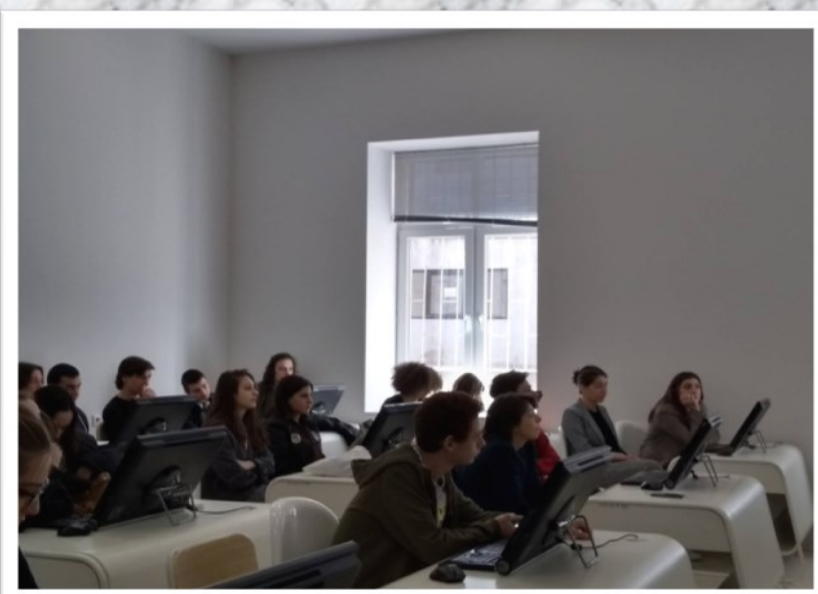


Practical study to promote teaching of the natural sciences

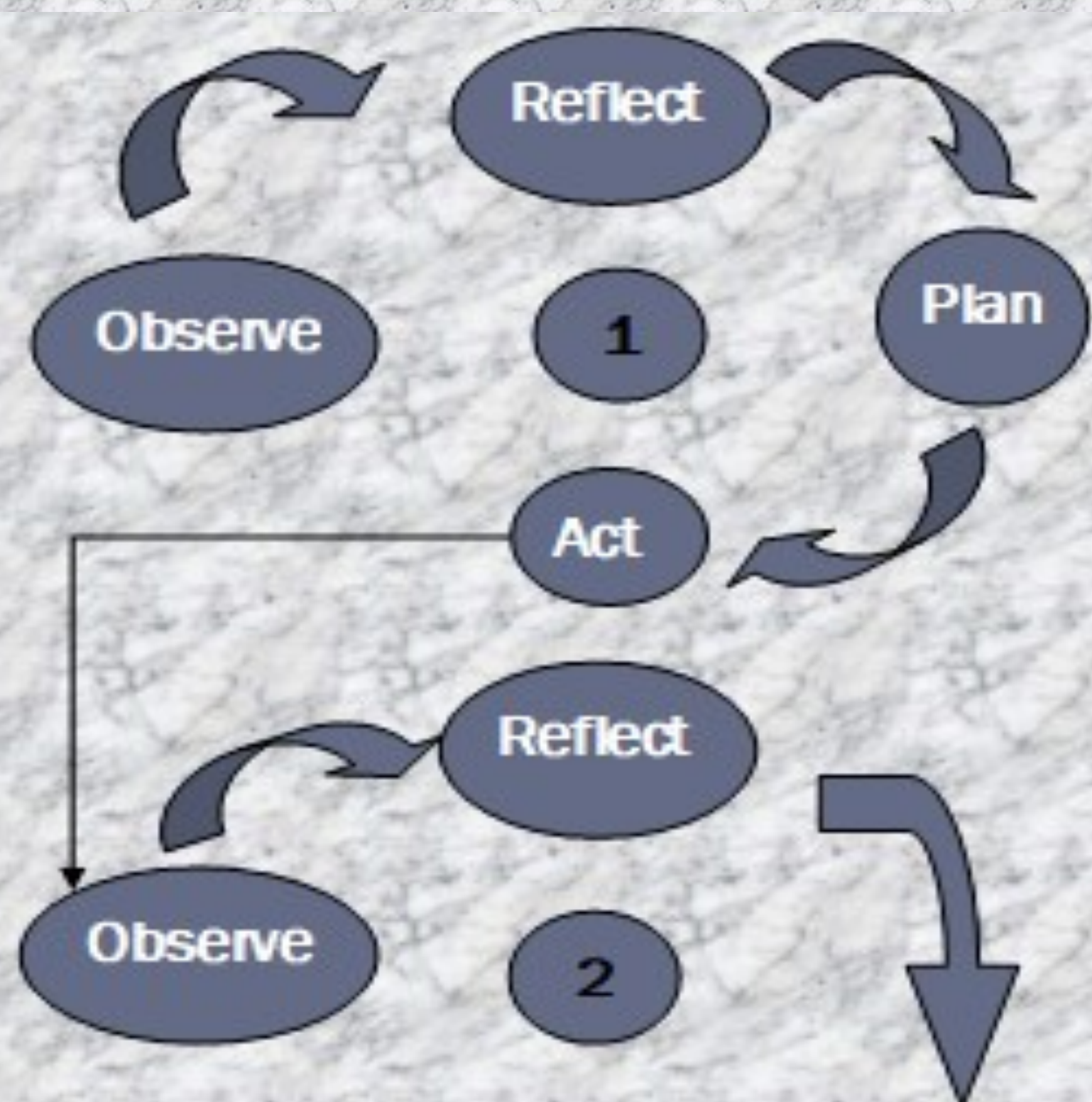
Project goal

1. Popularization of physics among the students;
2. Increase of interest and motivation to physics;

3. Evaluation of the role of physics in the future profession;
4. Development of knowledge and skills required for employment by the successful enterprise at school.



- **Observation** — research instruments: questionnaire, significance of physics in everyday life and entrepreneurial activities, observation diary, SWOT analysis, group interview.
- **Reflection** — in the project beginning – **Cycle 1** - necessity of knowledge of physics in everyday life and entrepreneurial activities:..
- Is seen by 19% of students, is not seen by 57% of students, 24% of the students cannot formulate their opinion.



Planning — visit to Georgian Technical University:

- Lectures about the role of physics in development of the advanced technologies;
- Getting familiar with the laboratories equipped with the high technologies;
- Visit to Georgian electric-engineering enterprise “Insta”;
- **Action** — implementation of the planned activities:
- Visit to Georgian Technical University;
- Visit to Georgian electric-engineering enterprise “Insta”;
- **Observation** — research instruments: questionnaire, observation diary.

Ilia State University

School name: Tbilisi Classical Gymnasium

Teacher's name, surname: Lali Nardiradze

Subject: Physics

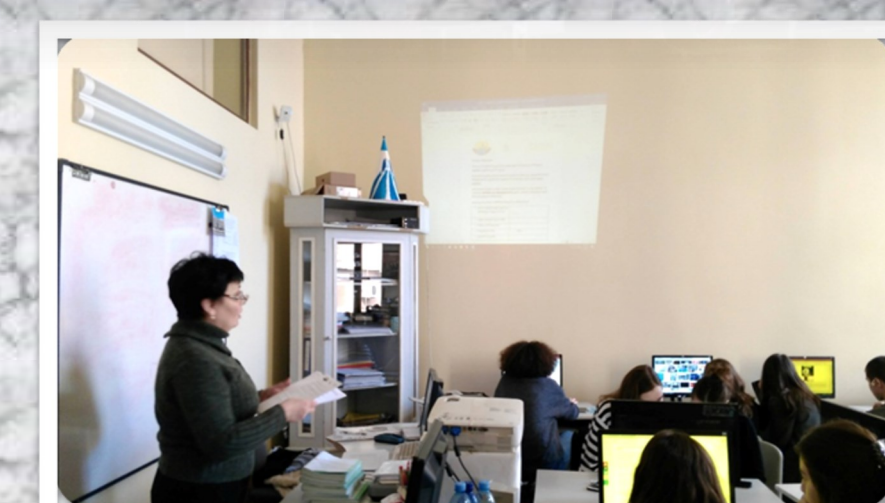
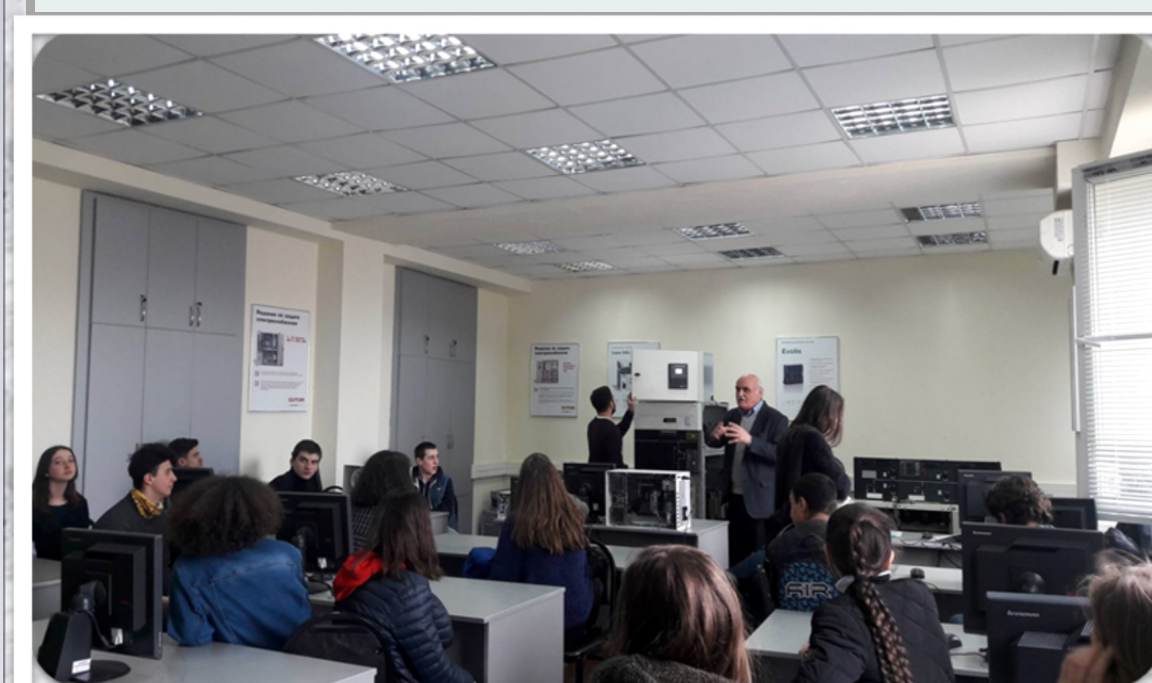
Project participant form:

2017 - 18 acad. year - 10th form

2018 -19 acad. year - 11th form

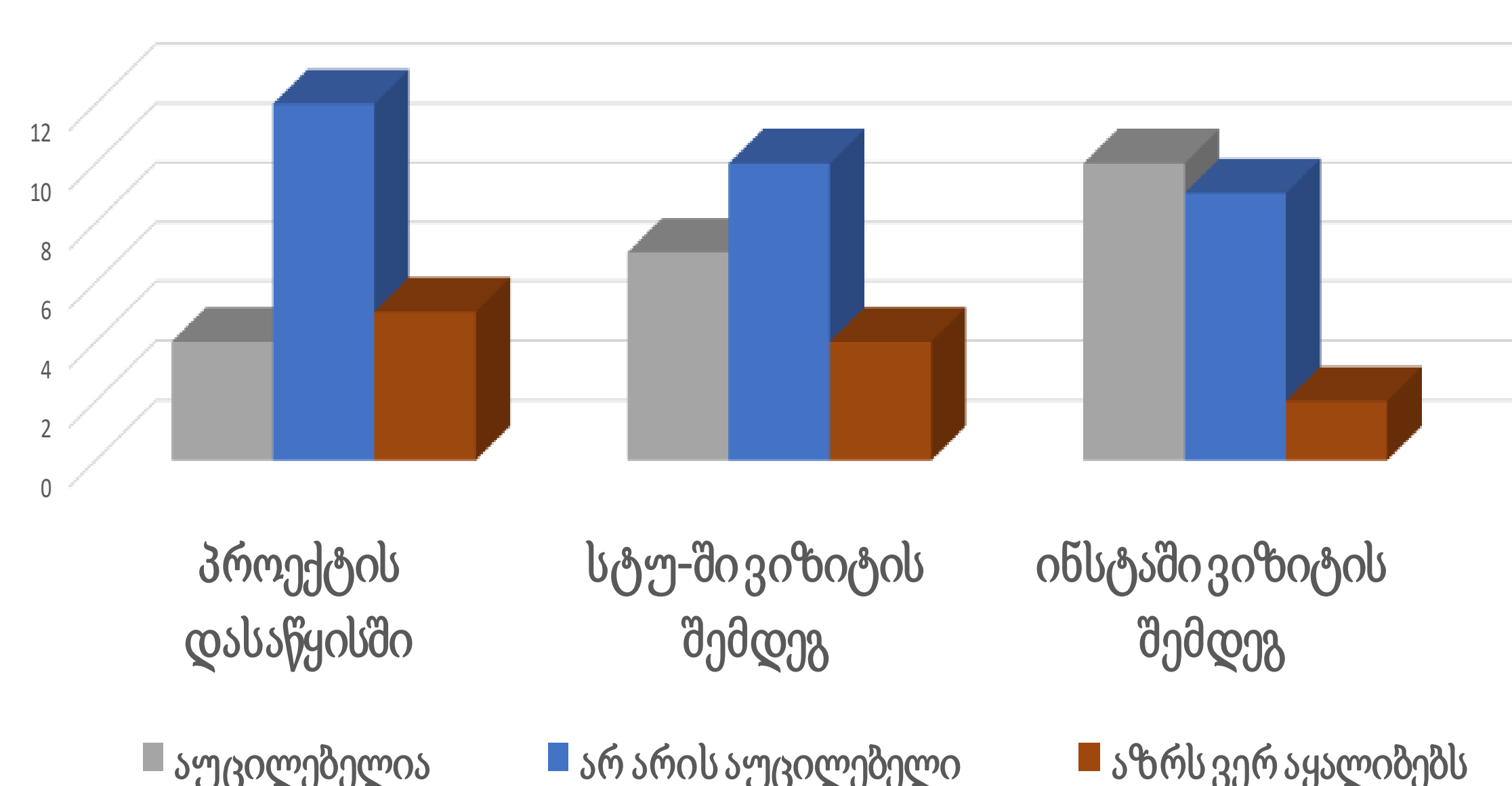
Partner enterprise:

1. Georgian Electric Engineering Company — Insta;
2. Academician F. Todua Medical Center



- **Reflection**— cycle 2 - necessity of knowledge of physics in everyday life and entrepreneurial activities
- After visit to GTU: is seen by 33% of students, is not seen by 48% of students, 19% of them cannot formulate their opinion..
- After visit to “Insta”: 48% - sees, 43% - does not see, 9% - cannot formulate their opinion.

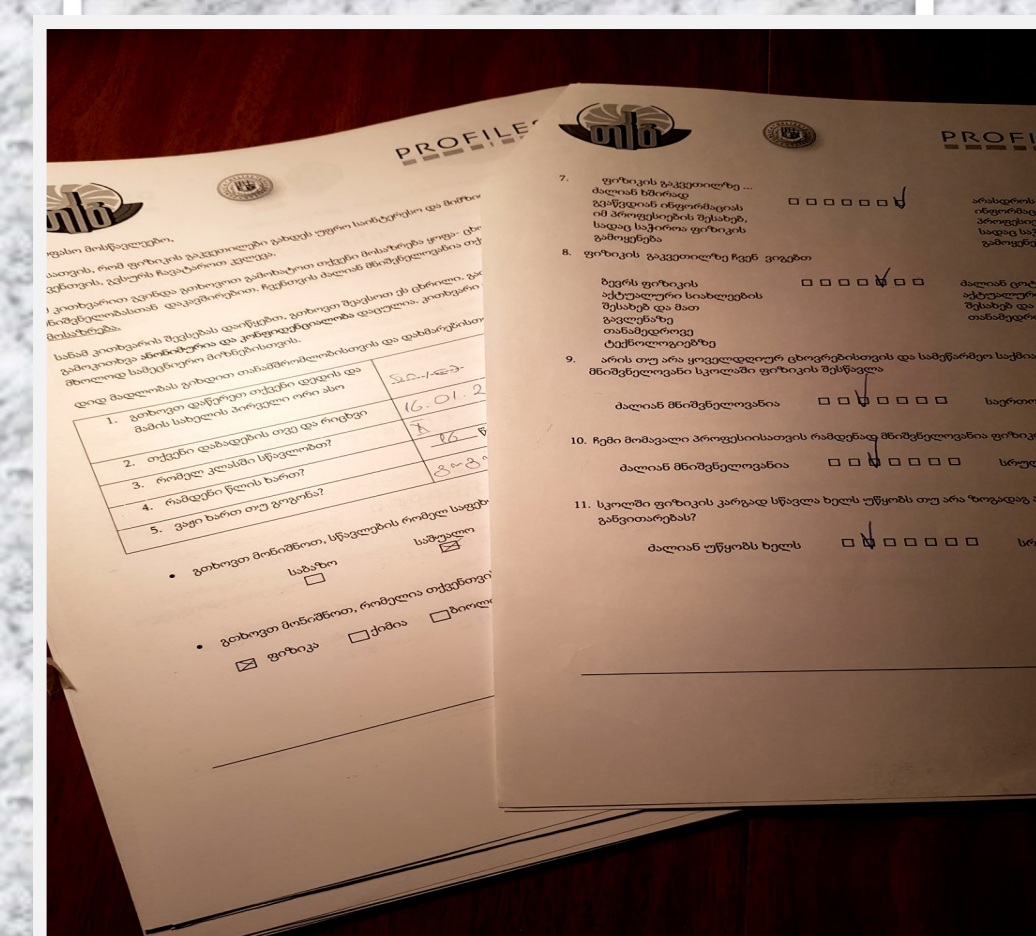
ყოველდღიური ცხოვრებასა და სამეწარმეო საქმიანობაში
აუცილებელია თუ არა ფიზიკის ცოდნა



From the next year

The following will be planned:

Frequent communication on the basis of preliminary agreement with the enterprise, the students' involvement in the company's activities and practical research.



Project goal

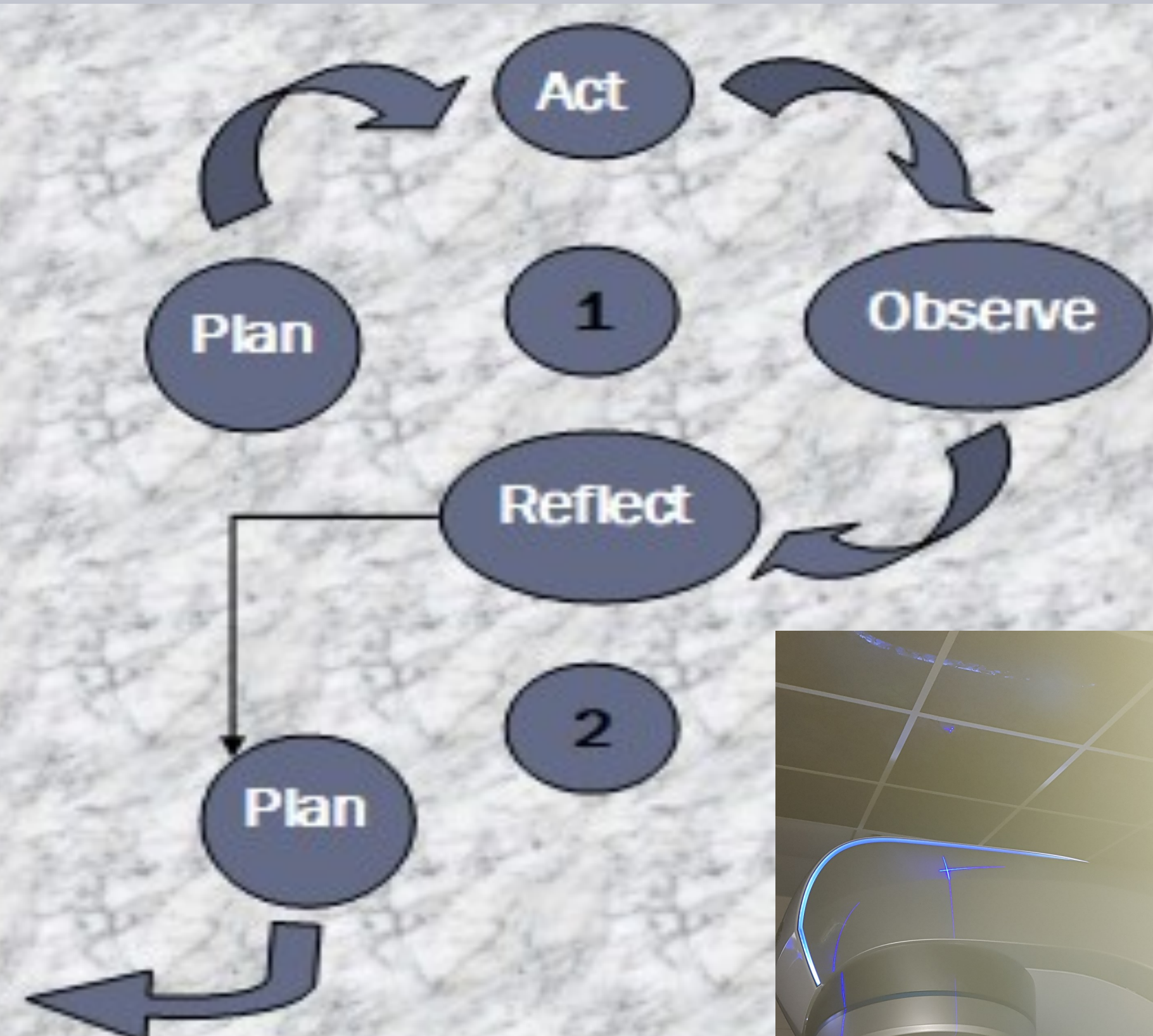
1. Popularization of physics among the students;
2. Increase of interest and motivation towards physics;

3. Evaluation of the role of physics in future profession;
4. Development of the knowledge and skills required for employment by the successful enterprise at school.

- **Planning** - cycle 1 - preparing of the documents on radiotherapy, preparing and making of the presentations;
- Visit to Academician f. Todua Medical Center;
- **Action** — implementation of the planned activities:
- Preparing and making presentations on the radiotherapy issues;
- Visit to Academician f. Todua Medical Center.

Planning—cycle 2 - planning of different activities with the teacher of biology—and their implementation on the issue of radiotherapy;

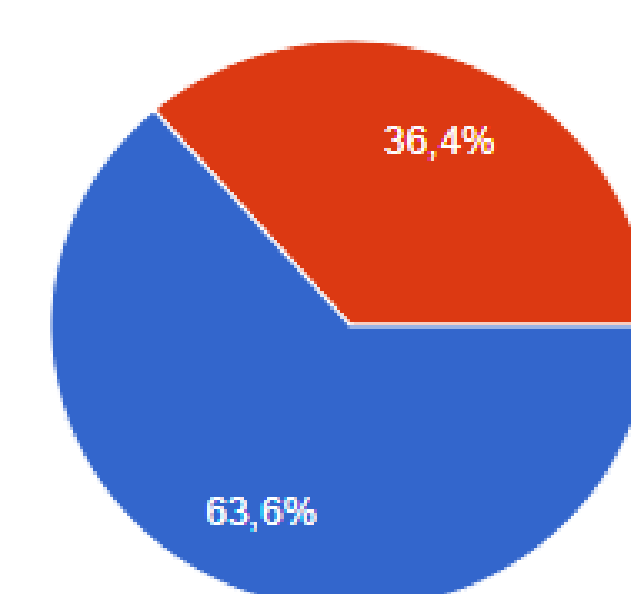
- From the next year, frequent communication with the clinic and students' involvement in the company's activities on the basis of preliminary agreement.
- Research of practices.



- **Observation** — research instruments: questionnaire with the observation diary.
- **Reflection** — in everyday life and entrepreneurial activities knowledge of physics is of great importance — 63,6%, of average importance — 36,4%, is of no importance - 0%.

8. არის თუ არა ყოველდღიურ ცხოვრებისთვის და სამეწარმეო საქმიანობისთვის მნიშვნელოვანი სკოლაში ფიზიკის შესწავლა

22 ОТВЕТА



- ძალიან მნიშვნელოვანია
- საშუალოდ მნიშვნელოვანია
- საერთოდ არ არის მნიშვნელოვანი

