



AOV – AUTOMATION OF APPAREL PRODUCTION

CONTENT

Academic Year **2023/2024**

Full-time study

TOPICS OF LECTURES

1. Automation – basic terms and definitions;
automation, mechanization, automation goals, automation versus flexibility
2. Types of motion units (drives)
mechanical, electrical, pneumatic and hydraulic – comparison, basic characteristics
3. Electric drivers – types, characteristics
4. Pneumatic drivers – types, characteristics
5. Automation in textile material handling – types, hanger conveyors
6. Automation in sewing and ironing technology – automated elements in sewing and ironing process.
7. Application of robotics in garment manufacturing

SEMINARS

- Practice according to project assignments.
- The ABC of fluid mechanics.
- Design of base pneumatic system through the use of learning system FESTO.
- Presentation of seminar work.