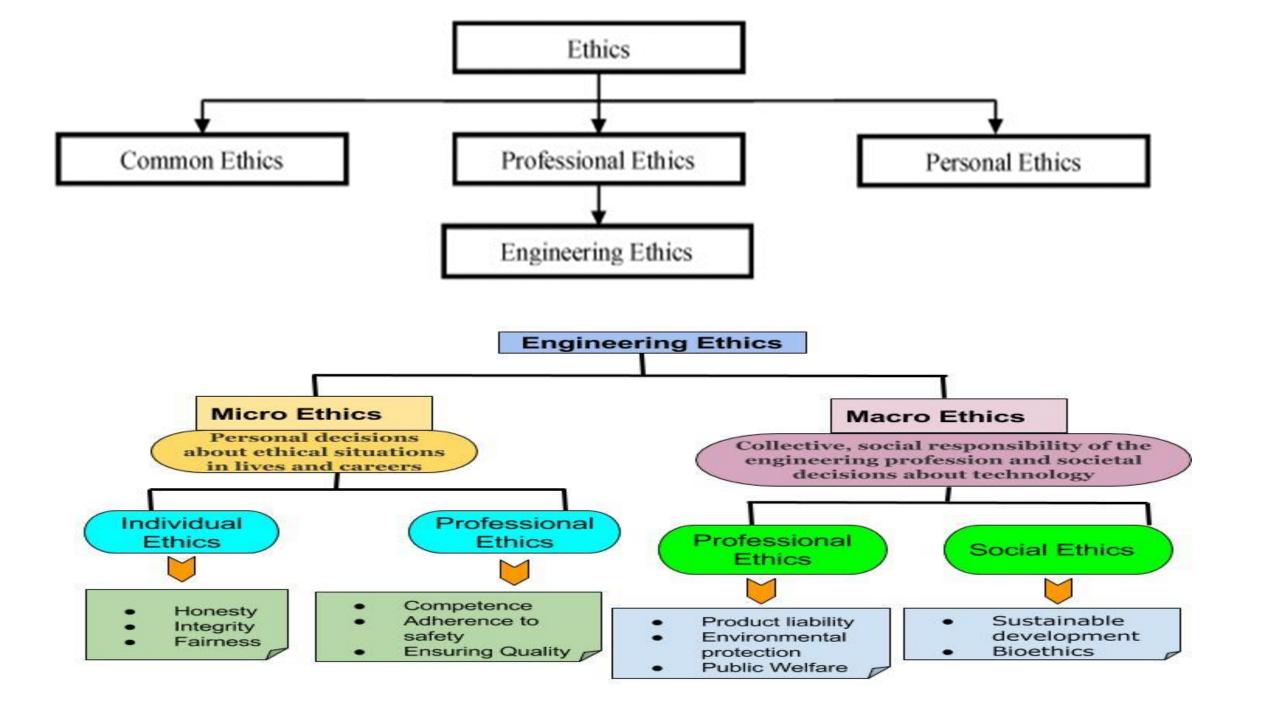
### What is Ethics?

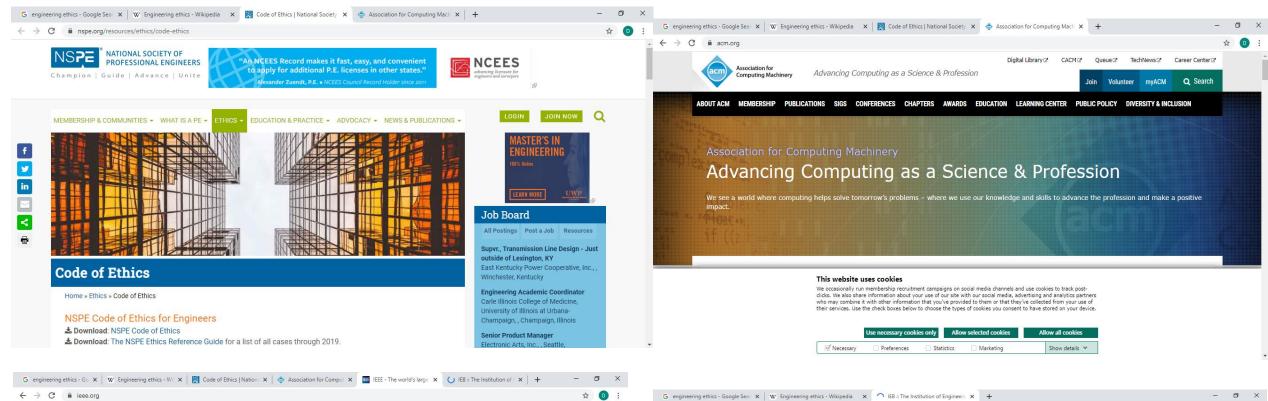
- Ethics (dictionary) "the philosophy of morals or the standard of character set by any nation or race"
- Morals (dictionary) "pertaining to action with reference to right and wrong"
- Engineering ethics:

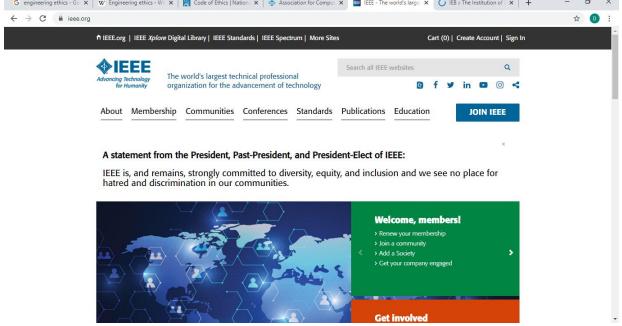
"Study of Moral Values, Issues and Decisions as they relate to Engineering Practice"

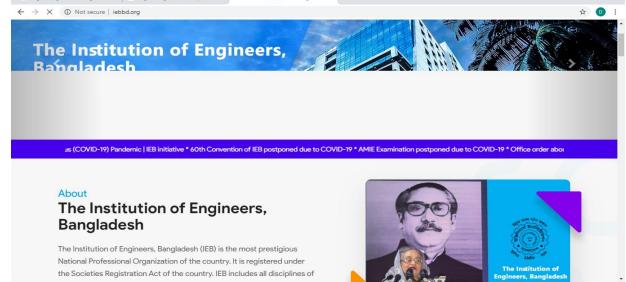
## So, what is engineering ethics?











### **ABET**

stands for .....

# Accreditation Board For Engineering And Technology



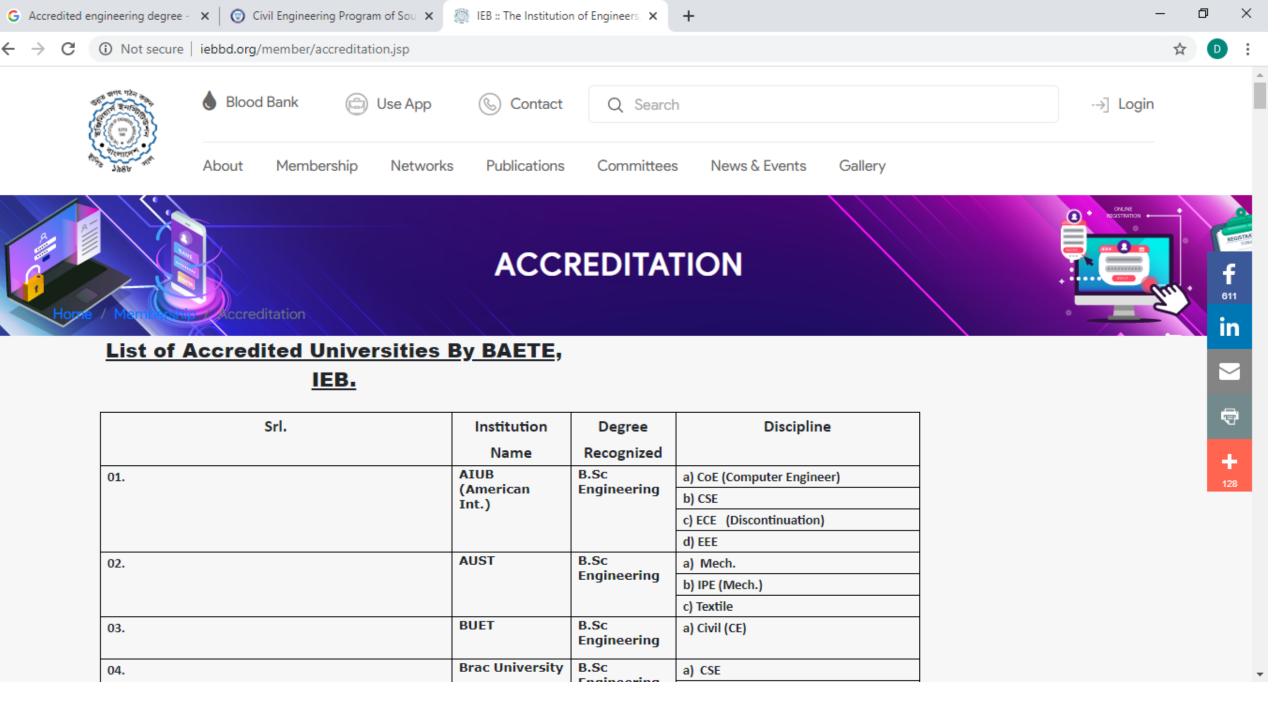
#### 1.1 DEFINITION OF ENGINEERING

- i) Accreditation Board for Engineering and Technology (ABET)
  - a board that accredited engineering bachelor's degree program in United States
- ii) Engineering Accreditation Council (EAC)
  - is entrusted by Board of Engineers Malaysia (BEM) to accredite all engineering Bachelor's program in Malaysia.

# **ABET Accreditation**

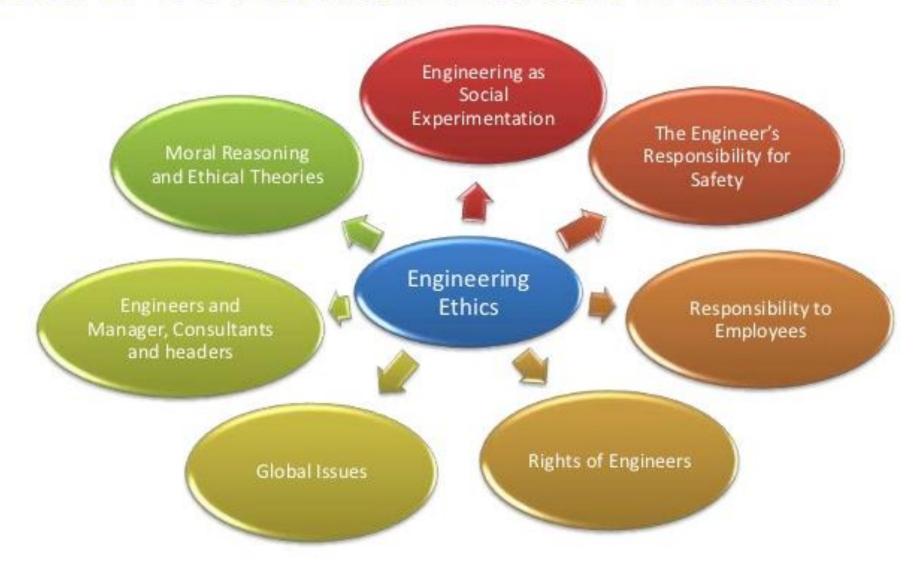
- Many states require engineers to be graduates of an ABET accredited engineering program before they are eligible to take the Professional Engineer (PE) exam
- Visit your state's licensing board to learn about their engineering licensing requirements
- Visit http://www.abet.org to see the list of all accredited programs and learn more about ABET





Level	Focus	Students should be able to:
1	Awareness of issues, obligations and responsibilities; sensitizing students to ethical issues	<ol> <li>Give examples of ethical issues related to engineering</li> <li>Recognize ethical responsibilities of engineers</li> <li>Describe in outline an ethical framework for engineering</li> </ol>
2	Resolving practical problems; enabling students to identify ethical issues and to examine and weigh up opposing arguments	<ol> <li>Identify ethical issues related to an engineering situation</li> <li>Suggest ways to deal with ethical issues in engineering</li> <li>Illustrate the ethical dimension of practical engineering</li> </ol>
3	Reflection and critique of ethical issues; consolidation of ethics skills and practice; specialist study	<ol> <li>Undertake an ethical audit</li> <li>Discuss ethical dilemmas in engineering</li> <li>Justify an ethical stance</li> </ol>
4	Further reflection and critique of ethical issues; specialist study	<ol> <li>Articulate ethical problems in engineering</li> <li>Reach an ethically justified or morally reasoned practical solution to an ethical problem with an appropriate plan of action</li> <li>Propose policy relating to ethical questions in engineering</li> </ol>

# SCOPE OF ENGINEERING ETHICS



or degree in engineering recognized by IEB
Plus
of The Institution of Engineers, Bangladesh
49 STO 15 TO
Plus
<b>*</b>
n) years professional experience including 2(two) years' experience in responsible
ineering capacity and activity
Plus
<b>\</b>
of Continuing Professional Development
(CPD)
↓
Application
PEng Registration
Application PEng Registration