Graduates Attributes

According to NARS 2018 the graduate attributes of civil engineering are:

1. **GA1.** Master a wide spectrum of engineering knowledge and specialized skills and can apply acquired knowledge using theories and abstract thinking in real life situations.

2. **GA2.** Apply analytic critical and systemic thinking to identify, diagnose and solve engineering problems with a wide range of complexity and variation.

3. **GA3.** Behave professionally and adhere to engineering ethics and standards.

4. **GA4.** Work in and lead a heterogeneous team of professionals from different engineering specialties and assume responsibility for own and team performance.

5. **GA5.** Recognize his/her role in promoting the engineering field and contribute in the development of the profession and the community;

6. **GA6.** Value the importance of the environment, both physical and natural, and work to promote sustainability principles.

7. **GA7.** Use techniques, skills and modern engineering tools necessary for engineering practice.

8. **GA8.** Assume full responsibility for own learning and self-development, engage in lifelong learning and demonstrate the capacity to engage in post- graduate and research studies.

9. **GA9.** Communicate effectively using different modes, tools, and languages with various audiences; to deal with academic/professional challenges in a critical and creative manner.

10. **GA10.** Demonstrate leadership qualities, business administration and entrepreneurial skills.

In addition to all engineering graduate attributes defined by NARS 2018, Civil Engineering graduates should be able to:

11. **GA11.** Design of constructions systems that meet specified needs with applicable standards.

12. **GA12.** Understand the concept of quality control during design and construction, field verification, and review.

13. **GA13.** Incorporate economic and business practices into engineering projects.