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| Discipline „software projects management”, code: 35 |
| Annotation: The aim of the course is to acquaint students with the main stages of project development and management. It presents the logical stages of the design process, teamwork, resource management, cost optimization, and more. Fundamental attention is given to the techniques, tools and methods of identifying, developing, presenting, implementing, managing and evaluating projects.The possibilities of separating the software system of subsystems and modules and the management of the dependencies between them are considered; simplify application logic; creating a precise and compact programming code, and various strategies to reorganize the program code.The discipline provides and develops knowledge for project creation and management, including: choosing an optimal organizational structure, building a project model and calculating the parameters of the network scheduling, defining the critical path and the time / resource reserves, value and duration of the project, team project development, creation of optimal programming code. |
| Main issues of the syllabus content:* Fundamentals of project management. Project Management Framework
* Analysis and optimization of the project plan
* Nature and specificity of the projects in the field of information technology
* Types of software development process models. Iterative models
* Planning a software project. Means for planning a software project
* Monitoring and quality control of project implementation
* Measurement, tracking and control of software production
* Manage and control workflow in software project development
* Risk management of the project
* Teamwork, leadership and communications in software project management
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