



ABOUT OF OUR DEPARTMENT

The department started education in the 2011-2012 academic year. The department serves on education with 5 lecturers and 3 research assistants, and 10 faculty members from other departments.

Our students mostly have fundamental courses such as Mathematics, Physics, Chemistry, Computer Programming, Technical Drawing for engineering basics, while vocational courses are given predominantly in later grades. In our current education plan, there are 240 ECTS, 137 credits and 25% departmental elective and social elective courses are offered at the opening of professional specialization.

The students could take double major and minor courses in our faculty departments and also participate in student exchange programs at many European universities under Erasmus.

WHAT DOES AN INDUSTRIAL ENGINEER DO?

Industrial Engineers are engineers working in the fields of system and process design, planning, control, problem-solving and decision making related to the effective, economical and efficient use of resources such as human, material, and machine for business purposes, applying industrial engineering techniques.

PURPOSE OF THE INDUSTRIAL ENGINEERING PROGRAM

Main purpose of Industrial Engineering of İstanbul Gelişim University is to provide graduates with the knowledge and skills that they have gained throughout their undergraduate education and training in hardware and software that will enable them to improve, design and manage business systems and processes in an environmentally compatible manner in terms of effectiveness, productivity, profitability, flexibility, sensitivity, sustainability and high quality principles; and to educate graduates modern and qualified industrial engineers who have the qualifications, social responsibility and professional ethics. Our graduates who are raised in the framework of the main objective;

- They can provide researcher, creative, innovative, productivity-

enhancing, scientific solutions individually and in team work to business and management problems with basic engineering formation and possessing contemporary professional equipment.

- They can follow developments in current technology and Industrial Engineering by adopting the principle of life-long learning; They can continue their professional and personal development by carrying out postgraduate studies, take part in scientific researches and projects when necessary.
- National and international enterprises and organizations can accept themselves with success in each management stage over time, they can take place as effective and directive in the practice of their profession and they can manage;
- They exhibit an exemplary personality that is open to the world, questionable, entrepreneurial, confident, principled, prone to teamwork, sensitive to environment and collecting, respectful to professional ethical values.

JOB OPPORTUNITIES

Industrial Engineering Department graduates are employed in all domestic and foreign companies for producing goods and services in the public and private sectors; finance, banking, insurance, retail, health, tourism, education, and consultancy businesses. Production planning, manufacturing, logistics, materials and warehouse management, quality control, marketing and sales, purchasing, human resources, product and process design, financial planning, research and development, project management, design, business security, innovation, and knowledge management areas or related with these fields departments are their working areas.

SOME ACADEMIC AND SOCIAL ACTIVITIES THAT HAVE BEEN PERFORMED IN THE LAST 2 YEARS AT THE DEPARTMENT

- ✚ 2016-2017 Educational Year Industrial Engineering Meeting Dinner
- ✚ 2017-2018 Training Year Industrial Engineering Meeting Tea
- ✚ Industrial Engineers Symposium for Production and Development (URGEM16)
- ✚ Conference and Interview with the Industrial Engineering Commission of Chamber of Mechanical Engineers
- ✚ Symposium for Sectors' Days
- ✚ Advanced Excel Training with MMO
- ✚ Technical Visits:
 - ❖ Burak Aluminium
 - ❖ Sudecan Company
 - ❖ Sinbo Company
 - ❖ Yılmaz Gear Company (2016 and 2017)
- ✚ Leadership and Entrepreneurship Summit
- ✚ Lean 6 Sigma Conference with Borusan
- ✚ Industry 4.0 Conference with Festo
- ✚ Image Management Conference for Business Life
- ✚ IGU Summer Youth Academy-Ergonomics Course Competition





LABORATORIES

There are two dedicated laboratories for the Industrial Engineering Dept.

Human Engineering (Work Study and Ergonomics) Laboratory

Our laboratories are fully equipped laboratories where the most advanced equipment and materials related to Business Studies and ergonomics courses are carried out and their applications are carried out in a privileged position among all our universities with their equipment and device capacity. Ergonomics (human factors engineering), tools, technical systems and works; It deals with the development of new business methods, the enhancement of work quality, the measurement of business hours and the determination of standard times in order to transform all the interactions between people, machinery and materials into productivity, in order to improve human health, safety, comfort and performance.

Our Human Engineering laboratory contributes to the education and research activities of the students in our workshops, enabling future researchers, managers and engineers to grow.



Buse Yüksel
2016-2017 Academic Year Ind. Eng. Club Chair and Department Student



Industrial Engineering is concerned with the design and control of complex systems that have penetrated every aspect of life in today's world through scientific methods. While I was studying at İstanbul Gelişim University, I provided great support for the process of infrastructure preparation required by business life by providing research, self motivation, entrepreneurship and the support needed for acquiring different abilities. At the same time, thanks to the academic staff of Industrial Engineering, all problems were approached with a focus on solutions.



Yontek (Management Techniques and ERP) Laboratory

Computer, Technical Drawing, Physics Laboratories Commonly Used for all departments areas of focus for Industrial Engineering include the identification, examination and resolution of engineering problems in management and operations. This laboratory has been established to support training and research activities aimed at designing, evaluating, analyzing, transferring or improving appropriate methods and tools to be used in the management of management systems and to use them effectively. The laboratory consists of the scientific research activities and the courses such as Enterprise Resource Planning (ERP) which is given in the department, the courses such as Business Intelligence Research, Production Planning and Control, Simulation, Facility Planning, Project Management, Computer Programming, Computer Aided Single Image, Probability and Statistics software and hardware support for their applications.

Hakan Ayhan Dağıstanlı
2015-2016 Academic Year Eng. and Arch. Facultys' First, University Third, Industrial Engineering 2016 Graduate



The IGU Department of Industrial Engineering is distinguished by its expert staff, both in the field and in the field of private sector experience. With the support given to the student club activities, the student is able to see the factory environment with technical visits and these visits establish a bridge between student life and student with his/her developing career.

In our part, our efforts on the projects and sectorial studies are converted academic outputs by our academic staff collaborations and students gain experience in the world of academic careers during their studies. I and my colleagues also can evaluate their options and set a career plan for themselves. Many graduated friends already in good workplaces. As a graduate who has joined the student club activities and has been a club administrator has gained experience. I would like to thank once again to the department academicians who are approaching us with a friend and to the school administration for the opportunities offered by the graduate university site.

Nisanur Derinoğlu
Industrial Engineering Club Chair and Department Student



The friendship, I have gained in the social sense, especially the productivity of the education I have received from IGU Industrial Engineering, the cultural diversity and different perspectives provided by education and life are reflected in every area of my life. Apart from education, club activities, technical tours, conferences and vocational training courses, they provide a great contribution to our self-improvement. I think I will be an industrial engineer with this support in the sector..



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INDUSTRIAL ENGINEERING DEPARTMENT
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