

Software Department

From Electronic Encyclopedia of Lviv Polytechnic

Software Department - a teaching and research unit of the Institute of Computer Science and Information Technologies of Lviv Polytechnic, which was established in 1990.

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Software Department

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| unit Type | chair |
| Abbreviation | Software |
| Date of foundation | 1990 |
| Founders | National University "Lviv Polytechnic" |
| Membership | Institute of Computer Science and Information Technology |
| Head of Department | Ph.D., Assoc. Yakovyna Vitaly S. |
| Location (address) | st. Bandera 28-a, 79013, Lvov; 5 building, room. 811 |
| On page lp.edu.ua | http://lp.edu.ua/pz |
| Own site | http://pz.lp.edu.ua/ |

general information

The department provides training:

- OCD "bachelor" in the direction
 - 6.050103 "Software Engineering"
- EQL "specialist" in the field:
 - 7.05010301 "Software systems"
 - 7.05010302 "Software Engineering".
- EQL "master" in the field:
 - 8.05010301 "Software systems"
 - 8.05010302 "Software Engineering".

Software Engineering - a new perspective to Ukraine and the direction of specialists in "Informatics and Computer Science", whose appearance caused by the need for modern software industry, which is associated with all aspects of software production stages from initial specification to create a support system after delivery into operation.

Direction "Software Engineering" - covering both issues identification and analysis of requirements for software systems, design software systems, user interfaces, databases, verification and software testing, operation and maintenance of software systems and management software projects, communication in groups of developers, quality assurance software.

Students direct "Software Engineering" - studied thoroughly and deeply, not only programming and tools, application development (C / C ++, Java, C #, F #, .NET, SQL, HTML, PHP, Javascript, Prolog, LISP), a professional master all aspects of new technologies and engineering industry software products.

Graduates field of "Software Engineering" - are qualified "specialist in the development and testing of software" and can work in the following positions: programmer, tester software architect software systems analyst, project manager software engineer quality software products.

History Department

The department organized group of teachers from the department "Applied Mathematics" and the third was located in the school building. The hardest problem - a selection of teachers for the learning process. The requirements were very high: Own experience developing complex software, good mathematical training especially in the area of discrete mathematics and optimization techniques. He became useful experience gained prof. Bazylevych R.P . In 1970-1990 gg. when creating a team that developed software for computer-aided design commissioned by leading companies Kyiv, Lviv, Moscow, Leningrad, Minsk. Important was also the experience gained at the opening in 1984 of specialization "Mathematical and software of CAD systems" within the specialty "Applied mathematics". They introduced a number of new disciplines, including software, on which were later used for a new profession.

Head of Department of Software

Teaching staff

Teaching at the department provide 7 doctors and 20 candidates. Most teachers combine teaching with work in leading IT companies: Comarch, Edvantis, Eleks, Lohika, Adva-Soft, SoftServe. Due to this students have the opportunity to undergo training and technology, undergraduate, research practices in these companies acquiring practical abilities, skills and professional experience.

Educational activities

The department trains specialists in three educational levels: bachelors and masters.

Graduates can work in research, scientific production, design, production, sales, consulting, commercial banking institutions of various forms of ownership, insurance companies, stock exchanges, international firms and offices, organizations that are engaged in administrative, social, economic and political activities in the fields of culture, environment, medicine, etc., that is, where necessary automation of information processes based on computer information systems and technologies and.

Qualifications Bachelor obtained after 4 years of training.

Specialist qualification (engineer) is bachelor year and a half after training, have successfully mastered professionally oriented courses that reflect modern scientific and technological progress.

Master's degree (first academic degree) is a bachelor year and a half after training. For studying in magistrates recommended for students who have a tendency to scientific work and in-depth theoretical training.

Research Department

Research work of the department carried out since the beginning of the direction of "Mathematical and software systems." These included the following studies: mathematical and software for solving combinatorial problems large and extra large dimensions; systems analysis in biosocial systems; algorithms for fuzzy clustering optimization problem modeling and design; man-machine interfaces image processing, mathematical and software for modeling heating problems in the design of integrated circuits.

Mathematical modeling RL (RL-84)

IT Department partners

With the support of IT partners, students of the department of software are able to undergo training and technology, undergraduate, research practice, with possible further employment after graduation.



Contacts

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Deputy head of the department of educational work, PhD. Levus Eugene V.

Deputy Head of the Department of Science: prof. Hrytsiuk Yuri I.

Deputy Head of the Department of methodical work: PhD. Korotyeyeva Tatiana

Deputy head of the department of organizational work: PhD. Seniv Max M.

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The categories : National University "Lviv Polytechnic"

| Institute of Computer Science and Information Technology

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