



DEFINITION OF IE

- ❑ Industrial Engineering is concerned with the design, improvement and installation of integrated system of men, materials and equipment.
- ❑ It draws upon specialized knowledge and skills in the mathematical, physical sciences together with the principles and methods of engineering analysis and design to specify, predict and evaluate the results to be obtained from such systems.





DEVELOPMENT

❑ Period between 1882-1912 was the critical in the history of industrial engineering. The important works during this period are: 1. **Factory system and owner - engineer and manager concept.** 2. **Equal work, equal pay and incentive schemes.** 3. **Scheduling and Gantt charts.** 4. Engineers started taking interest in **cost control and accounting, production and productivity.**

❑ The first official course in industrial engineering was created by Pennsylvania State University in 1908.

