Internship Framework Programme for First-Cycle Students
of Electronics and Telecommunications - Information and Communication Technologies [1]

The goal of internships is to expand the knowledge taught at mandatory and selective courses, as well as to develop the ability to use this knowledge in professional work. By getting to know the specifics of work in various positions, the student should acquire the ability to apply the theoretical knowledge obtained in the course of studies in a practical business setting and gain experience in performing individual and team-based professional duties. The student should become familiar, as much as possible, with the practical aspects of working in the profession of a telecommunications engineer, while particularly improving the skill of individual and team work management, and taking responsibility for the work performed and decisions made. The student should also have the ability to confront theory with economic reality by active participation in solving professional problems.

The Enterprise (company/institution) accepting a student for an internship appoints an in-house supervisor to whom the student-intern will report to.

The primary tasks of the student-intern should include:

1. Completing OHS training according to the regulations applying to the employees of the department at which the internship takes place, in order to achieve effect K1_U27, i.e. "Ability to apply occupational health and safety rules".

2. Becoming acquainted with the company's business profile and rules of work organization, organizational structures, division of competences, work planning and management procedures and document and information flow, in order to achieve effect K1_W04, i.e. "Basic knowledge on running an enterprise".

3. Becoming acquainted with the company's IT infrastructure, employment of internet technologies in the company's operation, and technical aspects of data security; effect – as above.

4. Active participation in solving practical problems, including the following activities (depending on the workplace characteristics):

    a) independently performing an engineering task adjusted to the intern's knowledge on the design, construction or repair of electronic, optical or optical electronic circuits and devices, and reporting the performance of this task – in order to expand the knowledge on circuit design obtained during the studies (effects: K1_W08, K1_W12, K1_W21), develop the skills of its practical implementation (effects: K1_U12, K1_U16, K1_U20, K1_U24) and take responsibility for proposed solutions (effects: K1_K02, K1_K03, K1_K04);

    b) independently performing a task consisting in the development or modification of computer programs, or joining a teamwork project in the design and implementation of IT systems – in order to expand the knowledge on the structure of computer programs and database systems (effects: K1_W09, K1_W13, K1_W23), develop the skills of development and testing IT applications (effects: K1_U13, K1_U18, K1_U22) and establish conscious responsibility for tasks performed (effects: K1_K02, K1_K03);

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[1] On the basis of the internship framework program, a program adapted to the specificity of the enterprise in which the internship is carried out should be developed. The changes mainly concern p. 4.

c) participation in managing a telecommunication or computer network operating at the place of the internship, particularly in starting up, configuration and testing of data transmission devices and network nodes, and measurement of network parameters – in order to consolidate broadly-defined knowledge of network operation, configuration and maintenance (effects: K1_W14, K1_W20, K1_W22), improve skills in network device configuration and signal measurement in networks (effects: K1_U19, K1_U23, K1_U25, K1_26), and establish conscious responsibility for tasks performed (effects: K1_K02);

d) participation in the introduction, configuration and supervision of procedures for data security and network protection from external threats – in order to expand the knowledge of data and network security (effects: K1_W22, K1_W23), improve skills in ensuring data security in a computer network and secure data transmission (effect K1_U25), and establish conscious responsibility for tasks performed (effects: K1_K02 K1_K03);

5. Preparation of the Report on internship completion (download the form from the faculty website).

Detailed information on the organization and crediting of internships at the Faculty of Electronics and Telecommunications as well as downloadable documents can be found on the faculty website in the section Student → Praktyki i Staże.

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