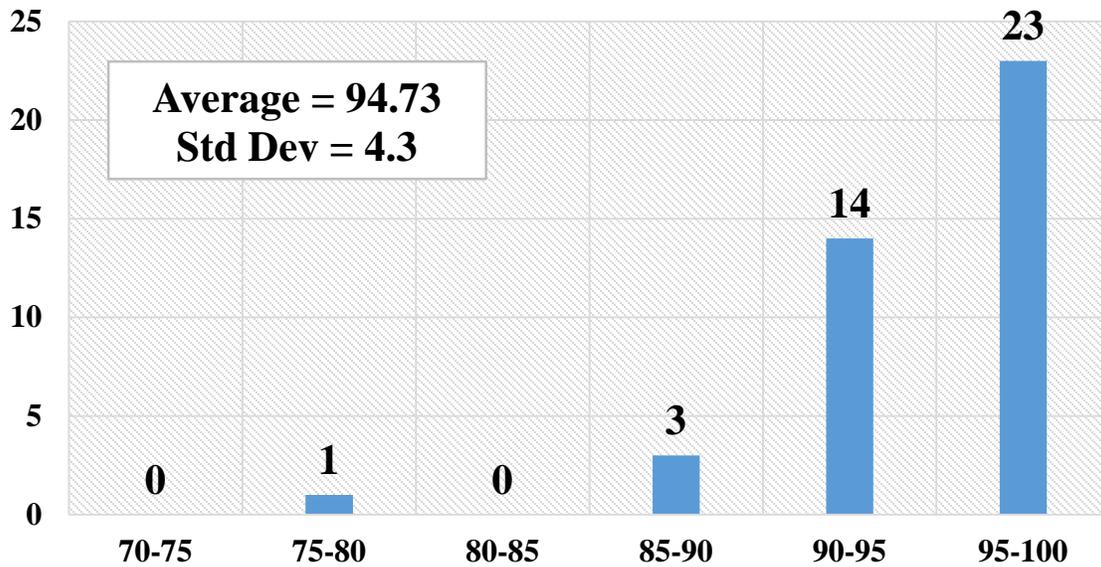


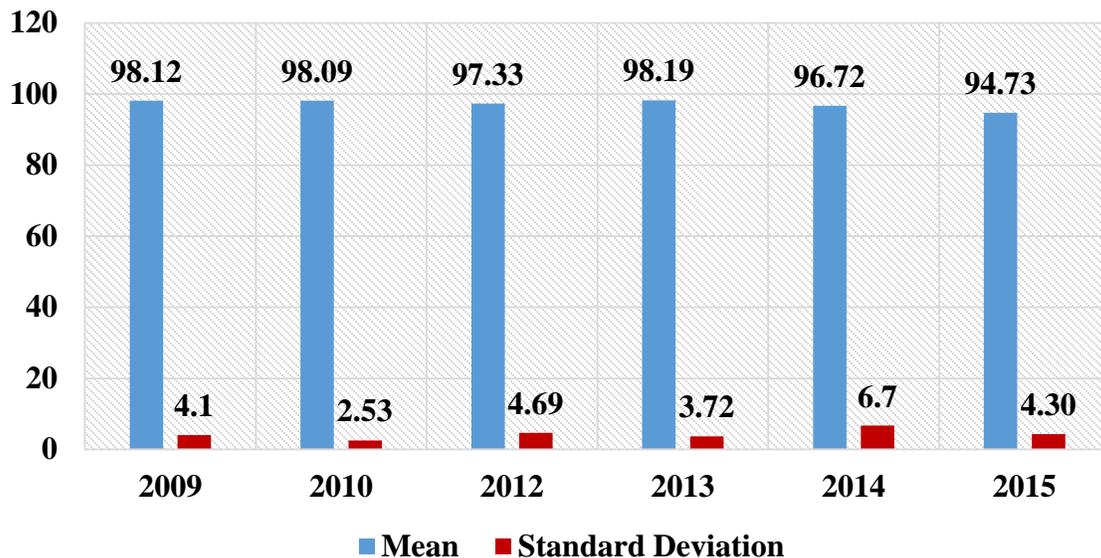
REPORT OF CFD LAB 3

	Number of Students
Total	41
Submitted	41
Not Submitted	0

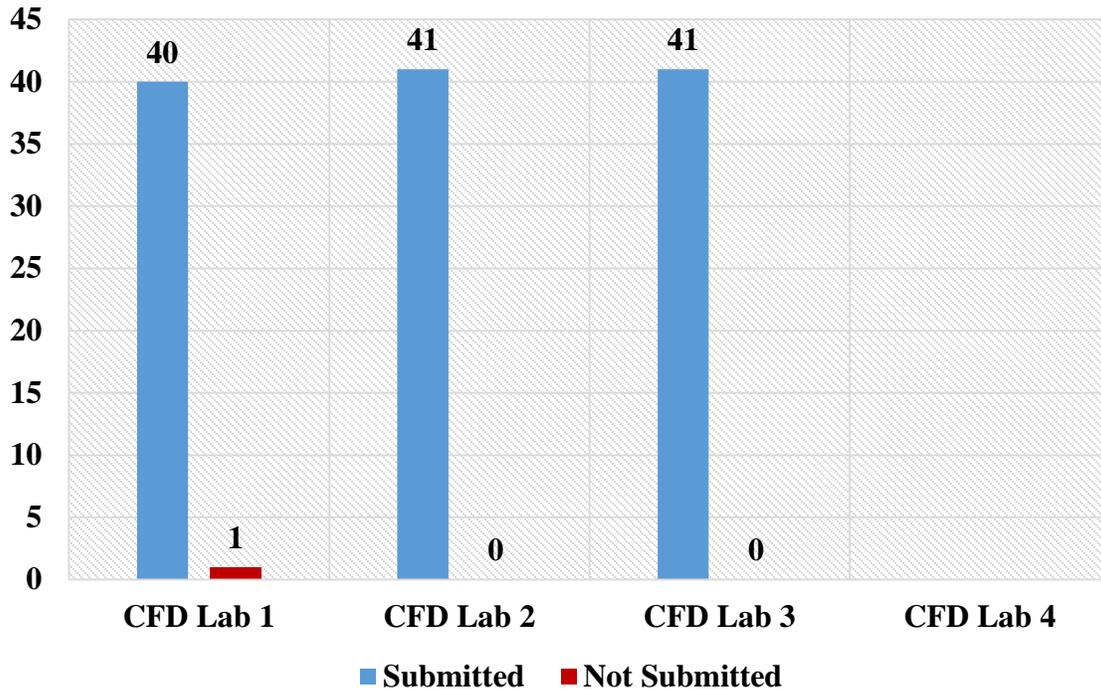
GRADE DISTRIBUTION



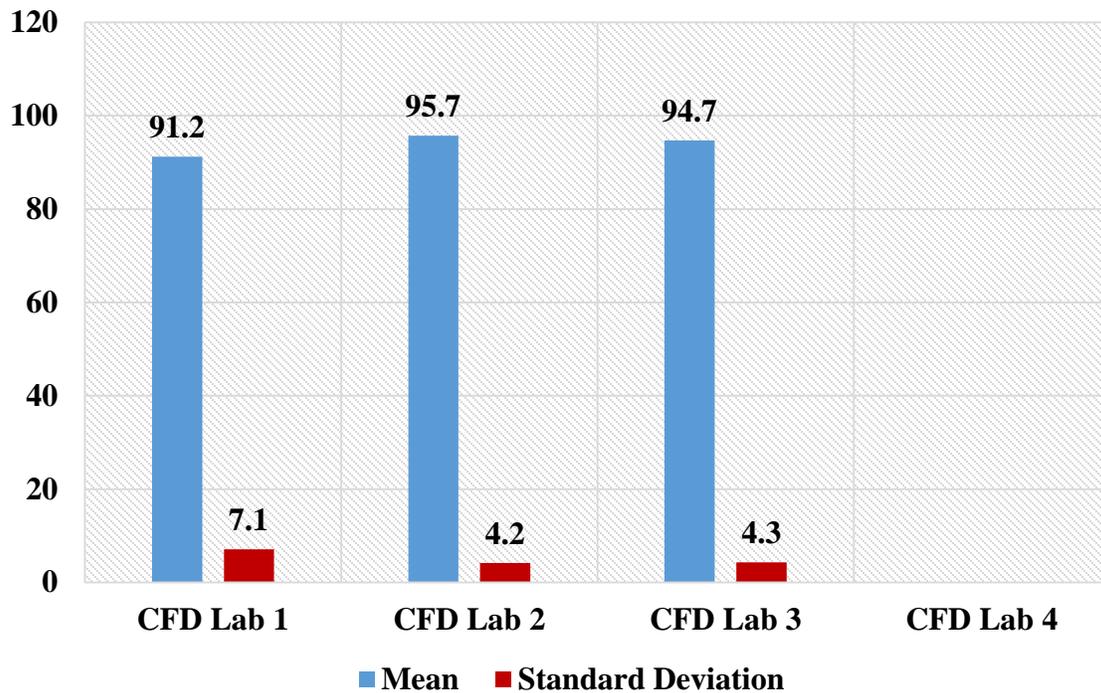
COMPARISON WITH PREVIOUS YEARS



SUBMISSION HISTORY (FALL 2015)



COMPARISON OF CFD LAB (FALL 2015)



1) Common Mistakes

- CFD Process
 - Some students didn't report the dimensions of the geometry.
 - Some students didn't report the boundary conditions.
- Data Analysis and Discussion
 - Many students missed figures of axial velocity contour.
 - Many students reported friction forces on bottom wall instead of top wall.

2) Feedback

- Positive
 - Students could see the details of the flow fields inside the diffuser.
 - Students could study the effect of turbulence modelling.
 - Students could study the separation phenomena.
- Negative
 - None.

3) Student Suggestions

- Some students required more explanation on modified U and TKE variables.
- Some students suggested that setting up lines inside the Fluent could be automated.
- Few students suggested that discussion should be made for all the figures students put inside the report.
- Few students suggested that manual should provide the final figures to be compared.
- Few students suggested that manual should provide more information for the equation part.