STUDY PROGRAM

INDUSTRIAL ENGINEERING



COURSE OUTLINE

Industrial Engineering is an interdisciplinary engineering science with respect to manufacturing/production engineering, management, information engineering and technology, and human factors. Industrial Engineerings determine the effective method to use industrial resources such as machines, energy, information, organization, and human, to make right products and/or services at a right time and right quality with right cost.

Student of this degree program will receive the necessary competences for the development of industrial systems related with products and services process businesses, industrial engineering management and accounting, information technology knowledge, human related factors within a holistic industrial system. They learn starting from abtract idea of products or services, setting up design and production facilities, quality engineering, uptill the products being rolled out and absorb by the market. They establish as a system wide thinking within production process business.

FIELDS OF ACTIVITIES

Industrial engineers determine the most effective ways to use the basic factors of production—people, machines, materials, information, and energy – to make a product or provide a service. They are concerned primarily with increasing productivity through the management of people, methods of business organization, and technology.

Area of Works:

- · Manufacturing/Production System Design, Analysis, and Development
- · Human Factor in Engineering
- · Integration of Manufacturing/Production System through Infromation Technology
- · Industrial Product Design and Development
- · Industrial Economic and Management
- Performance Measurement, Analysis and Synthesis of Industrial Systems
- · Energy Conservation of Factory Environment
- Industrial System Maintenance and Management
- Industrial System Engineering



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CURRICULUM 2017-2018

Date/ Rev : 08 AUGUST 2017/ Rev. 08

Program : Bachelor Valid : Batch 2017-2018

STUDY PROGRAM: INDUSTRIAL ENGINEERING

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Subject to change

The actual implementation follows the internal arrangements & policy of the Department & Faculty





