Engineering profession.

Engineering is one of the most ancient occupations in the history. The skills included into its broad field have led our civilization to the high level development at present days.

Engineering is often defined as making practical application of theoretical sciences such as physics and mathematics. Thus the work of engineer requires the analytical cast of mind and imagination. His main functions are designing, developing and testing products. At present the engineer may deal with the automation processes, so he can work in the designing office, in the lab and in the production field of engineering.

Mechanical engineering is one of its main divisions, which deals with the design, construction and operation of machines and devices of all kinds. Among these machines are prime movers such as engines and turbines, operating pumping machines and other hydraulic apparatus; air conditioning, refrigerating equipment and what not.

As for civil engineering its quality influences greatly industry, health, agriculture, commerce and communication. Civil engineers are people with vision, able to comprehend the forces and processes of nature and use them for the future well- being of mankind.

A rapidly changing world demands the design competence which should be situated within knowledge of current issues, such as urban problems, the new environment of computer aided design, the Internet and the application of new materials and technology. The work of the architectural technologist bridges this gap between design theory and construction practice. Modern day architects are well qualified professionals with practical and creative skills who can analyze construction problems and find attractive, prolific solutions.

In 21 century the people of engineering professions have at the command new sources of power. They are to work hard for developing different industrial branches and thus making a great contribution to the progress of our society.

1. ancient occupations	древние занятия
2. skill	умение, мастерство
3. broad field	широкий спектр
4. application	применение
5. require	требовать, нуждаться
6. cast of mind	склад ума
7. imagination	воображение
8. testing	апробирование
9. deal with	иметь дело с
10. automation processes	автоматизированные процессы
11. device	средство, устройство, механизм
12. prime mover	первичный двигатель
13. engines	мотор
14. turbine	турбина
15. pumping machines	насосные машины
16. hydraulic apparatus	гидравлические приборы
17. air conditioning	кондиционирование воздуха
18. refrigerating equipment	холодильное оборудование
19. comprehend	воспринимать
20. competence	компетентность, знания
21. current issues	современные понятия
22. bridges this gap	ликвидировать разрыв
23. prolific solutions	плодотворные решения
24. have at the command	иметь в распоряжении
25. sources of power	источники энергии
26. society	общество

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