Automatic handler of the FHT 192-10 dosimetry detector with use of the FHT 6020 display and communication unit, RS-485 bus and the LabVIEW™ language

Subject 6

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Theoretical Part

- LabVIEW™ basics

- LabVIEW™ programming architectures

- RS-485 basics

- What is Virtual COM Port

- FHT 192-10 dosimetry probe and FHT 6020 display and communication unit

- Presentation of the measurement setup

- Learning existing LabVIEW™ program for dosimetry system

Practical Part

- Exercises in LabVIEW™ programming

- Design of the program block diagram

- Coding in LabVIEW

- Final tests of the developed program

- Documentation of the program

- Preparation of the final presentation

Skills Acquired During Internships

- Data Acquisition basics

- Serial buses basics

- LabVIEW™ basics

- Rules of technical documentation writing

- Rules for preparing presentations