Principles of project implementation

1. Project groups and their supervisors

PBL projects implemented as part of the competitions announced under the Excellence Initiative - Research University program are interdisciplinary.
The project group is supervised by two or three tutors with complementary competencies to substantively fill the subject of the project. One of the tutors is the primary tutor and the rest are the so-called auxiliary tutors. Their tasks and the principles of awarding projects are regulated by ordinance No. 55/2020.

Each project group should include students representing at least two fields of study, diploma paths or specializations. This is to ensure the interdisciplinarity and breadth of the project, which are the basic assumptions of the PBL method.
Additionally, the project may involve students of the General Secondary Schools run by the Silesian University of Technology as the governing body, as well as students of schools that have concluded a cooperation agreement with the Silesian University of Technology.

Projects involving foreign universities will be particularly promoted, implemented based on an agreement concluded no later than one month after the start of the project by students from the Silesian University of Technology, the template of which is presented in the appendix. Students currently studying at foreign universities (does not apply to exchange students staying at the Silesian University of Technology or another university in Poland) than belong to the project group and participate in the implementation of the project by performing some of the tasks provided for therein or implementing a complementary project on an agreed subject, exchanging on ongoing basis information and results with students implementing the project at the Silesian University of Technology. Supervisors of such projects may receive additional support based on ordinance No. 25/2021, which specifies the amount provided for the project.

During the project implementation, students will be able to use the help of consultants invited by their tutors.

2. Project implementation

The project is implemented following the principles of project management and includes, among others:

- literature studies;
- selection of methodology and research tools;
- construction / expansion / use of a test stand;
- carrying out the necessary research and experiments;
- data processing and analysis;
- ongoing verification of the adopted method of solving the problem, drawing conclusions, correcting the direction of work;
- preparation and presentation of partial results;
- communicative transfer of acquired knowledge and skills to other members of the project group;
- preparation and defence of a final report or publication.

An important part of the work within the project group are seminar meetings, held at least once a week at strictly defined hours. These meetings are attended by all students from a given group, group tutors and, when it is justified and organizationally possible, invited consultants. Seminar meetings are held in the form of an open discussion on issues related to the implemented project. The tasks of individual students include the presentation of partial results clearly and understandably and convincing for other students, tutors and consultants, as well as an indication of current problems. The task of tutors and consultants is to properly transfer knowledge to students so that they can continue the project on its basis.

The possibility of inviting consultants gives special opportunities. Consultants may be University employees, PhD students, university students, working in student research clubs and representatives of the socio-economic environment with relevant competencies important for the implementation of the project. Within each project group, it is possible to invite many consultants. Consultants are not paid.

3. Principles of crediting learning outcomes

If the implementation of the project involves the achievement of learning outcomes included in the study programs of students implementing the project, the following procedure should be applied:

- Before starting the project, the main tutor determines the learning outcomes be achieved by individual students implementing the project and by analyzing the matrix of coverage of learning outcomes with classes and the student's schedule in the semester in which the project is implemented, as well as in the following semesters, proposes classes that based on these effects, they may be credited in full or in part. He consults his proposal with the coordinators of these classes. The arrangements made, including the signatures of the main tutor and coordinators of individual classes, are passed on to the Vice-Dean / Deputy Director of Education and the students implementing the project.

- After completing the project and defending the final report and assessing the involvement of individual students in the project, the main tutor presents the Vice-Dean / Deputy Director for Education on behalf of the project tutors with collective information about all students implementing the project, assigning to reach a final or partial grade from the previously established classes.

- The Vice-Dean / Deputy Director of Education approves the information and passes it to the coordinators of individual classes to be taken into account when issuing the final grade in the semester.

- In particularly justified cases, the grade for classes may be given by the Vice-Dean / Deputy Education Director.

4. Additional information

PBL classes included in the study program may take place during the entire semester. In the case of these projects, it is allowed to select a project group from among students studying within one major, diploma path or specialization..

Projects implemented under the POWER 3.5 program are subject to the rules announced in the relevant competitions.

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