Title: Designing HVAC Systems of a highrise building for LEED by USGBC
Ref: HVAC
Type: Departmental
Vacancy: 1 Student
Duration: 1 Semester

Project Description:
The project will consist of evaluating and designing Heating, Ventilating, Air-conditioning and Sanitary systems of a mixed use highrise building for green building rating system LEED (Leadership Energy Environmental Design) by USGBC (US Green Building Commission)

Work Description:
Student will use architectural concept drawings to evaluate and design mechanical system for LEED prerequisites and credits. Water efficiency, energy and atmosphere and indoor air quality sections will be given priority. At the end of the project the student will prepare a report documenting related LEED prerequisites and credits.

Qualifications and Skills:
  - Good Knowledge of Thermodynamics and Heat transfer
  - Fundamental Level HVAC Systems knowledge
  - Fundamental CAD skills