

Modification of the existing LabVIEW™ code for Dosimetry System using the Finite State Machine architecture

Subject 5

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Theoretical Part

- LabVIEW™ basics
- LabVIEW™ programming architectures
- RS-485 basics
- What is Virtual COM Port
- EKO-C and EGM-104 dosimetry probes
- Presentation of the measurement setup
- Learning existing LabVIEW™ program for dosimetry system

Practical Part

- Exercises in LabVIEW™ programming
- Conversion of the existing code into Finite State Machine LabVIEW™ architecture
- 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