

Electrical and Electronic Engineering PhD Program Outcomes

The student:

1. develops a new method or application in engineering issues.
2. determines, identifies, formulates and solves the complicated engineering problems, and chooses and applies the suitable analysis and modelling methods for that purpose.
3. designs a system or process under the real limits and conditions and meets some certain criteria; and applies the modern design methods for that purpose.
4. designs and carries out experiment, collects data, analyzes and evaluates the results for the examination of the engineering problems.
5. effectively works in intra-disciplinary environment, and is able work individually.
6. has the consciousness of the life-long learning, the skills to access to the information, to follow the improvements in science and technology and continuous self-development.
7. is aware of professional ethics and responsibilities
8. has the information of the applications in the business life such as project management, risk management, and awareness of the entrepreneurship, innovativeness, and sustainable development.
9. has the information about the effects of the engineering applications on health, environment and security in universal and social dimensions, and about the matters of the age; the awareness of the legal results of the engineering solutions.