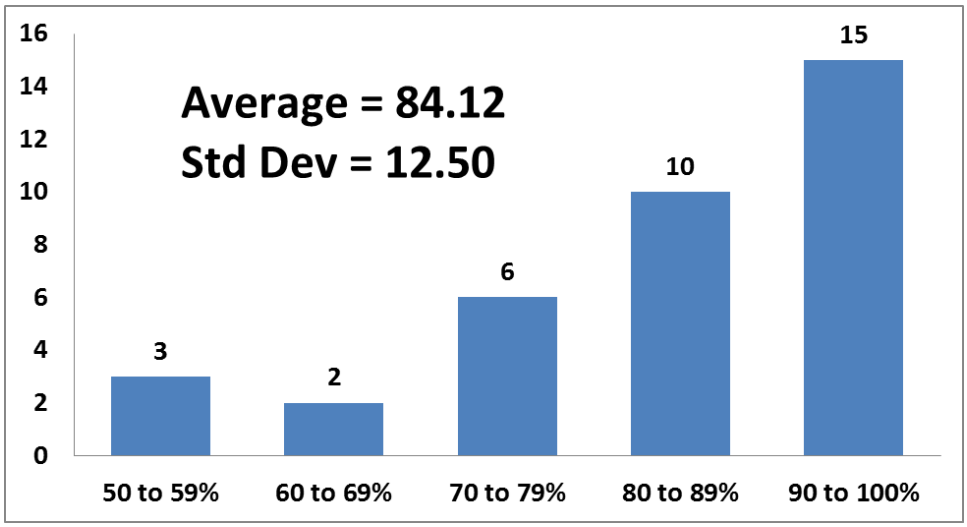
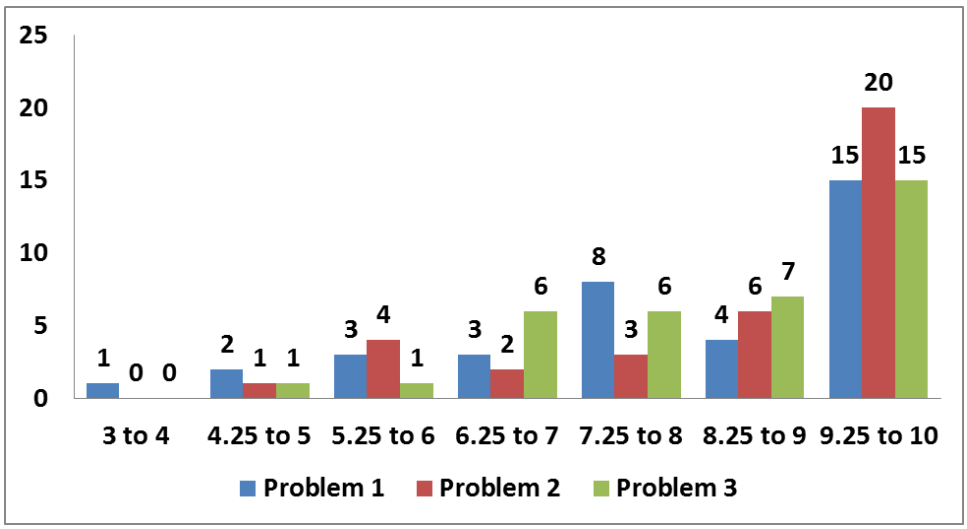
EXAM #2 REPORT

	Number of Students
Total	36
Submitted	36
Not Submitted	0

GRADE DISTRIBUTION

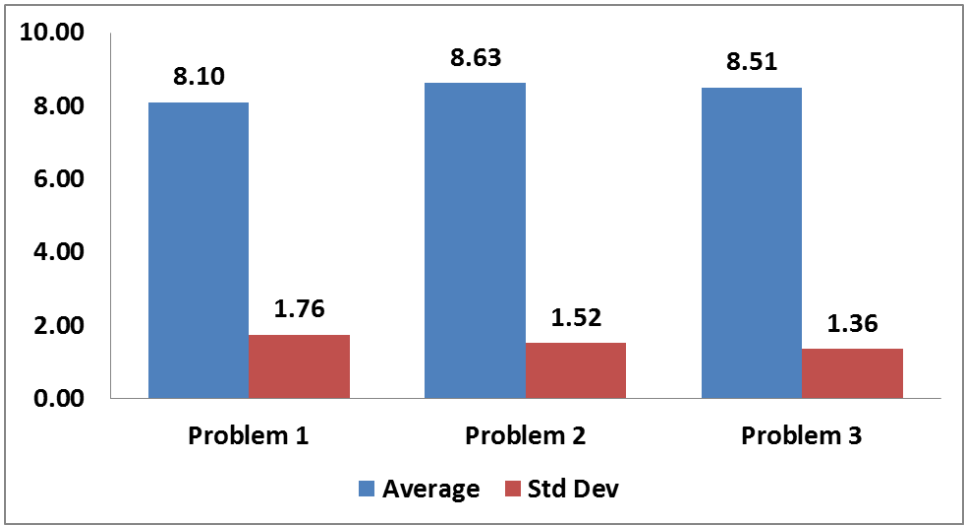


DISTRIBUTION PER PROBLEM

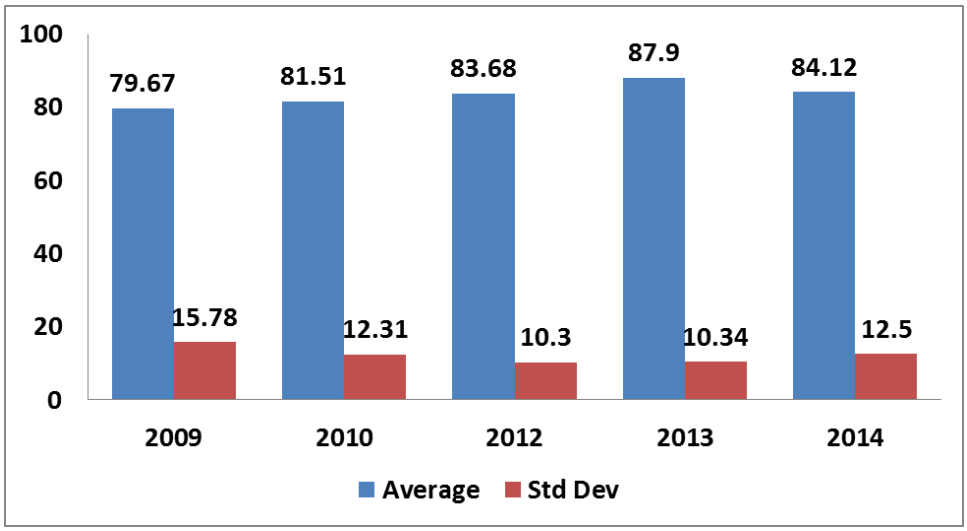


INDIVIDUAL PROBLEM BREAKDOWN

	Problem1	Problem 2	Problem3	Total
Average	8.10	8.63	8.51	84.12
Std Dev	1.76	1.52	1.36	12.50



COMPARISON WITH LAST 4 YEARS



SPECIAL COMMENTS

Problem 1

- Most students did well on Pi/similarity, with a few students making mistakes in the number of Pi's or getting non-dimensional Pi's, or using similarity between model and prototype.
- Some students made mistake in reducing the angular momentum equations and find the bending moment.
- Some students did not replace velocity from continuity equation to get equation as a function of Q.

Problem 2

- A few students made incorrect assumptions when reducing z-momentum equation.
- A few students did not correctly integrate the z-momentum equation.
- A few students did not use the correct boundary conditions.
- Most errors were made applying B.C.s to find constants of integration.

Problem 3

- Many students made mistakes for finding hydraulic diameter: just one section instead of two sections. As a result, following Re, friction factors are solved for one section.
- Many students also made mistakes for finding velocity with flux Q: the students assumed the cross section circular shape instead of square.
- Some of students missed efficiency factor for finding the power of blower.