

ACCREDITATION OF ENGINEERING EDUCATION IN TURKEY

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MUDEK

- *Educations in the field of Engineering should be standardized and accredited.*
- *In order to solve this problem MUDEK has established in 19th January 2001 with the decision of the Council of the Deans of the Engineering and Architecture faculties of Turkey.*
- *The aim of MUDEK was to evaluate and solve the problems of engineering education and standardize the system as Europe.*

MUDEK

- *MUDEK is than approved by the Council of Higher Education of Turkey as a national accreditation body for engineering and architecture education in 2007.*
- *MUDEK is the member of the “European Network for Accreditation of Engineering Education”(ENAAEE).*
- *Since 2009 MUDEK is also able to give EUR-ACE certificate.*

- *MUDEK functions and its accreditation procedure and EUR-ACE procedures is going to be explained for Engineering Education in Turkey.*

The Aim of MUDEK

- The main aim of MUDEK is to accredit the engineering programs according to international principals.
- Therefore the first consideration was the engineering education should be evaluated from industry perspective.
- Engineering programs must give the ability to identify, formulate and solve the engineering problems to the students.

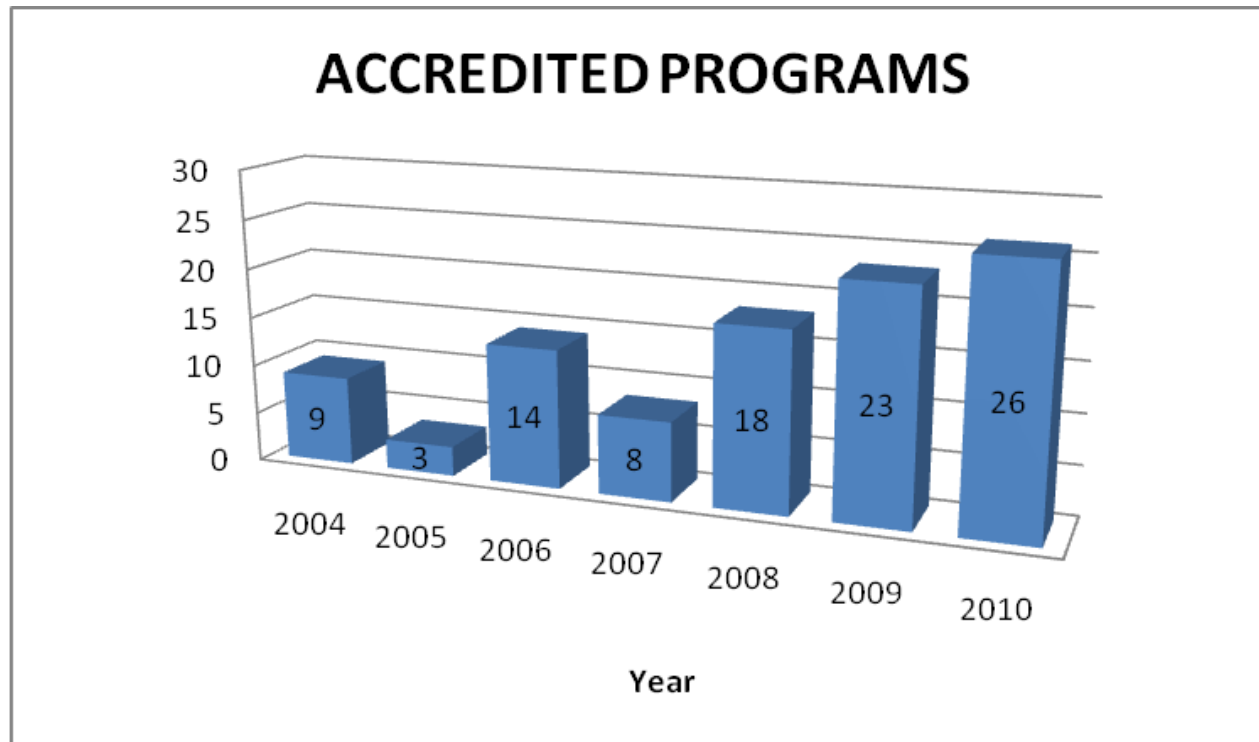
The Purpose of Accreditation

- Identifying engineering programs that meet minimal evaluation criteria in order to inform society, future students, student counselors, parents and legal guardians of students, educational institutions, professional societies, prospective employers, and public organizations.
- Fostering the advancement and continuous improvement of existing programs in engineering as well as the development of new programs.
- Encouraging the development of engineering education in Turkey.

- The criteria used by MÜDEK in evaluating programs determine the minimum accreditation requirements to be met by engineering programs which are;
- an ability to function on multidisciplinary approach, team work
- ability to communicate effectively
- globalization, and increase in learning environments by information technology

Situation in Turkey

- MUDEK accredited 101 engineering programs.

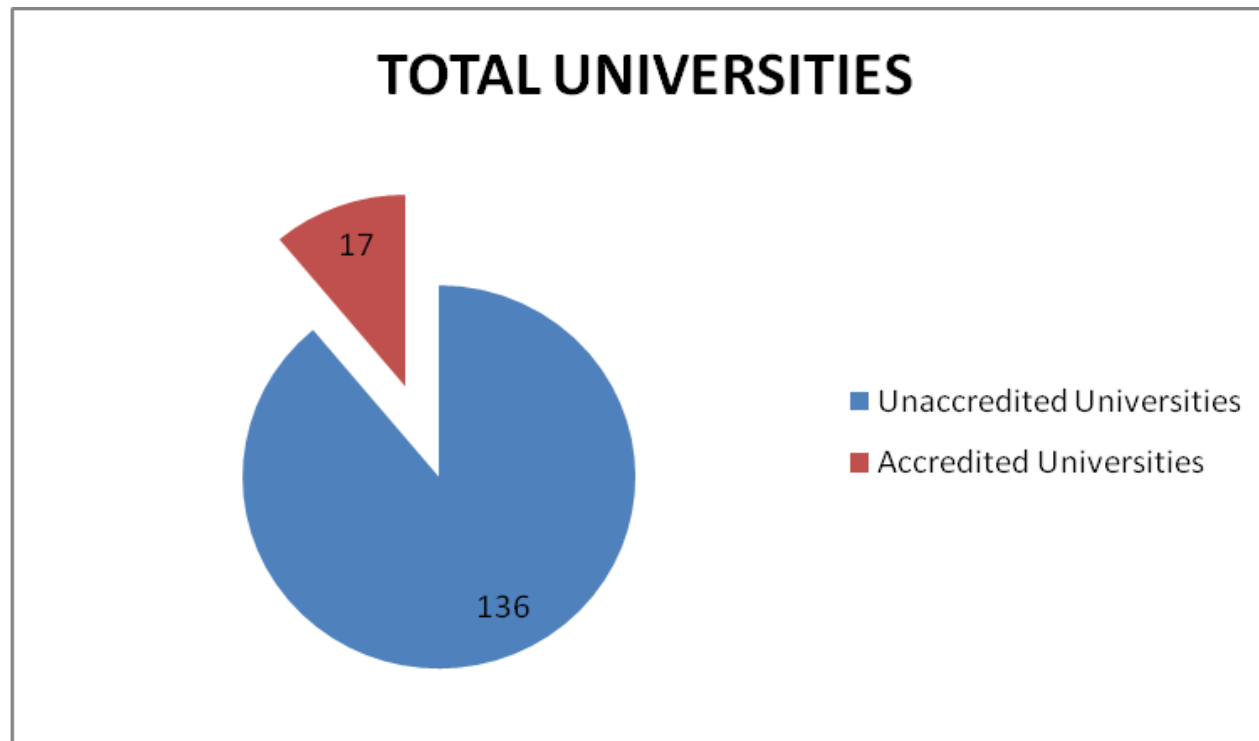


Situation in Turkey

- After the year 2006 the amount of the programs accredited increased because of the recognition of MÜDEK by the Higher Education Council of Turkey.

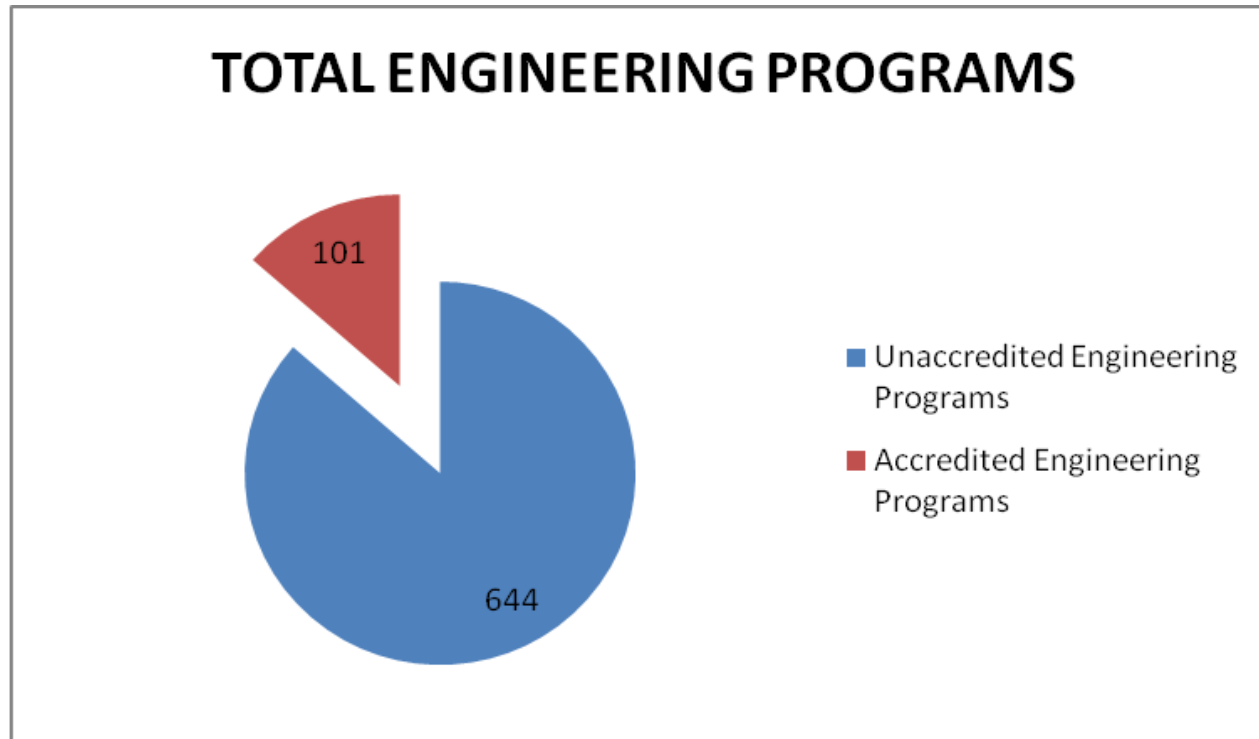
Situation in Turkey

- The number Universities with accredited and unaccredited engineering programs



Situation in Turkey

- Total accredited and unaccredited engineering programs in Turkey

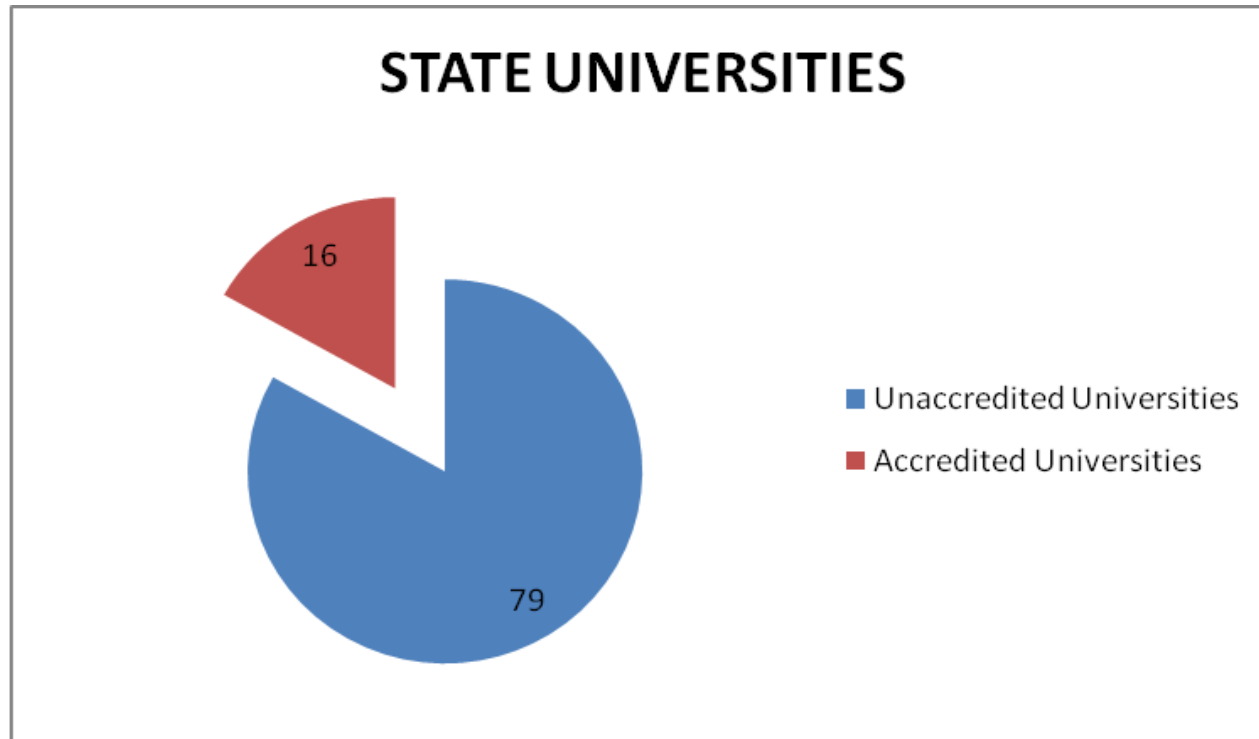


Situation in Turkey

- 70 state universities out of 95 has an engineering programs and only 16 of them were accredited their engineering programs.
- Considering the 38 private university total of 55 private universities has an engineering program, only one of them was accredited with 6 engineering programs in which two of them were EUR-ACE labeled.

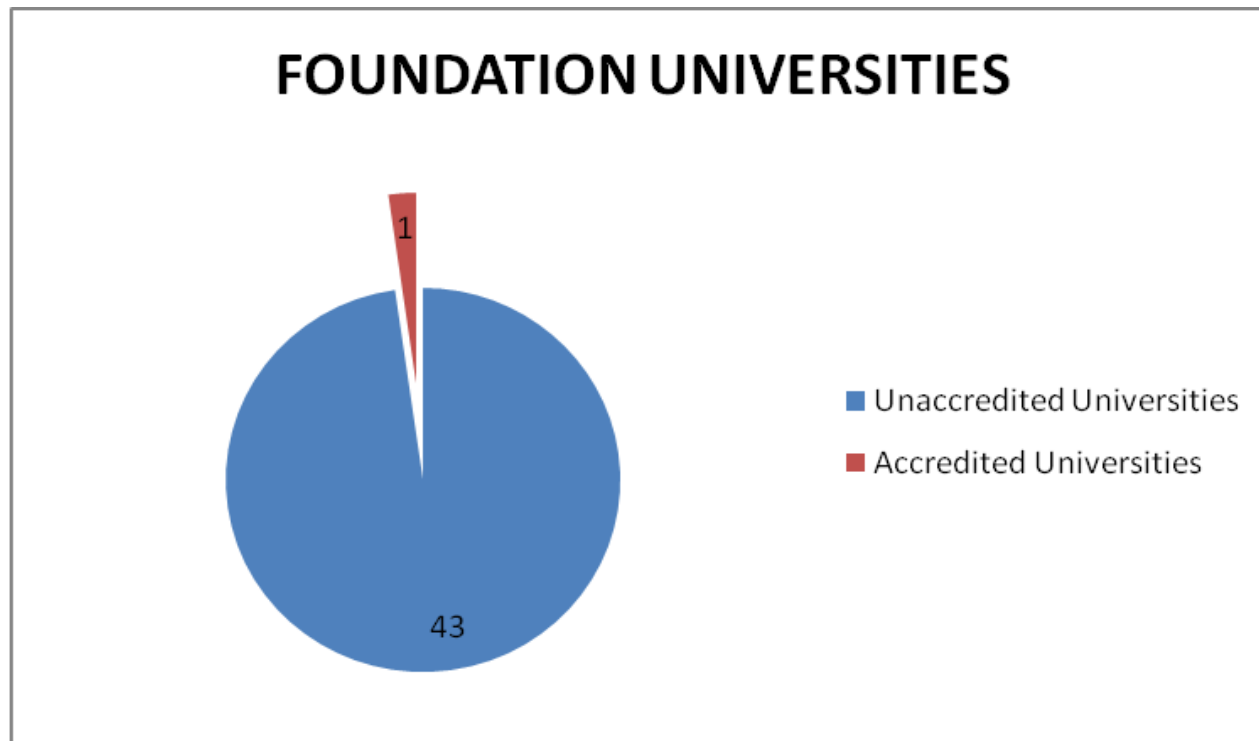
Situation in Turkey

- Accredited and unaccredited state universities in Turkey



Situation in Turkey

- Accredited and unaccredited private universities in Turkey



Situation in Turkey

- Engineering programs accredited in TURKEY.

<i>Programs</i>	<i>Accreditation Number</i>
Computer Engineering	6
Environmental Engineering	8
Chemical Engineering	11
Civil Engineering	16
Materials Science and Engineering	1
Food Engineering	4
Electrical and Electronics Engineering	11
Geological Engineering	6
Mechanical Engineering	12
Industrial Engineering	5
Geodesy and Geophysical Engineering	6
Mining Engineering	3
Metallurgical and Materials Engineering	5
Textile Engineering	2
Engineering Map	3
Genetics and Bio Engineering	1
Systems Engineering	1

Conclusion

- The higher education should be global and standardized.
- Therefore accreditation of the programs is so important in order to be recognized by EU countries and USA.
- This means that MÜDEK is internationally approved an accreditation body and the applications for accreditation increases.

Conclusion

- New engineering education programs are not yet at the accredited state as it was expected.
- Those programs should be encouraged to be accredited.