

THE INSTITUTE OF BIOMEDICAL ENGINEERING
GUIDELINES FOR THE INTERNSHIP PROGRAM

- M.S. students are strongly advised to complete an internship and submit the report before registration for BM690 (Master's Thesis). The report should be submitted to the institute secretariat, as a prerequisite for graduation.
- The minimum duration of the internship is 20 working days and can be completed during the summer or in a semester break. The internship can be done in any facility related to **life sciences** and **healthcare**, such as hospitals, R&D facilities in industry, state organizations, NGOs, public and private healthcare services, etc.
- The student is solely responsible for the search and application for the internship. The nature and specific content of the work done during the internship is up to the host facility and the student. Boğaziçi University will provide a cover letter for the initial correspondence and personal accident insurance required by state regulations.
- The student will submit a **report** (written in English) following the completion of the internship. The report should be prepared according to the attached form and instructions. This form will not be presented to the host facility for approval; instead, the supervisor of the internship will write a confidential letter about the student's performance (see attached letter template) at work.
- The student will present highlights from the internship report (10-min. slide presentation) to the faculty and the students, during the Graduate Seminar class.

THE INSTITUTE OF BIOMEDICAL ENGINEERING
INTERNSHIP REPORT

Instructions for students: Based on your work and observations during the internship, please provide at least three specific problems which may be related to the **(a) design and use of medical devices, (b) manufacturing processes, (c) maintenance of biomedical equipment, (d) improvement of healthcare services, (e) project management, etc.** Try to include suggestions for improving the current situation and solving the problem.

Important note: This report should **NOT** be given to the host facility and is a property of Institute of Biomedical Engineering.

Format: The report should be typed in single-spaced Times New Roman (12 points) characters; with page numbers (max. 10 pages excluding the cover page). For each problem, it should contain the following sections: a short **TITLE**, statement of the problem and the current situation (**PROBLEM**), relevant background information (**BACKGROUND**), suggestions for improvement (**SUGGESTIONS**), and the expected impact (**IMPACT**). Add references if necessary.

NAME OF STUDENT:

PHONE:

E-MAIL:

SIGNATURE:

DATE:

NAME OF HOST FACILITY AND DEPARTMENT:

ADDRESS:

DURATION OF INTERNSHIP:

PHONE:

CONTACT E-MAIL:

Example

I. TITLE: Improvement of ECG electrodes

a) Problem:

(Describe what you observed and used in the host facility. Mention its problems about movement artifacts.)

b) Background:

(Tell about the basics of ECG recording and electrode types.)

c) Suggestions:

(Tell what you can suggest for reducing artifacts, and be specific. For example, particular chemical formula for the gel may work better due to following reasons...)

d) Impact:

(If your idea is put to use, what sort of scientific, clinical, economic, social benefits would you expect?)

e) References:

(List references which will be helpful to understand your problem statement and improvement.)